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SUMMARIZED DATA OF BEACH PROFILES AND WAVE OBSERVATIONS AT AJIGAURA BEACH (2)

September, 1990

Coastal Engineering Division,
River Department
Public Works Research Institute
Ministry of Construction
1, Asahi, Tsukuba-shi, Ibaraki-ken, 305 Japan

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SUMMARIZED DATA OF BEACH PROFILES AND WAVE OBSERVATIONS AT AJIGAURA BEACH (2)

by

Takaaki Uda*
Hiroyuki Ito
Tomonobu Saito

* Dr. Eng., Head, Coastal Engineering Division,
Public Works Research Institute

Synopsis:

Field observations on littoral drift have been conducted once a week since June 26, 1975 at Ajigaura Beach in Ibaraki Prefecture by using an observation pier. This is a second report of these field observations between 1985 and 1989. The first report (Tech. Memo, No.2294) was published in 1986, including the field data obtained until the end of 1984. The kinds of field data included in the present report are ① results of the bottom soundings along the pier and in the traverse direction to the pier, ② wave directions observed from on top of the sand dune, ③ wave characteristics, and ④ longshore current velocity. Raw data of the various observations are summarized in tables so as to be useful for further studies, and beach profiles along the pier are drawn in figures.

Key Words: FIELD OBSERVATION, LITTORAL DRIFT, AJIGAURA BEACH, DATA SUMMARY

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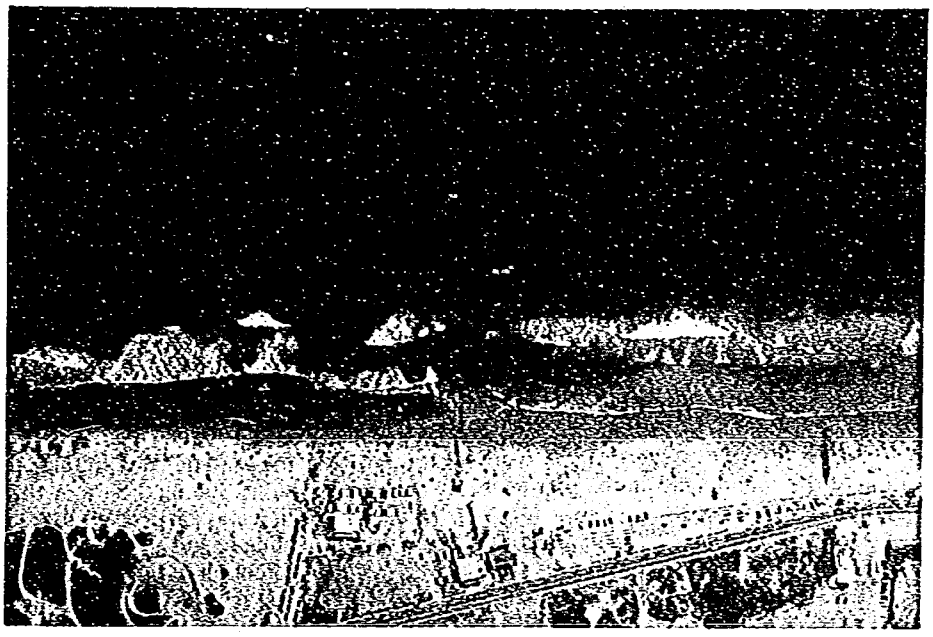


Photo. 1 Aerial picture of Ajigaura Beach. The Ajigaura Pier lies toward the east.

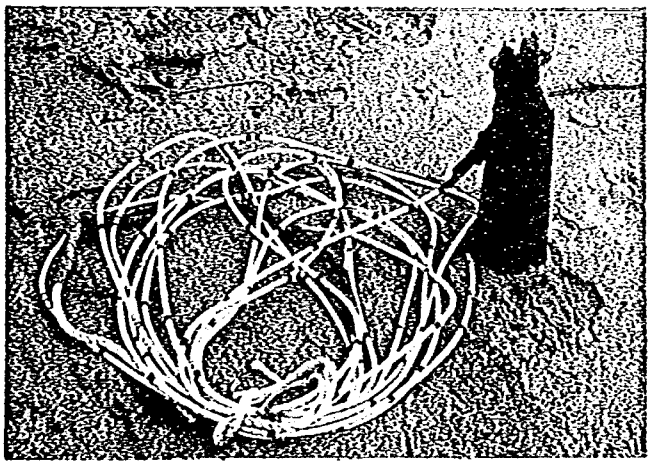


Photo. 2 Tool used in the sounding from the pier. The lead weighs about 5 kg.



Photo. 3 A situation of the sounding from the pier. The picture was taken as looking shoreward from the point of the pier. The sounding was carried out by a party of 2 persons. One of them conducts sounding and the other makes a note.



Photo. 4 A situation of the sounding from the pier in the surf zone.

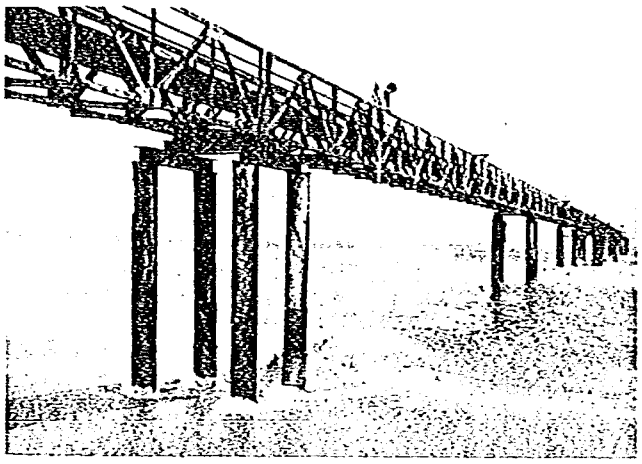


Photo. 5 A situation of the sounding from the pier near the shoreline.



Photo. 8 Observation of wave direction from on top of the sand dune of around 30 meters high behind some 300 meters from the pier. The observation was carried out by using a plane table, an alidade and a compass. The position where the direction of the wave crest line is read is about 100 meters offshore from the tip of the pier.

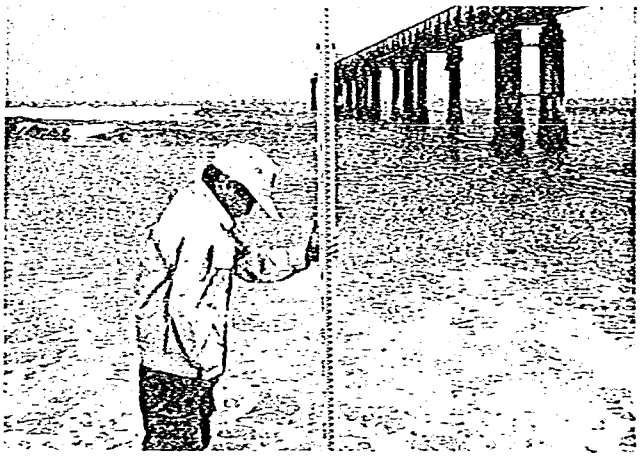


Photo. 6 Beach survey in the traverse direction to the pier. The survey was carried out by using a staff and a level.



Photo. 9 Dredger to sample the bed material.

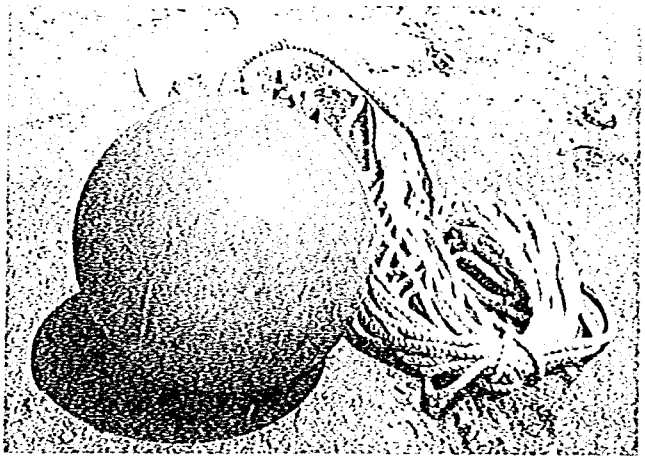


Photo. 7 Tool of the measurement of longshore current velocity. The diameter of the float is about 24 cm.

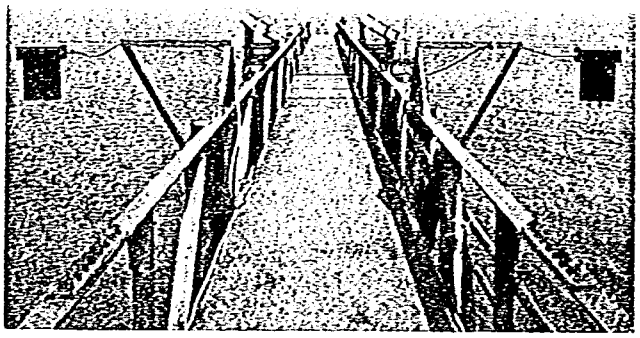


Photo. 10 Two ultrasonic wave gauges attached to the pier. The height of the attachment is 6 m above the mean sea water level. The distance between the wave gauges is 4.5 m apart.

Summary

Field observations on littoral drift have been conducted once a week since June 26, 1975 at Ajigaura Beach in Ibaraki Prefecture by using an observation pier. This is a second report of these field observations. The kinds of field data included in this report are (1) results of the bottom soundings along the pier and in the traverse direction to the pier, (2) wave directions observed from on top of the sand dune, (3) data of wave observations, and (4) longshore current velocity measured from the pier. Raw data of the various observations are summarized in tables so as to be useful for further studies. Beach profiles along the pier are drawn in figures. Regarding the wave directions, the shoreline position at the location of the pier and the longshore current velocity, temporal changes in those variables are drawn in the figures in order to realize the long-term changes.

1. OBJECTIVE OF FIELD OBSERVATION

In recent years beach erosion is severe along Japanese coasts. In order to solve such problems it is important to understand the fundamental mechanism of littoral transport. Regarding the phenomena of littoral drift comprehensive studies are needed, because wave, current and beach changes interact each other. The similarity law has not been established on the mechanism of littoral drift, and therefore the experimental study using a wave tank is rather restricted to elucidate the actual phenomena on the coasts, and it is important to observe the actual phenomena on the field. Public Works Research Institute has a field test facility at Ajigaura Beach in Ibaraki Prefecture and the field observations have been carried out in order to study the long-term change in wave, current and beach topography.

2. METHOD OF FIELD OBSERVATION

Field observations were conducted at Ajigaura Beach in Ibaraki Prefecture as shown in Figure 1. The coast faces the Pacific Ocean and is located at the south end of the sandy beach of about 10km long. A 200-meter-long observation pier was built by Public Works Research Institute on the coast in order to study on littoral transport. Various field surveys on beach changes, wave directions, longshore current velocities have been carried out once a week since June 26, 1975 to the present. Photo. 1 shows an aerial view of Ajigaura Beach, which was taken on August 6, 1984. Figure 2 shows the location of the pier and the survey lines. Contents of the observations having been conducted once a week are as follows:

(1) Sounding from the pier

Elevations of bottom topography were measured manually at 65 stations of 3 meter intervals along the pier by using a measure with a weight as shown in Photo. 2. Locations of station No. 16 through No. 80 are shown in Figure 2. Initially a 100-meter-long pier was built in July, 1972. Then it had been extended about 100-meters-long in the offshore direction until January, 1976.

Situations of the observations are shown in Photo. 3 through Photo. 5. First, Photo. 3 was taken as looking shoreward from the point of the pier. The sounding was carried out by a party of two persons. One of them conducts sounding and the other makes a note. Photos. 4 and 5 are the situations of the sounding from the pier in the surf zone and near the shoreline, respectively. These pictures were taken on July 26, 1990.

(2) Beach survey along the pier axis

Elevations were measured at 16 stations of 3 meter intervals along the pier axis by the usual survey method. Location of station No. 16 is shown in Figure 2. Both data obtained by the sounding from the pier and beach survey are compared each time at station No. 16, where the survey from the pier and that on the ground overlap, and the accuracy of the surveys was checked so as not to cause the difference of the elevation between them at the same point.

(3) Beach survey in the traverse direction to the pier

It is difficult to obtain the informations on three dimensional beach changes only by the survey from the pier. The beach survey in the traverse direction to the pier axis was conducted in order to investigate the three dimensional beach changes. The survey was begun from May 12, 1977. The region of the survey extends on both sides of the pier for 100 meters as shown in Figure 2, and the interval of the stations is 10 meters. Photo. 6 shows a situation of the beach survey on the north side of the pier.

(4) Measurement of longshore current velocity

A float with a 15 meter-long rope was thrown into the surf zone just below the pier, and the longshore current velocity was calculated from the elapsed time of the movement of the float. Photo. 7 shows the tool of the measurement of longshore current velocity.

(5) Measurement of wave directions

Wave direction near the breaking point was observed from on top of the sand dune of around 30 meters high behind some 300 meters from the pier. The observation was carried out by using a plane table, an alidade and a compass. The position where the direction of the wave crest line is measured locates about 100 meters offshore from the tip of the pier. The method of the observation is as follows. First, a thin thread is attached level to the alidade, and then the direction of the thread from north is read when the wave crest line coincide with each other. Photo. 8 shows the situation of the measurement of wave direction from on top of the sand dune.

(6) Sampling of bed materials

Bed materials were dredged at 4 locations along the pier to study the grain-size distributions. Photo. 9 is the dredger to sample the bed materials.

(7) Measurement of the air and sea water temperatures

The air and sea water temperatures were measured just below the pier once a week.

(8) Wave observations

Two ultrasonic wave gauges were attached at a position 39 meters shoreward from the tip of the pier since March, 1984, and wave heights have been observed every two hours. Several observations using a capacitance type wave gauge were carried out before 1984, but the period of the observations was relatively short. Photo. 10 shows the two ultrasonic wave gauges attached to the pier. The wave gauge on the right (south) side is denoted as No. 1 gauge, and the left as No. 2. The distance between the gauges is 4.5 meters apart.

This report aims to summarize those data regarding items as mentioned above. In this report the data obtained between 1985 and 1989 are summarized.

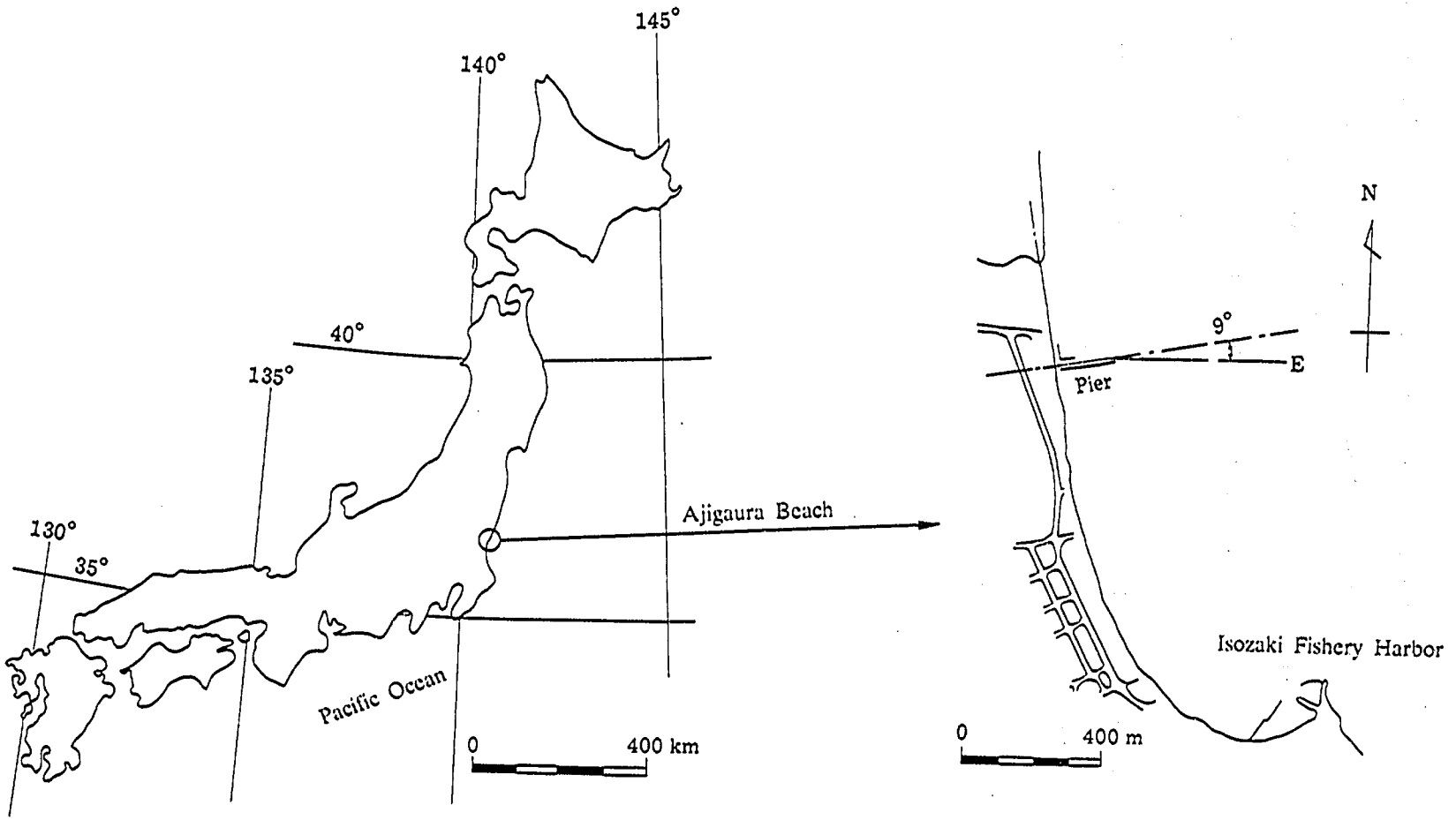


Fig. 1 Location of Ajigaura Beach

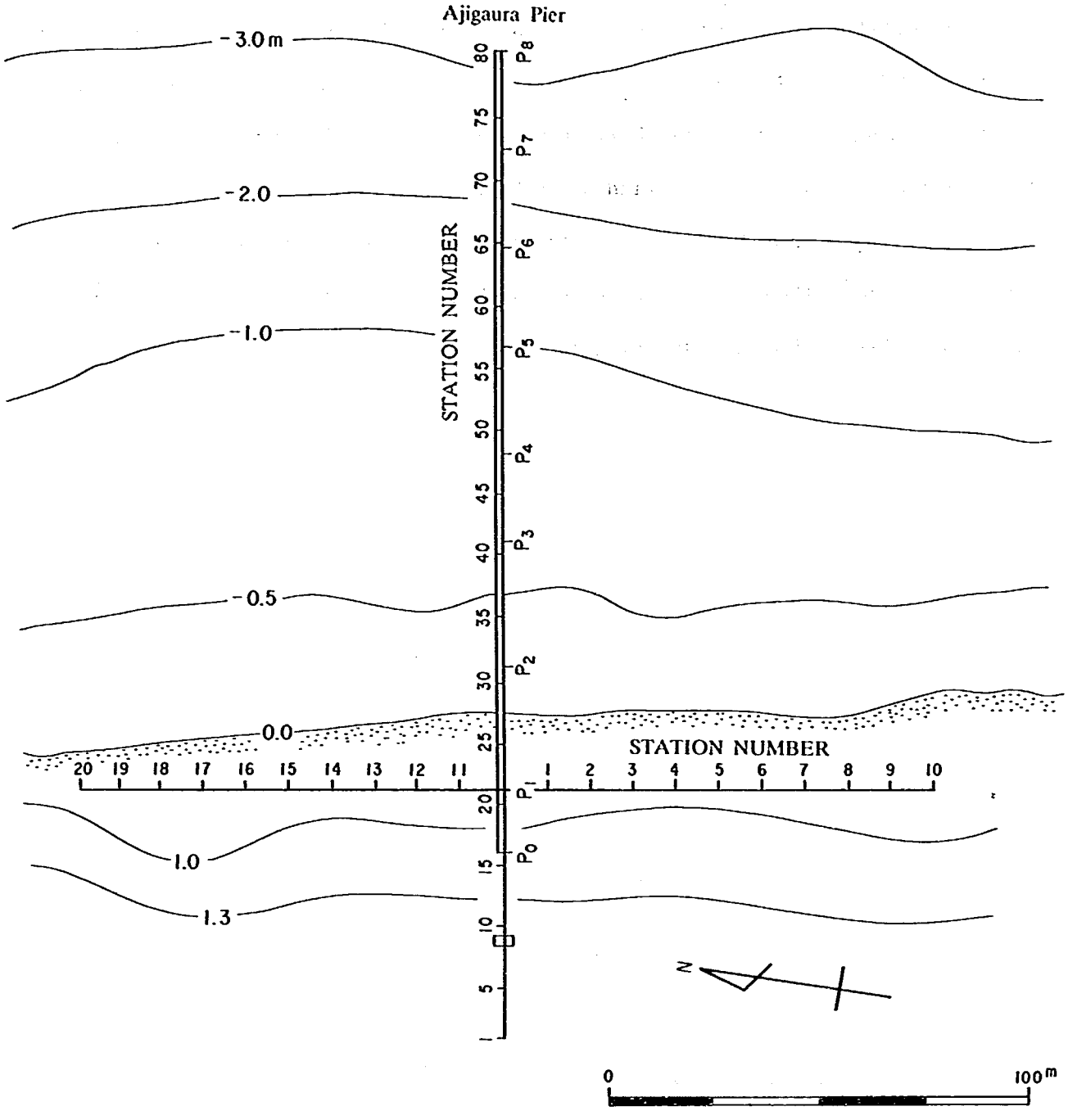
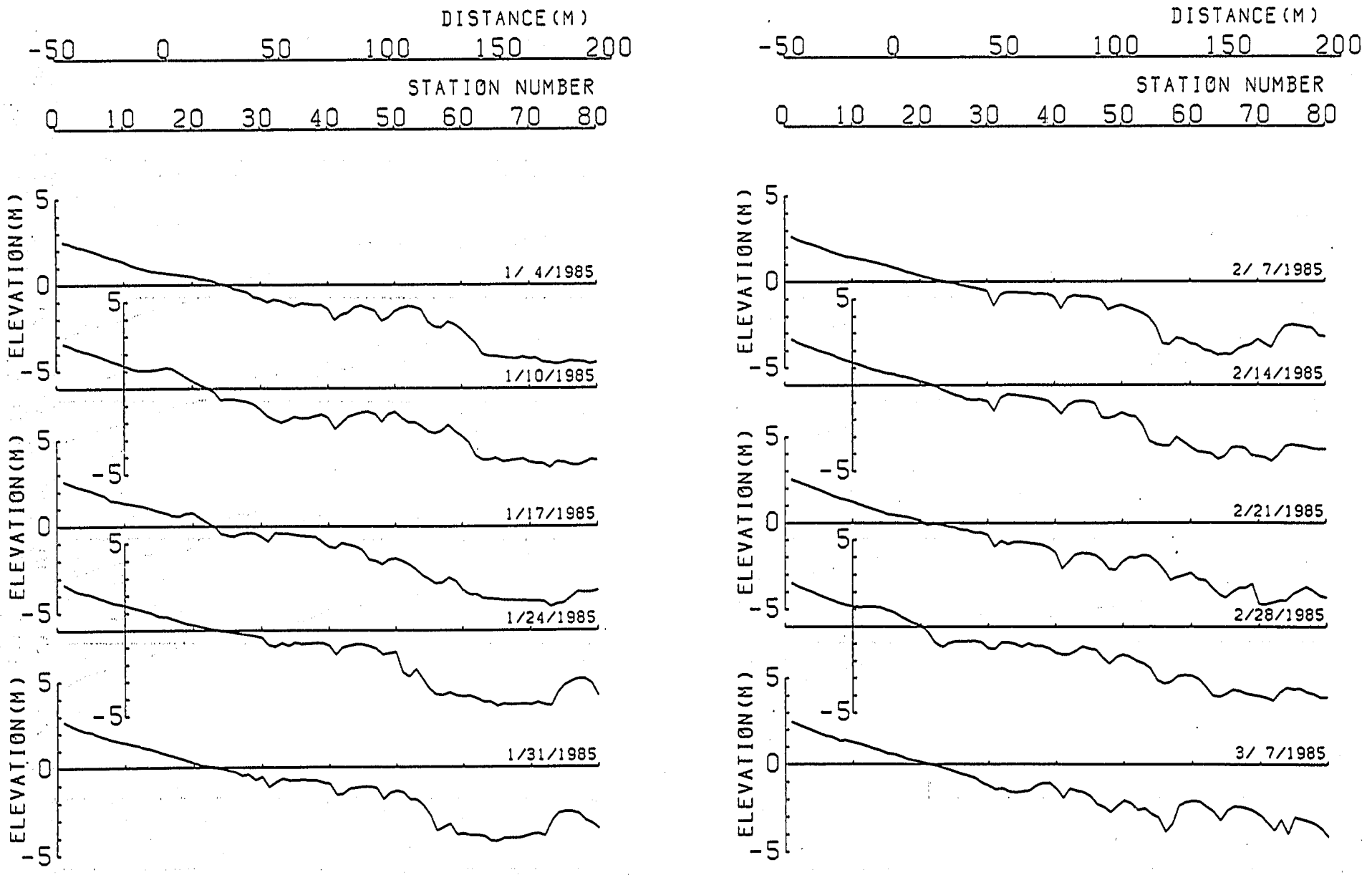


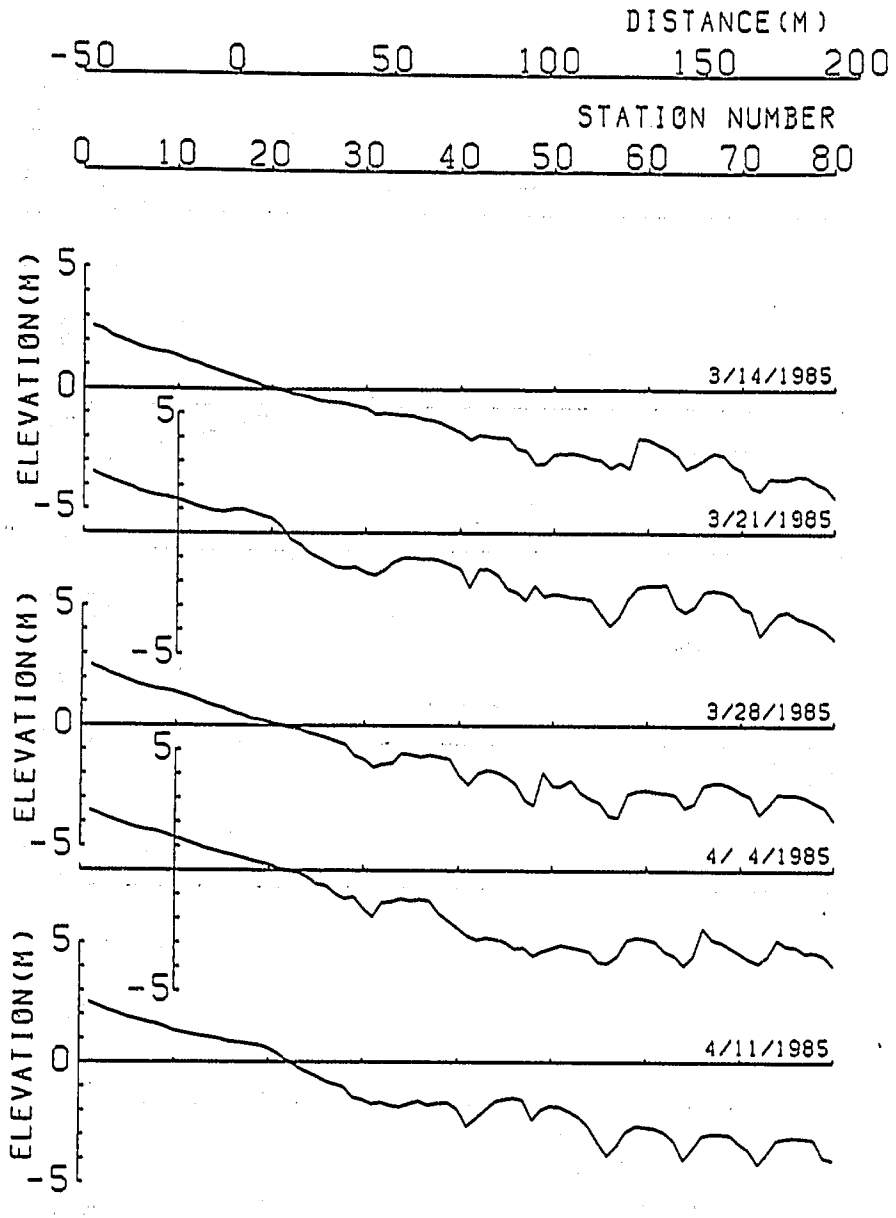
Fig. 2 Location of the pier and the survey lines

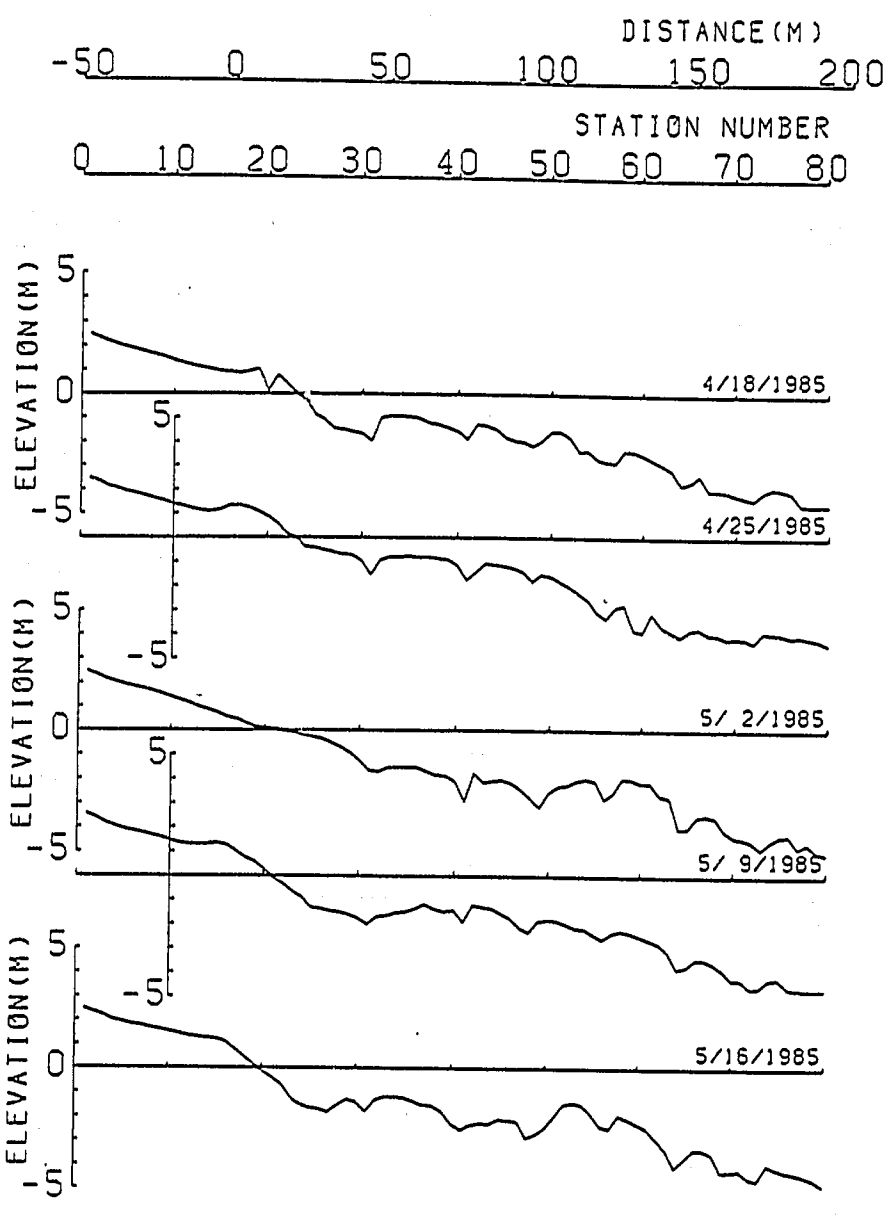
3. RESULTS OF FIELD OBSERVATION

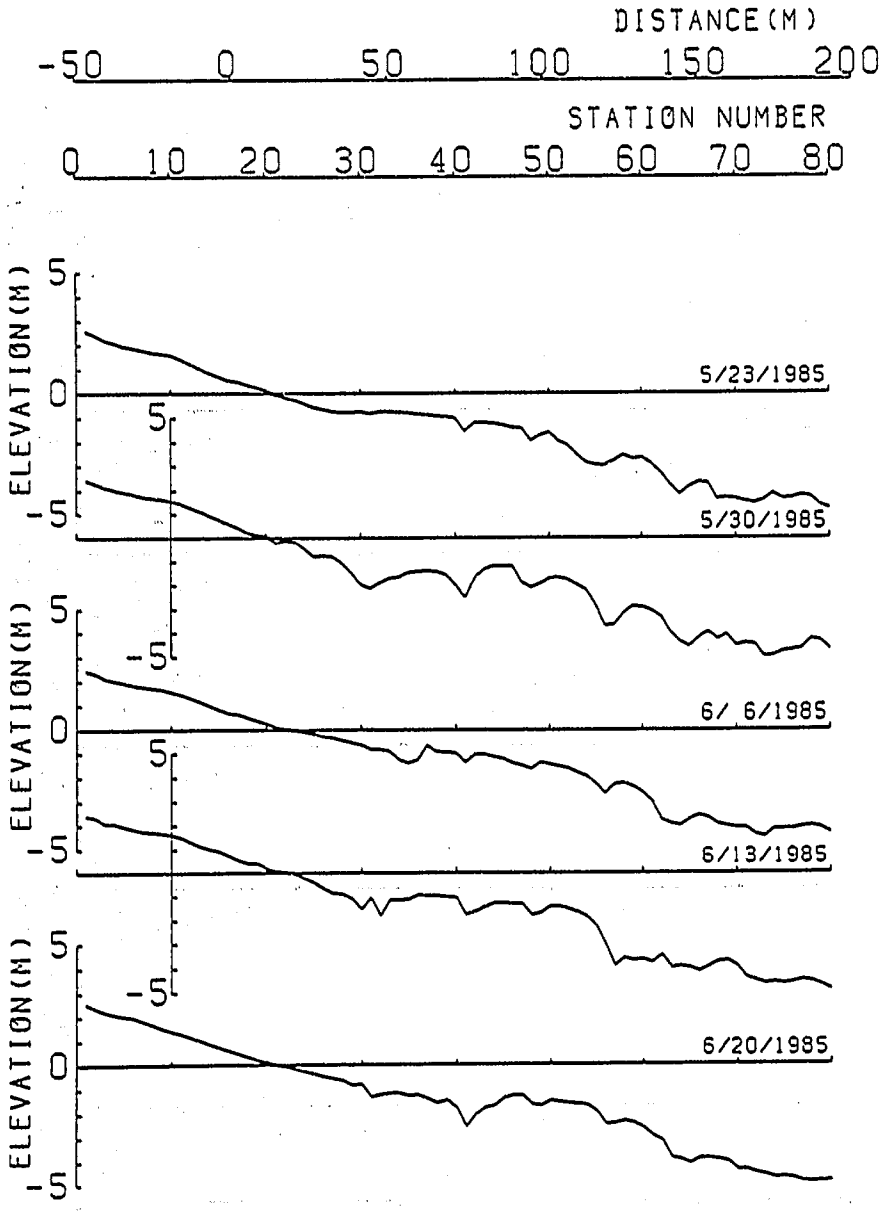
3.1 Beach Profiles

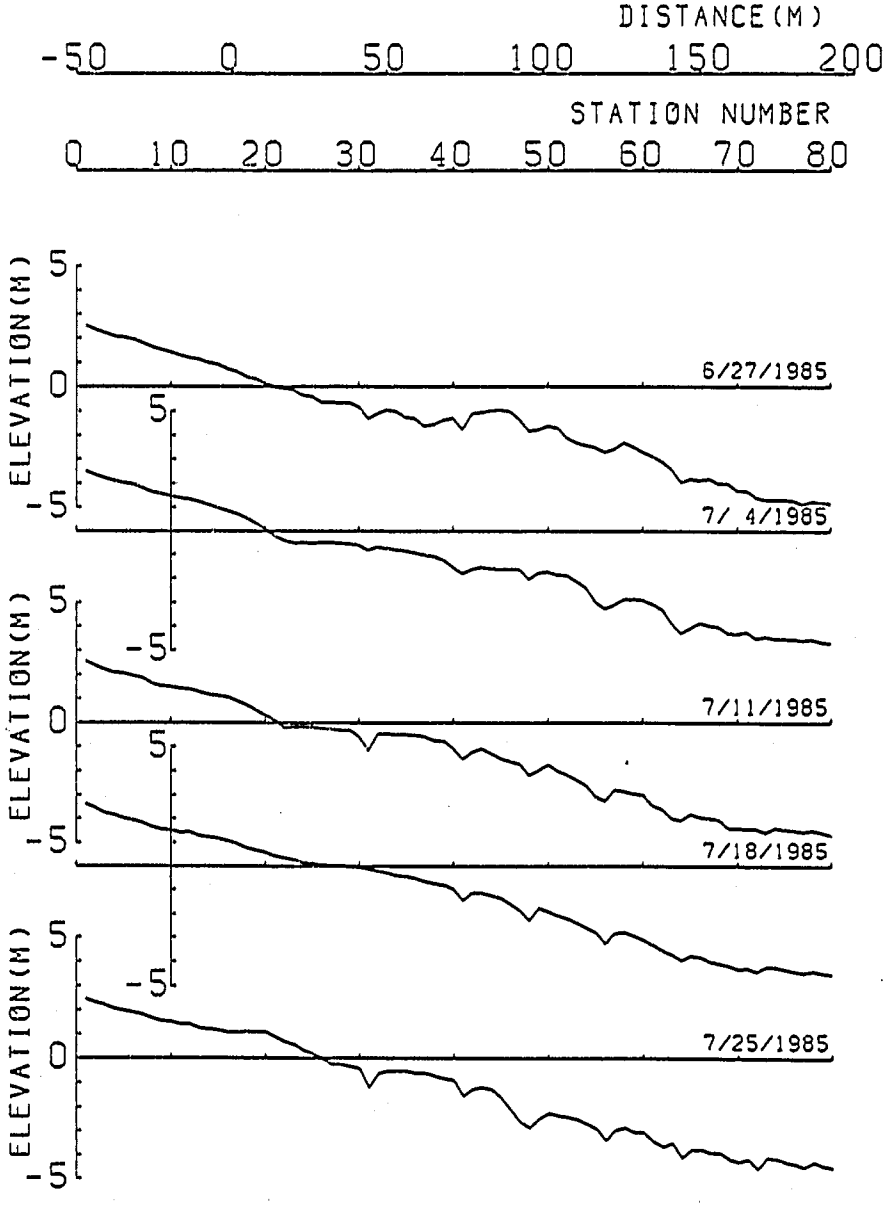
In the following pages all beach profiles obtained between January 4, 1985 and December 28, 1989 are shown. In the figures the abscissa is the offshore distance from a reference point, which locates at the shoreward end of the pier. The date of the observation of the beach profile having been conducted once a week is written at the right-hand side of the table. Months are written by the numbers of 1 through 12 instead of January through December. Wedged-typed beach shapes found in profiles express the scour around the pier piles. There exist nine pier piles along the pier, and their distances are 0, 15, 45, 75, 96, 121.5, 145.5, 169.5 and 193.5 meters from the shoreward end of the pier.

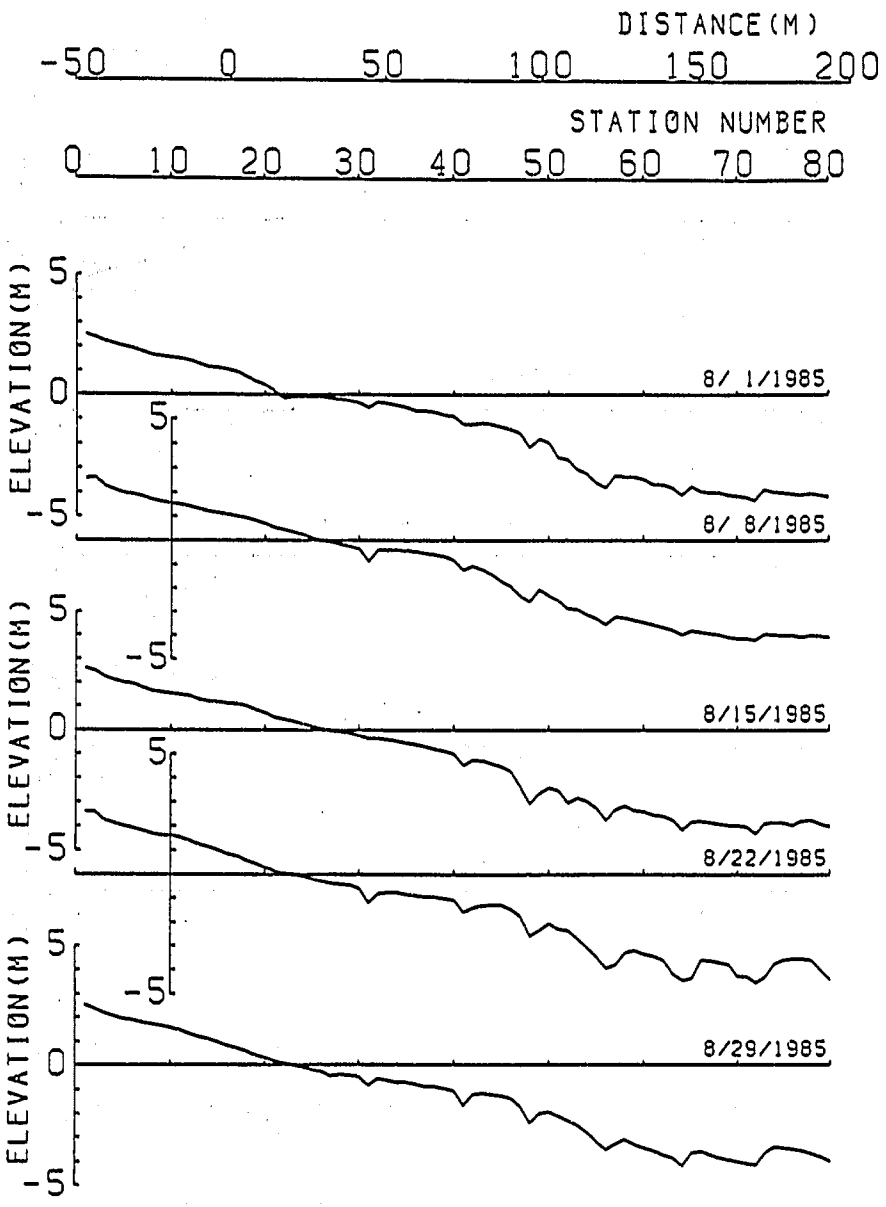

DISTANCE(M)
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STATION NUMBER
0 10 20 30 40 50 60 70 80
ELEVATION(M)
5
0
-5
1/ 4/1985
1/10/1985
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2/ 7/1985
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2/21/1985
2/28/1985
3/ 7/1985

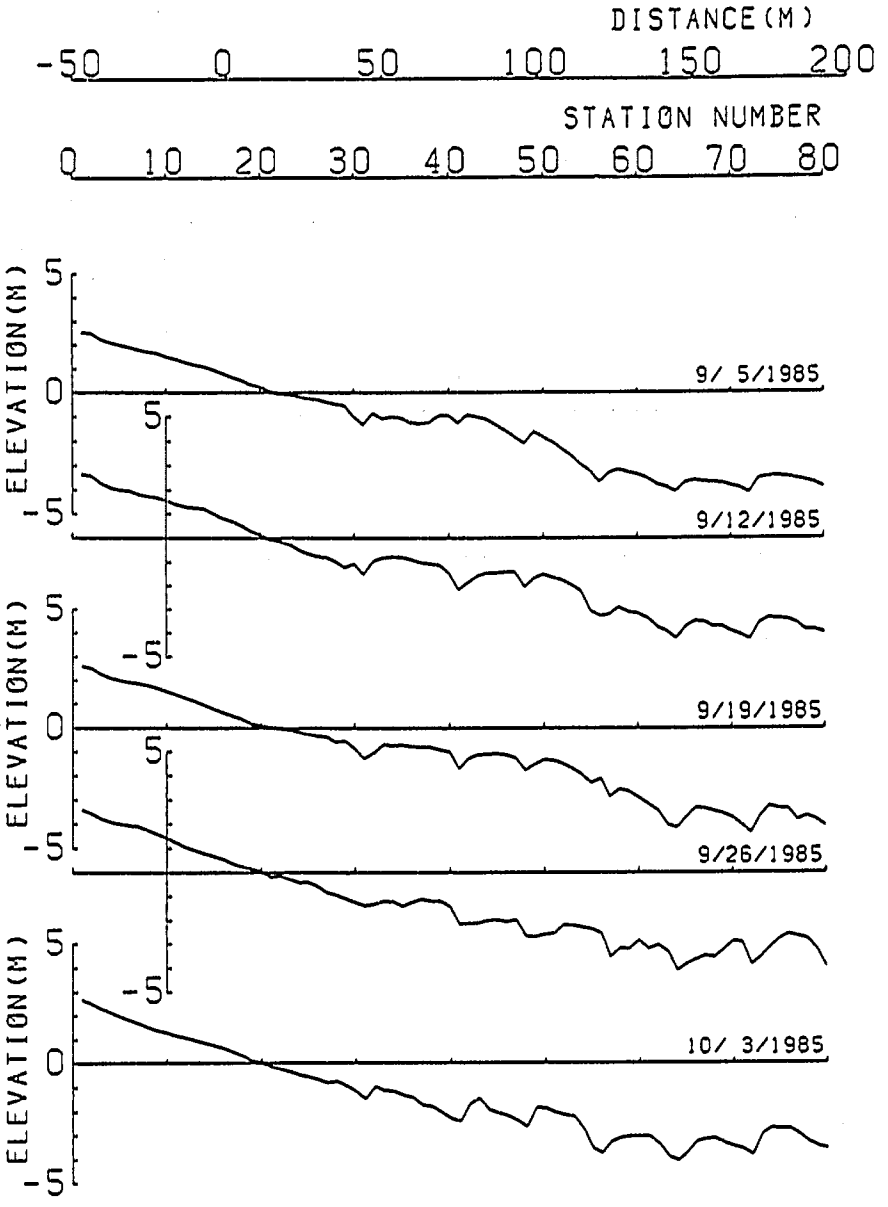

DISTANCE(M)
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STATION NUMBER
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3/21/1985
3/28/1985
4/ 4/1985
4/11/1985

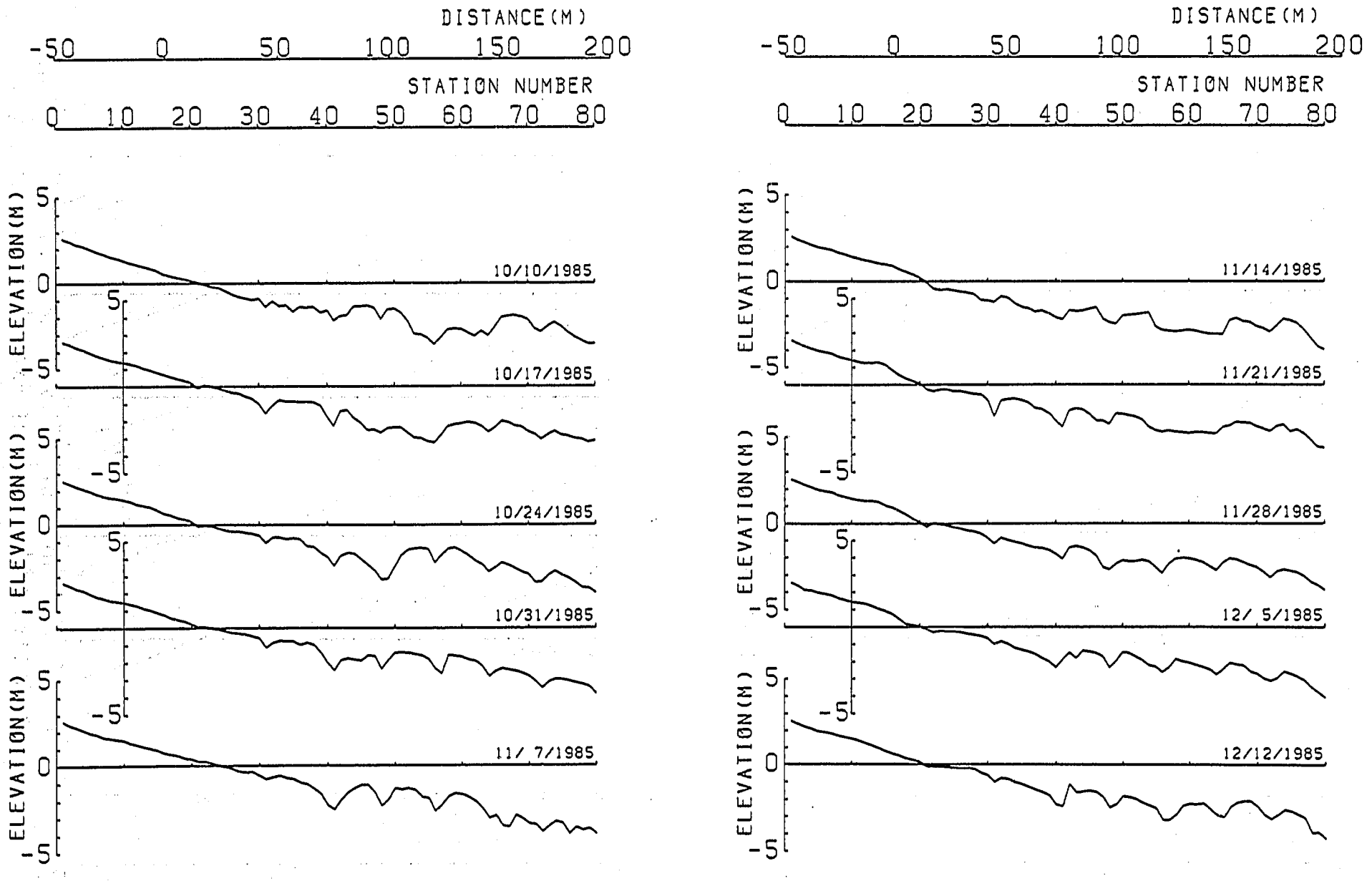

DISTANCE(M)
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STATION NUMBER
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4/25/1985
5/ 2/1985
5/ 9/1985
5/16/1985

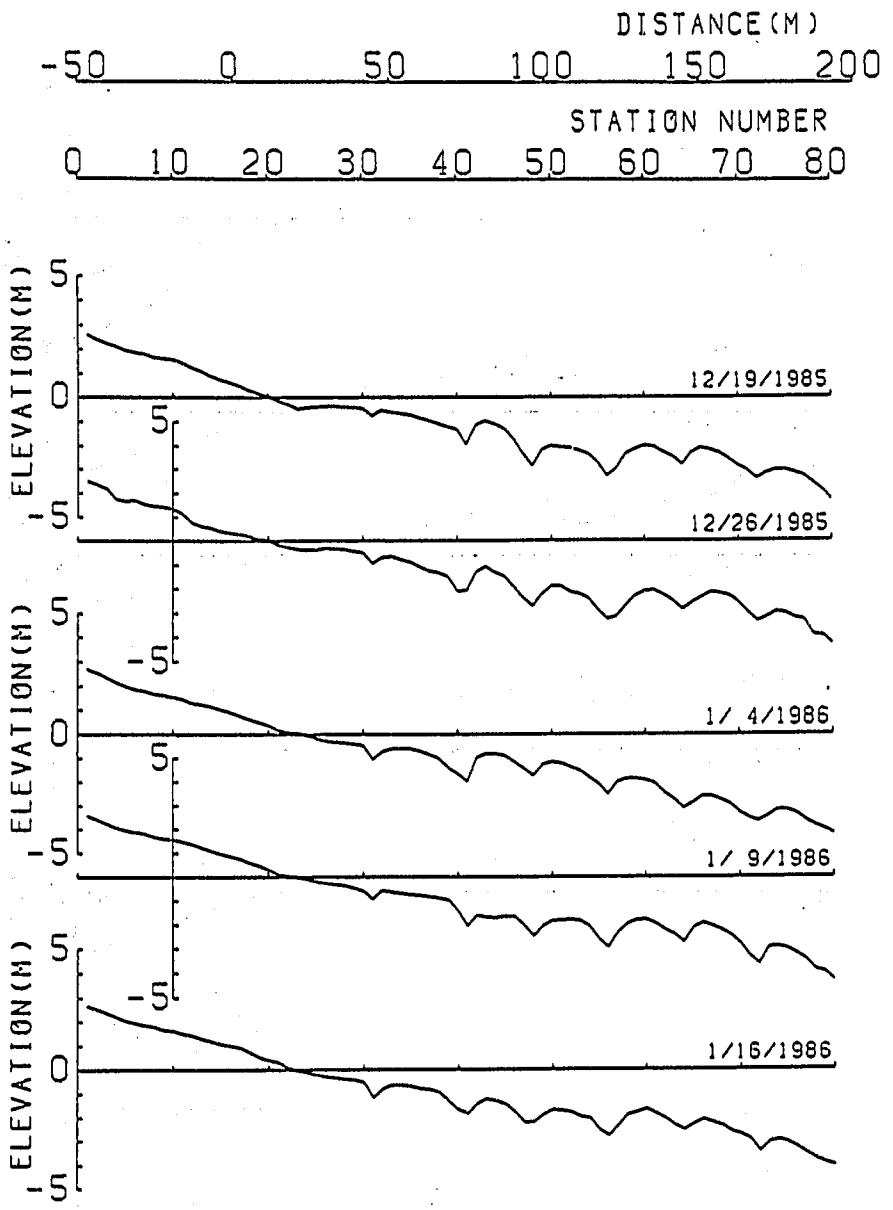

DISTANCE(M)
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6/ 6/1985
6/13/1985
6/20/1985

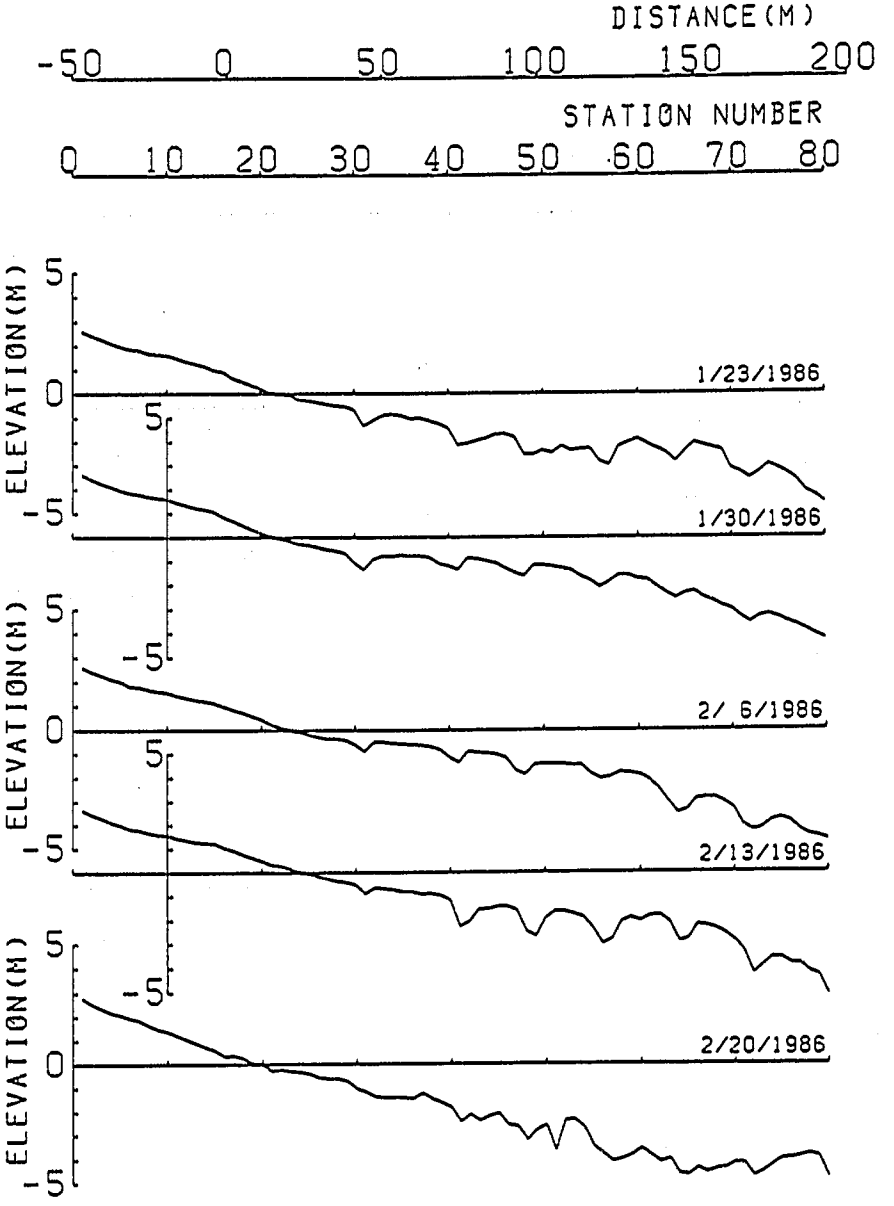

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7/25/1985

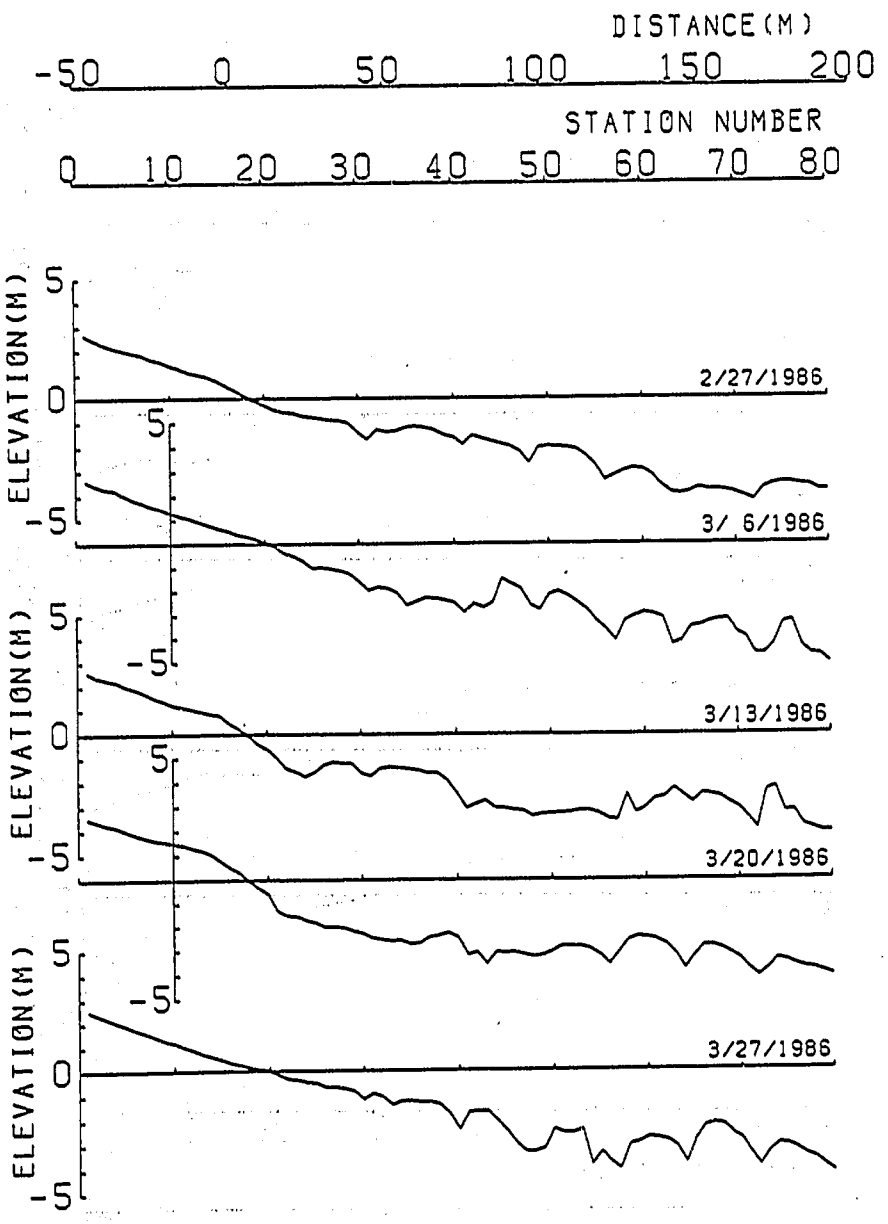

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8/29/1985

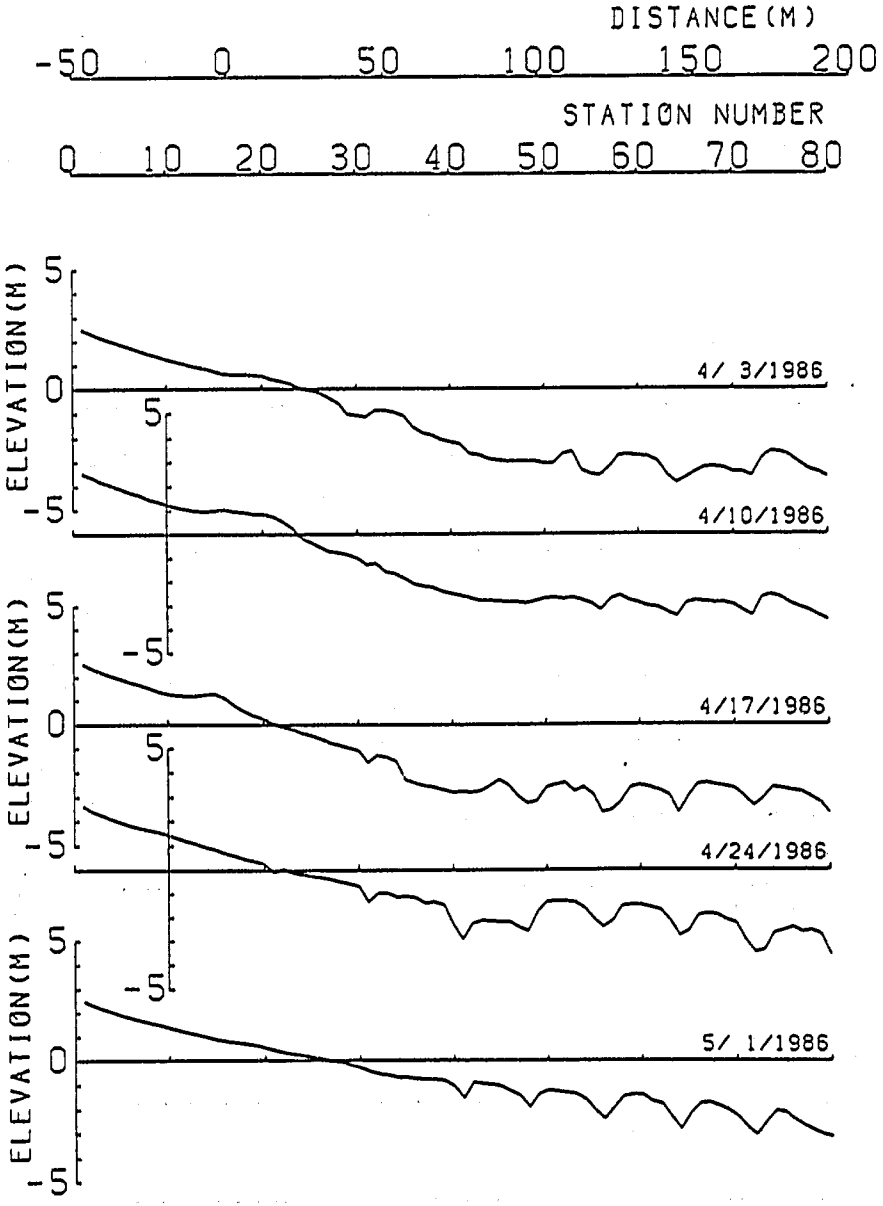

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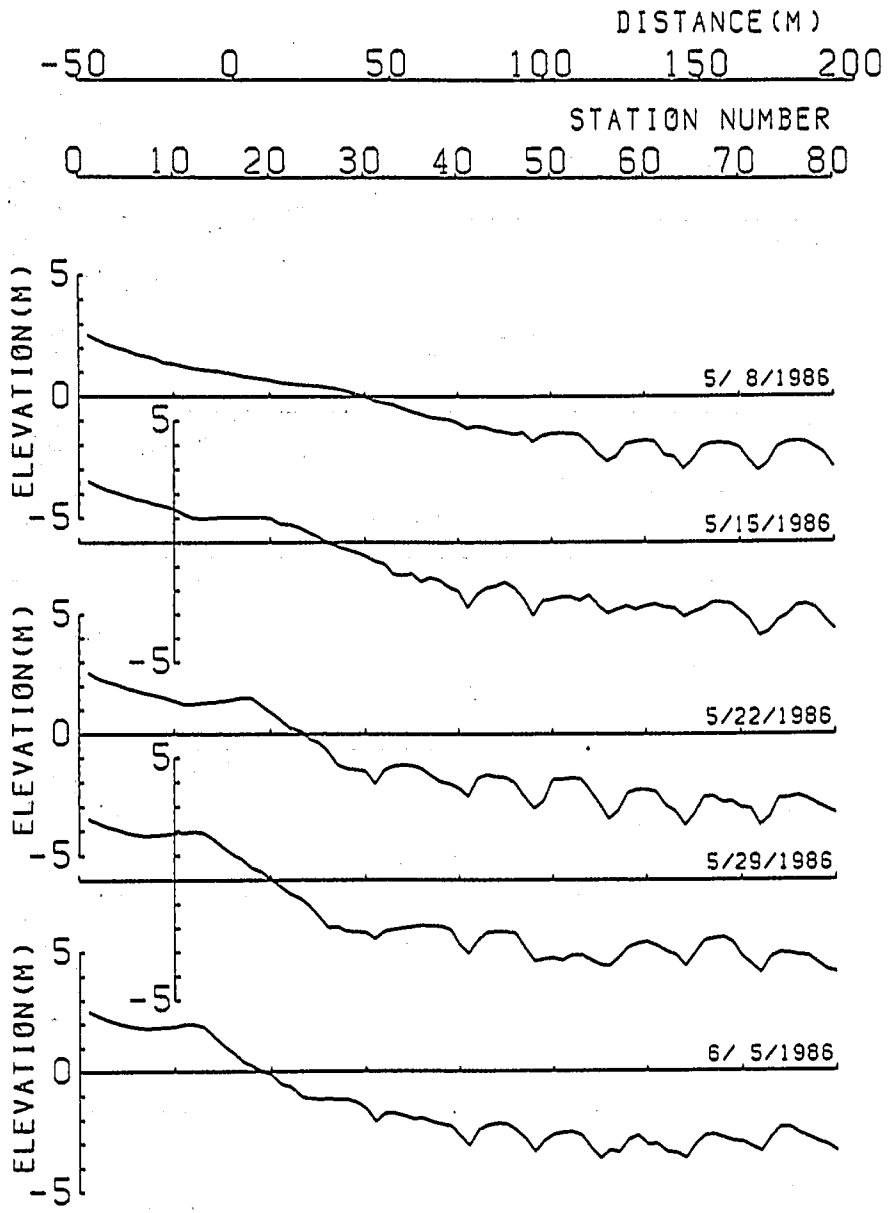

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12/ 5/1985
12/12/1985

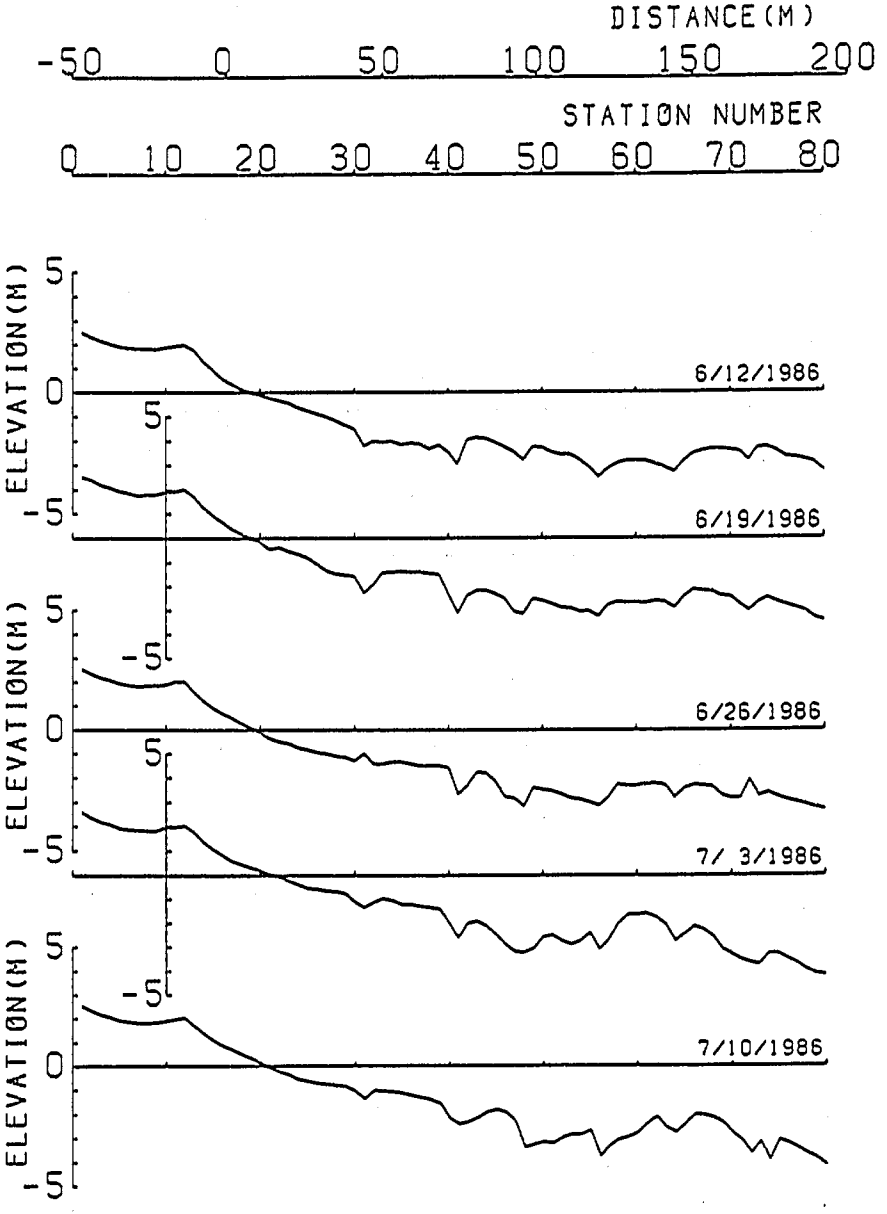

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1/16/1986

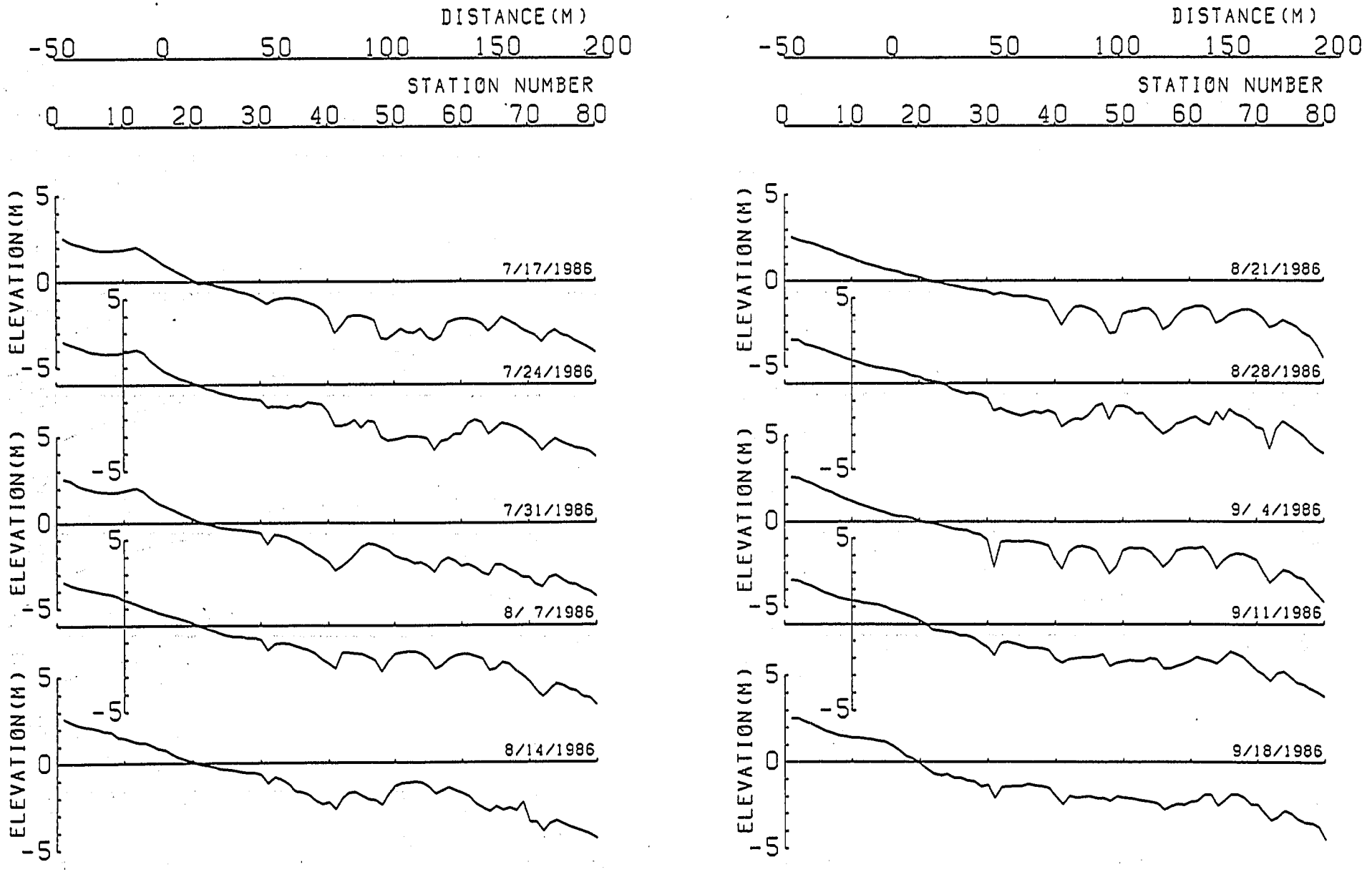

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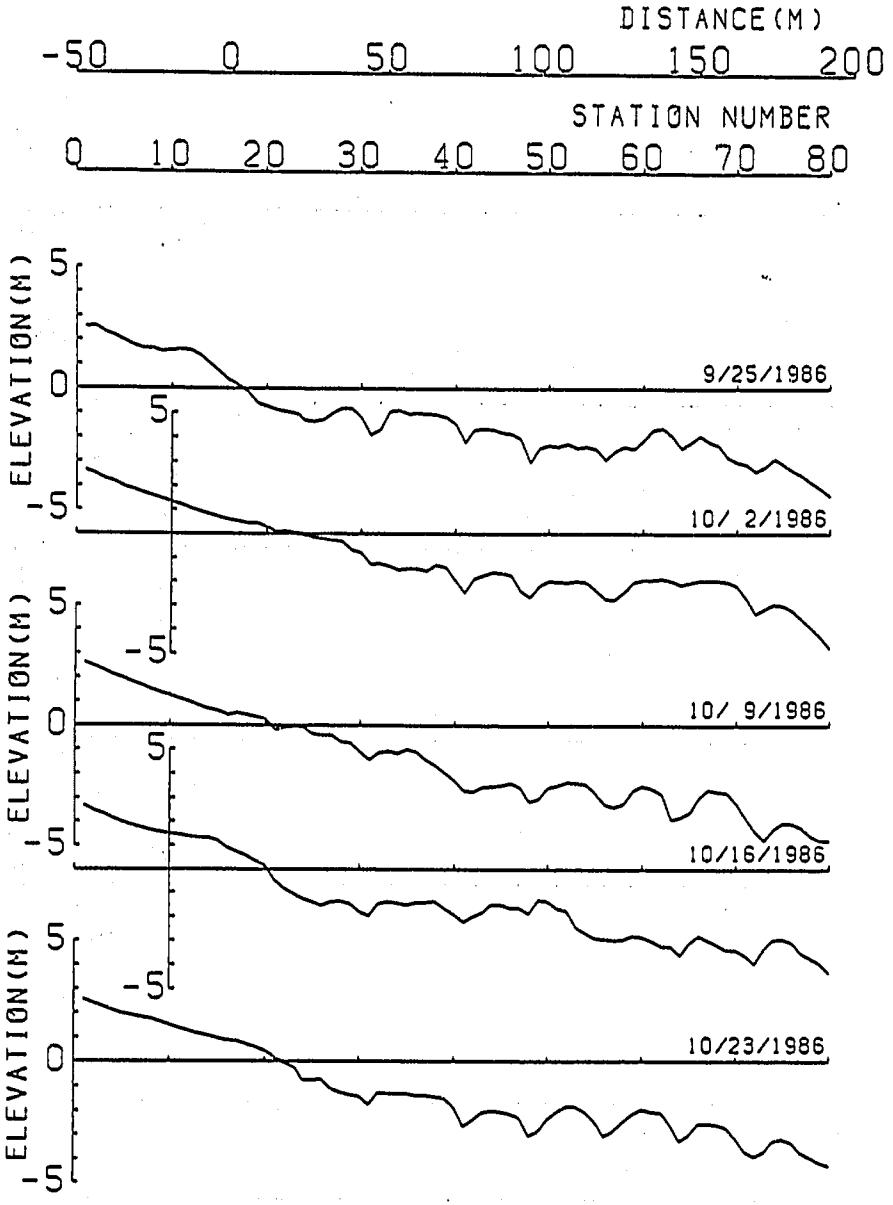

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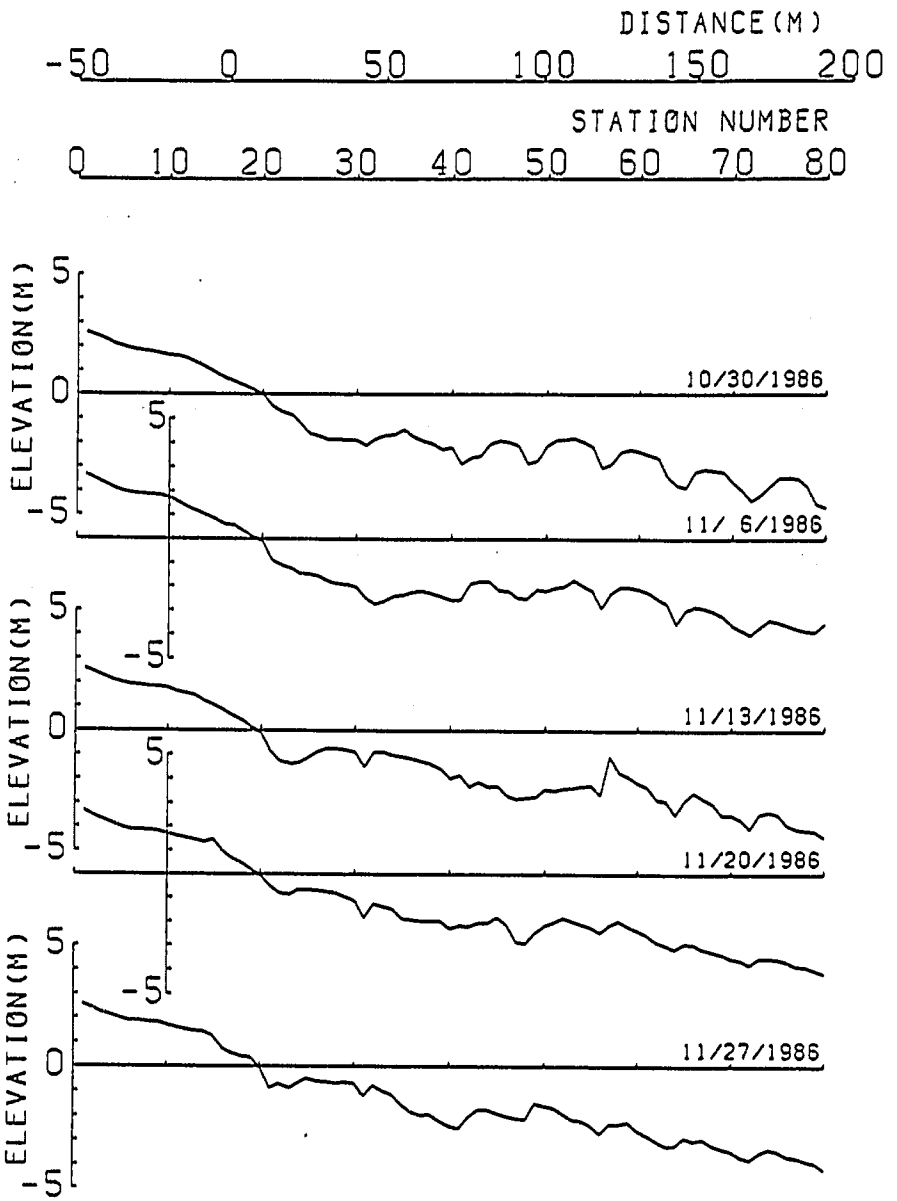

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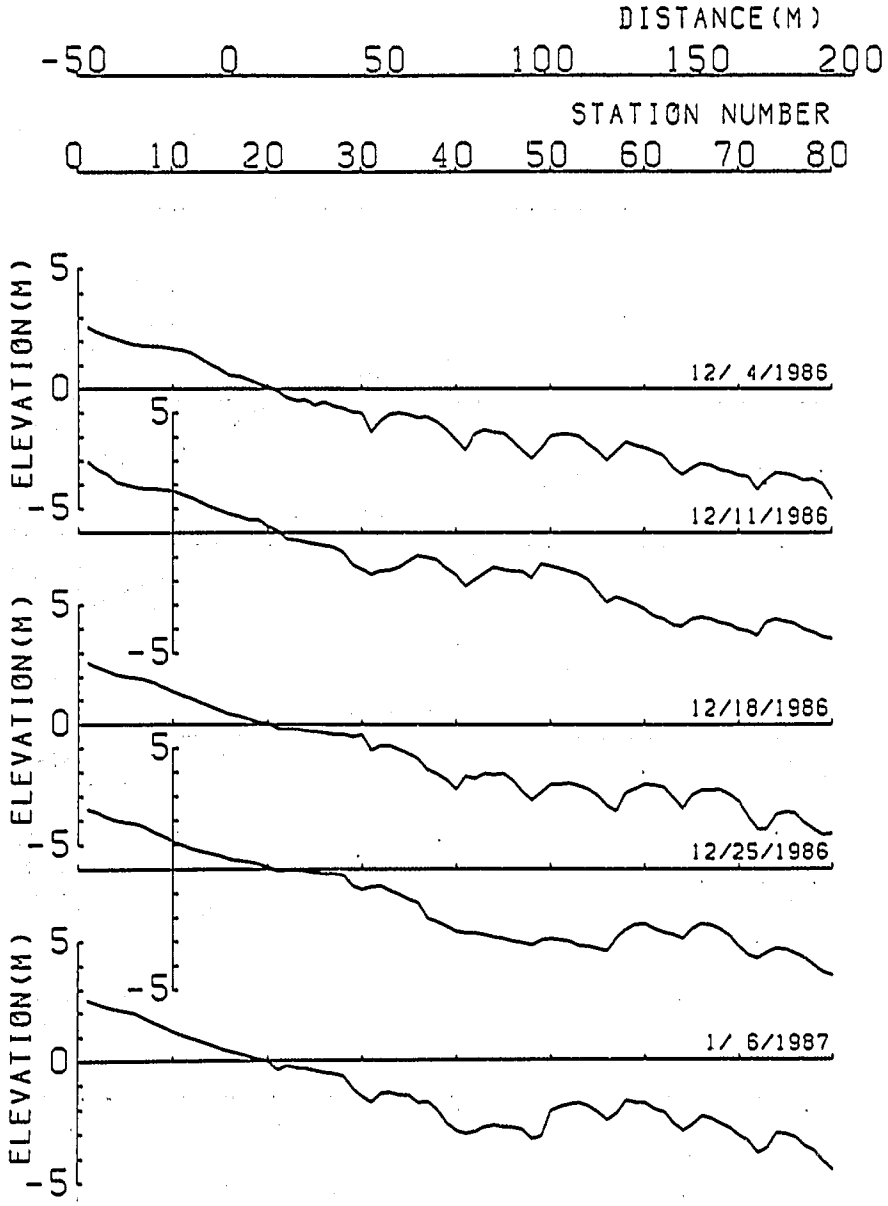

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6/ 5/1986

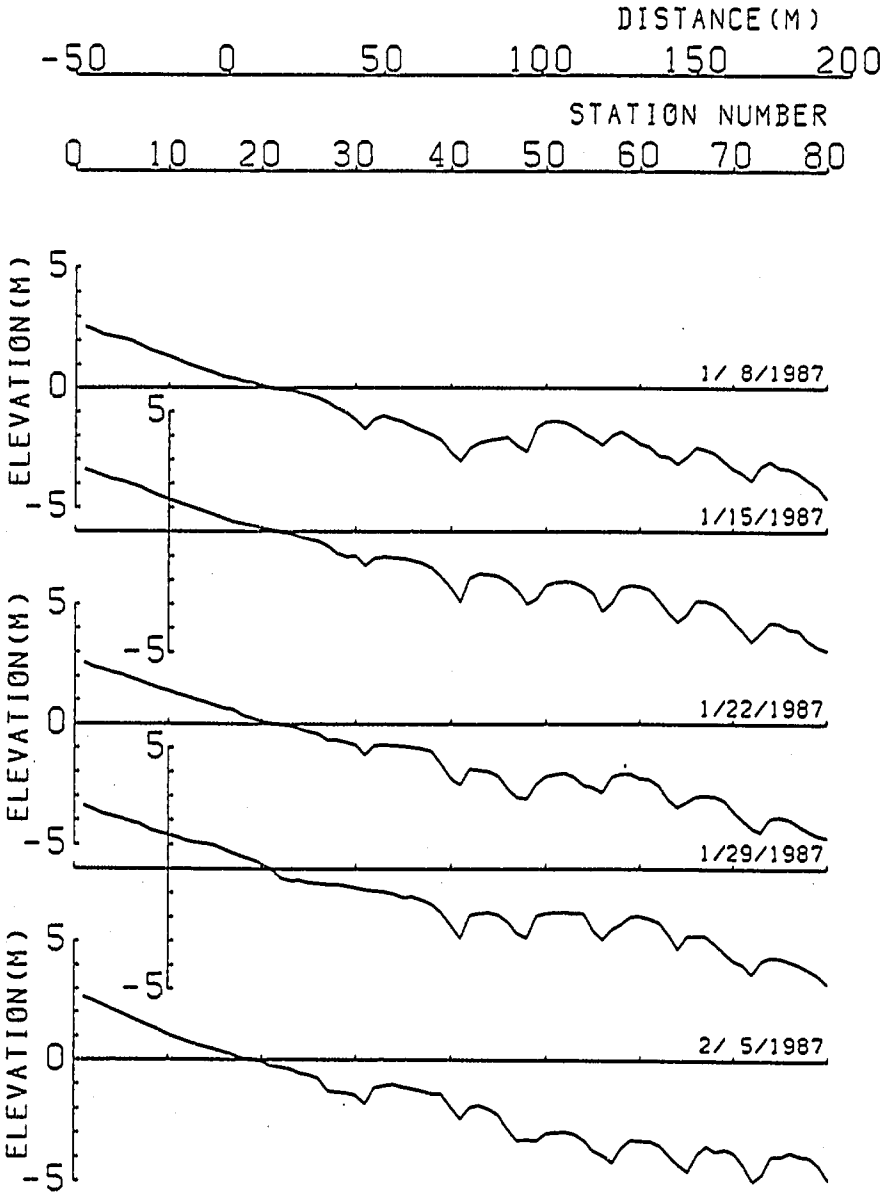

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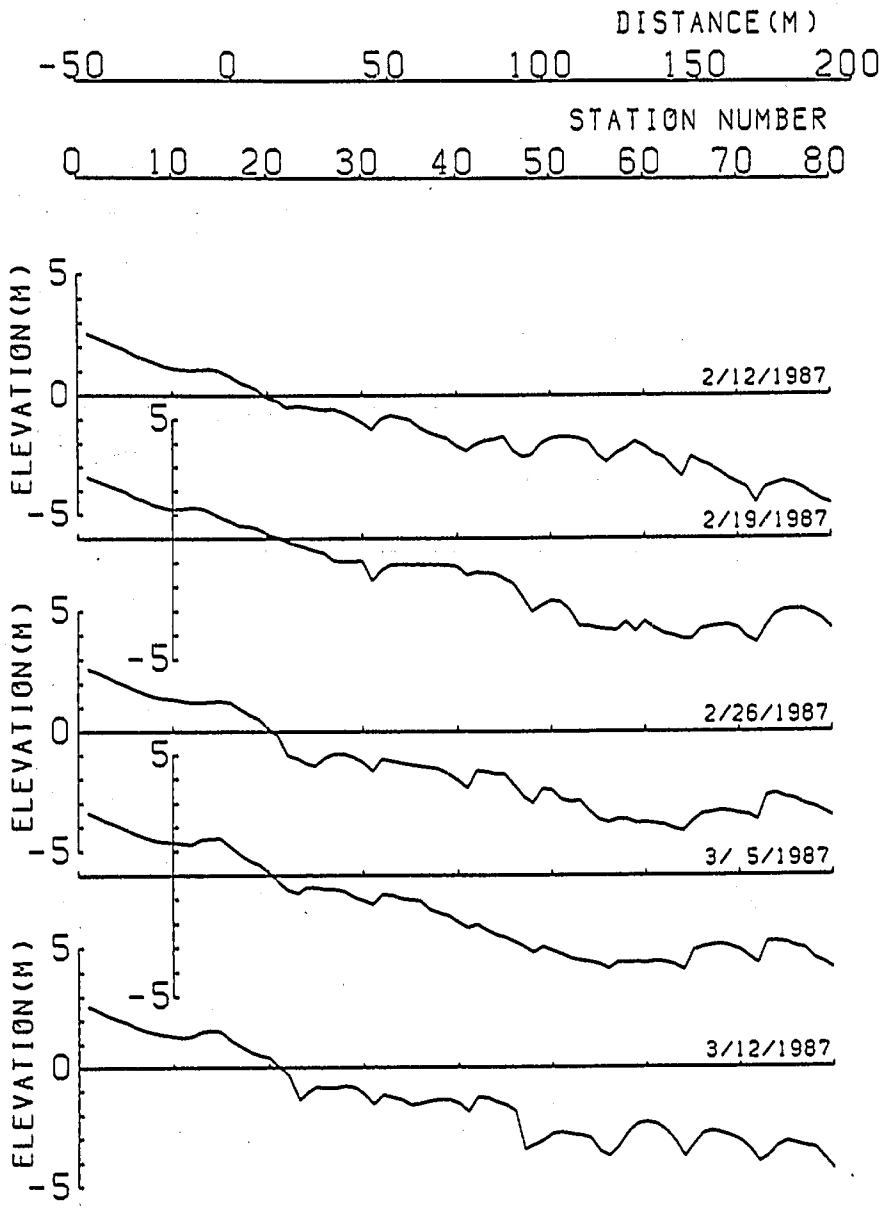

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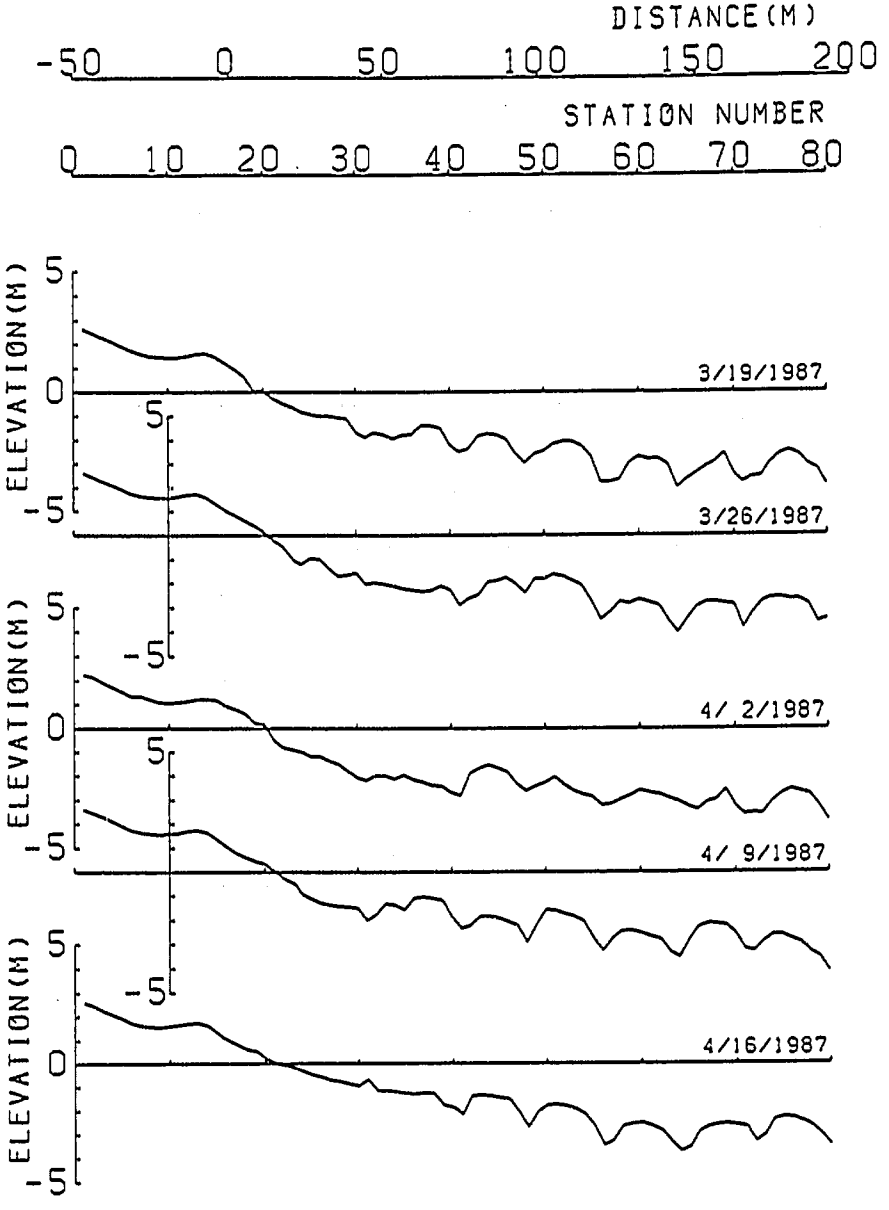

DISTANCE(M)
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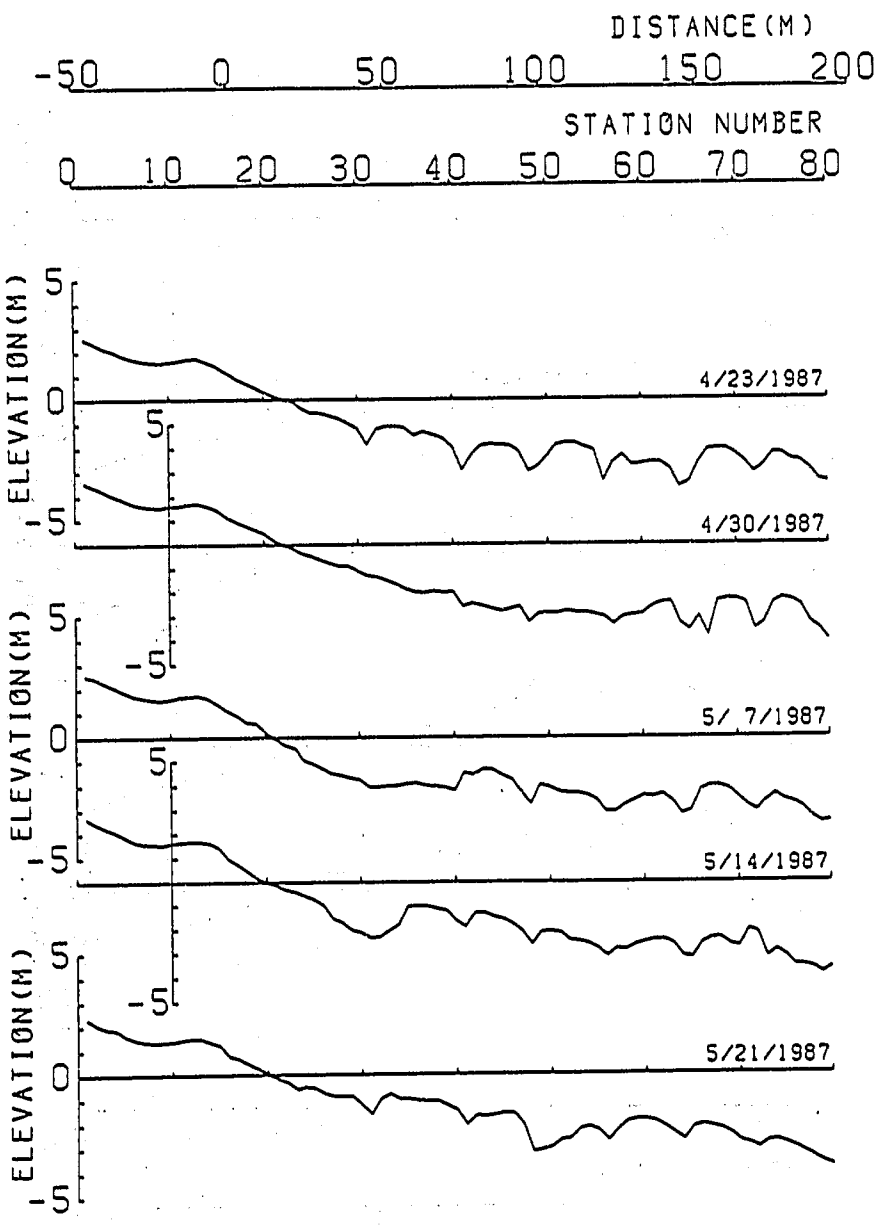

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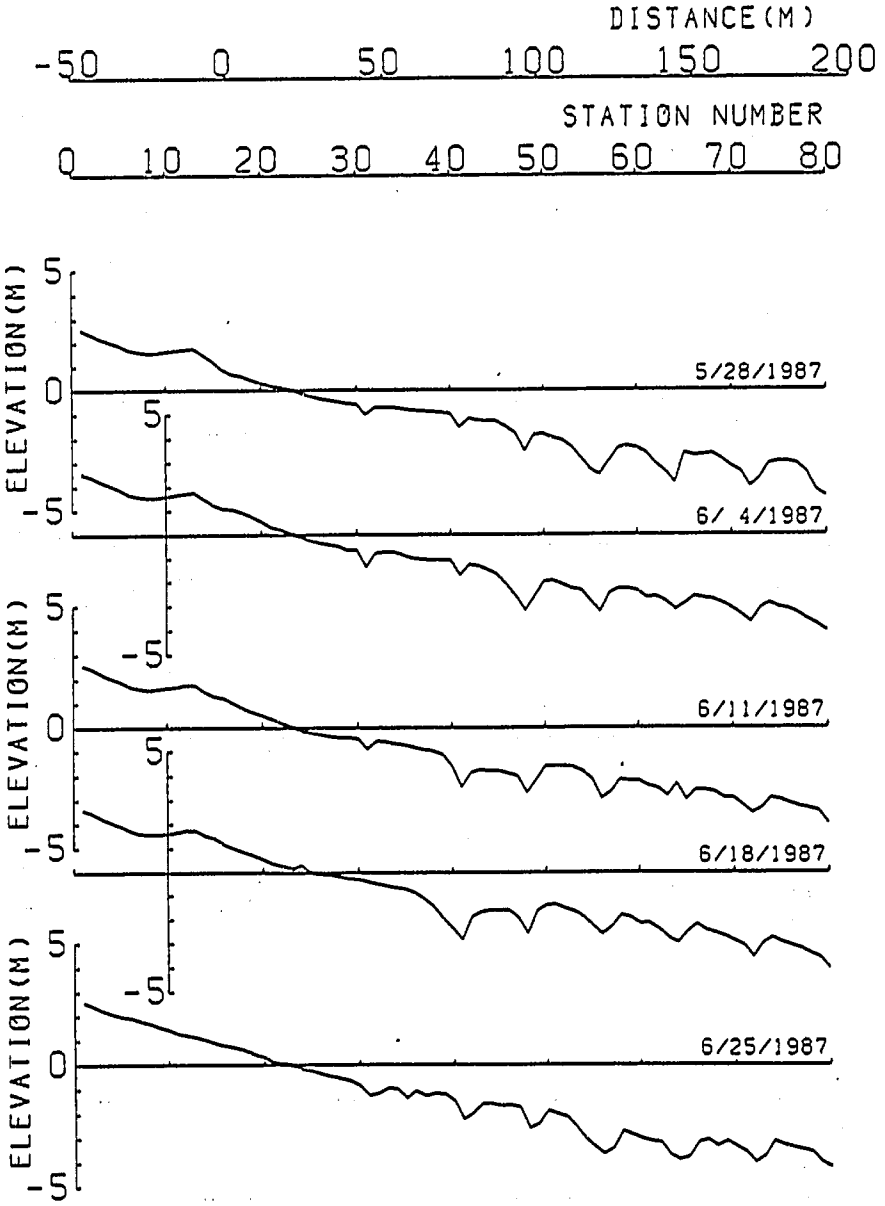

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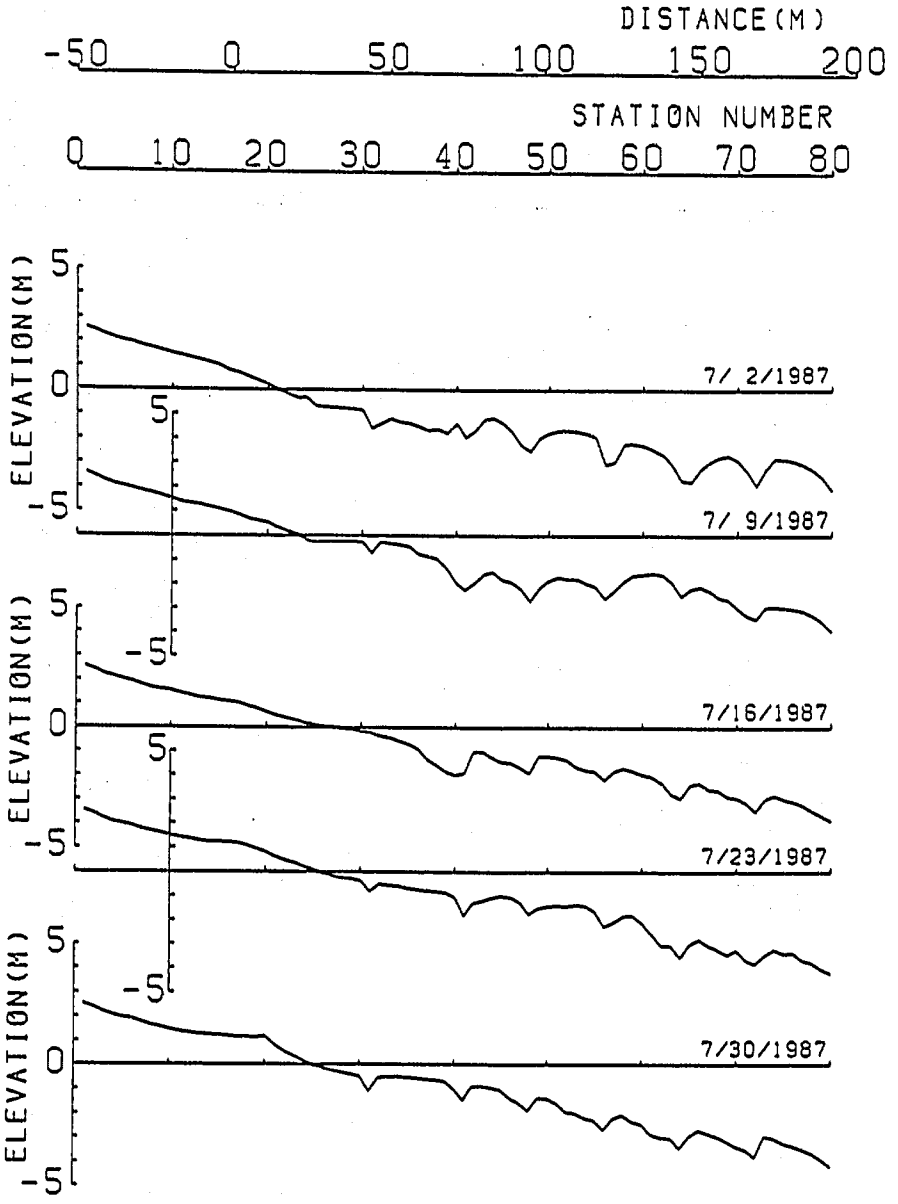

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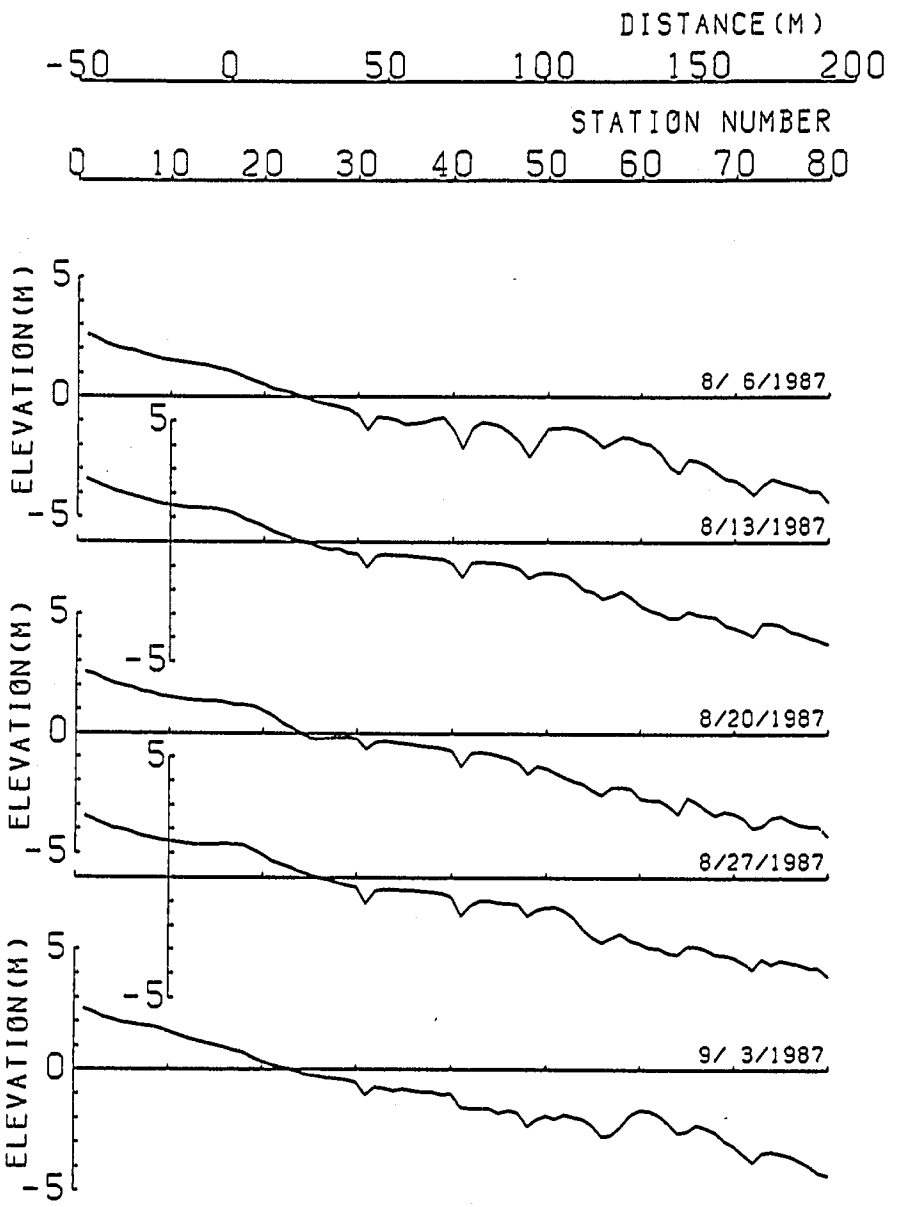

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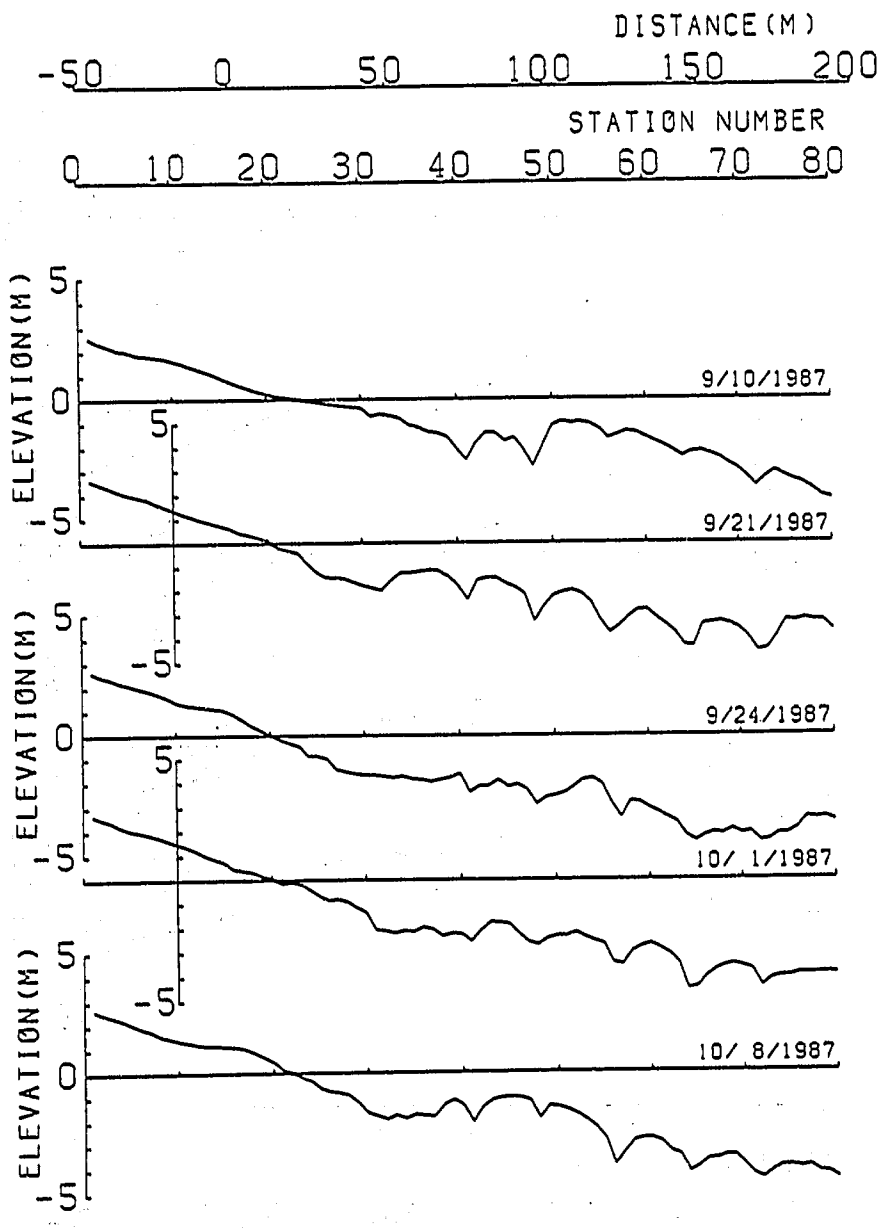

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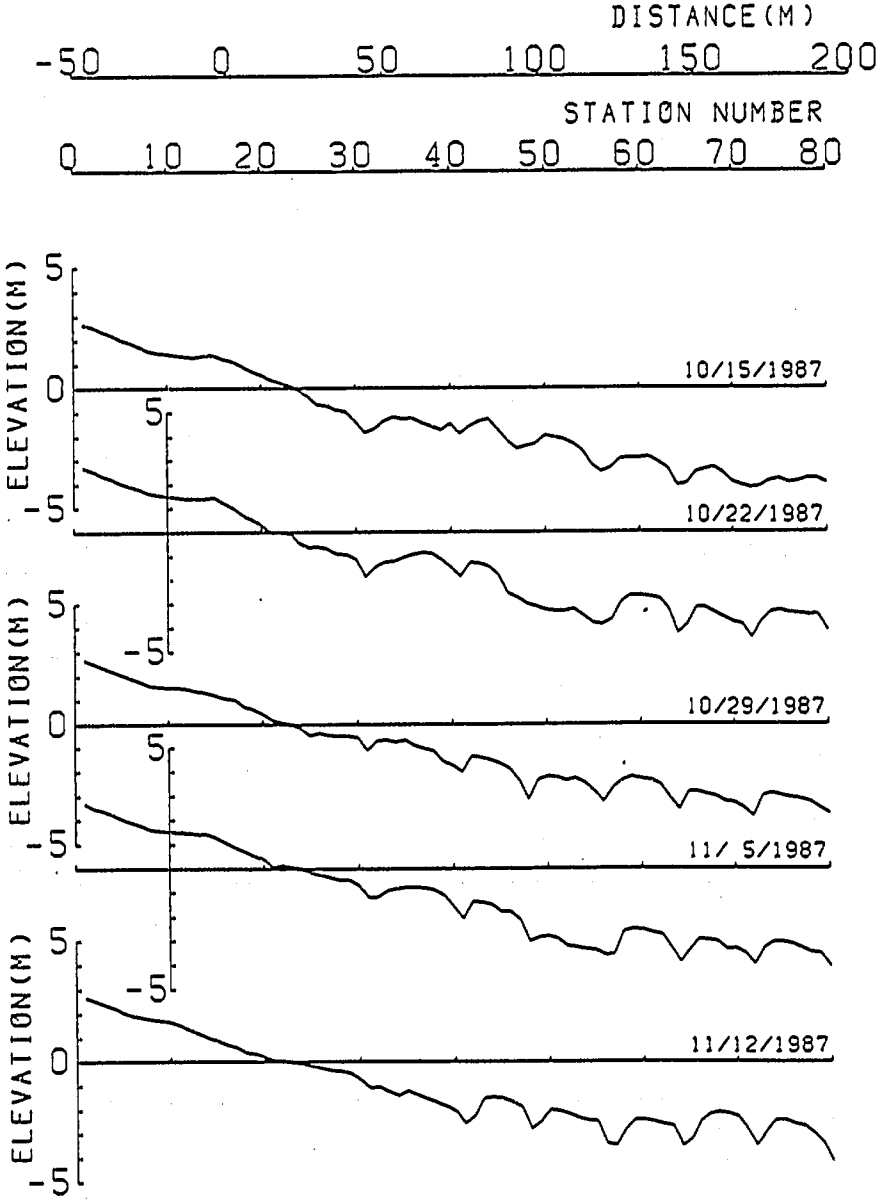

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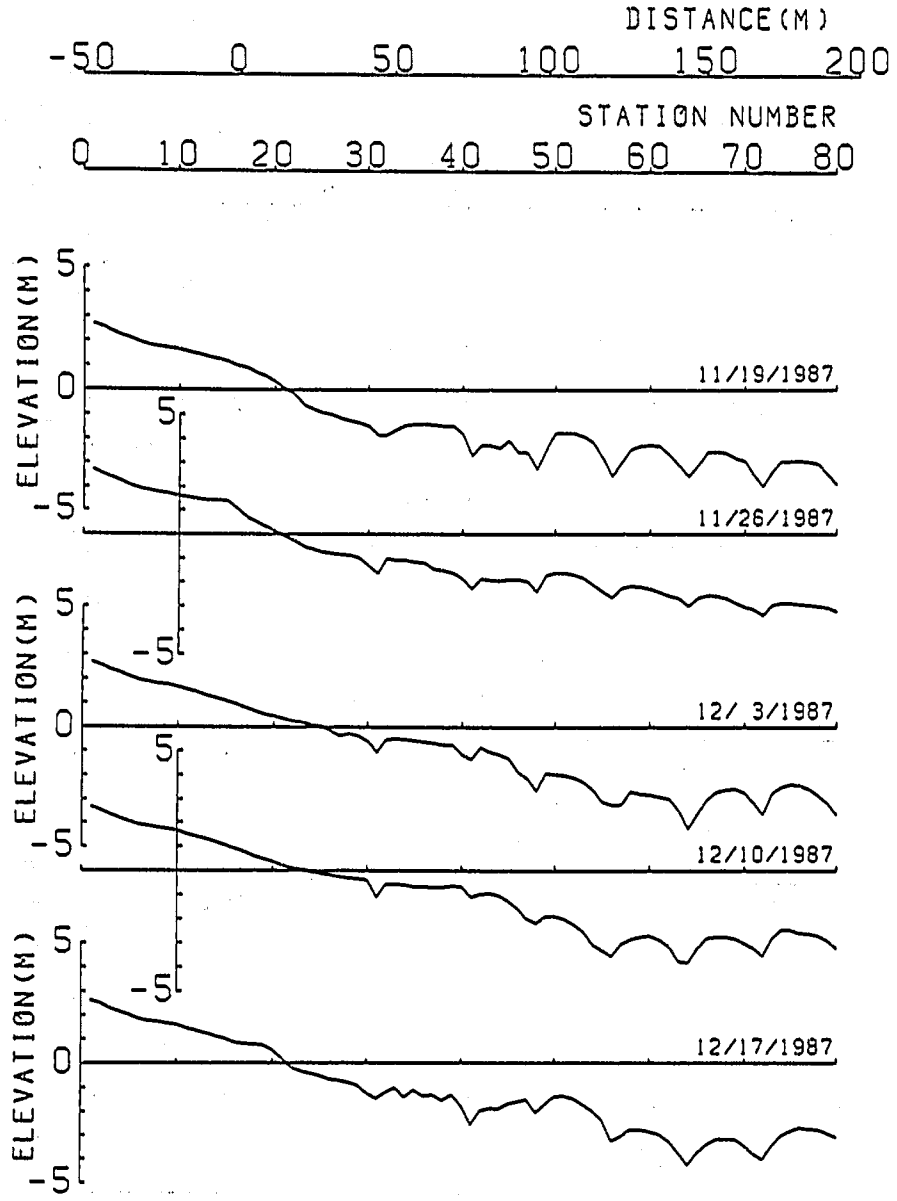

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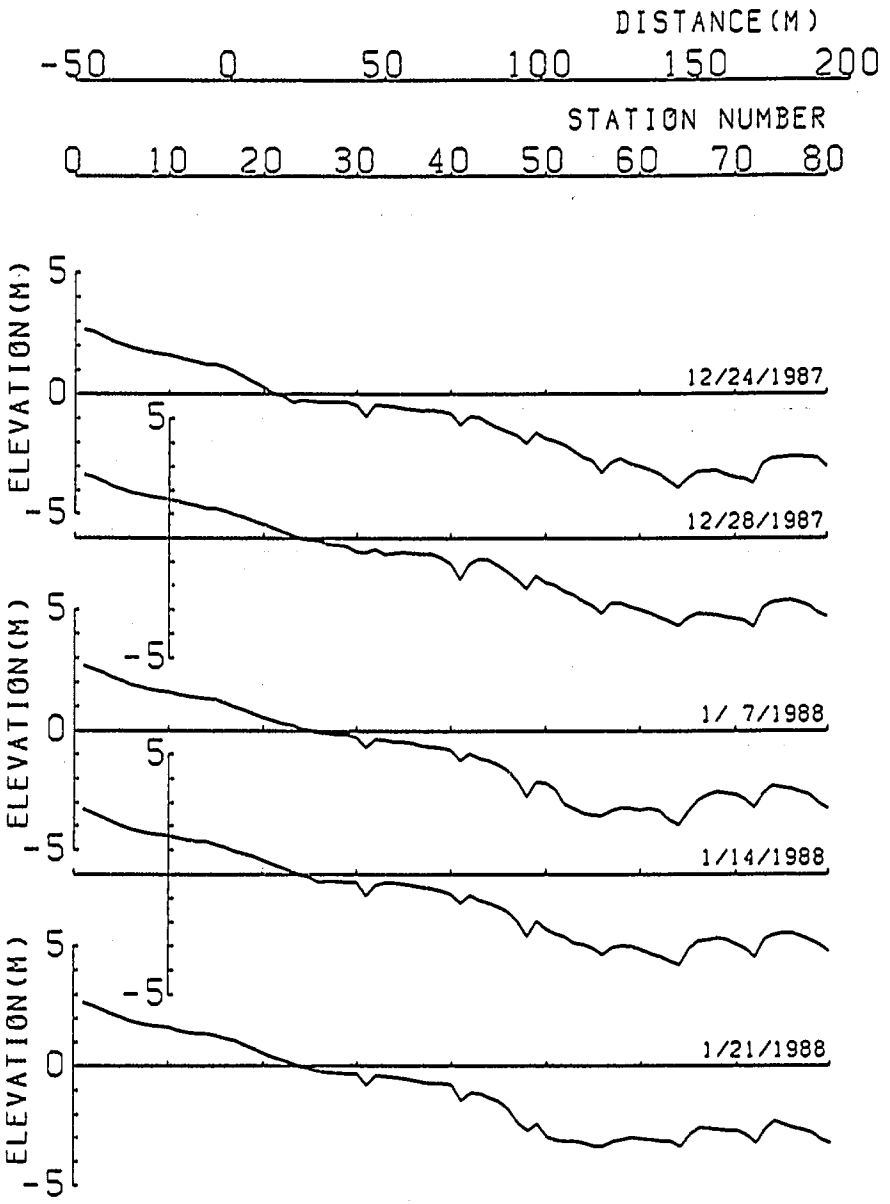

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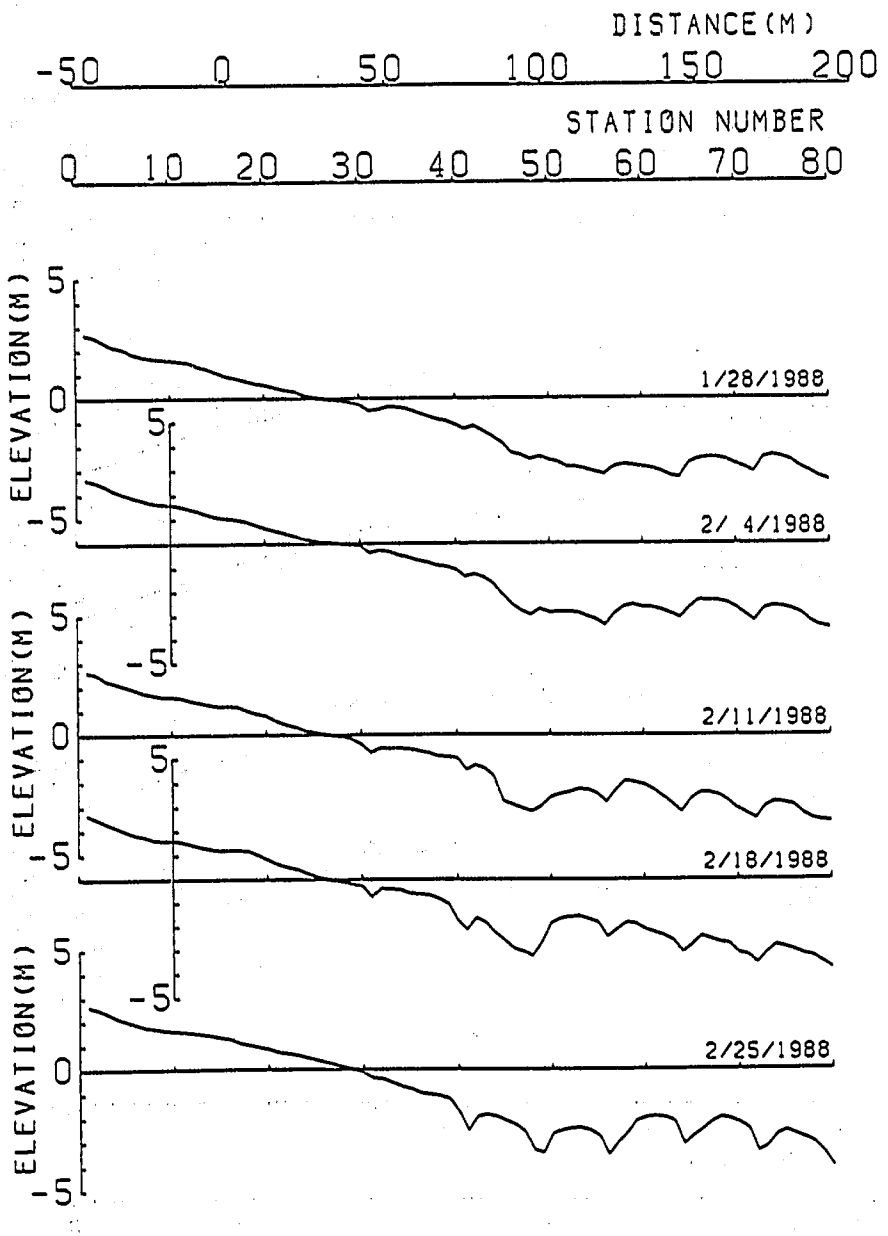

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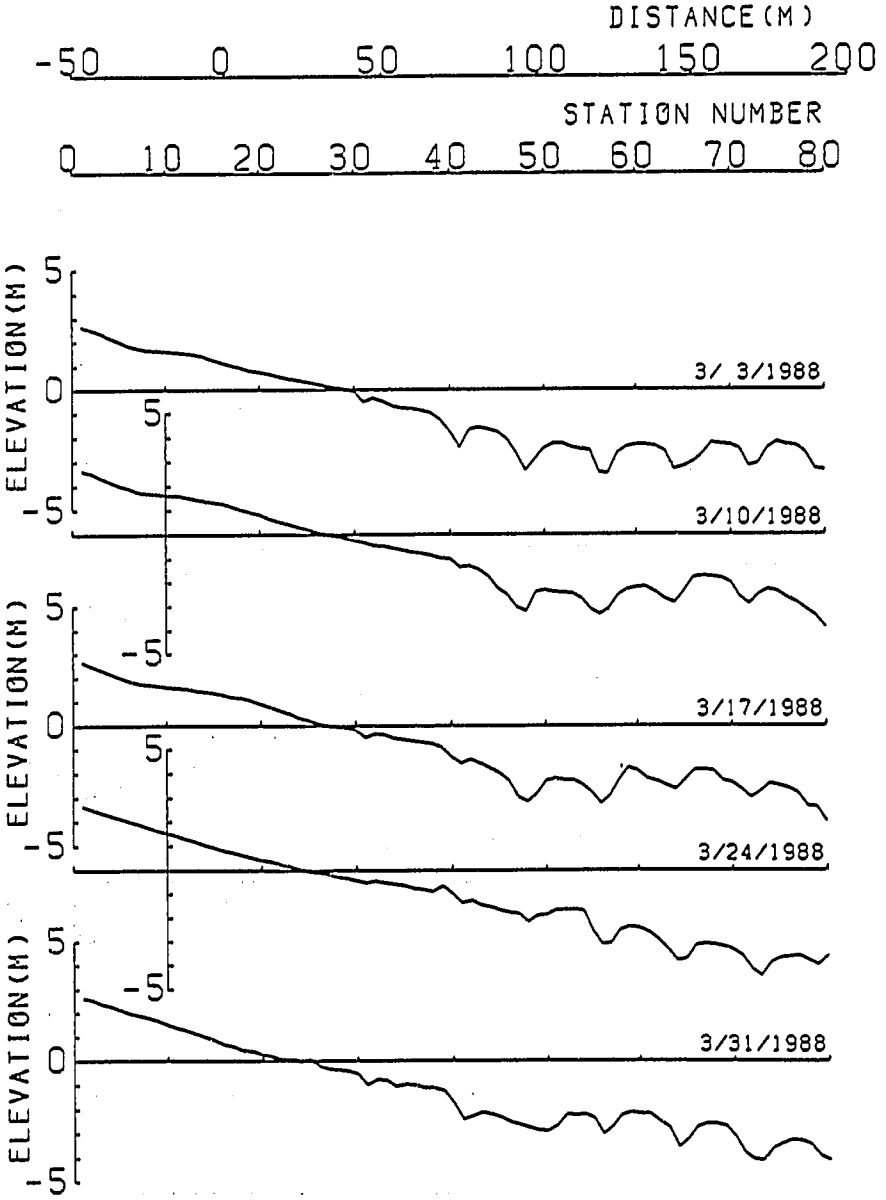

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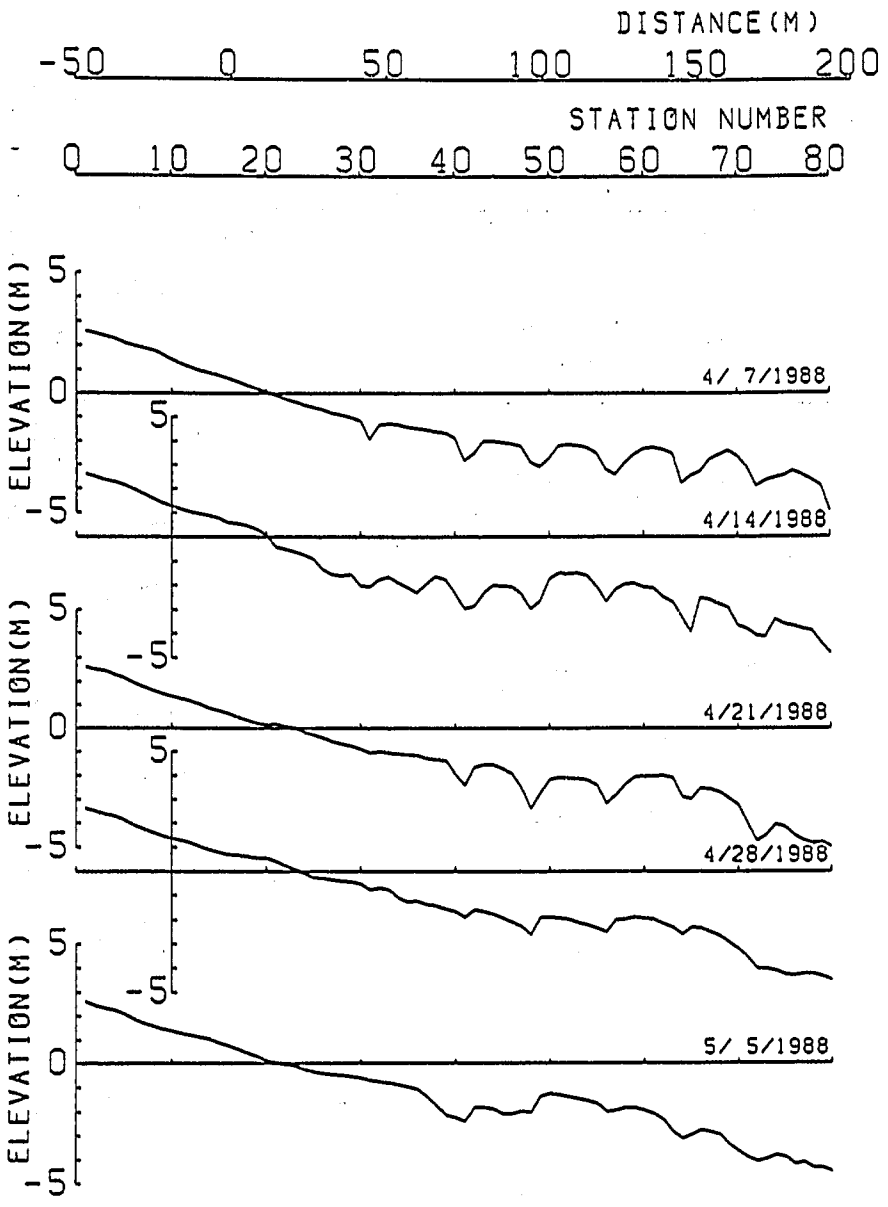

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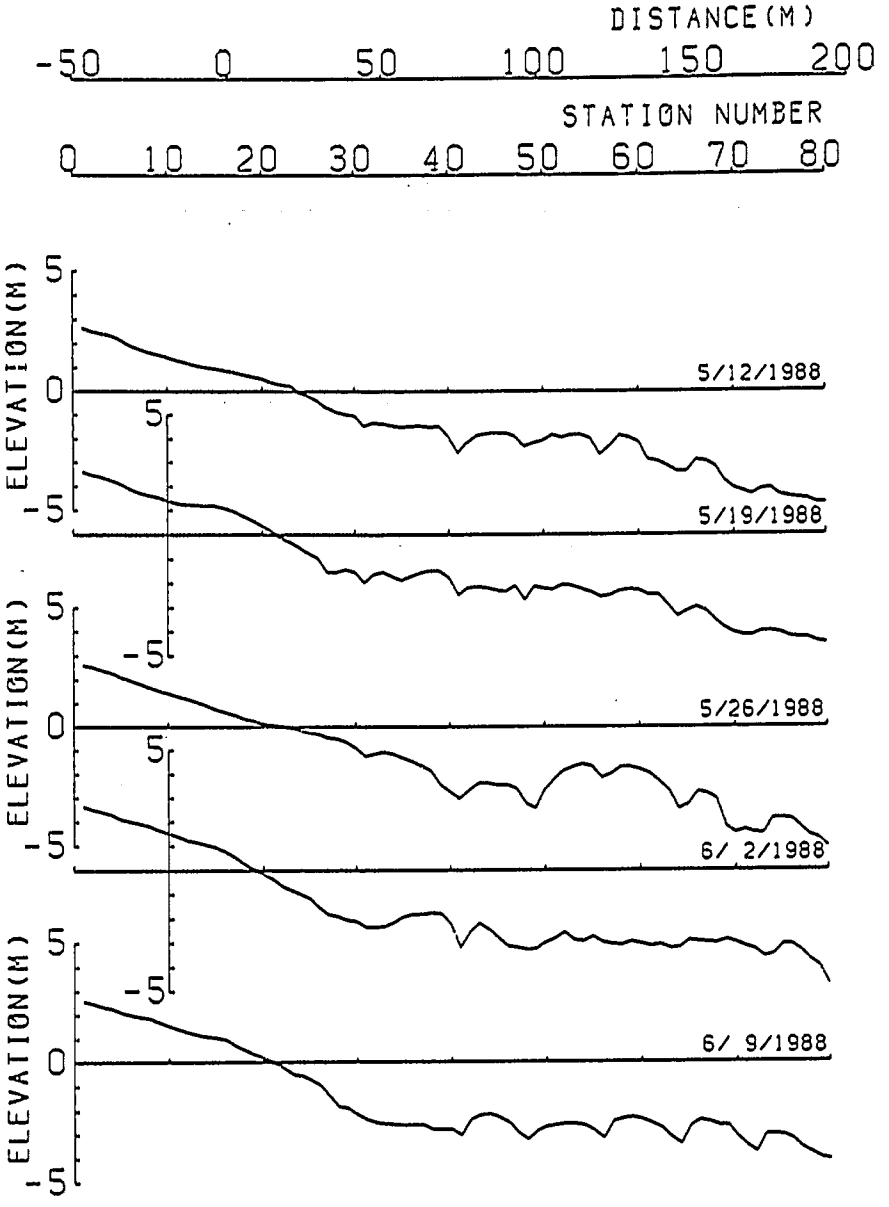

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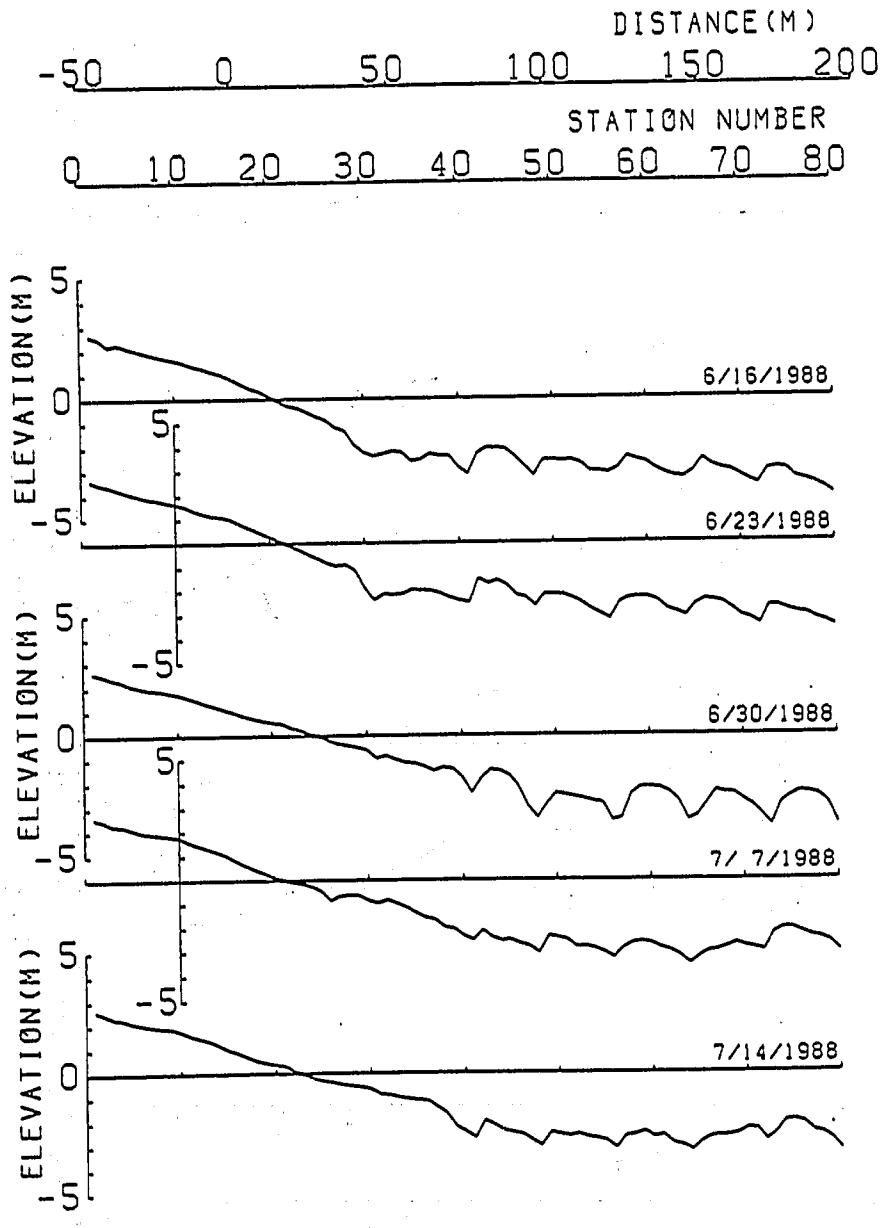

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1/21/1988

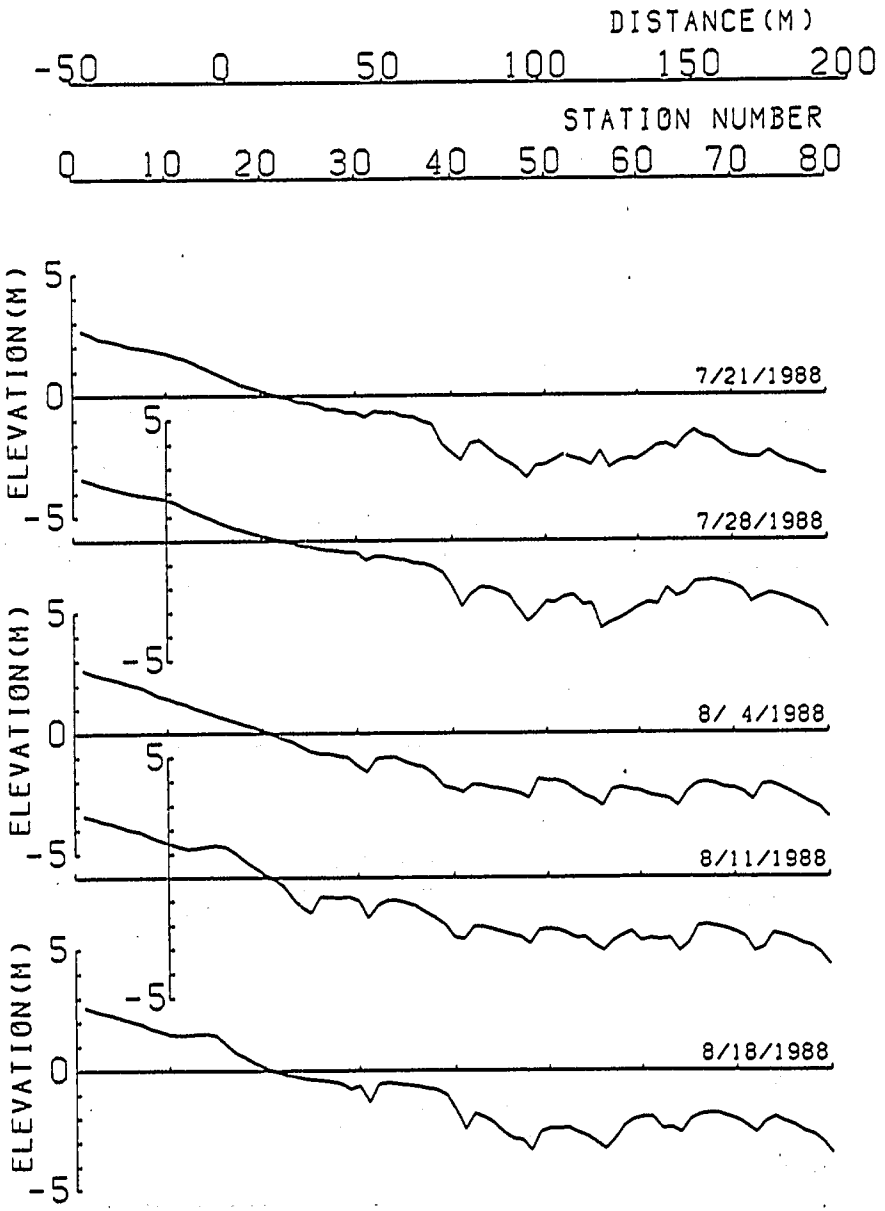

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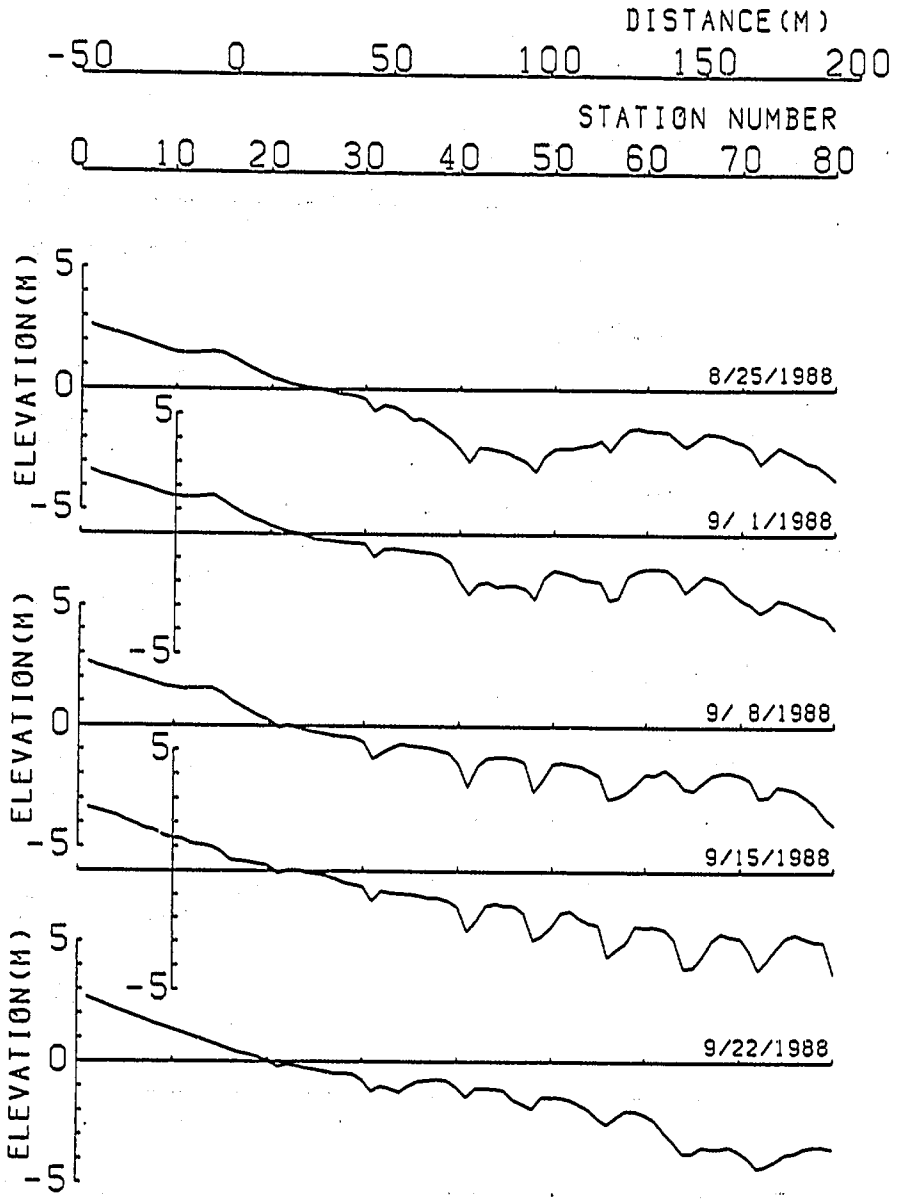

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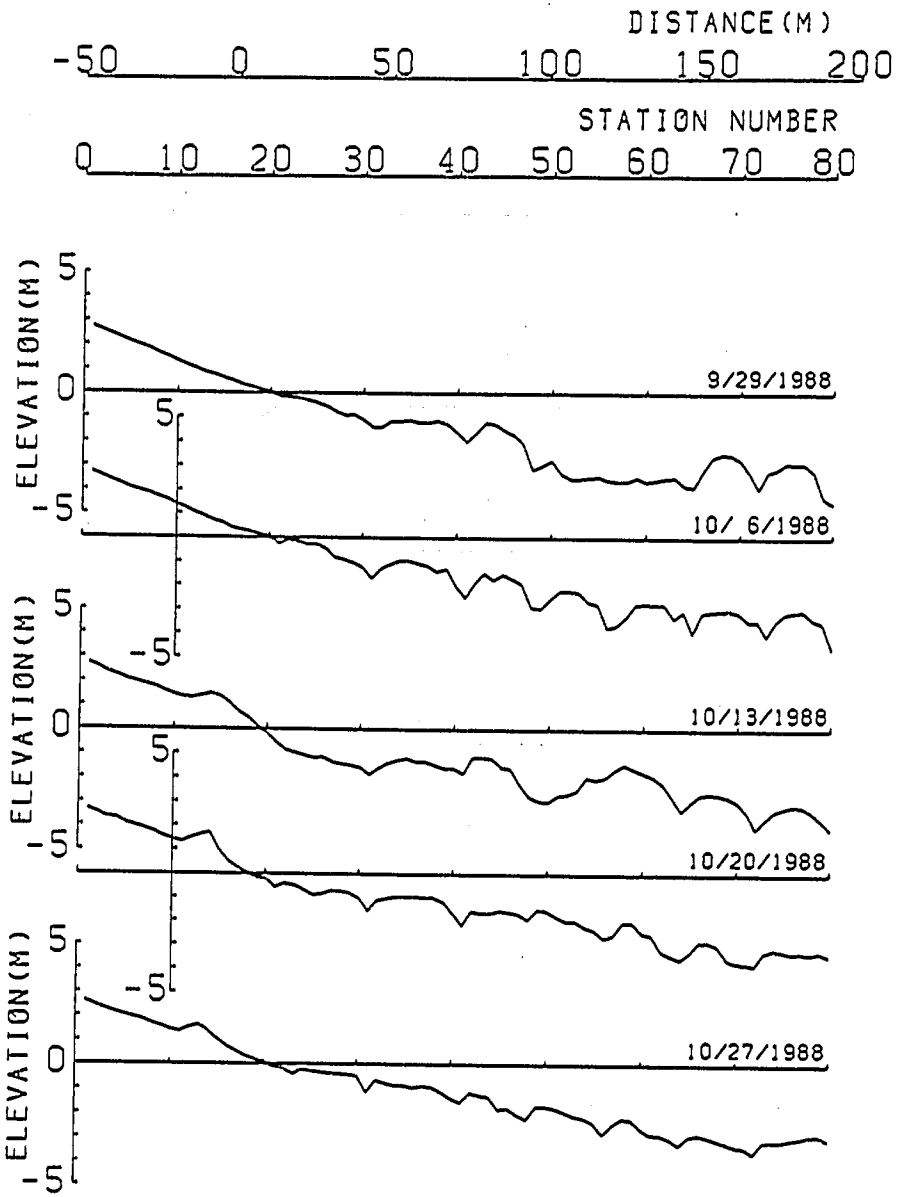

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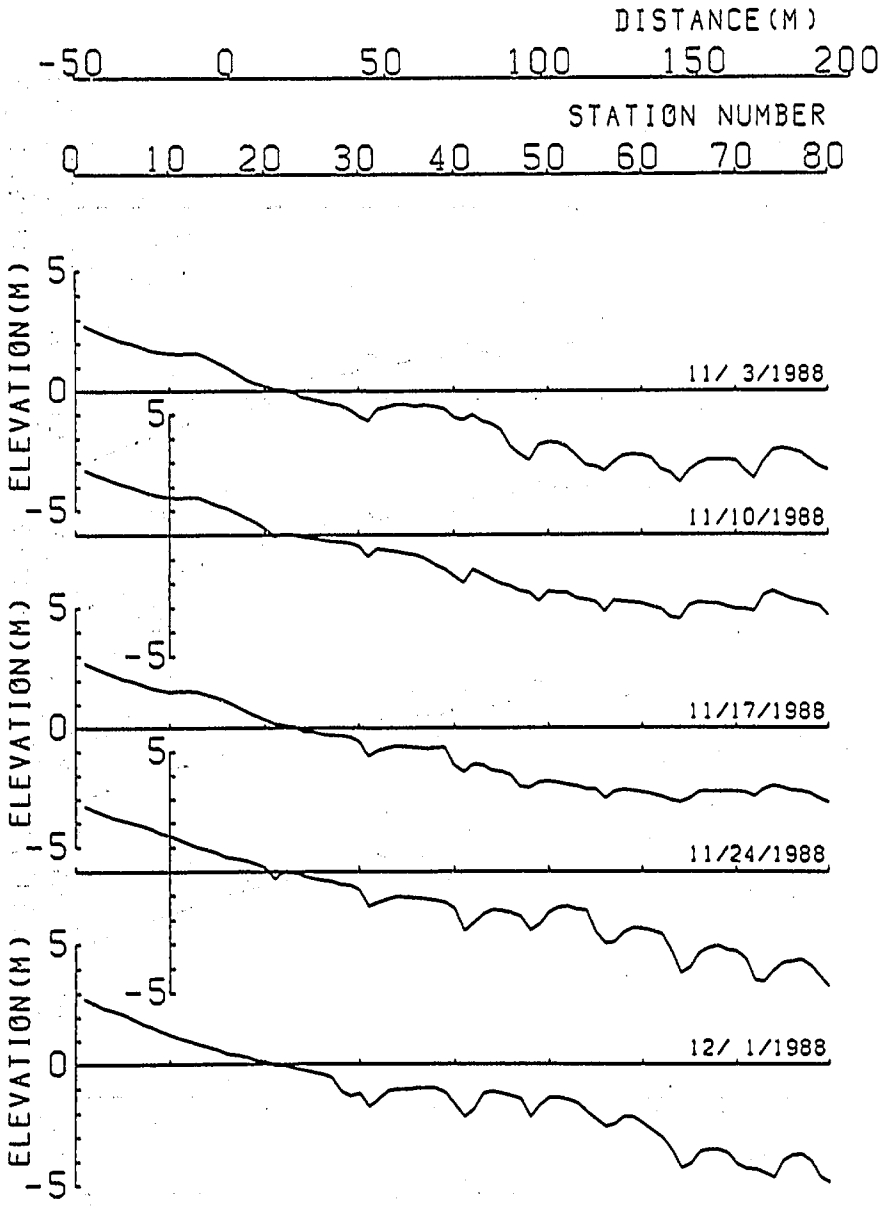

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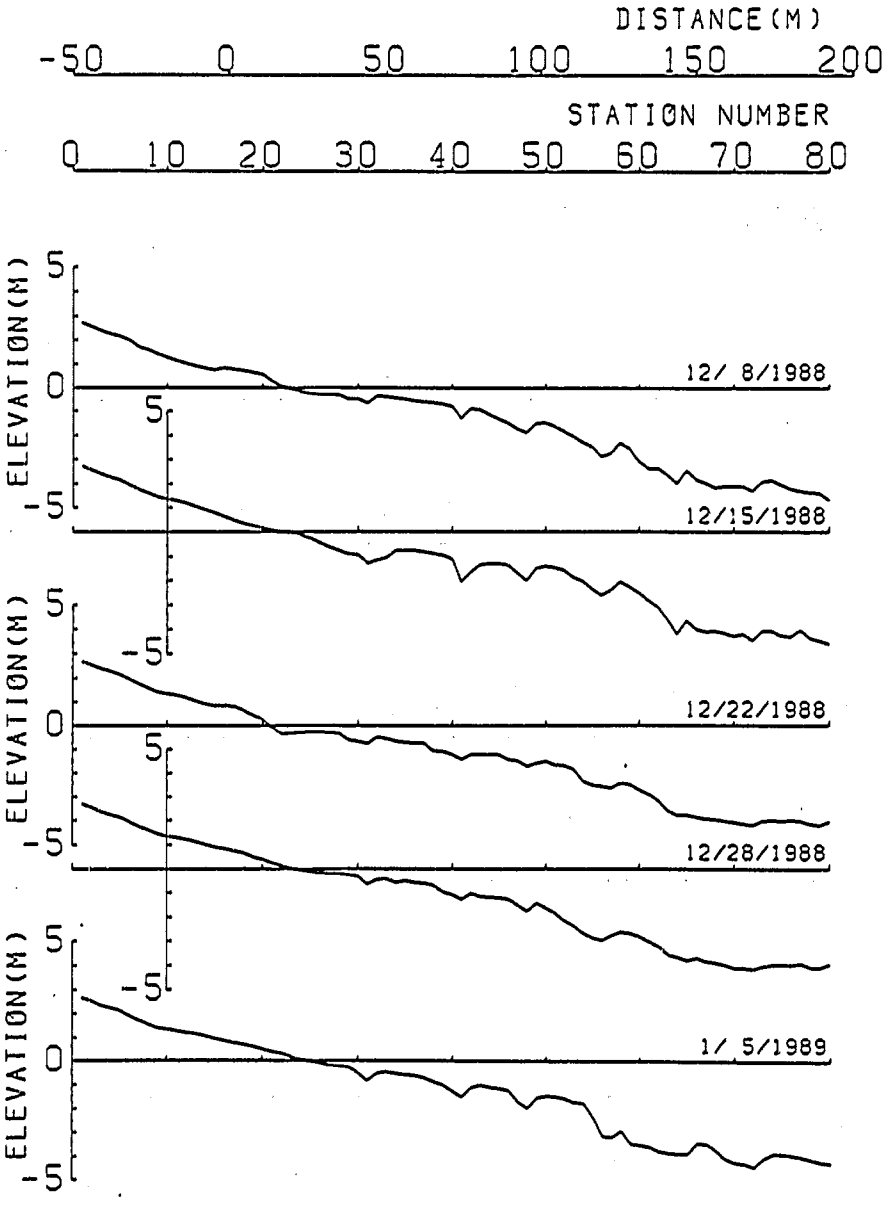

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7/14/1988

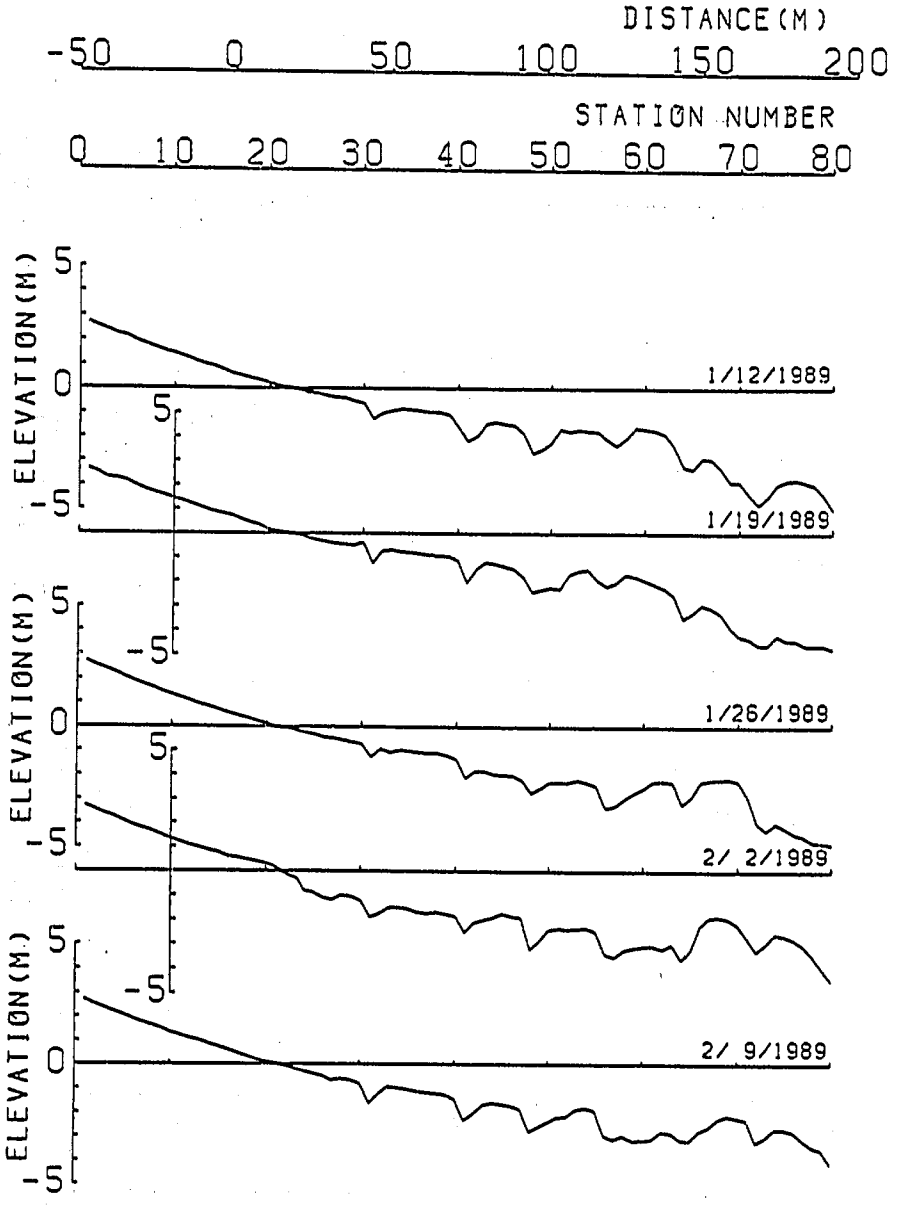

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8/11/1988
8/18/1988

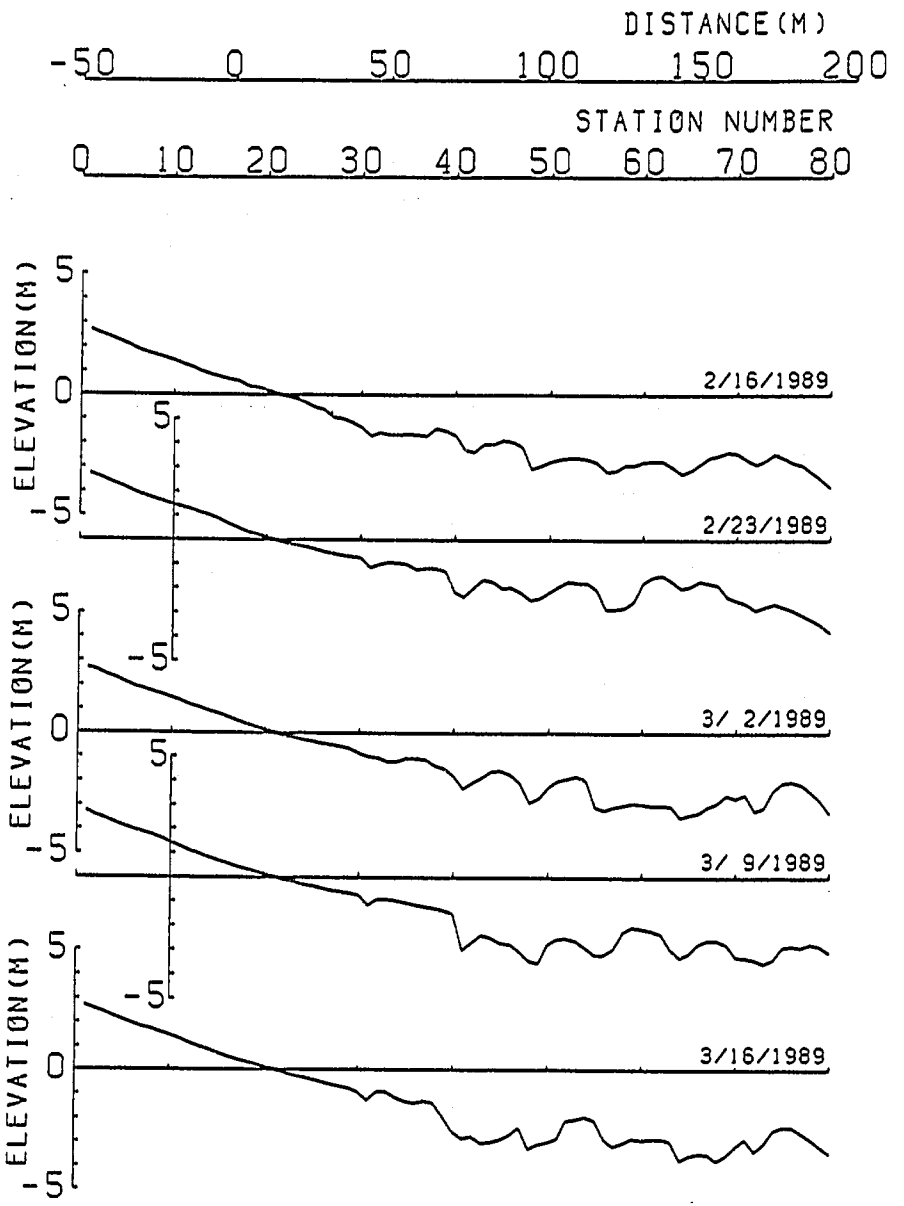

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8/25/1988
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9/15/1988
9/22/1988

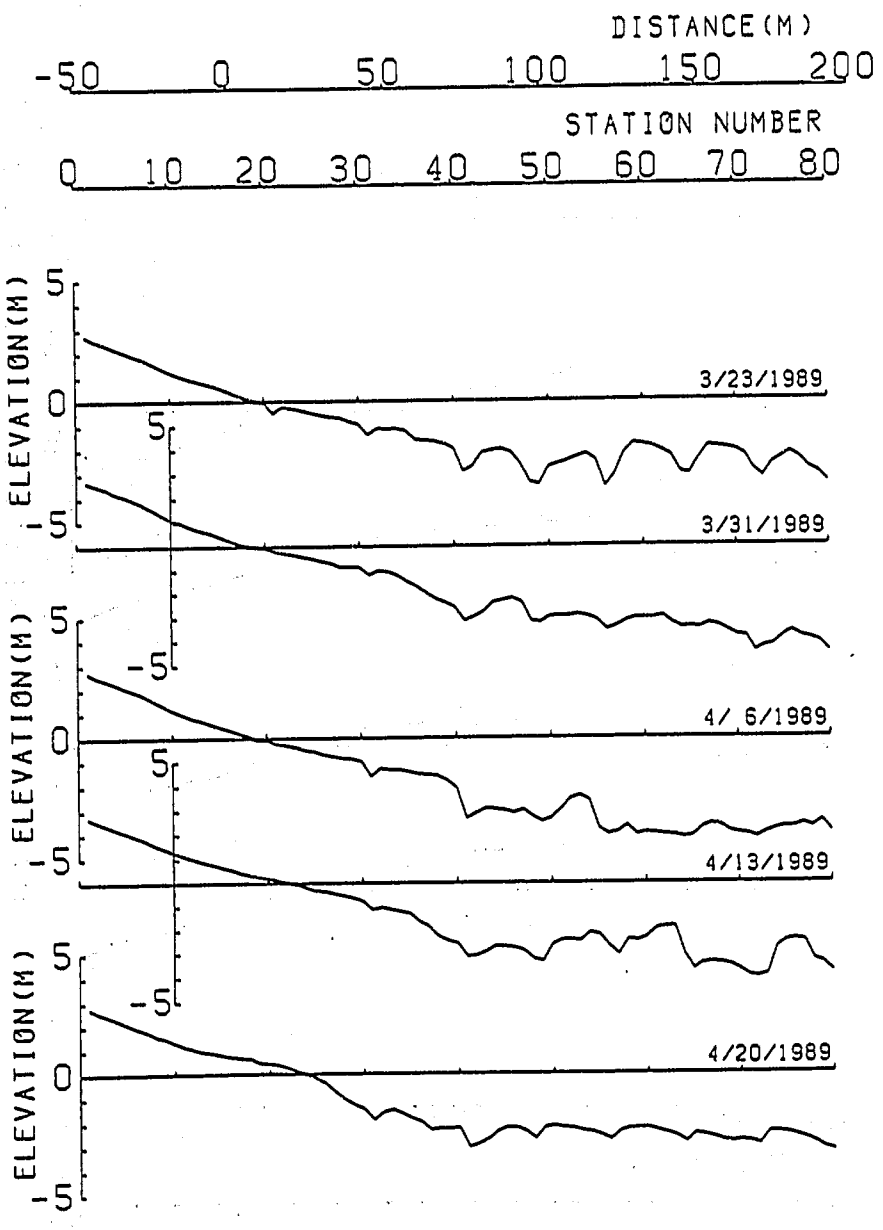

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10/27/1988

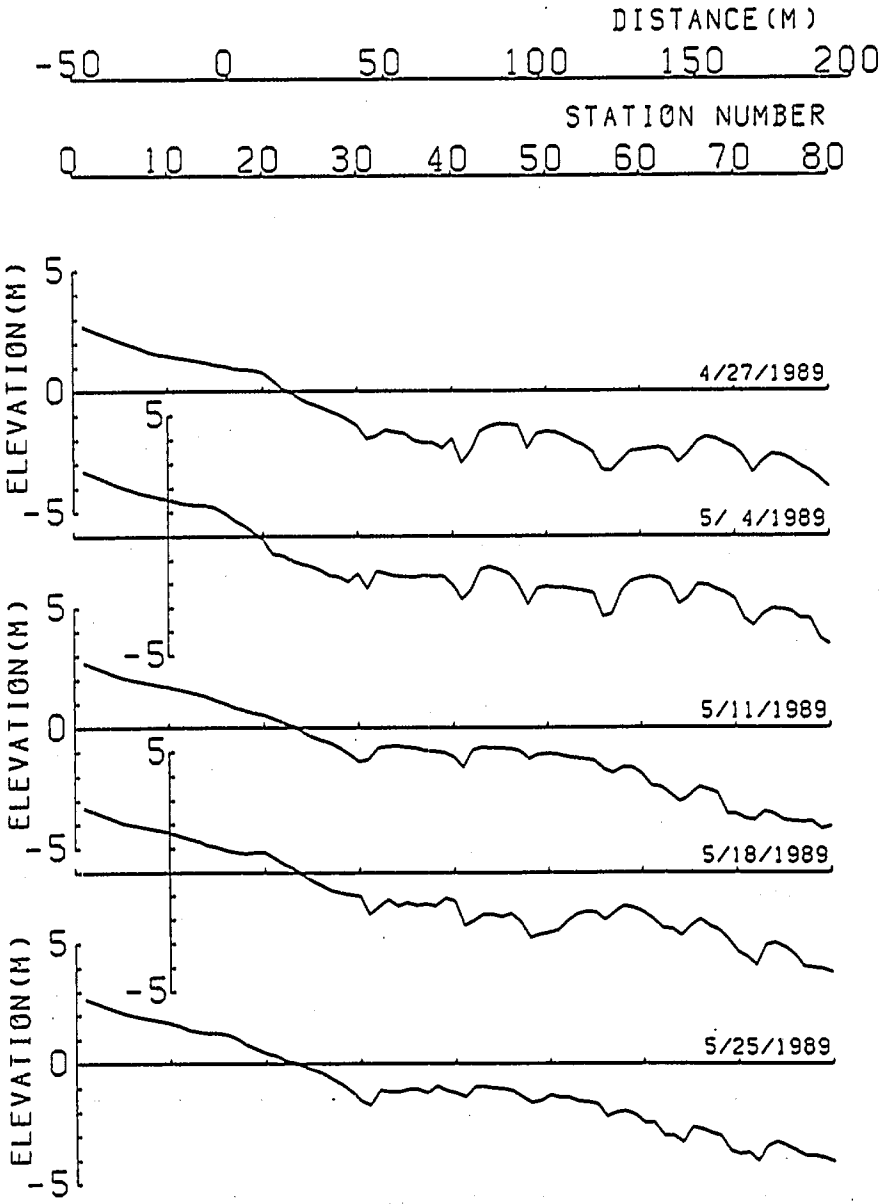

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12/ 1/1988

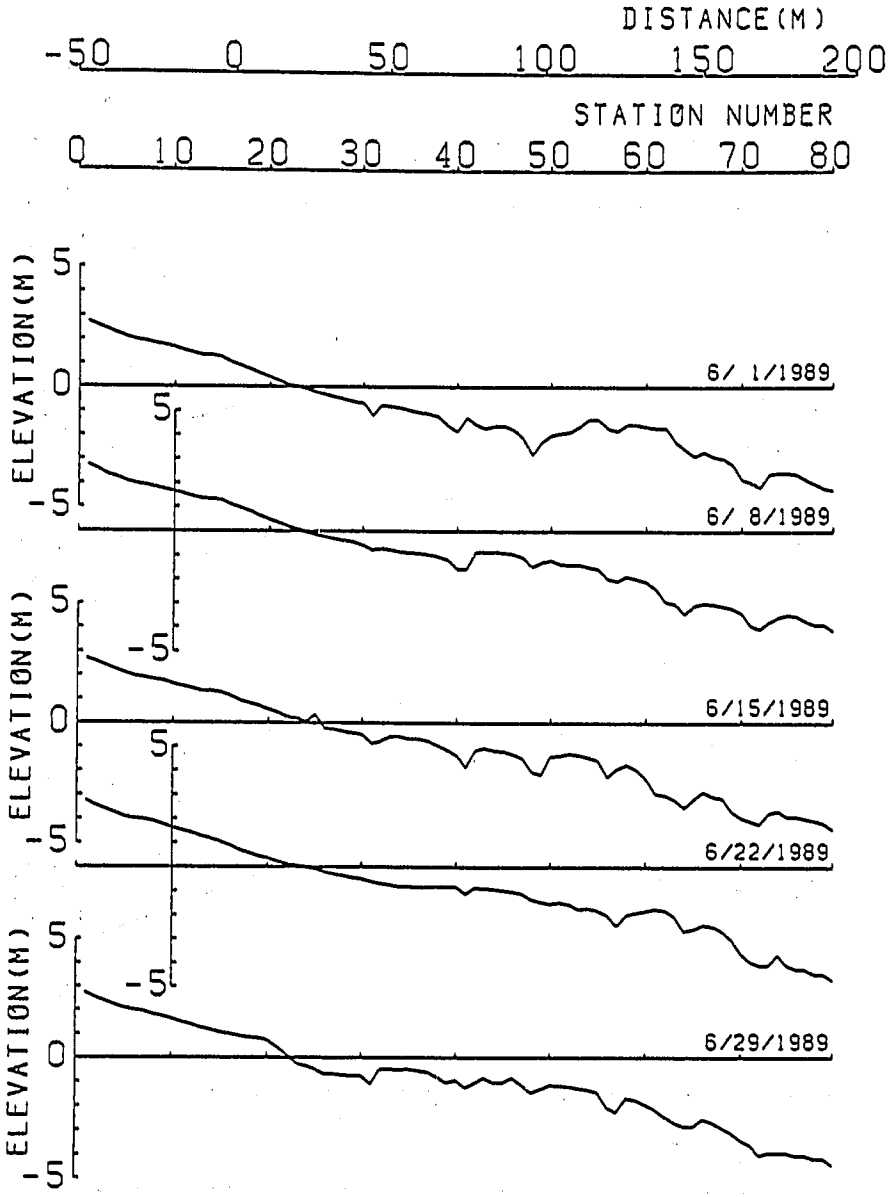

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STATION NUMBER
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12/15/1988
12/22/1988
12/28/1988
1/ 5/1989

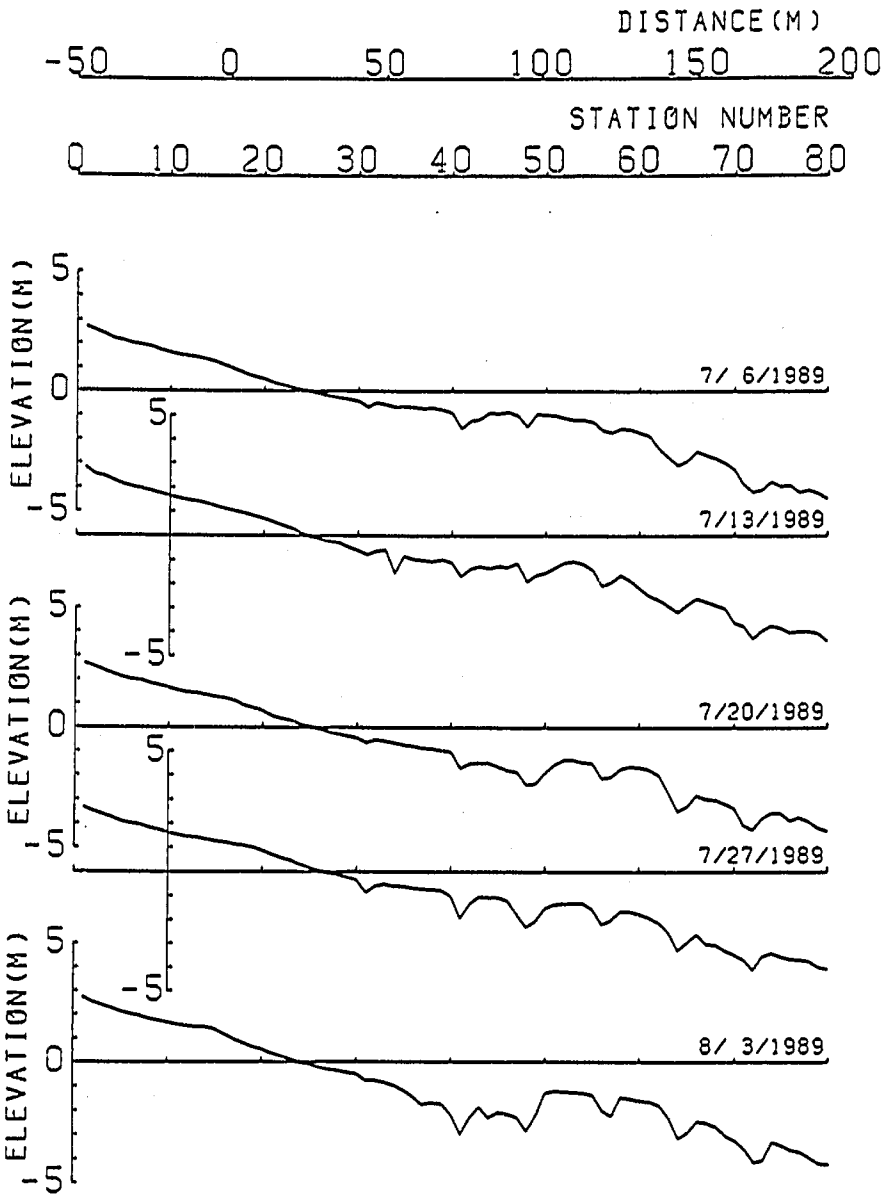

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STATION NUMBER
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1/12/1989
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2/ 2/1989
2/ 9/1989

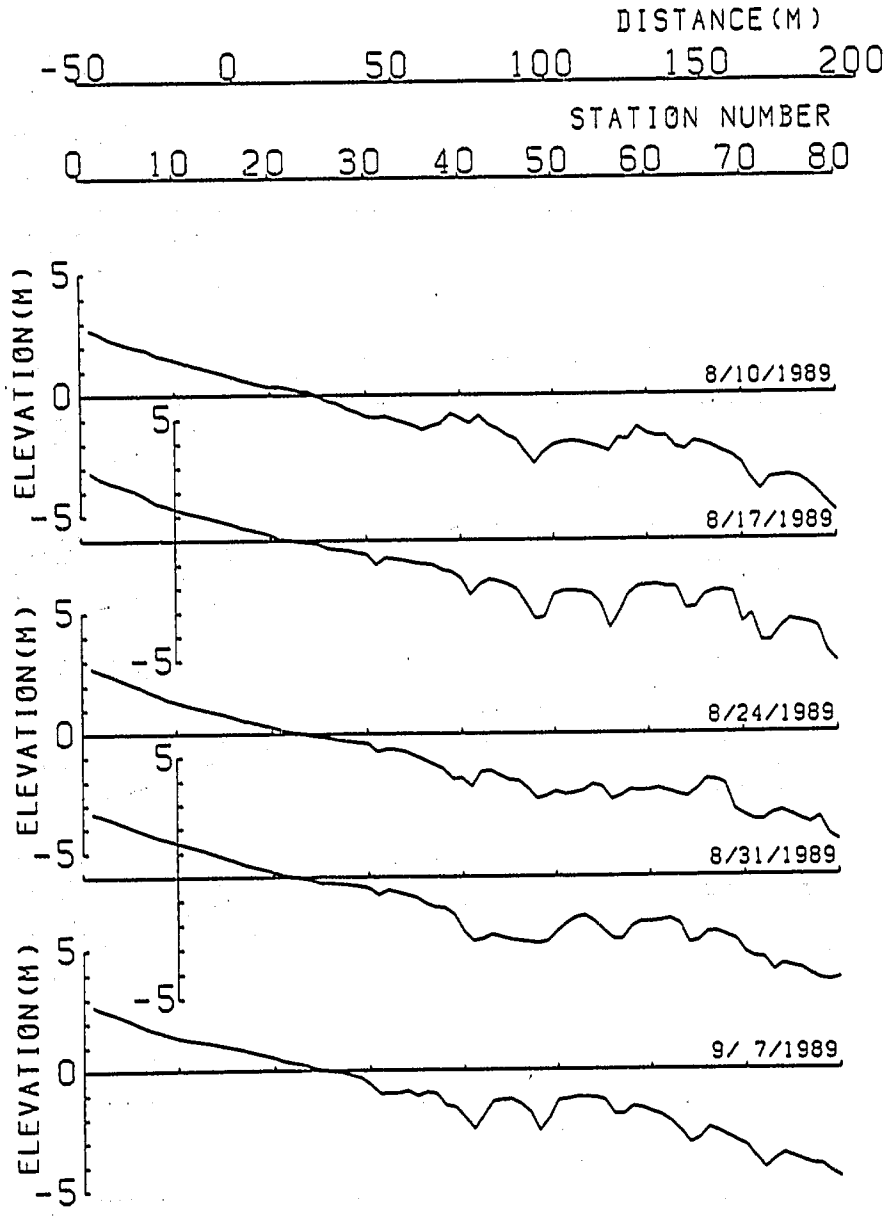

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STATION NUMBER
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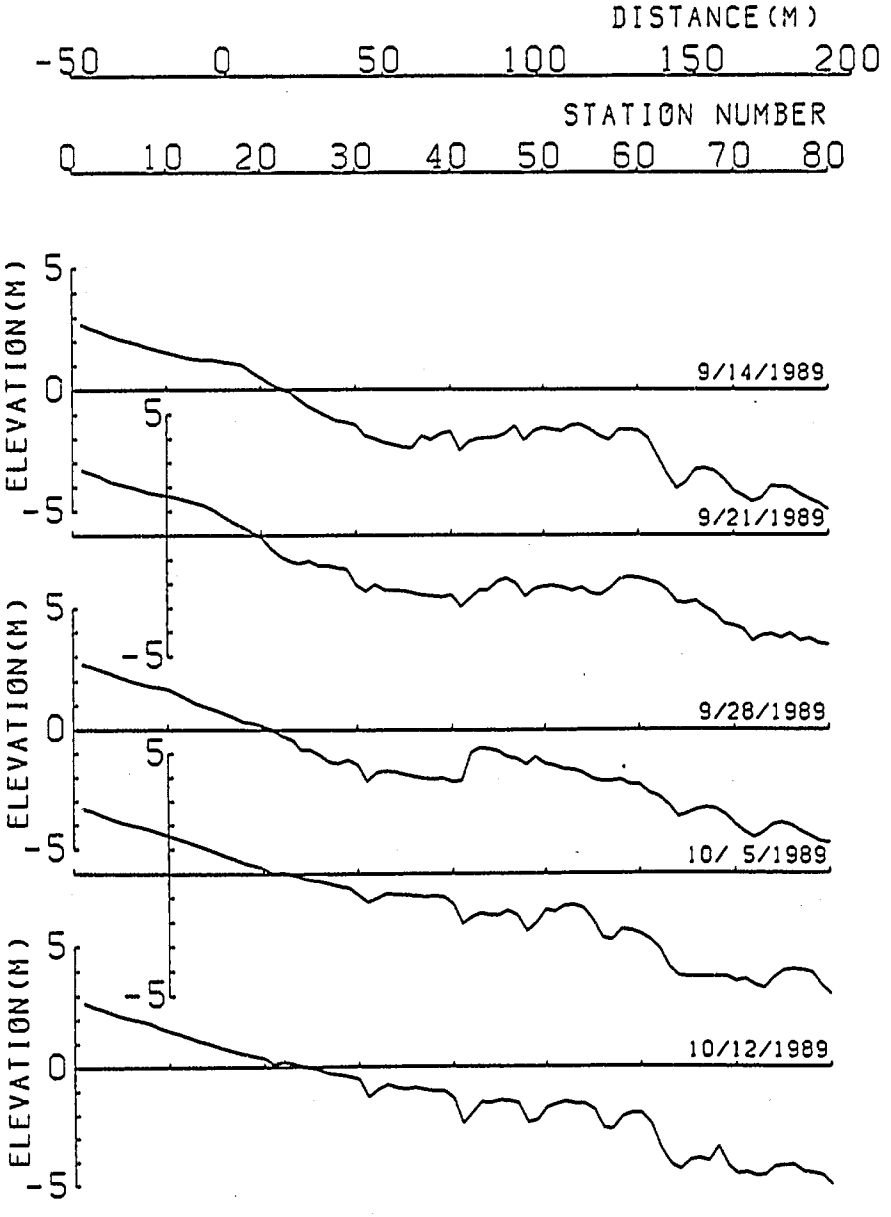

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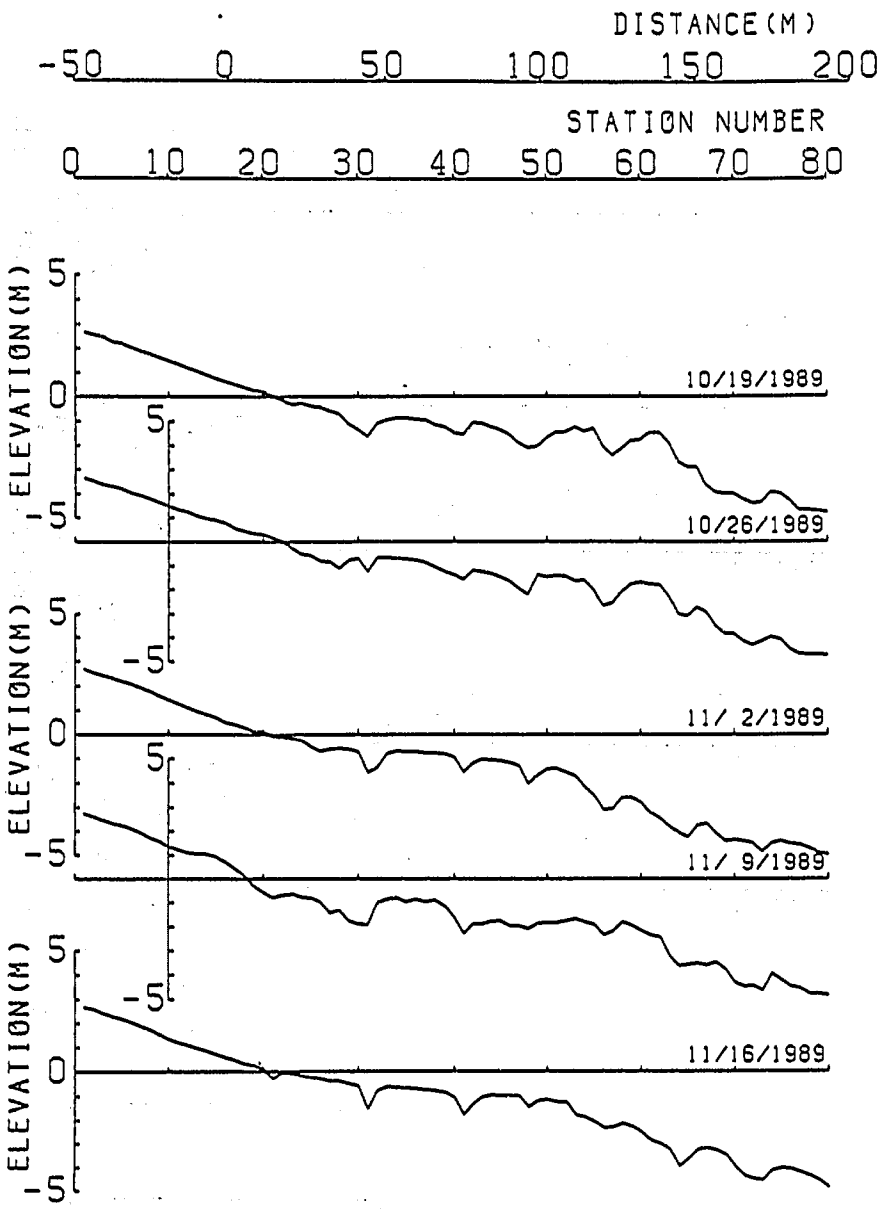

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4/27/1989
5/ 4/1989
5/11/1989
5/18/1989
5/25/1989

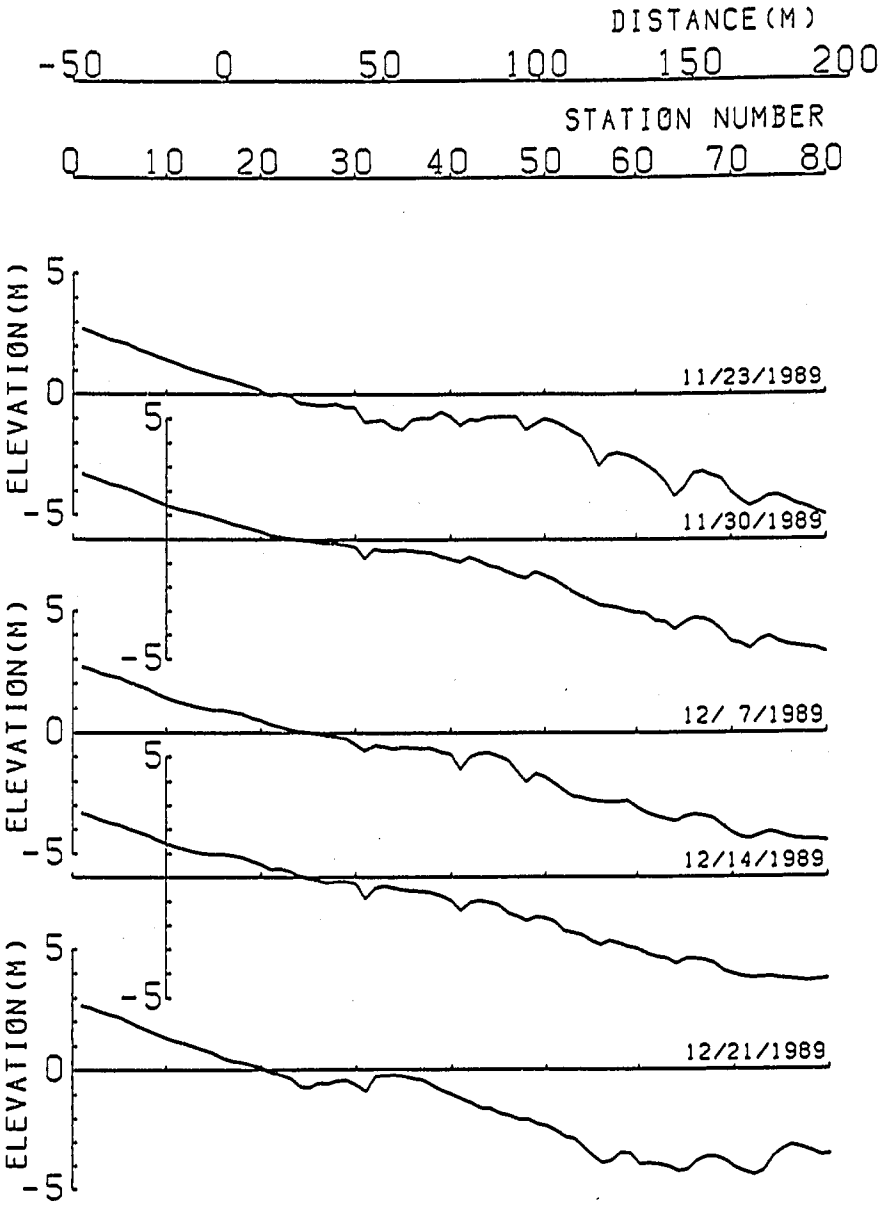

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6/ 1/1989
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6/22/1989
6/29/1989

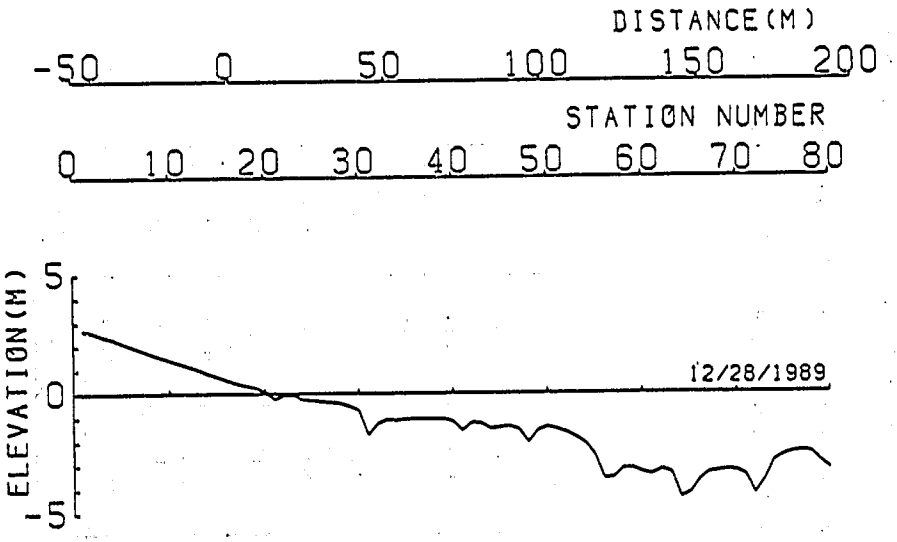

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7/ 6/1989
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7/27/1989
8/ 3/1989


DISTANCE(M)
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STATION NUMBER
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ELEVATION(M)
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8/10/1989
8/17/1989
8/24/1989
8/31/1989
9/ 7/1989


DISTANCE(M)
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STATION NUMBER
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10/ 5/1989
10/12/1989


DISTANCE(M)
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STATION NUMBER
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ELEVATION(M)
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11/16/1989


DISTANCE(M)
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STATION NUMBER
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11/23/1989
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12/ 7/1989
12/14/1989
12/21/1989


DISTANCE(M)
-50
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50
100
150
200
STATION NUMBER
0
10
20
30
40
50
60
70
80
ELEVATION(M)
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-5
12/28/1989

3.2 Summarized Data of Beach Surveys around Ajigaura Pier

Tables in the following pages show the raw data of the beach survey having been conducted once a week. Data obtained in four weeks are summarized in one page. Each table is separated into two parts, and No. 1 through No. 80 in the upper part express data of the soundings from the pier and the beach survey on the ground along the pier. Station No. 1 locates at the shoreward end of the pier and station No. 80 at the offshore end. The beach profile drawn from these values was shown in the previous chapter.

No. 1 through No. 20 in the lower part of the tables express the results of the beach survey in the longshore direction, and the locations of the stations are shown in Fig. 2. Station No. 1 through No. 10 locate on the south side of the pier, and station No. 11 through No. 20 on the north side. Both station No. 1 and No. 11 are 10 meters apart from the pier.

Sometimes there were the cases that it was impossible to perform surveys along the survey line because of high wave run-up. In such cases measurement of the longshore beach profile was performed at station No. 16, where is 15 meters landward from the usual survey line. The dates with such a condition are summarized in Table 1. Since the new survey line locates 15 meters landward comparing with the usual survey line. It is difficult to compare the results directly with the other data obtained in calm wave conditions. Approximate values along the usual survey lines can be obtained from these elevations along the new survey line, if the difference of the ground level between No. 16 and No. 21, where two survey lines in the traverse direction to the pier locate, is calculated, and it is subtracted from the ground elevations along the new survey line.

Table 1

Year	1985	1986		1987	1988	1989
	2/21	1/23	10/9	1/6	3/31	2/2
MONTH/day	5/30	2/20	10/16	1/18	4/14	9/21
	6/13	3/6	10/30	2/5	9/15	10/12
	10/24	3/13	11/3	2/12	9/22	10/26
	11/7	3/20	11/6	2/26	9/29	11/2
	11/14	6/5	11/17	3/12	10/6	11/9
	11/21	6/19	12/4	3/26	10/13	11/16
	12/12	9/18	12/18	10/1	10/20	11/23
		9/25	12/25	11/19	11/24	12/21
		10/2			12/1	12/28

1/ 4/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.36	41	-2.03	61	-3.00
2	2.37	22	0.30	42	-1.72	62	-3.40
3	2.21	23	0.20	43	-1.64	63	-4.00
4	2.13	24	0.06	44	-1.29	64	-4.14
5	1.99	25	-0.01	45	-1.22	65	-4.13
6	1.86	26	-0.20	46	-1.37	66	-4.21
7	1.72	27	-0.32	47	-1.50	67	-4.25
8	1.57	28	-0.42	48	-2.10	68	-4.27
9	1.46	29	-0.70	49	-1.90	69	-4.20
10	1.33	30	-0.79	50	-1.54	70	-4.27
11	1.16	31	-1.00	51	-1.34	71	-4.24
12	1.03	32	-0.83	52	-1.25	72	-4.48
13	0.90	33	-0.91	53	-1.30	73	-4.52
14	0.80	34	-1.08	54	-1.46	74	-4.60
15	0.75	35	-1.25	55	-2.15	75	-4.55
16	0.70	36	-1.07	56	-2.43	76	-4.40
17	0.65	37	-1.10	57	-2.50	77	-4.44
18	0.59	38	-1.17	58	-2.14	78	-4.45
19	0.53	39	-1.15	59	-2.30	79	-4.60
20	0.48	40	-1.40	60	-2.60	80	-4.50
1	0.33	6	0.24	11	0.35	16	0.38
2	0.29	7	0.27	12	0.39	17	0.43
3	0.28	8	0.20	13	0.37	18	0.43
4	0.26	9	0.32	14	0.35	19	0.38
5	0.24	10	0.33	15	0.37	20	0.33

1/10/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.20	41	-2.37	61	-3.10
2	2.45	22	0.04	42	-2.01	62	-3.91
3	2.26	23	-0.20	43	-1.64	63	-4.15
4	2.16	24	-0.65	44	-1.51	64	-4.16
5	2.05	25	-0.61	45	-1.38	65	-4.03
6	1.92	26	-0.60	46	-1.36	66	-4.25
7	1.75	27	-0.68	47	-1.50	67	-4.19
8	1.60	28	-0.78	48	-1.95	68	-4.14
9	1.46	29	-0.93	49	-1.49	69	-4.10
10	1.29	30	-1.22	50	-1.36	70	-4.27
11	1.16	31	-1.63	51	-1.72	71	-4.35
12	1.05	32	-1.82	52	-1.96	72	-4.36
13	1.05	33	-1.98	53	-1.98	73	-4.61
14	1.06	34	-1.84	54	-2.22	74	-4.26
15	1.11	35	-1.65	55	-2.51	75	-4.28
16	1.20	36	-1.72	56	-2.60	76	-4.41
17	1.18	37	-1.74	57	-2.47	77	-4.46
18	0.94	38	-1.61	58	-2.14	78	-4.36
19	0.66	39	-1.51	59	-2.51	79	-4.14
20	0.43	40	-1.70	60	-2.77	80	-4.17
1	0.24	6	0.34	11	0.12	16	0.16
2	0.29	7	0.36	12	0.15	17	0.10
3	0.34	8	0.30	13	0.18	18	0.06
4	0.38	9	0.25	14	0.23	19	0.14
5	0.37	10	0.26	15	0.21	20	0.06

1/17/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.48	41	-1.25	61	-3.90
2	2.45	22	0.24	42	-0.96	62	-3.91
3	2.28	23	-0.02	43	-1.06	63	-4.16
4	2.18	24	-0.42	44	-1.15	64	-4.18
5	2.07	25	-0.54	45	-1.36	65	-4.21
6	1.91	26	-0.60	46	-1.92	66	-4.27
7	1.78	27	-0.44	47	-2.01	67	-4.27
8	1.49	28	-0.40	48	-2.18	68	-4.29
9	1.46	29	-0.41	49	-1.92	69	-4.28
10	1.36	30	-0.62	50	-1.86	70	-4.30
11	1.30	31	-0.89	51	-2.00	71	-4.32
12	1.23	32	-0.40	52	-2.19	72	-4.33
13	1.13	33	-0.43	53	-2.44	73	-4.64
14	1.01	34	-0.44	54	-2.81	74	-4.48
15	0.88	35	-0.50	55	-3.04	75	-4.41
16	0.76	36	-0.55	56	-3.30	76	-4.11
17	0.62	37	-0.60	57	-3.24	77	-3.79
18	0.58	38	-0.61	58	-2.95	78	-3.80
19	0.74	39	-0.90	59	-3.16	79	-3.80
20	0.76	40	-1.18	60	-3.65	80	-3.71
1	0.45	6	0.47	11	0.34	16	0.24
2	0.46	7	0.46	12	0.32	17	0.27
3	0.47	8	0.46	13	0.33	18	0.24
4	0.46	9	0.40	14	0.30	19	0.29
5	0.46	10	0.36	15	0.26	20	0.31

1/24/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.19	41	-1.41	61	-3.83
2	2.44	22	0.11	42	-1.00	62	-3.99
3	2.26	23	0.04	43	-0.89	63	-4.18
4	2.15	24	-0.03	44	-0.80	64	-4.20
5	2.06	25	-0.09	45	-0.81	65	-4.44
6	1.89	26	-0.14	46	-0.91	66	-4.31
7	1.76	27	-0.21	47	-1.04	67	-4.38
8	1.61	28	-0.24	48	-1.42	68	-4.34
9	1.53	29	-0.32	49	-1.33	69	-4.31
10	1.44	30	-0.41	50	-1.27	70	-4.37
11	1.32	31	-0.85	51	-2.46	71	-4.22
12	1.22	32	-0.94	52	-2.70	72	-4.36
13	1.10	33	-0.73	53	-2.27	73	-4.42
14	0.99	34	-0.90	54	-2.86	74	-3.66
15	0.82	35	-0.71	55	-3.42	75	-3.21
16	0.78	36	-0.79	56	-3.77	76	-3.00
17	0.66	37	-0.76	57	-3.80	77	-2.85
18	0.52	38	-0.72	58	-3.63	78	-2.87
19	0.39	39	-0.73	59	-3.82	79	-3.11
20	0.30	40	-0.87	60	-3.86	80	-3.82
1	0.17	6	0.23	11	0.16	16	0.11
2	0.24	7	0.25	12	0.17	17	0.13
3	0.26	8	0.25	13	0.17	18	0.14
4	0.23	9	0.28	14	0.19	19	0.16
5	0.22	10	0.26	15	0.13	20	0.14

1/31/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.15	41	-1.56	61	-3.90
2	2.45	22	0.09	42	-1.53	62	-3.91
3	2.29	23	0.0	43	-1.22	63	-3.96
4	2.14	24	-0.07	44	-1.16	64	-4.22
5	2.08	25	-0.16	45	-1.11	65	-4.21
6	1.89	26	-0.24	46	-1.11	66	-4.05
7	1.76	27	-0.44	47	-1.18	67	-4.05
8	1.63	28	-0.40	48	-1.83	68	-4.06
9	1.52	29	-0.71	49	-1.48	69	-3.98
10	1.44	30	-0.51	50	-1.34	70	-3.84
11	1.35	31	-1.10	51	-1.44	71	-3.80
12	1.25	32	-0.84	52	-1.85	72	-3.92
13	1.14	33	-0.64	53	-1.86	73	-3.11
14	1.06	34	-0.73	54	-2.19	74	-2.61
15	0.91	35	-0.73	55	-2.70	75	-2.53
16	0.79	36	-0.72	56	-3.64	76	-2.55
17	0.68	37	-0.73	57	-3.43	77	-2.66
18	0.53	38	-0.74	58	-3.23	78	-3.05
19	0.42	39	-0.86	59	-3.84	79	-3.20
20	0.28	40	-0.91	60	-3.79	80	-3.51
1	0.13	6	0.30	11	0.15	16	0.20
2	0.13	7	0.30	12	0.22	17	0.21
3	0.17	8	0.26	13	0.22	18	0.22
4	0.25	9	0.23	14	0.23	19	0.20
5	0.29	10	0.21	15	0.23	20	0.14

2/14/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.13	41	-1.64	61	-3.86
2	2.46	22	0.0	42	-1.17	62	-3.90
3	2.30	23	-0.25	43	-0.95	63	-3.97
4	2.17	24	-0.38	44	-0.90	64	-4.31
5	2.02	25	-0.53	45	-0.93	65	-4.13
6	1.92	26	-0.64	46	-1.03	66	-3.62
7	1.79	27	-0.82	47	-1.87	67	-3.58
8	1.60	28	-0.85	48	-1.92	68	-3.65
9	1.46	29	-0.83	49	-1.81	69	-4.06
10	1.32	30	-0.93	50	-1.56	70	-4.11
11	1.20	31	-1.48	51	-1.75	71	-4.19
12	1.06	32	-0.73	52	-1.82	72	-4.41
13	0.94	33	-0.52	53	-2.30	73	-4.04
14	0.84	34	-0.57	54	-3.22	74	-3.54
15	0.71	35	-0.61	55	-3.42	75	-3.46
16	0.66	36	-0.66	56	-3.51	76	-3.50
17	0.54	37	-0.71	57	-3.51	77	-3.55
18	0.47	38	-0.79	58	-3.00	78	-3.68
19	0.38	39	-0.91	59	-3.31	79	-3.72
20	0.25	40	-1.26	60	-3.58	80	-3.73
1	0.06	6	0.17	11	0.05	16	0.03
2	0.07	7	0.12	12	0.07	17	0.02
3	0.07	8	0.09	13	0.02	18	0.03
4	0.19	9	0.03	14	0.01	19	0.05
5	0.08	10	0.0	15	0.02	20	0.11

2/ 7/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.24	41	-1.56	61	-3.65
2	2.43	22	0.16	42	-0.93	62	-3.96
3	2.29	23	0.05	43	-0.78	63	-4.03
4	2.18	24	-0.02	44	-0.83	64	-4.25
5	2.06	25	-0.08	45	-0.84	65	-4.20
6	1.90	26	-0.17	46	-0.91	66	-4.21
7	1.75	27	-0.27	47	-1.04	67	-3.90
8	1.61	28	-0.34	48	-1.60	68	-3.73
9	1.48	29	-0.42	49	-1.45	69	-3.64
10	1.43	30	-0.51	50	-1.34	70	-3.34
11	1.34	31	-1.40	51	-1.47	71	-3.58
12	1.26	32	-0.73	52	-1.65	72	-3.82
13	1.19	33	-0.59	53	-1.81	73	-3.07
14	1.08	34	-0.59	54	-2.03	74	-2.57
15	0.96	35	-0.62	55	-2.56	75	-2.50
16	0.84	36	-0.63	56	-3.57	76	-2.51
17	0.73	37	-0.71	57	-3.64	77	-2.63
18	0.60	38	-0.69	58	-3.25	78	-2.66
19	0.50	39	-0.72	59	-3.33	79	-3.13
20	0.36	40	-0.88	60	-3.57	80	-3.19
1	0.22	6	0.25	11	0.21	16	0.25
2	0.23	7	0.25	12	0.26	17	0.21
3	0.26	8	0.28	13	0.28	18	0.23
4	0.22	9	0.25	14	0.26	19	0.21
5	0.26	10	0.28	15	0.25	20	0.19

2/21/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	-0.14	41	-2.64	61	-3.25
2	2.38	22	-0.04	42	-2.23	62	-3.30
3	2.23	23	-0.10	43	-1.85	63	-3.73
4	2.06	24	-0.20	44	-1.75	64	-4.10
5	1.94	25	-0.25	45	-1.75	65	-4.30
6	1.77	26	-0.40	46	-1.90	66	-4.00
7	1.60	27	-0.44	47	-2.15	67	-3.75
8	1.47	28	-0.55	48	-2.65	68	-3.75
9	1.35	29	-0.55	49	-2.70	69	-3.50
10	1.24	30	-0.70	50	-2.24	70	-4.67
11	1.09	31	-1.38	51	-2.00	71	-4.70
12	0.96	32	-1.05	52	-2.03	72	-4.60
13	0.82	33	-1.22	53	-1.90	73	-4.50
14	0.69	34	-1.10	54	-1.94	74	-4.50
15	0.53	35	-1.09	55	-2.23	75	-4.11
16	0.45	36	-1.15	56	-2.70	76	-3.90
17	0.40	37	-1.20	57	-3.30	77	-3.70
18	0.33	38	-1.25	58	-3.13	78	-3.90
19	0.23	39	-1.40	59	-3.04	79	-4.20
20	0.14	40	-1.67	60	-2.90	80	-4.30
1	0.49	6	0.65	11	0.47	16	0.61
2	0.54	7	0.64	12	0.48	17	0.71
3	0.69	8	0.66	13	0.50	18	0.69
4	0.73	9	0.62	14	0.55	19	0.60
5	0.69	10	0.65	15	0.64	20	0.50

2/28/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	-0.27	41	-1.60	61	-3.03
2	2.34	22	-0.86	42	-1.61	62	-3.48
3	2.18	23	-1.20	43	-1.40	63	-3.97
4	2.03	24	-0.96	44	-1.12	64	-4.05
5	1.86	25	-0.83	45	-1.25	65	-3.90
6	1.69	26	-0.85	46	-1.32	66	-3.64
7	1.54	27	-0.85	47	-1.80	67	-3.70
8	1.38	28	-0.81	48	-2.13	68	-3.88
9	1.27	29	-0.90	49	-1.76	69	-3.95
10	1.19	30	-1.24	50	-1.60	70	-4.01
11	1.14	31	-1.28	51	-1.75	71	-4.11
12	1.15	32	-0.90	52	-1.97	72	-4.28
13	1.17	33	-0.88	53	-2.11	73	-3.80
14	1.14	34	-1.00	54	-2.41	74	-3.51
15	0.97	35	-1.15	55	-3.09	75	-3.61
16	0.84	36	-0.97	56	-3.28	76	-3.58
17	0.61	37	-1.10	57	-3.20	77	-3.80
18	0.39	38	-1.10	58	-2.85	78	-3.90
19	0.19	39	-1.23	59	-2.80	79	-4.07
20	0.07	40	-1.50	60	-2.83	80	-4.09
1	-0.50	6	-0.59	11	-0.45	16	-0.18
2	-0.79	7	-0.47	12	-0.49	17	-0.34
3	-1.00	8	-0.44	13	-0.52	18	-0.44
4	-0.47	9	-0.12	14	-0.24	19	-0.30
5	-0.44	10	0.08	15	-0.15	20	-0.14

3/14/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	-0.02	41	-2.09	61	-2.27
2	2.45	22	-0.15	42	-1.90	62	-2.44
3	2.20	23	-0.23	43	-1.96	63	-2.73
4	2.06	24	-0.32	44	-2.00	64	-3.28
5	1.90	25	-0.43	45	-2.02	65	-3.11
6	1.75	26	-0.50	46	-2.46	66	-2.87
7	1.62	27	-0.53	47	-2.55	67	-2.62
8	1.54	28	-0.61	48	-3.11	68	-2.72
9	1.49	29	-0.72	49	-3.07	69	-3.16
10	1.37	30	-0.78	50	-2.70	70	-3.37
11	1.21	31	-1.05	51	-2.68	71	-4.05
12	1.09	32	-1.00	52	-2.66	72	-4.18
13	0.95	33	-1.06	53	-2.74	73	-3.70
14	0.81	34	-1.07	54	-2.87	74	-3.72
15	0.67	35	-1.11	55	-2.92	75	-3.72
16	0.53	36	-1.24	56	-3.28	76	-3.58
17	0.40	37	-1.30	57	-3.03	77	-3.62
18	0.29	38	-1.41	58	-3.30	78	-3.86
19	0.14	39	-1.61	59	-2.02	79	-4.02
20	0.08	40	-1.80	60	-2.07	80	-4.48
1	-0.07	6	-0.14	11	-0.02	16	-0.07
2	-0.06	7	-0.13	12	-0.05	17	-0.03
3	-0.08	8	-0.11	13	-0.09	18	-0.01
4	-0.10	9	-0.09	14	-0.11	19	0.01
5	-0.13	10	-0.05	15	-0.14	20	0.04

3/ 7/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.03	41	-1.91	61	-2.10
2	2.30	22	-0.07	42	-1.36	62	-2.40
3	2.14	23	-0.18	43	-1.50	63	-2.68
4	1.97	24	-0.27	44	-1.58	64	-3.19
5	1.82	25	-0.41	45	-1.80	65	-2.62
6	1.67	26	-0.54	46	-2.25	66	-2.38
7	1.57	27	-0.65	47	-2.40	67	-2.40
8	1.37	28	-0.80	48	-2.70	68	-2.50
9	1.40	29	-1.04	49	-2.36	69	-2.64
10	1.29	30	-1.22	50	-2.04	70	-2.88
11	1.18	31	-1.42	51	-2.19	71	-3.30
12	1.04	32	-1.38	52	-2.59	72	-3.73
13	0.92	33	-1.55	53	-2.50	73	-3.12
14	0.80	34	-1.61	54	-2.80	74	-3.94
15	0.66	35	-1.55	55	-3.00	75	-3.00
16	0.59	36	-1.51	56	-3.81	76	-3.11
17	0.45	37	-1.20	57	-3.40	77	-3.21
18	0.31	38	-1.04	58	-2.34	78	-3.34
19	0.22	39	-1.04	59	-2.15	79	-3.64
20	0.17	40	-1.41	60	-2.06	80	-4.11
1	-0.06	6	-0.16	11	-0.07	16	-0.14
2	-0.09	7	-0.24	12	-0.13	17	-0.12
3	-0.07	8	-0.39	13	-0.18	18	-0.10
4	-0.03	9	-0.41	14	-0.17	19	-0.03
5	-0.04	10	-0.43	15	-0.18	20	-0.02

3/21/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	0.28	41	-2.24	61	-2.15
2	2.35	22	-0.25	42	-1.49	62	-2.14
3	2.17	23	-0.51	43	-1.50	63	-3.00
4	2.05	24	-0.83	44	-1.74	64	-3.25
5	1.91	25	-1.02	45	-2.30	65	-3.00
6	1.74	26	-1.22	46	-2.43	66	-2.40
7	1.62	27	-1.40	47	-2.76	67	-2.33
8	1.54	28	-1.43	48	-2.15	68	-2.40
9	1.49	29	-1.40	49	-2.60	69	-2.55
10	1.38	30	-1.63	50	-2.50	70	-3.05
11	1.24	31	-1.74	51	-2.55	71	-3.20
12	1.11	32	-1.55	52	-2.63	72	-4.23
13	1.02	33	-1.20	53	-2.65	73	-3.70
14	0.92	34	-1.05	54	-2.75	74	-3.30
15	0.90	35	-1.05	55	-3.29	75	-3.23
16	0.98	36	-1.07	56	-3.83	76	-3.45
17	0.98	37	-1.06	57	-3.43	77	-3.60
18	0.86	38	-1.14	58	-2.65	78	-3.75
19	0.73	39	-1.30	59	-2.24	79	-4.00
20	0.60	40	-1.45	60	-2.15	80	-4.35
1	0.10	6	-0.10	11	0.01	16	0.14
2	0.10	7	-0.06	12	0.06	17	0.13
3	0.03	8	-0.04	13	0.12	18	0.20
4	-0.01	9	-0.03	14	0.17	19	0.10
5	-0.08	10	0.01	15	0.14	20	0.17

3/28/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.04	41	-2.46	61	-2.73
2	2.36	22	-0.08	42	-1.96	62	-2.78
3	2.19	23	-0.16	43	-1.85	63	-2.86
4	2.04	24	-0.30	44	-1.91	64	-3.38
5	1.89	25	-0.39	45	-2.11	65	-3.22
6	1.72	26	-0.50	46	-2.40	66	-2.47
7	1.62	27	-0.65	47	-3.06	67	-2.38
8	1.55	28	-0.77	48	-3.31	68	-2.36
9	1.49	29	-1.26	49	-1.93	69	-2.51
10	1.41	30	-1.41	50	-2.50	70	-2.74
11	1.28	31	-1.72	51	-2.51	71	-2.91
12	1.13	32	-1.61	52	-2.26	72	-3.66
13	0.99	33	-1.56	53	-2.76	73	-3.28
14	0.86	34	-1.16	54	-3.02	74	-2.81
15	0.73	35	-1.20	55	-3.16	75	-2.84
16	0.56	36	-1.31	56	-3.76	76	-2.86
17	0.44	37	-1.23	57	-3.78	77	-2.96
18	0.29	38	-1.30	58	-2.82	78	-3.16
19	0.23	39	-1.38	59	-2.68	79	-3.36
20	0.14	40	-2.04	60	-2.66	80	-3.92
1	0.05	6	0.31	11	-0.05	16	0.07
2	0.09	7	0.33	12	-0.04	17	0.08
3	0.16	8	0.33	13	-0.01	18	0.09
4	0.22	9	0.33	14	0.01	19	0.14
5	0.28	10	0.33	15	0.02	20	0.21

4/11/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	0.37	41	-2.66	61	-2.74
2	2.36	22	0.10	42	-2.36	62	-2.88
3	2.18	23	-0.20	43	-1.99	63	-3.26
4	2.05	24	-0.37	44	-1.65	64	-4.06
5	1.91	25	-0.56	45	-1.53	65	-3.61
6	1.81	26	-0.76	46	-1.48	66	-3.06
7	1.72	27	-0.90	47	-1.55	67	-2.96
8	1.63	28	-1.02	48	-2.41	68	-2.96
9	1.49	29	-1.46	49	-1.96	69	-3.03
10	1.35	30	-1.56	50	-1.81	70	-3.36
11	1.25	31	-1.71	51	-1.86	71	-3.62
12	1.17	32	-1.67	52	-2.04	72	-4.24
13	1.11	33	-1.80	53	-2.28	73	-3.76
14	1.04	34	-1.86	54	-2.66	74	-3.23
15	0.98	35	-1.71	55	-3.30	75	-3.15
16	0.87	36	-1.60	56	-3.86	76	-3.13
17	0.84	37	-1.76	57	-3.46	77	-3.16
18	0.79	38	-1.70	58	-2.86	78	-3.21
19	0.74	39	-1.66	59	-2.66	79	-3.96
20	0.60	40	-1.94	60	-2.68	80	-4.07
1	0.27	6	0.50	11	0.10	16	0.09
2	0.41	7	0.51	12	0.10	17	0.09
3	0.46	8	0.25	13	0.10	18	0.05
4	0.44	9	0.28	14	0.14	19	0.06
5	0.49	10	0.15	15	0.12	20	0.09

4/ 4/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.08	41	-2.72	61	-2.93
2	2.30	22	-0.01	42	-2.88	62	-3.37
3	2.15	23	-0.13	43	-2.81	63	-3.51
4	2.01	24	-0.26	44	-2.85	64	-3.96
5	1.87	25	-0.56	45	-2.97	65	-3.55
6	1.75	26	-0.62	46	-3.26	66	-2.38
7	1.67	27	-0.96	47	-3.19	67	-2.86
8	1.60	28	-1.19	48	-3.56	68	-2.96
9	1.47	29	-1.10	49	-3.35	69	-3.21
10	1.34	30	-1.58	50	-3.22	70	-3.43
11	1.21	31	-1.95	51	-3.11	71	-3.67
12	1.09	32	-1.35	52	-3.18	72	-3.83
13	0.95	33	-1.31	53	-3.26	73	-3.56
14	0.83	34	-1.18	54	-3.36	74	-2.86
15	0.74	35	-1.25	55	-3.81	75	-3.13
16	0.62	36	-1.22	56	-3.85	76	-3.16
17	0.52	37	-1.26	57	-3.56	77	-3.41
18	0.42	38	-1.80	58	-2.89	78	-3.38
19	0.30	39	-2.11	59	-2.78	79	-3.51
20	0.23	40	-2.40	60	-2.84	80	-3.96
1	0.11	6	0.16	11	0.16	16	0.21
2	0.09	7	0.13	12	0.16	17	0.21
3	0.12	8	0.22	13	0.12	18	0.29
4	0.11	9	0.19	14	-0.01	19	0.22
5	0.09	10	0.17	15	0.11	20	0.17

4/18/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.77	41	-1.88	61	-2.70
2	2.33	22	0.44	42	-1.27	62	-2.91
3	2.18	23	-0.01	43	-1.32	63	-3.16
4	2.05	24	-0.24	44	-1.46	64	-3.76
5	1.94	25	-0.87	45	-1.81	65	-3.66
6	1.84	26	-1.09	46	-1.92	66	-3.37
7	1.74	27	-1.46	47	-1.99	67	-4.01
8	1.63	28	-1.49	48	-2.16	68	-4.01
9	1.52	29	-1.59	49	-1.94	69	-4.06
10	1.39	30	-1.66	50	-1.57	70	-4.19
11	1.28	31	-1.97	51	-1.57	71	-4.31
12	1.18	32	-1.01	52	-1.81	72	-4.38
13	1.09	33	-0.93	53	-2.39	73	-4.06
14	1.03	34	-0.92	54	-2.36	74	-3.89
15	0.95	35	-0.96	55	-2.69	75	-3.96
16	0.91	36	-1.01	56	-2.80	76	-4.08
17	0.87	37	-1.22	57	-2.83	77	-4.59
18	0.94	38	-1.26	58	-2.34	78	-4.61
19	1.04	39	-1.41	59	-2.36	79	-4.61
20	0.13	40	-1.57	60	-2.51	80	-4.61
1	0.62	6	0.27	11	0.50	16	0.46
2	0.60	7	0.23	12	0.48	17	0.38
3	0.55	8	0.27	13	0.45	18	0.42
4	0.50	9	0.30	14	0.42	19	0.39
5	0.40	10	0.35	15	0.41	20	0.34

4/25/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.60	41	-1.76	61	-3.11
2	2.34	22	0.19	42	-1.41	62	-3.67
3	2.16	23	-0.02	43	-1.06	63	-3.89
4	2.04	24	-0.38	44	-1.13	64	-4.06
5	1.92	25	-0.41	45	-1.18	65	-3.80
6	1.84	26	-0.51	46	-1.26	66	-3.76
7	1.72	27	-0.60	47	-1.41	67	-3.96
8	1.62	28	-0.68	48	-1.80	68	-4.00
9	1.51	29	-0.73	49	-1.52	69	-4.16
10	1.38	30	-0.96	50	-1.59	70	-4.13
11	1.29	31	-1.53	51	-1.81	71	-4.16
12	1.19	32	-0.94	52	-2.01	72	-4.30
13	1.12	33	-0.81	53	-2.30	73	-3.89
14	1.10	34	-0.81	54	-2.56	74	-3.91
15	1.14	35	-0.77	55	-3.06	75	-3.96
16	1.30	36	-0.81	56	-3.33	76	-4.06
17	1.32	37	-0.81	57	-2.86	77	-4.03
18	1.24	38	-0.86	58	-2.76	78	-4.11
19	1.09	39	-0.90	59	-3.80	79	-4.21
20	0.90	40	-1.15	60	-3.88	80	-4.36
1	0.37	6	0.08	11	0.35	16	0.03
2	0.35	7	-0.02	12	0.40	17	-0.05
3	0.27	8	0.02	13	0.35	18	-0.17
4	0.21	9	0.06	14	0.24	19	-0.26
5	0.16	10	0.03	15	0.11	20	-0.15

5/ 2/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.07	41	-2.94	61	-2.16
2	2.34	22	-0.02	42	-1.76	62	-2.65
3	2.16	23	-0.11	43	-2.15	63	-2.74
4	2.04	24	-0.18	44	-2.07	64	-4.01
5	1.93	25	-0.27	45	-2.06	65	-4.01
6	1.84	26	-0.36	46	-2.18	66	-3.54
7	1.75	27	-0.51	47	-2.45	67	-3.48
8	1.64	28	-0.66	48	-2.79	68	-3.57
9	1.53	29	-0.92	49	-3.18	69	-4.11
10	1.40	30	-1.26	50	-2.56	70	-4.36
11	1.26	31	-1.66	51	-2.33	71	-4.43
12	1.13	32	-1.71	52	-2.26	72	-4.55
13	0.99	33	-1.55	53	-2.07	73	-4.86
14	0.87	34	-1.52	54	-2.01	74	-4.56
15	0.73	35	-1.52	55	-2.09	75	-4.33
16	0.56	36	-1.52	56	-2.81	76	-4.30
17	0.47	37	-1.67	57	-2.56	77	-4.81
18	0.30	38	-1.83	58	-1.96	78	-4.64
19	0.13	39	-1.86	59	-1.99	79	-4.96
20	0.09	40	-2.10	60	-2.16	80	-5.06
1	0.09	6	0.20	11	0.02	16	0.12
2	0.12	7	0.28	12	0.05	17	0.15
3	0.16	8	0.33	13	0.08	18	0.16
4	0.22	9	0.27	14	0.11	19	0.16
5	0.23	10	0.22	15	0.08	20	0.14

5/ 9/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.09	41	-1.92	61	-2.58
2	2.41	22	-0.34	42	-1.21	62	-2.76
3	2.19	23	-0.70	43	-1.28	63	-3.11
4	2.07	24	-0.90	44	-1.35	64	-3.82
5	1.94	25	-1.32	45	-1.56	65	-3.74
6	1.86	26	-1.36	46	-1.77	66	-3.43
7	1.78	27	-1.45	47	-2.13	67	-3.44
8	1.67	28	-1.51	48	-2.32	68	-3.60
9	1.58	29	-1.62	49	-1.88	69	-3.87
10	1.45	30	-1.76	50	-1.82	70	-4.26
11	1.35	31	-2.02	51	-1.86	71	-4.27
12	1.30	32	-1.71	52	-1.99	72	-4.61
13	1.28	33	-1.67	53	-2.15	73	-4.59
14	1.30	34	-1.52	54	-2.16	74	-4.26
15	1.35	35	-1.49	55	-2.41	75	-4.21
16	1.27	36	-1.37	56	-2.58	76	-4.58
17	1.03	37	-1.18	57	-2.34	77	-4.67
18	0.74	38	-1.38	58	-2.25	78	-4.68
19	0.57	39	-1.47	59	-2.32	79	-4.68
20	0.27	40	-1.42	60	-2.47	80	-4.69
1	-0.16	6	-0.23	11	-0.05	16	0.13
2	-0.20	7	-0.24	12	0.04	17	0.15
3	-0.23	8	-0.24	13	0.06	18	0.22
4	-0.28	9	-0.16	14	-0.01	19	0.19
5	-0.23	10	-0.16	15	0.05	20	0.24

5/16/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	-0.37	41	-2.54	61	-2.47
2	2.34	22	-0.66	42	-2.35	62	-2.91
3	2.22	23	-1.29	43	-2.27	63	-3.34
4	2.04	24	-1.48	44	-2.31	64	-4.11
5	1.95	25	-1.64	45	-2.12	65	-3.75
6	1.85	26	-1.68	46	-2.14	66	-3.36
7	1.80	27	-1.82	47	-2.20	67	-3.37
8	1.70	28	-1.52	48	-2.89	68	-3.52
9	1.62	29	-1.30	49	-2.74	69	-4.26
10	1.55	30	-1.40	50	-2.47	70	-4.27
11	1.48	31	-1.80	51	-2.02	71	-4.23
12	1.37	32	-1.31	52	-1.49	72	-4.54
13	1.31	33	-1.18	53	-1.41	73	-4.61
14	1.27	34	-1.19	54	-1.47	74	-3.97
15	1.23	35	-1.21	55	-1.88	75	-4.14
16	1.12	36	-1.35	56	-2.39	76	-4.27
17	0.83	37	-1.50	57	-2.48	77	-4.35
18	0.51	38	-1.53	58	-1.94	78	-4.46
19	0.21	39	-1.80	59	-2.09	79	-4.58
20	-0.11	40	-2.29	60	-2.28	80	-4.85
1	-0.23	6	0.11	11	-0.27	16	0.12
2	-0.24	7	0.04	12	-0.23	17	0.22
3	0.0	8	0.03	13	-0.08	18	0.30
4	0.05	9	-0.01	14	-0.01	19	0.22
5	0.10	10	-0.08	15	0.08	20	0.20

5/23/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	-0.04	41	-1.56	61	-2.88
2	2.39	22	-0.15	42	-1.18	62	-3.30
3	2.19	23	-0.26	43	-1.18	63	-3.76
4	2.07	24	-0.40	44	-1.22	64	-4.16
5	1.96	25	-0.54	45	-1.30	65	-3.86
6	1.86	26	-0.62	46	-1.39	66	-3.67
7	1.78	27	-0.73	47	-1.44	67	-3.70
8	1.69	28	-0.76	48	-1.96	68	-4.35
9	1.63	29	-0.76	49	-1.72	69	-4.29
10	1.57	30	-0.73	50	-1.58	70	-4.35
11	1.41	31	-0.81	51	-1.96	71	-4.46
12	1.23	32	-0.73	52	-2.11	72	-4.53
13	1.05	33	-0.74	53	-2.53	73	-4.40
14	0.86	34	-0.76	54	-2.84	74	-4.12
15	0.70	35	-0.78	55	-2.95	75	-4.34
16	0.53	36	-0.83	56	-2.97	76	-4.33
17	0.48	37	-0.88	57	-2.78	77	-4.19
18	0.36	38	-0.91	58	-2.54	78	-4.25
19	0.24	39	-0.95	59	-2.71	79	-4.61
20	0.14	40	-1.01	60	-2.66	80	-4.76
1	-0.16	6	0.02	11	-0.05	16	0.22
2	-0.21	7	0.15	12	-0.01	17	0.25
3	-0.24	8	0.30	13	0.01	18	0.25
4	-0.22	9	0.39	14	0.09	19	0.25
5	-0.13	10	0.39	15	0.17	20	0.24

6/ 6/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.11	41	-1.36	61	-2.96
2	2.31	22	0.01	42	-1.01	62	-3.76
3	2.13	23	-0.03	43	-1.02	63	-3.91
4	2.01	24	-0.10	44	-1.13	64	-3.99
5	1.94	25	-0.17	45	-1.20	65	-3.73
6	1.84	26	-0.26	46	-1.39	66	-3.57
7	1.78	27	-0.33	47	-1.49	67	-3.66
8	1.73	28	-0.42	48	-1.62	68	-3.93
9	1.66	29	-0.53	49	-1.36	69	-4.02
10	1.57	30	-0.61	50	-1.45	70	-4.11
11	1.47	31	-0.79	51	-1.52	71	-4.09
12	1.32	32	-0.80	52	-1.61	72	-4.36
13	1.17	33	-0.89	53	-1.76	73	-4.46
14	1.02	34	-1.26	54	-1.91	74	-4.16
15	0.86	35	-1.38	55	-2.24	75	-4.16
16	0.69	36	-1.26	56	-2.66	76	-4.16
17	0.64	37	-0.64	57	-2.27	77	-4.06
18	0.49	38	-0.90	58	-2.20	78	-4.01
19	0.37	39	-0.94	59	-2.36	79	-4.09
20	0.26	40	-0.97	60	-2.61	80	-4.31
1	-0.02	6	-0.06	11	0.01	16	0.03
2	0.0	7	-0.10	12	-0.01	17	0.0
3	0.04	8	-0.09	13	-0.02	18	0.01
4	0.03	9	-0.10	14	-0.04	19	0.12
5	-0.01	10	-0.08	15	-0.01	20	0.22

5/30/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	-0.22	41	-2.51	61	-3.06
2	2.29	22	-0.13	42	-1.71	62	-3.31
3	2.14	23	-0.18	43	-1.32	63	-3.96
4	2.03	24	-0.46	44	-1.21	64	-4.36
5	1.93	25	-0.81	45	-1.21	65	-4.56
6	1.86	26	-0.76	46	-1.21	66	-4.21
7	1.76	27	-0.79	47	-1.88	67	-3.94
8	1.69	28	-1.06	48	-2.11	68	-4.26
9	1.65	29	-1.46	49	-1.94	69	-4.06
10	1.58	30	-1.96	50	-1.69	70	-4.51
11	1.45	31	-2.13	51	-1.68	71	-4.41
12	1.31	32	-1.88	52	-1.76	72	-4.46
13	1.15	33	-1.71	53	-2.00	73	-4.96
14	0.95	34	-1.66	54	-2.19	74	-4.91
15	0.79	35	-1.46	55	-2.79	75	-4.76
16	0.60	36	-1.41	56	-3.66	76	-4.71
17	0.46	37	-1.39	57	-3.65	77	-4.66
18	0.21	38	-1.40	58	-3.16	78	-4.26
19	0.14	39	-1.56	59	-2.88	79	-4.31
20	0.09	40	-2.00	60	-2.89	80	-4.69
1	0.73	6	1.03	11	0.61	16	0.84
2	0.77	7	1.06	12	0.77	17	0.80
3	0.79	8	1.02	13	0.84	18	0.84
4	0.75	9	0.85	14	1.19	19	0.86
5	0.78	10	0.82	15	1.04	20	0.71

6/13/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	0.06	41	-1.77	61	-3.80
2	2.32	22	0.04	42	-1.63	62	-3.46
3	2.09	23	-0.09	43	-1.46	63	-4.01
4	2.08	24	-0.24	44	-1.29	64	-3.96
5	1.96	25	-0.40	45	-1.29	65	-4.01
6	1.86	26	-0.68	46	-1.32	66	-4.16
7	1.77	27	-0.86	47	-1.31	67	-3.96
8	1.74	28	-0.89	48	-1.80	68	-3.76
9	1.70	29	-1.09	49	-1.70	69	-3.71
10	1.64	30	-1.54	50	-1.43	70	-3.96
11	1.49	31	-1.06	51	-1.42	71	-4.41
12	1.31	32	-1.80	52	-1.53	72	-4.52
13	1.17	33	-1.16	53	-1.66	73	-4.66
14	1.03	34	-1.15	54	-1.86	74	-4.61
15	0.92	35	-1.12	55	-2.24	75	-4.66
16	0.74	36	-0.93	56	-3.01	76	-4.61
17	0.54	37	-0.98	57	-3.91	77	-4.51
18	0.39	38	-0.96	58	-3.61	78	-4.56
19	0.38	39	-1.02	59	-3.70	79	-4.71
20	0.18	40	-1.06	60	-3.66	80	-4.91
1	0.85	6	0.73	11	0.78	16	0.72
2	0.87	7	0.87	12	0.93	17	0.72
3	0.84	8	0.74	13	0.97	18	0.67
4	0.69	9	0.62	14	0.94	19	0.60
5	0.66	10	0.63	15	0.82	20	0.54

6/20/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.0	41	-2.56	61	-2.93
2	2.34	22	-0.07	42	-2.07	62	-3.16
3	2.22	23	-0.17	43	-1.76	63	-3.86
4	2.11	24	-0.26	44	-1.70	64	-3.96
5	2.03	25	-0.37	45	-1.36	65	-4.12
6	1.97	26	-0.46	46	-1.26	66	-3.91
7	1.82	27	-0.56	47	-1.26	67	-3.89
8	1.69	28	-0.64	48	-1.64	68	-3.94
9	1.53	29	-0.81	49	-1.69	69	-4.04
10	1.40	30	-0.78	50	-1.48	70	-4.38
11	1.29	31	-1.31	51	-1.52	71	-4.38
12	1.15	32	-1.21	52	-1.59	72	-4.51
13	1.01	33	-1.16	53	-1.62	73	-4.58
14	0.87	34	-1.15	54	-1.66	74	-4.71
15	0.73	35	-1.27	55	-1.92	75	-4.69
16	0.60	36	-1.24	56	-2.46	76	-4.75
17	0.45	37	-1.39	57	-2.43	77	-4.87
18	0.33	38	-1.56	58	-2.32	78	-4.92
19	0.19	39	-1.46	59	-2.41	79	-4.87
20	0.11	40	-1.76	60	-2.62	80	-4.86
1	-0.05	6	0.06	11	0.03	16	0.06
2	-0.11	7	0.06	12	0.14	17	0.08
3	-0.13	8	0.09	13	0.0	18	-0.02
4	-0.05	9	0.10	14	0.01	19	0.02
5	0.05	10	0.14	15	0.06	20	0.07

7/ 4/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	-0.21	41	-1.81	61	-3.06
2	2.34	22	-0.41	42	-1.62	62	-3.29
3	2.20	23	-0.53	43	-1.55	63	-3.86
4	2.09	24	-0.51	44	-1.59	64	-4.31
5	2.03	25	-0.53	45	-1.61	65	-4.07
6	1.97	26	-0.51	46	-1.63	66	-3.86
7	1.81	27	-0.51	47	-1.63	67	-3.96
8	1.66	28	-0.53	48	-2.06	68	-4.01
9	1.57	29	-0.56	49	-1.77	69	-4.31
10	1.50	30	-0.60	50	-1.74	70	-4.33
11	1.42	31	-0.84	51	-1.86	71	-4.26
12	1.35	32	-0.70	52	-1.89	72	-4.53
13	1.25	33	-0.76	53	-2.13	73	-4.44
14	1.11	34	-0.82	54	-2.40	74	-4.51
15	0.99	35	-0.89	55	-2.99	75	-4.51
16	0.85	36	-0.95	56	-3.28	76	-4.56
17	0.72	37	-1.04	57	-3.11	77	-4.57
18	0.56	38	-1.09	58	-2.86	78	-4.56
19	0.34	39	-1.25	59	-2.86	79	-4.66
20	0.11	40	-1.53	60	-2.89	80	-4.69
1	-0.29	6	-0.23	11	-0.12	16	-0.30
2	-0.11	7	-0.22	12	-0.08	17	-0.20
3	0.0	8	-0.26	13	-0.21	18	-0.09
4	0.06	9	0.0	14	-0.34	19	-0.09
5	-0.01	10	0.0	15	-0.42	20	-0.06

6/27/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	0.02	41	-1.76	61	-2.86
2	2.36	22	-0.08	42	-1.11	62	-3.11
3	2.21	23	-0.16	43	-1.06	63	-3.40
4	2.09	24	-0.34	44	-0.98	64	-3.96
5	2.02	25	-0.39	45	-0.94	65	-3.81
6	1.96	26	-0.63	46	-1.01	66	-3.86
7	1.79	27	-0.62	47	-1.36	67	-3.81
8	1.63	28	-0.66	48	-1.83	68	-4.01
9	1.53	29	-0.66	49	-1.76	69	-4.01
10	1.41	30	-0.82	50	-1.61	70	-4.31
11	1.29	31	-1.31	51	-1.70	71	-4.31
12	1.19	32	-1.11	52	-2.11	72	-4.56
13	1.12	33	-0.96	53	-2.30	73	-4.66
14	1.00	34	-0.99	54	-2.40	74	-4.66
15	0.91	35	-1.28	55	-2.49	75	-4.66
16	0.72	36	-1.29	56	-2.71	76	-4.71
17	0.61	37	-1.61	57	-2.57	77	-4.86
18	0.42	38	-1.56	58	-2.30	78	-4.76
19	0.30	39	-1.38	59	-2.46	79	-4.79
20	0.14	40	-1.30	60	-2.71	80	-4.82
1	-0.06	6	0.01	11	0.10	16	0.07
2	-0.10	7	0.03	12	0.11	17	0.11
3	-0.08	8	-0.05	13	0.10	18	0.12
4	-0.05	9	0.07	14	0.17	19	0.11
5	-0.02	10	0.08	15	0.11	20	0.13

7/11/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.12	41	-1.51	61	-3.44
2	2.33	22	-0.19	42	-1.20	62	-3.58
3	2.19	23	-0.17	43	-1.06	63	-3.98
4	2.06	24	-0.16	44	-1.24	64	-4.06
5	2.05	25	-0.16	45	-1.48	65	-3.81
6	1.93	26	-0.21	46	-1.61	66	-3.93
7	1.87	27	-0.25	47	-1.71	67	-3.99
8	1.63	28	-0.30	48	-2.18	68	-4.05
9	1.52	29	-0.30	49	-1.96	69	-4.38
10	1.49	30	-0.55	50	-1.74	70	-4.40
11	1.40	31	-1.16	51	-1.99	71	-4.42
12	1.37	32	-0.46	52	-2.15	72	-4.42
13	1.26	33	-0.46	53	-2.38	73	-4.58
14	1.17	34	-0.48	54	-2.61	74	-4.36
15	1.11	35	-0.49	55	-3.06	75	-4.44
16	1.05	36	-0.51	56	-3.25	76	-4.46
17	0.89	37	-0.56	57	-2.79	77	-4.53
18	0.74	38	-0.73	58	-2.85	78	-4.46
19	0.53	39	-0.75	59	-2.95	79	-4.56
20	0.31	40	-1.06	60	-2.99	80	-4.69
1	0.11	6	0.05	11	0.09	16	0.08
2	0.09	7	0.04	12	0.06	17	0.14
3	0.03	8	0.08	13	0.04	18	0.15
4	0.01	9	0.05	14	0.03	19	0.19
5	0.03	10	0.06	15	0.0	20	0.18

7/18/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.44	41	-1.46	61	-3.29
2	2.45	22	0.35	42	-1.13	62	-3.55
3	2.26	23	0.25	43	-1.14	63	-3.71
4	2.16	24	0.15	44	-1.23	64	-3.96
5	2.02	25	0.11	45	-1.34	65	-3.77
6	1.92	26	0.07	46	-1.57	66	-3.81
7	1.82	27	0.04	47	-1.86	67	-3.99
8	1.67	28	0.01	48	-2.28	68	-4.08
9	1.56	29	-0.01	49	-1.73	69	-4.15
10	1.53	30	-0.06	50	-1.91	70	-4.30
11	1.43	31	-0.15	51	-2.06	71	-4.28
12	1.44	32	-0.19	52	-2.20	72	-4.39
13	1.28	33	-0.28	53	-2.38	73	-4.21
14	1.23	34	-0.41	54	-2.60	74	-4.21
15	1.18	35	-0.44	55	-2.77	75	-4.30
16	1.07	36	-0.52	56	-3.25	76	-4.36
17	0.95	37	-0.66	57	-2.82	77	-4.44
18	0.79	38	-0.73	58	-2.77	78	-4.38
19	0.67	39	-0.81	59	-2.93	79	-4.44
20	0.59	40	-0.97	60	-3.09	80	-4.51
1	0.47	6	0.33	11	0.41	16	0.34
2	0.46	7	0.36	12	0.40	17	0.34
3	0.40	8	0.34	13	0.39	18	0.31
4	0.41	9	0.29	14	0.33	19	-0.04
5	0.39	10	0.28	15	0.34	20	0.03

8/ 1/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	0.16	41	-1.22	61	-3.70
2	2.37	22	-0.16	42	-1.21	62	-3.70
3	2.21	23	-0.10	43	-1.16	63	-3.81
4	2.11	24	-0.10	44	-1.21	64	-4.10
5	2.01	25	-0.11	45	-1.30	65	-3.76
6	1.91	26	-0.11	46	-1.40	66	-3.94
7	1.79	27	-0.16	47	-1.56	67	-4.01
8	1.65	28	-0.19	48	-2.18	68	-4.01
9	1.60	29	-0.24	49	-1.80	69	-4.10
10	1.54	30	-0.30	50	-1.96	70	-4.16
11	1.50	31	-0.51	51	-2.56	71	-4.21
12	1.43	32	-0.28	52	-2.64	72	-4.34
13	1.29	33	-0.33	53	-3.06	73	-3.86
14	1.15	34	-0.41	54	-3.24	74	-3.97
15	1.12	35	-0.50	55	-3.62	75	-4.00
16	1.04	36	-0.66	56	-3.83	76	-4.06
17	0.94	37	-0.66	57	-3.31	77	-4.10
18	0.76	38	-0.72	58	-3.36	78	-4.06
19	0.57	39	-0.82	59	-3.37	79	-4.11
20	0.40	40	-0.86	60	-3.46	80	-4.20
1	0.17	6	-0.15	11	0.07	16	0.0
2	0.08	7	0.08	12	-0.12	17	-0.05
3	-0.06	8	0.04	13	0.06	18	-0.01
4	0.04	9	0.18	14	0.07	19	0.02
5	-0.22	10	0.09	15	0.09	20	0.08

7/25/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.89	41	-1.56	61	-3.42
2	2.33	22	0.70	42	-1.26	62	-3.66
3	2.22	23	0.54	43	-1.19	63	-3.51
4	2.07	24	0.34	44	-1.26	64	-4.11
5	1.98	25	0.19	45	-1.61	65	-3.76
6	1.91	26	0.01	46	-2.11	66	-3.76
7	1.82	27	-0.24	47	-2.61	67	-3.91
8	1.65	28	-0.23	48	-2.86	68	-3.89
9	1.55	29	-0.33	49	-2.49	69	-4.17
10	1.52	30	-0.41	50	-2.26	70	-4.28
11	1.43	31	-1.20	51	-2.36	71	-4.16
12	1.41	32	-0.63	52	-2.42	72	-4.56
13	1.26	33	-0.51	53	-2.52	73	-4.11
14	1.22	34	-0.52	54	-2.70	74	-4.15
15	1.17	35	-0.52	55	-2.90	75	-4.27
16	1.07	36	-0.59	56	-3.38	76	-4.36
17	1.08	37	-0.61	57	-2.96	77	-4.47
18	1.09	38	-0.71	58	-2.86	78	-4.26
19	1.11	39	-0.82	59	-3.06	79	-4.42
20	1.09	40	-0.89	60	-3.06	80	-4.51
1	0.69	6	0.65	11	0.64	16	0.64
2	0.65	7	0.63	12	0.73	17	0.55
3	0.76	8	0.50	13	0.95	18	0.63
4	0.60	9	0.63	14	0.69	19	0.38
5	0.51	10	0.62	15	0.63	20	0.42

8/ 8/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.54	41	-1.24	61	-3.57
2	2.61	22	0.44	42	-1.06	62	-3.68
3	2.22	23	0.32	43	-1.22	63	-3.78
4	2.09	24	0.24	44	-1.40	64	-3.97
5	1.98	25	0.10	45	-1.71	65	-3.80
6	1.92	26	0.01	46	-1.91	66	-3.85
7	1.80	27	-0.08	47	-2.31	67	-3.90
8	1.68	28	-0.16	48	-2.57	68	-3.97
9	1.59	29	-0.23	49	-2.04	69	-4.06
10	1.54	30	-0.34	50	-2.32	70	-4.11
11	1.49	31	-0.87	51	-2.53	71	-4.12
12	1.41	32	-0.41	52	-2.86	72	-4.19
13	1.29	33	-0.39	53	-2.90	73	-3.93
14	1.19	34	-0.40	54	-3.15	74	-3.96
15	1.13	35	-0.42	55	-3.30	75	-3.99
16	1.09	36	-0.44	56	-3.56	76	-4.00
17	1.00	37	-0.52	57	-3.25	77	-4.07
18	0.93	38	-0.58	58	-3.28	78	-4.00
19	0.83	39	-0.67	59	-3.37	79	-4.02
20	0.69	40	-0.82	60	-3.46	80	-4.07
1	0.52	6	0.33	11	0.49	16	0.41
2	0.46	7	0.29	12	0.57	17	0.39
3	0.46	8	0.33	13	0.47	18	0.35
4	0.51	9	0.28	14	0.51	19	0.32
5	0.35	10	0.28	15	0.43	20	0.28

8/15/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.52	41	-1.50	61	-3.53
2	2.49	22	0.44	42	-1.26	62	-3.59
3	2.22	23	0.34	43	-1.28	63	-3.74
4	2.09	24	0.24	44	-1.41	64	-4.16
5	1.99	25	0.16	45	-1.52	65	-3.84
6	1.93	26	0.06	46	-1.74	66	-3.81
7	1.79	27	-0.02	47	-2.36	67	-3.85
8	1.65	28	-0.07	48	-3.09	68	-3.91
9	1.59	29	-0.14	49	-2.66	69	-3.96
10	1.54	30	-0.22	50	-2.42	70	-3.96
11	1.49	31	-0.35	51	-2.53	71	-4.01
12	1.42	32	-0.35	52	-3.06	72	-4.32
13	1.28	33	-0.41	53	-2.84	73	-3.88
14	1.20	34	-0.46	54	-2.99	74	-3.86
15	1.16	35	-0.53	55	-3.26	75	-3.87
16	1.12	36	-0.58	56	-3.76	76	-3.96
17	1.09	37	-0.69	57	-3.32	77	-3.79
18	1.01	38	-0.80	58	-3.17	78	-3.76
19	0.84	39	-0.87	59	-3.35	79	-3.92
20	0.72	40	-0.99	60	-3.41	80	-3.98
1	0.55	6	0.55	11	0.57	16	0.55
2	0.57	7	0.61	12	0.65	17	0.50
3	0.65	8	0.71	13	0.54	18	0.46
4	0.61	9	0.59	14	0.59	19	0.40
5	0.51	10	0.63	15	0.52	20	0.39

8/29/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.16	41	-1.69	61	-3.57
2	2.37	22	0.08	42	-1.20	62	-3.73
3	2.18	23	-0.02	43	-1.15	63	-3.87
4	2.05	24	-0.10	44	-1.20	64	-4.21
5	1.95	25	-0.18	45	-1.27	65	-3.66
6	1.91	26	-0.26	46	-1.38	66	-3.60
7	1.78	27	-0.44	47	-1.73	67	-3.74
8	1.70	28	-0.40	48	-2.41	68	-3.86
9	1.64	29	-0.41	49	-2.02	69	-3.95
10	1.54	30	-0.48	50	-1.95	70	-4.02
11	1.44	31	-0.84	51	-2.11	71	-4.11
12	1.31	32	-0.56	52	-2.31	72	-4.16
13	1.17	33	-0.62	53	-2.52	73	-3.66
14	1.09	34	-0.71	54	-2.81	74	-3.41
15	0.96	35	-0.72	55	-3.18	75	-3.46
16	0.80	36	-0.79	56	-3.56	76	-3.52
17	0.69	37	-0.88	57	-3.28	77	-3.57
18	0.56	38	-0.89	58	-3.11	78	-3.69
19	0.41	39	-0.97	59	-3.30	79	-3.81
20	0.30	40	-1.06	60	-3.46	80	-4.01
1	0.13	6	0.17	11	0.18	16	0.18
2	0.14	7	0.20	12	0.20	17	0.15
3	0.17	8	0.25	13	0.25	18	0.05
4	0.15	9	0.25	14	0.24	19	0.05
5	0.16	10	0.25	15	0.23	20	0.07

8/22/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.16	41	-1.59	61	-3.44
2	2.58	22	0.05	42	-1.40	62	-3.61
3	2.24	23	0.0	43	-1.32	63	-4.19
4	2.12	24	-0.09	44	-1.30	64	-4.45
5	2.00	25	-0.19	45	-1.29	65	-4.37
6	1.92	26	-0.28	46	-1.46	66	-3.61
7	1.81	27	-0.36	47	-1.73	67	-3.62
8	1.70	28	-0.40	48	-2.60	68	-3.72
9	1.62	29	-0.45	49	-2.35	69	-3.78
10	1.60	30	-0.56	50	-2.07	70	-4.29
11	1.52	31	-1.21	51	-2.30	71	-4.30
12	1.39	32	-0.82	52	-2.36	72	-4.56
13	1.25	33	-0.75	53	-2.69	73	-4.32
14	1.12	34	-0.77	54	-3.06	74	-3.77
15	0.99	35	-0.83	55	-3.48	75	-3.60
16	0.84	36	-0.88	56	-3.96	76	-3.55
17	0.75	37	-0.93	57	-3.81	77	-3.56
18	0.57	38	-0.95	58	-3.30	78	-3.61
19	0.44	39	-1.01	59	-3.20	79	-4.02
20	0.28	40	-1.08	60	-3.35	80	-4.43
1	0.31	6	0.31	11	0.18	16	0.17
2	0.36	7	0.35	12	0.19	17	0.15
3	0.44	8	0.40	13	0.22	18	0.16
4	0.36	9	0.43	14	0.25	19	0.24
5	0.30	10	0.43	15	0.22	20	0.23

9/ 5/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.05	41	-1.27	61	-3.50
2	2.50	22	-0.06	42	-0.91	62	-3.76
3	2.23	23	-0.11	43	-1.00	63	-3.86
4	2.10	24	-0.16	44	-1.12	64	-4.06
5	2.01	25	-0.22	45	-1.32	65	-3.72
6	1.93	26	-0.26	46	-1.55	66	-3.60
7	1.82	27	-0.36	47	-1.82	67	-3.66
8	1.75	28	-0.46	48	-2.10	68	-3.69
9	1.68	29	-0.51	49	-1.60	69	-3.72
10	1.53	30	-1.01	50	-1.82	70	-3.81
11	1.41	31	-1.32	51	-2.05	71	-3.91
12	1.29	32	-0.84	52	-2.34	72	-4.11
13	1.19	33	-1.08	53	-2.59	73	-3.53
14	1.09	34	-1.01	54	-2.93	74	-3.45
15	0.96	35	-1.06	55	-3.22	75	-3.43
16	0.80	36	-1.23	56	-3.69	76	-3.44
17	0.66	37	-1.26	57	-3.30	77	-3.52
18	0.52	38	-1.23	58	-3.16	78	-3.60
19	0.34	39	-0.96	59	-3.26	79	-3.72
20	0.24	40	-0.96	60	-3.35	80	-3.88
1	0.12	6	0.21	11	0.04	16	0.04
2	0.15	7	0.17	12	-0.04	17	0.10
3	0.13	8	0.13	13	0.04	18	0.09
4	0.17	9	0.19	14	0.08	19	0.05
5	0.16	10	0.26	15	0.07	20	0.11

9/12/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	-0.08	41	-2.15	61	-3.36
2	2.57	22	-0.12	42	-1.86	62	-3.74
3	2.26	23	-0.27	43	-1.59	63	-3.92
4	2.09	24	-0.48	44	-1.46	64	-4.24
5	1.99	25	-0.64	45	-1.45	65	-3.74
6	1.96	26	-0.74	46	-1.41	66	-3.52
7	1.81	27	-0.77	47	-1.41	67	-3.54
8	1.72	28	-0.96	48	-2.06	68	-3.72
9	1.68	29	-1.22	49	-1.68	69	-3.72
10	1.57	30	-1.06	50	-1.52	70	-3.91
11	1.42	31	-1.51	51	-1.64	71	-4.04
12	1.30	32	-0.96	52	-1.76	72	-4.26
13	1.25	33	-0.79	53	-1.96	73	-3.60
14	1.22	34	-0.76	54	-2.21	74	-3.36
15	1.04	35	-0.77	55	-3.06	75	-3.39
16	0.83	36	-0.87	56	-3.28	76	-3.41
17	0.68	37	-1.01	57	-3.21	77	-3.56
18	0.50	38	-1.06	58	-2.91	78	-3.86
19	0.27	39	-1.13	59	-3.11	79	-3.86
20	0.13	40	-1.46	60	-3.16	80	-3.96
1	-0.09	6	0.06	11	0.07	16	0.19
2	-0.02	7	0.19	12	0.09	17	0.19
3	-0.04	8	0.19	13	0.25	18	0.21
4	-0.03	9	0.25	14	0.24	19	0.21
5	0.05	10	0.26	15	0.21	20	0.20

9/26/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.19	41	-2.16	61	-3.20
2	2.43	22	-0.15	42	-2.14	62	-3.04
3	2.23	23	-0.31	43	-2.11	63	-3.34
4	2.10	24	-0.40	44	-2.02	64	-4.11
5	2.00	25	-0.40	45	-1.98	65	-3.84
6	1.95	26	-0.56	46	-2.06	66	-3.66
7	1.89	27	-0.84	47	-1.99	67	-3.49
8	1.73	28	-0.93	48	-2.66	68	-3.56
9	1.59	29	-1.10	49	-2.70	69	-3.26
10	1.41	30	-1.25	50	-2.60	70	-2.88
11	1.23	31	-1.40	51	-2.57	71	-2.90
12	1.06	32	-1.34	52	-2.20	72	-3.86
13	0.92	33	-1.20	53	-2.22	73	-3.56
14	0.79	34	-1.23	54	-2.30	74	-3.16
15	0.67	35	-1.41	55	-2.37	75	-2.79
16	0.54	36	-1.26	56	-2.53	76	-2.59
17	0.36	37	-1.13	57	-3.56	77	-2.68
18	0.24	38	-1.21	58	-3.17	78	-2.79
19	0.14	39	-1.21	59	-3.20	79	-3.21
20	0.04	40	-1.46	60	-2.82	80	-3.96
1	-0.05	6	-0.01	11	-0.04	16	-0.10
2	-0.02	7	0.10	12	0.0	17	-0.12
3	-0.10	8	0.11	13	-0.08	18	-0.01
4	-0.07	9	0.15	14	-0.12	19	0.0
5	0.0	10	0.13	15	0.02	20	0.01

9/19/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.02	41	-1.71	61	-3.17
2	2.51	22	-0.03	42	-1.27	62	-3.43
3	2.25	23	-0.10	43	-1.13	63	-4.01
4	2.09	24	-0.17	44	-1.09	64	-4.14
5	1.99	25	-0.23	45	-1.06	65	-3.72
6	1.91	26	-0.32	46	-1.12	66	-3.34
7	1.85	27	-0.36	47	-1.24	67	-3.35
8	1.78	28	-0.58	48	-1.78	68	-3.46
9	1.68	29	-0.53	49	-1.51	69	-3.56
10	1.55	30	-0.86	50	-1.33	70	-3.72
11	1.41	31	-1.27	51	-1.37	71	-4.03
12	1.25	32	-1.04	52	-1.49	72	-4.36
13	1.11	33	-0.70	53	-1.70	73	-3.67
14	0.96	34	-0.71	54	-1.94	74	-3.26
15	0.80	35	-0.72	55	-2.31	75	-3.36
16	0.64	36	-0.78	56	-2.10	76	-3.36
17	0.51	37	-0.80	57	-2.87	77	-3.82
18	0.38	38	-0.80	58	-2.56	78	-3.66
19	0.15	39	-0.92	59	-2.66	79	-3.81
20	0.13	40	-0.98	60	-2.89	80	-4.08
1	0.01	6	0.12	11	0.05	16	0.06
2	0.05	7	0.15	12	0.04	17	0.04
3	0.05	8	0.13	13	0.04	18	0.02
4	0.10	9	0.10	14	0.01	19	0.03
5	0.13	10	0.12	15	-0.02	20	0.04

10/ 3/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	-0.14	41	-2.40	61	-3.06
2	2.50	22	-0.23	42	-1.68	62	-3.38
3	2.31	23	-0.36	43	-1.46	63	-3.91
4	2.15	24	-0.46	44	-1.92	64	-4.06
5	1.98	25	-0.56	45	-2.06	65	-3.69
6	1.81	26	-0.66	46	-2.17	66	-3.26
7	1.66	27	-0.78	47	-2.37	67	-3.16
8	1.51	28	-0.74	48	-2.66	68	-3.13
9	1.38	29	-0.92	49	-1.86	69	-3.33
10	1.28	30	-1.16	50	-1.88	70	-3.47
11	1.16	31	-1.48	51	-2.04	71	-3.59
12	1.07	32	-0.96	52	-2.15	72	-3.82
13	0.98	33	-1.13	53	-2.20	73	-2.98
14	0.87	34	-1.17	54	-2.76	74	-2.70
15	0.76	35	-1.31	55	-3.56	75	-2.72
16	0.62	36	-1.42	56	-3.74	76	-2.74
17	0.45	37	-1.75	57	-3.26	77	-2.96
18	0.31	38	-1.79	58	-3.11	78	-3.26
19	0.12	39	-2.03	59	-3.06	79	-3.47
20	0.0	40	-2.31	60	-3.06	80	-3.56
1	-0.04	6	0.0	11	-0.31	16	-0.40
2	0.03	7	-0.03	12	-0.44	17	-0.26
3	0.02	8	-0.07	13	-0.37	18	-0.31
4	0.02	9	-0.09	14	-0.26	19	-0.25
5	0.0	10	-0.10	15	-0.25	20	-0.13

10/10/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.05	41	-2.16	61	-2.87
2	2.46	22	-0.06	42	-1.91	62	-3.07
3	2.28	23	-0.20	43	-1.85	63	-2.77
4	2.15	24	-0.22	44	-1.36	64	-3.06
5	2.00	25	-0.41	45	-1.34	65	-2.57
6	1.85	26	-0.64	46	-1.30	66	-1.99
7	1.70	27	-0.80	47	-1.44	67	-1.91
8	1.56	28	-0.87	48	-2.08	68	-1.89
9	1.48	29	-0.98	49	-1.54	69	-1.95
10	1.35	30	-0.90	50	-1.48	70	-2.11
11	1.21	31	-1.37	51	-1.71	71	-2.66
12	1.09	32	-1.06	52	-2.17	72	-2.84
13	0.98	33	-1.32	53	-2.94	73	-2.53
14	0.88	34	-1.28	54	-2.97	74	-2.28
15	0.76	35	-1.66	55	-3.18	75	-2.53
16	0.52	36	-1.37	56	-3.56	76	-2.87
17	0.44	37	-1.44	57	-3.16	77	-3.14
18	0.33	38	-1.37	58	-2.70	78	-3.34
19	0.24	39	-1.71	59	-2.65	79	-3.53
20	0.16	40	-1.58	60	-2.68	80	-3.52
1	0.08	6	0.14	11	-0.02	16	0.18
2	0.08	7	0.14	12	-0.02	17	0.16
3	0.09	8	0.14	13	0.02	18	0.12
4	0.07	9	0.15	14	0.12	19	0.14
5	0.14	10	0.15	15	0.10	20	0.18

10/17/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	-0.11	41	-2.25	61	-2.06
2	2.44	22	0.08	42	-1.41	62	-2.09
3	2.26	23	-0.04	43	-1.36	63	-2.28
4	2.12	24	-0.11	44	-1.82	64	-2.63
5	1.97	25	-0.20	45	-2.07	65	-2.36
6	1.82	26	-0.35	46	-2.49	66	-2.00
7	1.67	27	-0.39	47	-2.47	67	-2.07
8	1.54	28	-0.57	48	-2.67	68	-2.26
9	1.47	29	-0.70	49	-2.39	69	-2.31
10	1.41	30	-0.98	50	-2.34	70	-2.60
11	1.32	31	-1.54	51	-2.34	71	-2.77
12	1.21	32	-1.09	52	-2.65	72	-3.05
13	1.07	33	-0.78	53	-2.96	73	-2.78
14	0.95	34	-0.86	54	-2.97	74	-2.57
15	0.83	35	-0.85	55	-3.16	75	-2.82
16	0.69	36	-0.87	56	-3.24	76	-2.86
17	0.57	37	-0.87	57	-2.81	77	-3.01
18	0.44	38	-0.91	58	-2.30	78	-3.06
19	0.34	39	-1.10	59	-2.17	79	-3.23
20	0.23	40	-1.76	60	-2.13	80	-3.15
1	0.11	6	0.05	11	0.06	16	-0.39
2	0.12	7	0.05	12	0.0	17	-0.21
3	0.15	8	0.01	13	-0.16	18	-0.32
4	0.13	9	0.02	14	-0.36	19	-0.18
5	0.11	10	0.05	15	-0.34	20	-0.15

10/24/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	-0.11	41	-2.40	61	-1.79
2	2.39	22	-0.06	42	-1.80	62	-2.10
3	2.24	23	-0.10	43	-1.66	63	-2.31
4	2.10	24	-0.20	44	-1.69	64	-2.75
5	1.96	25	-0.33	45	-1..99	65	-2.50
6	1.80	26	-0.41	46	-2.32	66	-2.22
7	1.67	27	-0.41	47	-2.66	67	-2.36
8	1.58	28	-0.46	48	-3.16	68	-2.56
9	1.53	29	-0.50	49	-3.14	69	-2.76
10	1.46	30	-0.61	50	-2.46	70	-2.90
11	1.34	31	-1.06	51	-1.78	71	-3.35
12	1.20	32	-0.72	52	-1.46	72	-3.34
13	1.10	33	-0.73	53	-1.38	73	-2.96
14	1.03	34	-0.84	54	-1.35	74	-2.71
15	0.87	35	-0.77	55	-1.40	75	-2.95
16	0.67	36	-0.82	56	-2.20	76	-3.11
17	0.55	37	-1.26	57	-1.78	77	-3.36
18	0.40	38	-1.29	58	-1.42	78	-3.66
19	0.32	39	-1.64	59	-1.32	79	-3.69
20	0.20	40	-1.89	60	-1.54	80	-3.98
1	0.59	6	0.78	11	0.65	16	0.73
2	0.70	7	0.84	12	0.67	17	0.74
3	0.76	8	0.76	13	0.64	18	0.73
4	0.91	9	0.69	14	0.64	19	0.79
5	0.75	10	0.68	15	0.65	20	0.67

10/31/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.07	41	-2.47	61	-1.81
2	2.46	22	0.08	42	-1.85	62	-1.91
3	2.28	23	-0.04	43	-1.74	63	-2.22
4	2.16	24	-0.10	44	-1.82	64	-2.81
5	1.98	25	-0.17	45	-1.88	65	-2.52
6	1.82	26	-0.25	46	-1.59	66	-2.35
7	1.71	27	-0.30	47	-1.60	67	-2.42
8	1.57	28	-0.36	48	-2.38	68	-2.52
9	1.54	29	-0.47	49	-1.86	69	-2.62
10	1.47	30	-0.56	50	-1.42	70	-2.79
11	1.38	31	-1.13	51	-1.39	71	-3.10
12	1.30	32	-0.84	52	-1.42	72	-3.47
13	1.14	33	-0.74	53	-1.49	73	-3.12
14	1.02	34	-0.75	54	-1.58	74	-2.97
15	0.90	35	-0.77	55	-1.78	75	-3.00
16	0.76	36	-0.96	56	-2.34	76	-3.07
17	0.56	37	-0.83	57	-2.65	77	-3.17
18	0.46	38	-0.98	58	-1.56	78	-3.26
19	0.39	39	-1.41	59	-1.60	79	-3.40
20	0.24	40	-2.03	60	-1.66	80	-3.81
1	0.09	6	0.26	11	0.09	16	0.14
2	0.12	7	0.30	12	0.13	17	0.14
3	0.22	8	0.32	13	0.11	18	0.16
4	0.27	9	0.31	14	0.16	19	0.17
5	0.26	10	0.34	15	0.15	20	0.19

11/ 7/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.25	41	-2.51	61	-1.81
2	2.41	22	0.24	42	-1.96	62	-2.06
3	2.26	23	0.14	43	-1.56	63	-2.47
4	2.10	24	0.04	44	-1.30	64	-3.03
5	1.96	25	-0.07	45	-1.11	65	-2.87
6	1.85	26	-0.14	46	-1.11	66	-3.47
7	1.69	27	-0.31	47	-1.57	67	-3.52
8	1.62	28	-0.36	48	-2.30	68	-2.84
9	1.56	29	-0.34	49	-1.96	69	-3.06
10	1.50	30	-0.58	50	-1.30	70	-3.33
11	1.35	31	-0.76	51	-1.37	71	-3.38
12	1.24	32	-0.66	52	-1.30	72	-3.81
13	1.13	33	-0.57	53	-1.40	73	-3.46
14	1.02	34	-0.71	54	-1.80	74	-3.21
15	0.91	35	-0.77	55	-1.86	75	-3.30
16	0.76	36	-0.96	56	-2.63	76	-3.95
17	0.67	37	-1.06	57	-2.24	77	-3.56
18	0.59	38	-1.31	58	-1.76	78	-3.74
19	0.44	39	-1.63	59	-1.60	79	-3.64
20	0.39	40	-2.27	60	-1.66	80	-3.94
1	0.83	6	0.85	11	0.80	16	0.82
2	0.96	7	0.80	12	0.77	17	0.82
3	1.11	8	0.84	13	0.79	18	0.76
4	1.12	9	0.85	14	0.78	19	0.69
5	0.98	10	0.79	15	0.81	20	0.59

11/14/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.06	41	-2.21	61	-2.85
2	2.40	22	-0.41	42	-1.66	62	-2.98
3	2.26	23	-0.50	43	-1.73	63	-3.06
4	2.11	24	-0.45	44	-1.70	64	-3.06
5	1.98	25	-0.53	45	-1.58	65	-3.07
6	1.89	26	-0.60	46	-1.52	66	-2.26
7	1.82	27	-0.66	47	-2.17	67	-2.12
8	1.67	28	-0.74	48	-2.39	68	-2.30
9	1.55	29	-1.07	49	-2.46	69	-2.36
10	1.43	30	-1.10	50	-1.99	70	-2.61
11	1.33	31	-1.20	51	-1.94	71	-2.71
12	1.24	32	-0.88	52	-1.90	72	-2.91
13	1.16	33	-0.96	53	-1.85	73	-2.56
14	1.05	34	-1.27	54	-1.79	74	-2.16
15	1.00	35	-1.47	55	-2.60	75	-2.26
16	0.92	36	-1.56	56	-2.80	76	-2.40
17	0.70	37	-1.74	57	-2.86	77	-2.78
18	0.54	38	-1.70	58	-2.91	78	-3.27
19	0.39	39	-1.86	59	-2.86	79	-3.74
20	0.23	40	-2.08	60	-2.82	80	-3.96
1	0.81	6	0.80	11	0.86	16	0.65
2	0.83	7	0.65	12	0.74	17	0.57
3	0.77	8	0.70	13	0.72	18	0.54
4	0.82	9	0.60	14	0.72	19	0.47
5	0.74	10	0.71	15	0.71	20	0.41

11/21/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.26	41	-2.42	61	-2.73
2	2.39	22	-0.37	42	-1.46	62	-2.74
3	2.24	23	-0.26	43	-1.36	63	-2.80
4	2.10	24	-0.26	44	-1.40	64	-2.81
5	1.97	25	-0.36	45	-1.67	65	-2.41
6	1.88	26	-0.38	46	-2.04	66	-2.33
7	1.81	27	-0.46	47	-2.06	67	-2.12
8	1.66	28	-0.52	48	-2.26	68	-2.16
9	1.55	29	-0.57	49	-1.65	69	-2.19
10	1.43	30	-0.84	50	-1.68	70	-2.37
11	1.34	31	-1.82	51	-1.76	71	-2.50
12	1.27	32	-0.91	52	-1.84	72	-2.65
13	1.28	33	-0.82	53	-1.98	73	-2.36
14	1.29	34	-0.81	54	-2.40	74	-2.27
15	1.16	35	-0.88	55	-2.60	75	-2.68
16	0.83	36	-1.02	56	-2.70	76	-2.56
17	0.57	37	-1.32	57	-2.62	77	-2.80
18	0.34	38	-1.38	58	-2.70	78	-3.13
19	0.20	39	-1.63	59	-2.74	79	-3.54
20	0.07	40	-2.06	60	-2.78	80	-3.60
1	0.83	6	0.54	11	0.75	16	0.87
2	0.68	7	0.49	12	0.91	17	0.90
3	0.64	8	0.44	13	0.81	18	0.86
4	0.68	9	0.44	14	0.94	19	0.77
5	0.57	10	0.56	15	0.85	20	0.73

11/28/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.22	41	-2.09	61	-2.13
2	2.42	22	0.02	42	-1.40	62	-2.27
3	2.25	23	-0.06	43	-1.33	63	-2.49
4	2.12	24	-0.13	44	-1.40	64	-2.74
5	1.97	25	-0.22	45	-1.57	65	-2.29
6	1.89	26	-0.30	46	-1.89	66	-2.06
7	1.82	27	-0.39	47	-2.56	67	-2.10
8	1.68	28	-0.46	48	-2.70	68	-2.26
9	1.56	29	-0.58	49	-2.36	69	-2.41
10	1.45	30	-0.84	50	-2.16	70	-2.55
11	1.38	31	-1.18	51	-2.20	71	-2.83
12	1.33	32	-0.84	52	-2.20	72	-3.14
13	1.32	33	-0.97	53	-2.14	73	-2.80
14	1.27	34	-1.06	54	-2.20	74	-2.70
15	1.05	35	-1.17	55	-2.56	75	-2.76
16	0.92	36	-1.30	56	-2.91	76	-2.86
17	0.73	37	-1.40	57	-2.38	77	-3.06
18	0.52	38	-1.45	58	-2.07	78	-3.39
19	0.27	39	-1.55	59	-2.03	79	-3.60
20	0.11	40	-1.79	60	-2.06	80	-3.87
1	-0.03	6	-0.01	11	0.07	16	0.31
2	0.0	7	-0.02	12	0.15	17	0.30
3	-0.07	8	-0.04	13	0.21	18	0.26
4	-0.03	9	0.01	14	0.23	19	0.31
5	0.0	10	-0.04	15	0.28	20	0.33

12/ 5/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	-0.14	41	-1.87	61	-2.18
2	2.39	22	-0.30	42	-1.48	62	-2.32
3	2.15	23	-0.22	43	-1.80	63	-2.46
4	2.12	24	-0.24	44	-1.37	64	-2.76
5	1.99	25	-0.24	45	-1.43	65	-2.43
6	1.89	26	-0.30	46	-1.50	66	-2.06
7	1.81	27	-0.39	47	-1.72	67	-2.16
8	1.67	28	-0.45	48	-2.34	68	-2.21
9	1.56	29	-0.52	49	-1.96	69	-2.56
10	1.46	30	-0.66	50	-1.46	70	-2.70
11	1.40	31	-1.00	51	-1.51	71	-2.96
12	1.35	32	-0.84	52	-1.71	72	-3.11
13	1.20	33	-0.96	53	-1.90	73	-2.95
14	1.06	34	-1.20	54	-2.22	74	-2.56
15	0.91	35	-1.31	55	-2.30	75	-2.69
16	0.74	36	-1.42	56	-2.61	76	-2.86
17	0.45	37	-1.56	57	-2.35	77	-3.08
18	0.16	38	-1.80	58	-1.86	78	-3.46
19	0.13	39	-1.99	59	-1.98	79	-3.77
20	0.02	40	-2.36	60	-2.07	80	-4.06
1	-0.07	6	-0.06	11	-0.01	16	-0.05
2	-0.04	7	0.02	12	-0.12	17	-0.02
3	-0.10	8	-0.03	13	-0.02	18	-0.04
4	-0.09	9	0.04	14	-0.01	19	0.0
5	-0.07	10	-0.01	15	0.0	20	0.04

12/19/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.13	41	-1.96	61	-2.04
2	2.40	22	-0.26	42	-1.13	62	-2.27
3	2.23	23	-0.46	43	-0.97	63	-2.46
4	2.10	24	-0.41	44	-1.10	64	-2.80
5	1.96	25	-0.39	45	-1.30	65	-2.29
6	1.88	26	-0.36	46	-1.73	66	-2.09
7	1.81	27	-0.36	47	-2.32	67	-2.16
8	1.67	28	-0.39	48	-2.87	68	-2.31
9	1.61	29	-0.41	49	-2.18	69	-2.56
10	1.58	30	-0.45	50	-2.02	70	-2.85
11	1.44	31	-0.76	51	-2.06	71	-3.07
12	1.25	32	-0.53	52	-2.10	72	-3.42
13	1.09	33	-0.60	53	-2.20	73	-3.19
14	0.91	34	-0.66	54	-2.37	74	-3.06
15	0.75	35	-0.72	55	-2.69	75	-3.04
16	0.62	36	-0.83	56	-3.28	76	-3.16
17	0.48	37	-0.96	57	-3.00	77	-3.30
18	0.31	38	-1.07	58	-2.37	78	-3.58
19	0.17	39	-1.22	59	-2.14	79	-3.86
20	0.05	40	-1.31	60	-2.01	80	-4.30
1	-0.14	6	0.0	11	-0.12	16	-0.05
2	-0.11	7	-0.02	12	-0.07	17	-0.07
3	-0.17	8	-0.02	13	-0.15	18	-0.07
4	-0.04	9	-0.02	14	-0.12	19	-0.12
5	-0.02	10	-0.05	15	-0.29	20	0.02

12/12/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.13	41	-2.39	61	-2.25
2	2.39	22	-0.12	42	-1.11	62	-2.20
3	2.23	23	-0.12	43	-1.58	63	-2.55
4	2.10	24	-0.16	44	-1.53	64	-2.89
5	1.96	25	-0.18	45	-1.49	65	-3.00
6	1.89	26	-0.20	46	-1.56	66	-2.41
7	1.81	27	-0.20	47	-1.84	67	-2.13
8	1.69	28	-0.24	48	-2.45	68	-2.06
9	1.60	29	-0.46	49	-2.24	69	-2.06
10	1.53	30	-0.60	50	-1.81	70	-2.38
11	1.41	31	-1.00	51	-1.84	71	-2.87
12	1.26	32	-0.79	52	-1.97	72	-3.10
13	1.12	33	-0.85	53	-2.13	73	-2.86
14	0.96	34	-1.00	54	-2.32	74	-2.56
15	0.77	35	-1.10	55	-2.49	75	-2.66
16	0.61	36	-1.26	56	-3.16	76	-2.83
17	0.51	37	-1.42	57	-3.16	77	-3.06
18	0.36	38	-1.56	58	-2.85	78	-3.89
19	0.25	39	-1.74	59	-2.36	79	-3.88
20	0.14	40	-2.27	60	-2.23	80	-4.22
1	0.81	6	0.70	11	0.60	16	0.67
2	0.72	7	0.79	12	0.61	17	0.67
3	0.69	8	0.68	13	0.63	18	0.67
4	0.66	9	0.81	14	0.63	19	0.71
5	0.67	10	0.77	15	0.62	20	0.78

12/26/1985

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	-0.15	41	-2.04	61	-2.06
2	2.36	22	-0.24	42	-1.29	62	-2.26
3	2.20	23	-0.34	43	-1.07	63	-2.52
4	1.75	24	-0.38	44	-1.33	64	-2.84
5	1.67	25	-0.37	45	-1.48	65	-2.58
6	1.70	26	-0.30	46	-1.92	66	-2.37
7	1.55	27	-0.33	47	-2.40	67	-2.14
8	1.46	28	-0.34	48	-2.72	68	-2.18
9	1.44	29	-0.43	49	-2.22	69	-2.30
10	1.35	30	-0.47	50	-1.90	70	-2.59
11	1.18	31	-0.94	51	-1.89	71	-2.99
12	0.79	32	-0.68	52	-2.14	72	-3.32
13	0.64	33	-0.65	53	-2.21	73	-3.17
14	0.56	34	-0.77	54	-2.42	74	-2.94
15	0.42	35	-0.88	55	-2.88	75	-3.01
16	0.35	36	-1.06	56	-3.24	76	-3.20
17	0.30	37	-1.25	57	-3.15	77	-3.27
18	0.22	38	-1.32	58	-2.68	78	-3.91
19	0.08	39	-1.48	59	-2.28	79	-3.93
20	0.03	40	-2.07	60	-2.09	80	-4.26
1	-0.35	6	-0.32	11	-0.33	16	-0.32
2	-0.31	7	-0.30	12	-0.30	17	-0.29
3	-0.34	8	-0.33	13	-0.31	18	-0.30
4	-0.39	9	-0.29	14	-0.35	19	-0.30
5	-0.36	10	-0.28	15	-0.34	20	-0.31

1/ 4/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	0.18	41	-1.96	61	-2.06
2	2.55	22	0.11	42	-0.95	62	-2.46
3	2.36	23	0.04	43	-0.81	63	-2.71
4	2.14	24	-0.06	44	-0.79	64	-3.12
5	1.99	25	-0.16	45	-0.89	65	-2.87
6	1.86	26	-0.26	46	-1.16	66	-2.58
7	1.81	27	-0.31	47	-1.40	67	-2.59
8	1.67	28	-0.36	48	-1.73	68	-2.74
9	1.61	29	-0.41	49	-1.26	69	-2.92
10	1.55	30	-0.46	50	-1.15	70	-3.30
11	1.46	31	-1.03	51	-1.20	71	-3.53
12	1.31	32	-0.71	52	-1.36	72	-3.66
13	1.25	33	-0.59	53	-1.52	73	-3.46
14	1.16	34	-0.58	54	-1.82	74	-3.19
15	1.04	35	-0.60	55	-2.07	75	-3.20
16	0.89	36	-0.69	56	-2.49	76	-3.32
17	0.76	37	-0.83	57	-2.00	77	-3.61
18	0.63	38	-1.00	58	-1.86	78	-3.82
19	0.50	39	-1.38	59	-1.86	79	-4.00
20	0.37	40	-1.66	60	-1.93	80	-4.19
1	0.17	6	0.20	11	0.22	16	0.36
2	0.16	7	0.16	12	0.24	17	0.36
3	0.20	8	0.14	13	0.26	18	0.34
4	0.19	9	0.11	14	0.30	19	0.36
5	0.15	10	0.07	15	0.32	20	0.32

1/ 9/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.11	41	-2.06	61	-1.96
2	2.40	22	0.04	42	-1.60	62	-2.21
3	2.24	23	-0.03	43	-1.69	63	-2.43
4	2.10	24	-0.11	44	-1.71	64	-2.76
5	1.95	25	-0.19	45	-1.65	65	-2.15
6	1.87	26	-0.26	46	-1.67	66	-1.94
7	1.81	27	-0.30	47	-2.03	67	-2.06
8	1.68	28	-0.36	48	-2.49	68	-2.22
9	1.62	29	-0.46	49	-2.06	69	-2.46
10	1.58	30	-0.61	50	-1.86	70	-2.81
11	1.47	31	-0.93	51	-1.81	71	-3.32
12	1.36	32	-0.57	52	-1.80	72	-3.66
13	1.24	33	-0.65	53	-1.85	73	-2.96
14	1.10	34	-0.70	54	-2.09	74	-2.92
15	0.97	35	-0.75	55	-2.61	75	-3.02
16	0.86	36	-0.78	56	-2.96	76	-3.20
17	0.75	37	-0.84	57	-2.36	77	-3.48
18	0.60	38	-0.90	58	-1.97	78	-3.87
19	0.46	39	-0.97	59	-1.83	79	-3.98
20	0.31	40	-1.43	60	-1.79	80	-4.31
1	0.12	6	0.28	11	0.09	16	0.21
2	0.15	7	0.28	12	0.17	17	0.20
3	0.24	8	0.24	13	0.08	18	0.20
4	0.25	9	0.26	14	0.20	19	0.22
5	0.17	10	0.16	15	0.20	20	0.23

1/16/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.29	41	-1.86	61	-1.86
2	2.53	22	0.08	42	-1.43	62	-2.08
3	2.38	23	-0.04	43	-1.24	63	-2.37
4	2.22	24	-0.13	44	-1.31	64	-2.56
5	2.07	25	-0.21	45	-1.45	65	-2.30
6	1.94	26	-0.28	46	-1.79	66	-2.11
7	1.85	27	-0.33	47	-2.24	67	-2.24
8	1.80	28	-0.40	48	-2.22	68	-2.37
9	1.67	29	-0.42	49	-1.91	69	-2.64
10	1.63	30	-0.52	50	-1.68	70	-2.76
11	1.51	31	-1.18	51	-1.74	71	-2.96
12	1.41	32	-0.81	52	-1.81	72	-3.48
13	1.28	33	-0.66	53	-2.01	73	-3.09
14	1.17	34	-0.66	54	-2.06	74	-2.99
15	1.07	35	-0.71	55	-2.56	75	-3.10
16	0.99	36	-0.81	56	-2.80	76	-3.30
17	0.92	37	-0.83	57	-2.38	77	-3.56
18	0.74	38	-0.95	58	-1.91	78	-3.80
19	0.52	39	-1.34	59	-1.81	79	-3.96
20	0.38	40	-1.68	60	-1.67	80	-4.06
1	0.18	6	0.18	11	0.17	16	0.29
2	0.15	7	0.18	12	0.17	17	0.35
3	0.14	8	0.18	13	0.18	18	0.39
4	0.18	9	0.18	14	0.24	19	0.42
5	0.20	10	0.16	15	0.29	20	0.33

1/23/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.03	41	-2.11	61	-2.08
2	2.44	22	-0.03	42	-2.06	62	-2.27
3	2.26	23	-0.04	43	-1.95	63	-2.46
4	2.12	24	-0.21	44	-1.86	64	-2.82
5	1.97	25	-0.27	45	-1.70	65	-2.41
6	1.86	26	-0.35	46	-1.67	66	-2.04
7	1.81	27	-0.41	47	-1.81	67	-2.15
8	1.69	28	-0.50	48	-2.51	68	-2.26
9	1.64	29	-0.53	49	-2.51	69	-2.37
10	1.60	30	-0.66	50	-2.35	70	-3.13
11	1.50	31	-1.31	51	-2.46	71	-3.30
12	1.37	32	-1.10	52	-2.16	72	-3.56
13	1.25	33	-0.90	53	-2.37	73	-3.31
14	1.15	34	-0.85	54	-2.30	74	-2.96
15	0.99	35	-0.89	55	-2.27	75	-3.14
16	0.91	36	-1.02	56	-2.82	76	-3.34
17	0.65	37	-1.00	57	-2.98	77	-3.61
18	0.52	38	-1.10	58	-2.20	78	-4.08
19	0.36	39	-1.23	59	-2.04	79	-4.26
20	0.21	40	-1.44	60	-1.89	80	-4.56
1	0.89	6	0.90	11	0.86	16	1.00
2	0.99	7	0.94	12	0.89	17	1.07
3	0.87	8	0.98	13	0.95	18	1.07
4	0.87	9	1.01	14	0.95	19	0.84
5	0.87	10	0.93	15	0.99	20	0.70

1/30/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.06	41	-1.36	61	-1.78
2	2.43	22	-0.06	42	-0.86	62	-2.07
3	2.26	23	-0.16	43	-0.87	63	-2.34
4	2.13	24	-0.26	44	-0.98	64	-2.54
5	1.97	25	-0.32	45	-1.07	65	-2.34
6	1.86	26	-0.40	46	-1.29	66	-2.27
7	1.82	27	-0.50	47	-1.48	67	-2.52
8	1.70	28	-0.57	48	-1.61	68	-2.65
9	1.65	29	-0.66	49	-1.16	69	-2.86
10	1.60	30	-1.07	50	-1.16	70	-3.00
11	1.47	31	-1.36	51	-1.22	71	-3.30
12	1.35	32	-0.91	52	-1.29	72	-3.57
13	1.26	33	-0.76	53	-1.39	73	-3.31
14	1.18	34	-0.76	54	-1.66	74	-3.23
15	1.08	35	-0.74	55	-1.80	75	-3.34
16	0.85	36	-0.76	56	-2.07	76	-3.53
17	0.70	37	-0.76	57	-1.86	77	-3.68
18	0.51	38	-0.83	58	-1.59	78	-3.85
19	0.34	39	-1.09	59	-1.59	79	-4.06
20	0.19	40	-1.21	60	-1.75	80	-4.24
1	0.02	6	0.05	11	0.07	16	0.13
2	0.01	7	0.04	12	0.08	17	0.12
3	0.01	8	0.04	13	0.06	18	0.11
4	0.01	9	0.08	14	0.08	19	0.10
5	0.03	10	0.08	15	0.08	20	0.10

2/13/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.34	41	-2.27	61	-1.86
2	2.44	22	0.27	42	-2.09	62	-1.81
3	2.29	23	0.14	43	-1.55	63	-2.10
4	2.13	24	0.02	44	-1.55	64	-2.92
5	2.02	25	-0.06	45	-1.44	65	-2.83
6	1.84	26	-0.17	46	-1.46	66	-2.23
7	1.80	27	-0.25	47	-1.62	67	-2.26
8	1.68	28	-0.36	48	-2.48	68	-2.38
9	1.62	29	-0.41	49	-2.71	69	-2.59
10	1.58	30	-0.53	50	-1.95	70	-2.88
11	1.44	31	-0.89	51	-1.65	71	-3.31
12	1.37	32	-0.64	52	-1.66	72	-4.26
13	1.30	33	-0.67	53	-1.78	73	-3.91
14	1.27	34	-0.73	54	-1.90	74	-3.61
15	1.24	35	-0.80	55	-2.36	75	-3.59
16	1.04	36	-0.80	56	-3.01	76	-3.85
17	0.91	37	-0.92	57	-2.84	77	-3.85
18	0.77	38	-0.90	58	-2.08	78	-4.18
19	0.63	39	-0.98	59	-1.92	79	-4.31
20	0.49	40	-1.18	60	-2.06	80	-5.12
1	0.41	6	0.23	11	0.35	16	0.40
2	0.36	7	0.20	12	0.36	17	0.46
3	0.31	8	0.12	13	0.34	18	0.53
4	0.34	9	0.07	14	0.41	19	0.41
5	0.28	10	0.02	15	0.39	20	0.40

2/ 6/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.24	41	-1.33	61	-2.07
2	2.42	22	0.12	42	-0.89	62	-2.47
3	2.27	23	0.0	43	-0.93	63	-3.02
4	2.12	24	-0.09	44	-0.97	64	-3.50
5	2.01	25	-0.17	45	-1.02	65	-3.38
6	1.84	26	-0.27	46	-1.14	66	-2.91
7	1.81	27	-0.34	47	-1.67	67	-2.84
8	1.70	28	-0.36	48	-1.86	68	-2.86
9	1.63	29	-0.41	49	-1.43	69	-3.03
10	1.57	30	-0.59	50	-1.42	70	-3.29
11	1.44	31	-0.89	51	-1.40	71	-4.01
12	1.34	32	-0.47	52	-1.42	72	-4.26
13	1.26	33	-0.49	53	-1.46	73	-4.17
14	1.21	34	-0.53	54	-1.46	74	-3.87
15	1.13	35	-0.57	55	-1.87	75	-3.74
16	0.98	36	-0.58	56	-2.06	76	-3.86
17	0.86	37	-0.61	57	-1.96	77	-4.24
18	0.74	38	-0.68	58	-1.78	78	-4.44
19	0.58	39	-0.79	59	-1.80	79	-4.52
20	0.44	40	-1.11	60	-1.88	80	-4.66
1	0.17	6	0.25	11	0.24	16	0.27
2	0.16	7	0.24	12	0.28	17	0.21
3	0.19	8	0.26	13	0.26	18	0.24
4	0.17	9	0.26	14	0.29	19	0.22
5	0.23	10	0.21	15	0.27	20	0.27

2/20/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.78	21	-0.26	41	-2.44	61	-3.81
2	2.53	22	-0.19	42	-2.12	62	-4.11
3	2.34	23	-0.28	43	-2.38	63	-3.97
4	2.18	24	-0.31	44	-2.19	64	-4.60
5	2.08	25	-0.38	45	-2.06	65	-4.63
6	1.96	26	-0.54	46	-2.56	66	-4.34
7	1.84	27	-0.60	47	-2.63	67	-4.54
8	1.63	28	-0.60	48	-3.21	68	-4.40
9	1.47	29	-0.71	49	-2.77	69	-4.36
10	1.37	30	-1.02	50	-2.56	70	-4.16
11	1.22	31	-1.16	51	-3.63	71	-4.16
12	1.05	32	-1.36	52	-2.36	72	-4.69
13	0.90	33	-1.39	53	-2.34	73	-4.52
14	0.74	34	-1.39	54	-2.68	74	-4.25
15	0.60	35	-1.39	55	-3.46	75	-3.98
16	0.32	36	-1.46	56	-3.76	76	-3.96
17	0.36	37	-1.20	57	-4.08	77	-3.86
18	0.24	38	-1.46	58	-3.99	78	-3.76
19	0.04	39	-1.61	59	-3.83	79	-3.86
20	0.0	40	-1.82	60	-3.56	80	-4.76
1	0.38	6	0.23	11	0.45	16	0.62
2	0.42	7	0.23	12	0.58	17	0.68
3	0.39	8	0.20	13	0.60	18	0.81
4	0.32	9	0.19	14	0.58	19	0.70
5	0.26	10	0.16	15	0.63	20	0.76

2/27/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	-0.45	41	-1.89	61	-3.16
2	2.46	22	-0.56	42	-1.50	62	-3.62
3	2.27	23	-0.60	43	-1.65	63	-3.89
4	2.14	24	-0.72	44	-1.75	64	-3.96
5	2.03	25	-0.77	45	-1.86	65	-3.86
6	1.93	26	-0.82	46	-1.96	66	-3.72
7	1.84	27	-0.86	47	-2.16	67	-3.79
8	1.65	28	-0.90	48	-2.66	68	-3.80
9	1.54	29	-0.99	49	-2.02	69	-3.83
10	1.39	30	-1.37	50	-1.97	70	-3.93
11	1.26	31	-1.67	51	-1.98	71	-4.06
12	1.11	32	-1.26	52	-2.01	72	-4.21
13	1.01	33	-1.35	53	-2.10	73	-3.74
14	0.91	34	-1.31	54	-2.35	74	-3.57
15	0.75	35	-1.20	55	-2.76	75	-3.49
16	0.51	36	-1.14	56	-3.36	76	-3.50
17	0.31	37	-1.18	57	-3.17	77	-3.57
18	0.10	38	-1.27	58	-3.00	78	-3.61
19	-0.09	39	-1.48	59	-2.90	79	-3.81
20	-0.27	40	-1.58	60	-2.91	80	-3.81
1	-0.42	6	-0.10	11	-0.36	16	-0.10
2	-0.40	7	-0.13	12	-0.28	17	-0.07
3	-0.32	8	-0.15	13	-0.24	18	-0.03
4	-0.20	9	-0.19	14	-0.22	19	0.01
5	-0.08	10	-0.23	15	-0.20	20	-0.01

3/13/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.96	41	-3.06	61	-2.70
2	2.39	22	-1.40	42	-2.91	62	-2.62
3	2.27	23	-1.58	43	-2.74	63	-2.26
4	2.20	24	-1.76	44	-3.06	64	-2.56
5	2.02	25	-1.56	45	-3.06	65	-2.86
6	1.88	26	-1.27	46	-3.14	66	-2.47
7	1.72	27	-1.14	47	-3.17	67	-2.53
8	1.52	28	-1.21	48	-3.41	68	-2.60
9	1.39	29	-1.19	49	-3.32	69	-2.87
10	1.22	30	-1.60	50	-3.30	70	-3.06
11	1.14	31	-1.72	51	-3.28	71	-3.49
12	1.07	32	-1.40	52	-3.24	72	-3.95
13	0.95	33	-1.36	53	-3.16	73	-2.36
14	0.86	34	-1.39	54	-3.16	74	-2.20
15	0.79	35	-1.44	55	-3.30	75	-3.21
16	0.46	36	-1.49	56	-3.51	76	-3.19
17	0.20	37	-1.60	57	-3.56	77	-3.81
18	-0.06	38	-1.61	58	-2.49	78	-3.95
19	-0.41	39	-1.91	59	-3.28	79	-4.06
20	-0.61	40	-2.46	60	-3.06	80	-4.06
1	0.26	6	0.17	11	0.43	16	0.41
2	0.15	7	0.21	12	0.43	17	0.40
3	0.12	8	0.22	13	0.40	18	0.37
4	0.01	9	0.27	14	0.39	19	0.35
5	-0.01	10	0.35	15	0.42	20	0.28

3/ 6/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	-0.09	41	-2.86	61	-2.96
2	2.41	22	-0.36	42	-2.51	62	-3.11
3	2.28	23	-0.52	43	-2.66	63	-4.26
4	2.23	24	-0.72	44	-2.46	64	-4.11
5	2.06	25	-1.00	45	-1.47	65	-3.52
6	1.87	26	-0.98	46	-1.71	66	-3.47
7	1.73	27	-1.04	47	-1.90	67	-3.30
8	1.58	28	-1.11	48	-2.56	68	-3.18
9	1.47	29	-1.26	49	-2.76	69	-3.16
10	1.31	30	-1.56	50	-2.14	70	-3.76
11	1.18	31	-1.93	51	-2.00	71	-3.96
12	1.05	32	-1.81	52	-2.21	72	-4.66
13	0.93	33	-1.86	53	-2.46	73	-4.66
14	0.80	34	-2.06	54	-2.76	74	-4.26
15	0.66	35	-2.56	55	-3.28	75	-3.36
16	0.56	36	-2.43	56	-3.61	76	-3.24
17	0.39	37	-2.26	57	-4.09	77	-4.31
18	0.33	38	-2.30	58	-3.24	78	-4.68
19	0.21	39	-2.36	59	-3.06	79	-4.71
20	0.04	40	-2.46	60	-2.91	80	-5.06
1	0.64	6	0.64	11	0.64	16	0.74
2	0.72	7	0.67	12	0.68	17	0.71
3	0.71	8	0.68	13	0.68	18	0.78
4	0.63	9	0.68	14	0.71	19	0.71
5	0.63	10	0.76	15	0.72	20	0.70

3/20/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	-1.31	41	-3.17	61	-2.57
2	2.37	22	-1.51	42	-3.06	62	-2.78
3	2.25	23	-1.56	43	-3.58	63	-3.17
4	2.16	24	-1.72	44	-3.07	64	-3.78
5	2.01	25	-1.82	45	-3.10	65	-3.26
6	1.88	26	-2.00	46	-3.06	66	-2.82
7	1.73	27	-2.01	47	-3.17	67	-2.83
8	1.64	28	-2.03	48	-3.26	68	-2.97
9	1.59	29	-2.17	49	-3.19	69	-3.16
10	1.51	30	-2.26	50	-3.04	70	-3.38
11	1.45	31	-2.45	51	-2.84	71	-3.82
12	1.33	32	-2.54	52	-2.86	72	-4.11
13	1.20	33	-2.58	53	-2.87	73	-3.82
14	1.04	34	-2.57	54	-2.96	74	-3.40
15	0.79	35	-2.73	55	-3.21	75	-3.48
16	0.48	36	-2.70	56	-3.59	76	-3.62
17	0.29	37	-2.46	57	-3.10	77	-3.77
18	-0.06	38	-2.37	58	-2.59	78	-3.81
19	-0.37	39	-2.27	59	-2.46	79	-3.94
20	-0.60	40	-2.45	60	-2.48	80	-4.07
1	0.60	6	1.14	11	0.60	16	0.73
2	0.68	7	1.13	12	0.68	17	0.80
3	0.76	8	1.11	13	0.62	18	0.79
4	0.84	9	0.99	14	0.60	19	0.77
5	0.96	10	0.98	15	0.69	20	0.74

3/27/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	-0.14	41	-1.70	61	-2.78
2	2.34	22	-0.30	42	-1.66	62	-2.88
3	2.18	23	-0.37	43	-1.66	63	-3.16
4	2.02	24	-0.48	44	-2.06	64	-3.82
5	1.89	25	-0.49	45	-2.49	65	-2.87
6	1.74	26	-0.65	46	-2.98	66	-2.29
7	1.60	27	-0.66	47	-3.30	67	-2.20
8	1.45	28	-0.70	48	-3.30	68	-2.26
9	1.30	29	-0.81	49	-3.17	69	-2.61
10	1.18	30	-1.16	50	-2.40	70	-2.84
11	1.03	31	-0.91	51	-2.57	71	-3.42
12	0.88	32	-1.06	52	-2.56	72	-3.96
13	0.74	33	-1.41	53	-2.44	73	-3.37
14	0.61	34	-1.23	54	-3.86	74	-3.06
15	0.49	35	-1.24	55	-3.34	75	-3.07
16	0.34	36	-1.29	56	-3.76	76	-3.22
17	0.26	37	-1.30	57	-4.06	77	-3.49
18	0.14	38	-1.38	58	-3.06	78	-3.62
19	0.09	39	-1.76	59	-2.97	79	-3.96
20	0.0	40	-2.40	60	-2.76	80	-4.21
1	-0.08	6	-0.03	11	-0.09	16	0.17
2	-0.06	7	-0.07	12	-0.08	17	0.17
3	-0.07	8	-0.11	13	-0.06	18	0.15
4	-0.06	9	-0.14	14	0.04	19	0.15
5	-0.05	10	-0.12	15	0.14	20	0.18

4/10/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.74	41	-2.55	61	-3.01
2	2.36	22	0.55	42	-2.67	62	-3.07
3	2.18	23	0.23	43	-2.76	63	-3.26
4	2.05	24	-0.14	44	-2.77	64	-3.44
5	1.92	25	-0.31	45	-2.80	65	-2.87
6	1.76	26	-0.54	46	-2.81	66	-2.80
7	1.64	27	-0.71	47	-2.81	67	-2.81
8	1.50	28	-0.77	48	-2.86	68	-2.86
9	1.37	29	-0.86	49	-2.79	69	-2.87
10	1.25	30	-0.98	50	-2.69	70	-2.96
11	1.15	31	-1.27	51	-2.67	71	-3.18
12	1.05	32	-1.22	52	-2.71	72	-3.40
13	0.99	33	-1.56	53	-2.66	73	-2.66
14	0.97	34	-1.65	54	-2.76	74	-2.54
15	0.99	35	-1.84	55	-2.90	75	-2.66
16	1.03	36	-2.08	56	-3.16	76	-2.89
17	0.97	37	-2.16	57	-2.75	77	-3.05
18	0.93	38	-2.20	58	-2.57	78	-3.20
19	0.84	39	-2.37	59	-2.77	79	-3.41
20	0.84	40	-2.47	60	-2.88	80	-3.58
1	0.54	6	0.25	11	0.67	16	0.15
2	0.36	7	0.24	12	0.56	17	0.09
3	0.31	8	0.26	13	0.45	18	-0.03
4	0.28	9	0.25	14	0.40	19	-0.16
5	0.26	10	0.20	15	0.24	20	-0.31

4/ 3/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.40	41	-2.26	61	-2.79
2	2.33	22	0.32	42	-2.66	62	-2.96
3	2.17	23	0.20	43	-2.71	63	-3.52
4	2.03	24	0.04	44	-2.85	64	-3.86
5	1.89	25	-0.06	45	-2.91	65	-3.65
6	1.76	26	-0.16	46	-2.97	66	-3.41
7	1.63	27	-0.36	47	-2.96	67	-3.23
8	1.49	28	-0.56	48	-2.96	68	-3.20
9	1.39	29	-1.02	49	-2.98	69	-3.26
10	1.26	30	-1.07	50	-3.06	70	-3.41
11	1.14	31	-1.16	51	-3.06	71	-3.42
12	1.04	32	-0.86	52	-2.67	72	-3.57
13	0.94	33	-0.86	53	-2.56	73	-2.90
14	0.85	34	-0.96	54	-3.35	74	-2.56
15	0.76	35	-1.12	55	-3.50	75	-2.59
16	0.64	36	-1.57	56	-3.56	76	-2.76
17	0.63	37	-1.80	57	-3.20	77	-3.06
18	0.62	38	-1.88	58	-2.74	78	-3.31
19	0.60	39	-2.06	59	-2.69	79	-3.41
20	0.56	40	-2.16	60	-2.76	80	-3.60
1	0.34	6	0.02	11	0.44	16	0.46
2	0.26	7	0.0	12	0.46	17	0.40
3	0.19	8	-0.04	13	0.45	18	0.34
4	0.11	9	-0.04	14	0.42	19	0.35
5	0.05	10	-0.10	15	0.39	20	0.26

4/17/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.04	41	-2.78	61	-2.61
2	2.34	22	-0.11	42	-2.79	62	-2.75
3	2.19	23	-0.21	43	-2.75	63	-2.92
4	2.05	24	-0.36	44	-2.54	64	-3.66
5	1.92	25	-0.46	45	-2.30	65	-3.00
6	1.77	26	-0.59	46	-2.54	66	-2.49
7	1.66	27	-0.74	47	-2.98	67	-2.44
8	1.53	28	-0.86	48	-3.26	68	-2.52
9	1.39	29	-0.97	49	-3.17	69	-2.58
10	1.28	30	-1.07	50	-2.60	70	-2.67
11	1.21	31	-1.56	51	-2.50	71	-3.00
12	1.19	32	-1.27	52	-2.43	72	-3.38
13	1.20	33	-1.37	53	-2.78	73	-3.06
14	1.25	34	-1.51	54	-2.62	74	-2.61
15	1.26	35	-2.29	55	-2.89	75	-2.66
16	1.08	36	-2.43	56	-3.64	76	-2.73
17	0.80	37	-2.52	57	-3.56	77	-2.80
18	0.55	38	-2.59	58	-3.20	78	-3.02
19	0.36	39	-2.68	59	-2.62	79	-3.23
20	0.23	40	-2.80	60	-2.54	80	-3.67
1	0.02	6	0.10	11	0.11	16	0.27
2	0.03	7	0.10	12	0.15	17	0.32
3	0.04	8	0.09	13	0.18	18	0.25
4	0.05	9	0.10	14	0.23	19	0.19
5	0.09	10	0.08	15	0.32	20	0.25

4/24/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	-0.08	41	-2.93	61	-1.58
2	2.37	22	0.04	42	-2.26	62	-1.70
3	2.25	23	-0.14	43	-2.15	63	-2.15
4	2.10	24	-0.16	44	-2.17	64	-2.79
5	1.95	25	-0.24	45	-2.18	65	-2.60
6	1.82	26	-0.31	46	-2.20	66	-1.92
7	1.72	27	-0.38	47	-2.44	67	-1.86
8	1.64	28	-0.48	48	-2.60	68	-1.89
9	1.55	29	-0.57	49	-1.73	69	-2.11
10	1.44	30	-0.68	50	-1.35	70	-2.24
11	1.31	31	-1.34	51	-1.32	71	-2.96
12	1.19	32	-0.96	52	-1.32	72	-3.47
13	1.07	33	-0.96	53	-1.38	73	-3.38
14	0.95	34	-1.12	54	-1.60	74	-2.67
15	0.84	35	-1.10	55	-2.06	75	-2.56
16	0.67	36	-1.16	56	-2.42	76	-2.44
17	0.58	37	-1.40	57	-2.17	77	-2.61
18	0.43	38	-1.34	58	-1.52	78	-2.57
19	0.36	39	-1.46	59	-1.47	79	-2.72
20	0.26	40	-2.32	60	-1.48	80	-3.57
1	0.21	6	0.25	11	0.21	16	0.07
2	0.17	7	0.30	12	0.19	17	0.13
3	0.11	8	0.22	13	0.12	18	0.22
4	0.15	9	0.21	14	0.08	19	0.43
5	0.18	10	0.12	15	0.07	20	0.52

5/ 8/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.60	41	-1.29	61	-1.82
2	2.35	22	0.54	42	-1.21	62	-2.40
3	2.17	23	0.48	43	-1.26	63	-2.46
4	2.04	24	0.46	44	-1.41	64	-2.96
5	1.91	25	0.43	45	-1.46	65	-2.59
6	1.77	26	0.39	46	-1.56	66	-2.06
7	1.68	27	0.32	47	-1.49	67	-1.94
8	1.59	28	0.25	48	-1.86	68	-1.91
9	1.39	29	0.14	49	-1.60	69	-1.96
10	1.37	30	0.01	50	-1.54	70	-2.13
11	1.26	31	-0.15	51	-1.50	71	-2.63
12	1.18	32	-0.24	52	-1.54	72	-3.06
13	1.12	33	-0.32	53	-1.56	73	-2.76
14	1.08	34	-0.47	54	-1.91	74	-2.11
15	1.02	35	-0.59	55	-2.36	75	-1.90
16	0.93	36	-0.72	56	-2.65	76	-1.86
17	0.86	37	-0.84	57	-2.47	77	-1.89
18	0.81	38	-0.89	58	-1.97	78	-2.11
19	0.76	39	-0.96	59	-1.86	79	-2.36
20	0.70	40	-1.09	60	-1.81	80	-2.91
1	0.65	6	0.70	11	0.54	16	0.51
2	0.78	7	0.64	12	0.47	17	0.43
3	0.91	8	0.66	13	0.44	18	0.33
4	0.95	9	0.66	14	0.44	19	0.26
5	0.83	10	0.72	15	0.46	20	0.22

5/ 1/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.44	41	-1.56	61	-1.66
2	2.32	22	0.34	42	-0.90	62	-1.77
3	2.16	23	0.26	43	-0.94	63	-2.30
4	2.02	24	0.20	44	-0.98	64	-2.80
5	1.91	25	0.14	45	-1.06	65	-2.18
6	1.78	26	0.08	46	-1.24	66	-1.76
7	1.68	27	-0.04	47	-1.46	67	-1.71
8	1.59	28	-0.08	48	-1.90	68	-1.84
9	1.50	29	-0.17	49	-1.37	69	-2.00
10	1.39	30	-0.27	50	-1.21	70	-2.27
11	1.28	31	-0.44	51	-1.26	71	-2.71
12	1.17	32	-0.56	52	-1.31	72	-3.04
13	1.09	33	-0.61	53	-1.37	73	-2.53
14	0.99	34	-0.71	54	-1.60	74	-2.06
15	0.88	35	-0.72	55	-2.04	75	-2.10
16	0.82	36	-0.76	56	-2.39	76	-2.42
17	0.76	37	-0.78	57	-1.92	77	-2.64
18	0.69	38	-0.80	58	-1.48	78	-2.84
19	0.64	39	-0.84	59	-1.39	79	-3.03
20	0.54	40	-1.06	60	-1.39	80	-3.10
1	0.50	6	0.35	11	0.40	16	0.34
2	0.60	7	0.35	12	0.39	17	0.20
3	0.53	8	0.36	13	0.42	18	0.15
4	0.47	9	0.24	14	0.41	19	0.19
5	0.44	10	0.16	15	0.40	20	0.19

5/15/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.78	41	-2.70	61	-2.58
2	2.31	22	0.75	42	-2.15	62	-2.71
3	2.16	23	0.59	43	-1.88	63	-2.74
4	2.05	24	0.40	44	-1.81	64	-3.11
5	1.91	25	0.24	45	-1.66	65	-2.89
6	1.77	26	0.0	46	-1.88	66	-2.77
7	1.69	27	-0.15	47	-2.33	67	-2.50
8	1.57	28	-0.26	48	-3.05	68	-2.51
9	1.49	29	-0.41	49	-2.43	69	-2.54
10	1.38	30	-0.56	50	-2.36	70	-2.86
11	1.18	31	-0.76	51	-2.26	71	-3.21
12	1.02	32	-0.89	52	-2.26	72	-3.88
13	0.98	33	-1.30	53	-2.43	73	-3.73
14	1.00	34	-1.36	54	-2.17	74	-3.24
15	1.03	35	-1.29	55	-2.66	75	-3.04
16	1.03	36	-1.63	56	-2.96	76	-2.63
17	1.03	37	-1.46	57	-2.79	77	-2.58
18	1.04	38	-1.58	58	-2.66	78	-2.75
19	1.04	39	-1.87	59	-2.78	79	-3.21
20	1.02	40	-2.01	60	-2.67	80	-3.61
1	0.83	6	0.08	11	0.87	16	0.60
2	0.82	7	-0.22	12	0.84	17	0.68
3	0.84	8	-0.15	13	0.76	18	0.66
4	0.36	9	-0.33	14	0.65	19	0.66
5	0.16	10	-0.13	15	0.55	20	0.59

5/22/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.60	41	-2.57	61	-2.40
2	2.32	22	0.24	42	-1.84	62	-2.97
3	2.19	23	0.12	43	-1.70	63	-3.23
4	2.06	24	-0.20	44	-1.79	64	-3.78
5	1.92	25	-0.36	45	-1.80	65	-3.29
6	1.80	26	-0.71	46	-2.04	66	-2.62
7	1.69	27	-1.28	47	-2.60	67	-2.58
8	1.61	28	-1.44	48	-3.09	68	-2.82
9	1.52	29	-1.48	49	-2.79	69	-2.80
10	1.39	30	-1.54	50	-1.90	70	-3.07
11	1.24	31	-2.08	51	-1.88	71	-3.08
12	1.24	32	-1.49	52	-1.83	72	-3.79
13	1.29	33	-1.34	53	-1.86	73	-3.44
14	1.32	34	-1.27	54	-2.34	74	-2.66
15	1.34	35	-1.31	55	-2.91	75	-2.66
16	1.43	36	-1.45	56	-3.51	76	-2.55
17	1.50	37	-1.74	57	-3.20	77	-2.68
18	1.52	38	-1.96	58	-2.44	78	-2.89
19	1.18	39	-2.09	59	-2.31	79	-3.11
20	0.90	40	-2.27	60	-2.32	80	-3.27
1	0.39	6	0.08	11	0.60	16	1.08
2	0.27	7	0.24	12	0.76	17	1.13
3	0.28	8	0.12	13	0.97	18	0.87
4	0.26	9	0.12	14	1.09	19	0.91
5	0.13	10	0.08	15	1.16	20	0.72

6/ 5/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	-0.51	41	-3.11	61	-3.06
2	2.33	22	-0.63	42	-2.44	62	-3.40
3	2.16	23	-1.04	43	-2.26	63	-3.42
4	2.04	24	-1.11	44	-2.17	64	-3.62
5	1.92	25	-1.15	45	-2.20	65	-3.07
6	1.85	26	-1.13	46	-2.46	66	-2.69
7	1.79	27	-1.16	47	-2.84	67	-2.68
8	1.82	28	-1.17	48	-3.36	68	-2.80
9	1.84	29	-1.30	49	-2.92	69	-2.94
10	1.88	30	-1.56	50	-2.66	70	-2.98
11	1.98	31	-2.09	51	-2.58	71	-3.19
12	1.99	32	-1.74	52	-2.53	72	-3.36
13	1.88	33	-1.75	53	-2.70	73	-2.78
14	1.51	34	-1.86	54	-3.24	74	-2.35
15	1.12	35	-1.99	55	-3.62	75	-2.36
16	0.80	36	-1.96	56	-3.32	76	-2.61
17	0.44	37	-2.09	57	-3.39	77	-2.79
18	0.23	38	-2.20	58	-2.86	78	-2.96
19	0.03	39	-2.28	59	-2.70	79	-3.10
20	-0.13	40	-2.71	60	-3.08	80	-3.36
1	0.80	6	0.60	11	0.77	16	1.12
2	0.65	7	0.63	12	0.84	17	0.98
3	0.64	8	0.55	13	0.91	18	1.19
4	0.56	9	0.50	14	0.96	19	1.29
5	0.59	10	0.56	15	0.92	20	1.10

5/29/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	-0.28	41	-3.06	61	-2.76
2	2.32	22	-0.57	42	-2.52	62	-3.00
3	2.18	23	-0.78	43	-2.18	63	-3.16
4	2.06	24	-1.06	44	-2.16	64	-3.61
5	1.93	25	-1.51	45	-2.17	65	-3.06
6	1.86	26	-1.97	46	-2.21	66	-2.54
7	1.79	27	-1.96	47	-2.84	67	-2.46
8	1.81	28	-2.15	48	-3.40	68	-2.41
9	1.85	29	-2.16	49	-3.32	69	-2.60
10	1.91	30	-2.20	50	-3.26	70	-3.19
11	1.93	31	-2.46	51	-3.36	71	-3.52
12	1.95	32	-2.13	52	-3.15	72	-3.90
13	1.93	33	-2.06	53	-3.16	73	-3.26
14	1.69	34	-2.02	54	-3.34	74	-3.04
15	1.36	35	-1.96	55	-3.56	75	-3.06
16	1.04	36	-1.90	56	-3.60	76	-3.14
17	0.83	37	-1.94	57	-3.26	77	-3.18
18	0.50	38	-1.94	58	-2.83	78	-3.46
19	0.33	39	-2.07	59	-2.66	79	-3.76
20	0.05	40	-2.71	60	-2.60	80	-3.86
1	-0.47	6	-0.38	11	-0.19	16	0.16
2	-0.39	7	-0.34	12	-0.11	17	0.20
3	-0.36	8	-0.34	13	-0.06	18	0.23
4	-0.37	9	-0.38	14	-0.03	19	0.21
5	-0.31	10	-0.38	15	0.02	20	0.21

6/12/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	-0.21	41	-2.94	61	-2.82
2	2.32	22	-0.31	42	-1.97	62	-2.93
3	2.17	23	-0.43	43	-1.86	63	-3.07
4	2.04	24	-0.60	44	-1.91	64	-3.28
5	1.93	25	-0.74	45	-2.07	65	-2.84
6	1.86	26	-0.86	46	-2.24	66	-2.54
7	1.84	27	-1.00	47	-2.47	67	-2.45
8	1.84	28	-1.17	48	-2.79	68	-2.36
9	1.82	29	-1.35	49	-2.25	69	-2.37
10	1.90	30	-1.52	50	-2.28	70	-2.41
11	1.96	31	-2.21	51	-2.48	71	-2.46
12	2.01	32	-2.02	52	-2.56	72	-2.82
13	1.78	33	-2.05	53	-2.56	73	-2.30
14	1.30	34	-2.01	54	-2.79	74	-2.27
15	0.96	35	-2.14	55	-3.08	75	-2.43
16	0.56	36	-2.10	56	-3.50	76	-2.68
17	0.35	37	-2.11	57	-3.16	77	-2.71
18	0.16	38	-2.32	58	-2.92	78	-2.78
19	0.0	39	-2.18	59	-2.81	79	-2.90
20	-0.09	40	-2.47	60	-2.80	80	-3.27
1	-0.24	6	-0.27	11	-0.25	16	-0.24
2	-0.23	7	-0.26	12	-0.27	17	-0.18
3	-0.23	8	-0.25	13	-0.28	18	-0.08
4	-0.21	9	-0.24	14	-0.28	19	0.05
5	-0.26	10	-0.27	15	-0.26	20	0.14

6/19/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	-0.44	41	-3.10	61	-2.68
2	2.38	22	-0.38	42	-2.36	62	-2.60
3	2.18	23	-0.56	43	-2.15	63	-2.63
4	2.07	24	-0.65	44	-2.16	64	-2.91
5	1.93	25	-0.80	45	-2.28	65	-2.42
6	1.87	26	-1.06	46	-2.49	66	-2.12
7	1.76	27	-1.32	47	-3.07	67	-2.18
8	1.80	28	-1.47	48	-3.14	68	-2.21
9	1.82	29	-1.51	49	-2.50	69	-2.39
10	1.91	30	-1.57	50	-2.57	70	-2.42
11	1.95	31	-2.27	51	-2.72	71	-2.75
12	2.01	32	-1.92	52	-2.87	72	-3.03
13	1.73	33	-1.42	53	-2.90	73	-2.67
14	1.27	34	-1.37	54	-3.06	74	-2.47
15	0.95	35	-1.35	55	-3.04	75	-2.62
16	0.67	36	-1.38	56	-3.24	76	-2.76
17	0.38	37	-1.38	57	-2.76	77	-2.90
18	0.19	38	-1.43	58	-2.62	78	-3.03
19	0.01	39	-1.50	59	-2.65	79	-3.30
20	-0.12	40	-2.32	60	-2.67	80	-3.42
1	0.56	6	0.35	11	0.72	16	1.20
2	0.44	7	0.32	12	0.77	17	1.18
3	0.39	8	0.36	13	0.91	18	1.33
4	0.34	9	0.34	14	0.97	19	1.46
5	0.33	10	0.33	15	1.01	20	1.29

7/ 3/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.04	41	-2.61	61	-1.61
2	2.35	22	-0.07	42	-2.02	62	-1.77
3	2.20	23	-0.26	43	-1.94	63	-2.06
4	2.10	24	-0.39	44	-2.12	64	-2.75
5	1.94	25	-0.54	45	-2.49	65	-2.46
6	1.87	26	-0.57	46	-2.89	66	-2.15
7	1.85	27	-0.64	47	-3.20	67	-2.28
8	1.83	28	-0.67	48	-3.22	68	-2.57
9	1.82	29	-0.76	49	-3.08	69	-3.11
10	1.97	30	-1.09	50	-2.58	70	-3.32
11	1.98	31	-1.34	51	-2.52	71	-3.53
12	2.04	32	-1.12	52	-2.76	72	-3.65
13	1.76	33	-0.98	53	-2.88	73	-3.74
14	1.36	34	-1.06	54	-2.75	74	-3.27
15	1.08	35	-1.20	55	-2.40	75	-3.28
16	0.81	36	-1.22	56	-3.10	76	-3.50
17	0.57	37	-1.30	57	-2.70	77	-3.69
18	0.44	38	-1.33	58	-2.04	78	-3.94
19	0.30	39	-1.40	59	-1.66	79	-4.13
20	0.19	40	-1.97	60	-1.65	80	-4.20
1	-0.02	6	0.02	11	0.04	16	0.04
2	-0.02	7	-0.07	12	0.03	17	0.0
3	-0.10	8	0.03	13	0.05	18	0.06
4	-0.11	9	0.08	14	0.06	19	0.09
5	-0.14	10	0.11	15	0.04	20	0.23

6/26/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	-0.35	41	-2.66	61	-2.26
2	2.33	22	-0.47	42	-2.31	62	-2.24
3	2.18	23	-0.60	43	-1.76	63	-2.29
4	2.07	24	-0.75	44	-1.79	64	-2.80
5	1.93	25	-0.84	45	-2.16	65	-2.43
6	1.86	26	-0.93	46	-2.77	66	-2.30
7	1.80	27	-0.99	47	-2.83	67	-2.31
8	1.82	28	-1.09	48	-3.16	68	-2.36
9	1.86	29	-1.16	49	-2.40	69	-2.72
10	1.89	30	-1.27	50	-2.48	70	-2.82
11	2.01	31	-1.00	51	-2.53	71	-2.82
12	2.02	32	-1.42	52	-2.66	72	-2.09
13	1.60	33	-1.42	53	-2.82	73	-2.75
14	1.23	34	-1.33	54	-2.87	74	-2.60
15	0.93	35	-1.34	55	-3.02	75	-2.77
16	0.70	36	-1.40	56	-3.14	76	-2.89
17	0.49	37	-1.48	57	-2.80	77	-3.00
18	0.26	38	-1.49	58	-2.27	78	-3.11
19	0.09	39	-1.50	59	-2.32	79	-3.22
20	-0.11	40	-1.57	60	-2.31	80	-3.31
1	-0.28	6	-0.40	11	-0.13	16	0.02
2	-0.29	7	-0.45	12	-0.10	17	-0.02
3	-0.37	8	-0.16	13	-0.08	18	-0.06
4	-0.45	9	-0.10	14	-0.01	19	-0.06
5	-0.42	10	-0.05	15	0.02	20	-0.08

7/10/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	-0.06	41	-2.41	61	-2.42
2	2.33	22	-0.24	42	-2.32	62	-2.11
3	2.16	23	-0.38	43	-2.17	63	-2.56
4	2.05	24	-0.54	44	-1.92	64	-2.78
5	1.93	25	-0.64	45	-1.83	65	-2.42
6	1.86	26	-0.71	46	-1.94	66	-2.03
7	1.81	27	-0.76	47	-2.31	67	-2.05
8	1.82	28	-0.82	48	-3.38	68	-2.16
9	1.85	29	-0.83	49	-3.29	69	-2.38
10	1.90	30	-1.04	50	-3.19	70	-2.81
11	1.98	31	-1.36	51	-3.24	71	-3.12
12	2.04	32	-1.03	52	-3.00	72	-3.67
13	1.68	33	-1.04	53	-2.85	73	-3.19
14	1.38	34	-1.07	54	-2.86	74	-3.92
15	1.09	35	-1.13	55	-2.69	75	-3.10
16	0.87	36	-1.23	56	-3.76	76	-3.24
17	0.69	37	-1.32	57	-3.35	77	-3.44
18	0.50	38	-1.41	58	-3.07	78	-3.69
19	0.32	39	-1.56	59	-2.96	79	-3.85
20	0.14	40	-2.18	60	-2.82	80	-4.16
1	0.0	6	0.04	11	-0.24	16	-0.17
2	0.04	7	-0.02	12	-0.28	17	-0.05
3	0.08	8	-0.06	13	-0.30	18	0.11
4	0.07	9	-0.04	14	-0.29	19	0.24
5	0.05	10	0.01	15	-0.23	20	0.44

7/17/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	-0.11	41	-3.00	61	-2.15
2	2.33	22	-0.06	42	-2.56	62	-2.26
3	2.20	23	-0.15	43	-2.04	63	-2.44
4	2.08	24	-0.25	44	-1.96	64	-2.90
5	1.95	25	-0.33	45	-1.96	65	-2.54
6	1.85	26	-0.43	46	-2.07	66	-2.07
7	1.81	27	-0.57	47	-2.22	67	-2.28
8	1.82	28	-0.66	48	-3.32	68	-2.47
9	1.84	29	-0.80	49	-3.35	69	-2.76
10	1.88	30	-1.04	50	-3.07	70	-2.97
11	1.96	31	-1.28	51	-2.74	71	-3.14
12	2.04	32	-1.05	52	-2.96	72	-3.52
13	1.81	33	-0.96	53	-2.99	73	-3.08
14	1.54	34	-0.92	54	-2.74	74	-2.81
15	1.30	35	-0.96	55	-3.26	75	-3.12
16	1.00	36	-1.06	56	-3.41	76	-3.21
17	0.80	37	-1.20	57	-3.17	77	-3.47
18	0.58	38	-1.33	58	-2.38	78	-3.65
19	0.36	39	-1.58	59	-2.22	79	-3.87
20	0.18	40	-2.00	60	-2.14	80	-4.15
1	0.03	6	0.08	11	-0.07	16	0.27
2	0.15	7	0.08	12	0.05	17	0.35
3	0.19	8	0.11	13	0.08	18	0.35
4	0.09	9	0.12	14	0.12	19	0.31
5	0.15	10	0.14	15	0.15	20	0.28

7/24/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	-0.04	41	-2.40	61	-2.27
2	2.33	22	-0.18	42	-2.40	62	-2.06
3	2.20	23	-0.33	43	-2.30	63	-2.17
4	2.08	24	-0.44	44	-2.06	64	-2.88
5	1.92	25	-0.56	45	-2.49	65	-2.57
6	1.86	26	-0.67	46	-2.11	66	-2.23
7	1.80	27	-0.76	47	-2.16	67	-2.32
8	1.81	28	-0.80	48	-3.04	68	-2.46
9	1.82	29	-0.86	49	-3.25	69	-2.66
10	1.90	30	-0.88	50	-3.20	70	-2.97
11	1.97	31	-1.29	51	-3.10	71	-3.27
12	2.04	32	-1.28	52	-3.01	72	-3.82
13	1.88	33	-1.27	53	-3.00	73	-3.42
14	1.44	34	-1.36	54	-3.02	74	-3.15
15	1.11	35	-1.22	55	-3.13	75	-3.36
16	0.80	36	-1.28	56	-3.81	76	-3.52
17	0.60	37	-1.05	57	-3.27	77	-3.67
18	0.40	38	-1.08	58	-3.18	78	-3.71
19	0.26	39	-1.15	59	-2.86	79	-3.86
20	0.14	40	-1.56	60	-2.87	80	-4.19
1	-0.05	6	-0.06	11	-0.10	16	0.32
2	-0.02	7	-0.08	12	-0.04	17	0.05
3	-0.02	8	-0.09	13	-0.02	18	0.0
4	-0.03	9	-0.06	14	0.0	19	-0.08
5	-0.06	10	-0.07	15	0.01	20	-0.08

7/31/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.07	41	-2.80	61	-2.43
2	2.47	22	-0.06	42	-2.56	62	-2.64
3	2.20	23	-0.16	43	-2.24	63	-2.94
4	2.05	24	-0.26	44	-1.85	64	-3.06
5	1.94	25	-0.32	45	-1.40	65	-2.46
6	1.83	26	-0.37	46	-1.20	66	-2.47
7	1.81	27	-0.41	47	-1.26	67	-2.73
8	1.79	28	-0.46	48	-1.40	68	-2.91
9	1.79	29	-0.50	49	-1.56	69	-3.20
10	1.86	30	-0.58	50	-1.90	70	-3.20
11	1.97	31	-1.24	51	-2.04	71	-3.61
12	2.02	32	-0.70	52	-2.16	72	-3.77
13	1.80	33	-0.76	53	-2.36	73	-3.21
14	1.45	34	-0.86	54	-2.31	74	-3.10
15	1.18	35	-1.06	55	-2.53	75	-3.36
16	0.99	36	-1.22	56	-2.87	76	-3.58
17	0.79	37	-1.50	57	-2.29	77	-3.64
18	0.60	38	-1.76	58	-2.02	78	-3.89
19	0.41	39	-1.96	59	-2.20	79	-4.01
20	0.26	40	-2.26	60	-2.53	80	-4.34
1	0.06	6	0.17	11	0.06	16	0.05
2	0.10	7	0.18	12	0.06	17	0.14
3	0.06	8	0.19	13	0.07	18	0.21
4	0.07	9	0.15	14	0.09	19	0.25
5	0.11	10	0.16	15	0.07	20	0.32

8/ 7/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	-0.04	41	-2.53	61	-1.71
2	2.36	22	-0.16	42	-1.60	62	-1.84
3	2.23	23	-0.30	43	-1.60	63	-1.97
4	2.13	24	-0.43	44	-1.65	64	-2.67
5	2.05	25	-0.56	45	-1.70	65	-2.56
6	1.99	26	-0.64	46	-1.85	66	-2.18
7	1.87	27	-0.66	47	-2.07	67	-2.31
8	1.81	28	-0.73	48	-2.73	68	-2.69
9	1.70	29	-0.74	49	-2.11	69	-2.96
10	1.49	30	-0.84	50	-1.70	70	-3.31
11	1.36	31	-1.47	51	-1.62	71	-3.81
12	1.21	32	-1.10	52	-1.56	72	-4.18
13	1.06	33	-1.06	53	-1.56	73	-3.82
14	0.91	34	-1.08	54	-1.69	74	-3.45
15	0.77	35	-1.22	55	-1.99	75	-3.54
16	0.63	36	-1.34	56	-2.56	76	-3.79
17	0.52	37	-1.46	57	-2.37	77	-3.86
18	0.41	38	-1.67	58	-2.00	78	-4.21
19	0.28	39	-2.02	59	-1.79	79	-4.26
20	0.14	40	-2.24	60	-1.71	80	-4.66
1	-0.04	6	-0.03	11	-0.08	16	-0.08
2	-0.05	7	0.0	12	-0.11	17	-0.03
3	-0.06	8	-0.01	13	-0.07	18	-0.02
4	-0.05	9	-0.01	14	-0.07	19	0.0
5	-0.04	10	-0.03	15	-0.08	20	0.03

8/14/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.06	41	-2.71	61	-1.98
2	2.41	22	-0.13	42	-2.06	62	-2.43
3	2.25	23	-0.20	43	-1.73	63	-2.64
4	2.15	24	-0.34	44	-1.70	64	-2.86
5	2.08	25	-0.36	45	-1.92	65	-2.56
6	2.00	26	-0.42	46	-2.11	66	-2.79
7	1.88	27	-0.49	47	-2.16	67	-2.64
8	1.84	28	-0.56	48	-2.46	68	-2.82
9	1.53	29	-0.56	49	-1.79	69	-2.30
10	1.46	30	-0.65	50	-1.34	70	-3.46
11	1.33	31	-1.18	51	-1.19	71	-3.48
12	1.22	32	-0.81	52	-1.15	72	-4.01
13	1.20	33	-0.98	53	-1.11	73	-3.56
14	1.06	34	-1.20	54	-1.16	74	-3.40
15	0.86	35	-1.64	55	-1.41	75	-3.57
16	0.77	36	-1.68	56	-1.81	76	-3.76
17	0.52	37	-1.84	57	-1.60	77	-3.91
18	0.34	38	-2.20	58	-1.46	78	-4.04
19	0.21	39	-2.42	59	-1.62	79	-4.19
20	0.10	40	-2.30	60	-1.76	80	-4.44
1	-0.05	6	0.08	11	-0.10	16	0.05
2	-0.01	7	0.11	12	-0.02	17	0.09
3	-0.01	8	0.16	13	0.03	18	0.11
4	0.05	9	0.14	14	-0.01	19	0.07
5	0.03	10	0.14	15	-0.01	20	0.11

8/28/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.19	41	-2.53	61	-1.94
2	2.54	22	0.14	42	-2.26	62	-2.26
3	2.28	23	0.05	43	-2.06	63	-2.42
4	2.21	24	-0.10	44	-2.10	64	-1.68
5	2.08	25	-0.36	45	-1.84	65	-2.14
6	1.94	26	-0.49	46	-1.35	66	-1.52
7	1.78	27	-0.61	47	-1.19	67	-1.80
8	1.64	28	-0.56	48	-2.10	68	-1.95
9	1.49	29	-0.66	49	-1.35	69	-2.17
10	1.36	30	-0.86	50	-1.33	70	-2.56
11	1.26	31	-1.59	51	-1.44	71	-2.66
12	1.12	32	-1.46	52	-1.79	72	-3.84
13	1.01	33	-1.66	53	-1.76	73	-2.63
14	0.94	34	-1.78	54	-2.19	74	-2.21
15	0.88	35	-1.89	55	-2.61	75	-2.46
16	0.80	36	-1.77	56	-2.96	76	-2.76
17	0.72	37	-1.66	57	-2.76	77	-3.04
18	0.60	38	-1.76	58	-2.37	78	-3.45
19	0.46	39	-1.59	59	-2.27	79	-3.81
20	0.36	40	-1.75	60	-2.06	80	-4.06
1	0.22	6	0.03	11	0.22	16	0.15
2	0.23	7	0.07	12	0.21	17	0.12
3	0.12	8	0.04	13	0.18	18	0.10
4	0.08	9	0.06	14	0.18	19	0.17
5	0.08	10	0.02	15	0.18	20	0.15

8/21/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.08	41	-2.60	61	-1.48
2	2.40	22	-0.04	42	-1.92	62	-1.49
3	2.29	23	-0.11	43	-1.52	63	-1.71
4	2.21	24	-0.17	44	-1.49	64	-2.49
5	2.08	25	-0.25	45	-1.62	65	-2.27
6	1.93	26	-0.33	46	-1.80	66	-1.96
7	1.78	27	-0.44	47	-2.26	67	-1.83
8	1.60	28	-0.49	48	-3.07	68	-1.68
9	1.48	29	-0.56	49	-3.06	69	-1.68
10	1.34	30	-0.60	50	-1.92	70	-1.86
11	1.18	31	-0.81	51	-1.80	71	-2.18
12	1.05	32	-0.72	52	-1.76	72	-2.72
13	0.93	33	-0.80	53	-1.60	73	-2.60
14	0.82	34	-0.89	54	-1.65	74	-2.30
15	0.69	35	-0.89	55	-2.00	75	-2.48
16	0.62	36	-0.90	56	-2.87	76	-2.67
17	0.53	37	-0.99	57	-2.63	77	-3.07
18	0.38	38	-1.08	58	-2.09	78	-3.27
19	0.30	39	-1.19	59	-1.73	79	-3.76
20	0.22	40	-1.87	60	-1.60	80	-4.50
1	0.03	6	0.02	11	0.04	16	0.03
2	0.02	7	0.09	12	0.03	17	0.0
3	0.04	8	0.10	13	0.01	18	-0.03
4	0.05	9	0.11	14	0.04	19	0.04
5	0.04	10	0.12	15	0.03	20	0.03

9/ 4/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.06	41	-2.79	61	-1.56
2	2.55	22	-0.10	42	-1.80	62	-1.48
3	2.36	23	-0.21	43	-1.49	63	-1.96
4	2.22	24	-0.31	44	-1.44	64	-2.76
5	2.02	25	-0.42	45	-1.51	65	-2.30
6	1.83	26	-0.48	46	-1.70	66	-2.01
7	1.69	27	-0.50	47	-2.36	67	-1.90
8	1.48	28	-0.70	48	-3.07	68	-1.91
9	1.32	29	-0.78	49	-2.65	69	-2.06
10	1.19	30	-1.06	50	-1.70	70	-2.26
11	1.03	31	-2.68	51	-1.54	71	-2.96
12	0.90	32	-1.19	52	-1.56	72	-3.58
13	0.76	33	-1.16	53	-1.58	73	-3.22
14	0.63	34	-1.18	54	-1.77	74	-2.84
15	0.52	35	-1.18	55	-2.18	75	-2.96
16	0.37	36	-1.16	56	-2.70	76	-3.24
17	0.29	37	-1.21	57	-2.32	77	-3.36
18	0.26	38	-1.27	58	-1.72	78	-3.82
19	0.17	39	-1.40	59	-1.59	79	-4.26
20	0.05	40	-2.26	60	-1.55	80	-4.71
1	-0.17	6	-0.21	11	-0.07	16	0.04
2	-0.17	7	-0.16	12	-0.07	17	-0.02
3	-0.19	8	-0.20	13	-0.06	18	0.01
4	-0.22	9	-0.20	14	-0.02	19	0.05
5	-0.16	10	-0.15	15	0.03	20	0.07

9/11/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.0	41	-2.24	61	-1.94
2	2.54	22	-0.34	42	-2.06	62	-2.06
3	2.36	23	-0.38	43	-2.01	63	-2.15
4	2.21	24	-0.45	44	-1.96	64	-2.31
5	2.01	25	-0.50	45	-1.96	65	-1.99
6	1.83	26	-0.66	46	-1.91	66	-1.61
7	1.68	27	-0.66	47	-1.76	67	-1.74
8	1.53	28	-0.81	48	-2.46	68	-1.96
9	1.44	29	-1.10	49	-2.27	69	-2.33
10	1.37	30	-1.38	50	-2.20	70	-2.71
11	1.31	31	-1.81	51	-2.10	71	-2.94
12	1.22	32	-1.09	52	-2.16	72	-3.30
13	1.18	33	-1.06	53	-2.16	73	-2.86
14	1.12	34	-1.12	54	-2.02	74	-2.76
15	0.99	35	-1.26	55	-2.06	75	-3.06
16	0.82	36	-1.40	56	-2.60	76	-3.41
17	0.68	37	-1.39	57	-2.60	77	-3.51
18	0.54	38	-1.41	58	-2.47	78	-3.76
19	0.42	39	-1.52	59	-2.32	79	-3.95
20	0.24	40	-2.06	60	-2.16	80	-4.19
1	0.01	6	0.11	11	0.03	16	0.07
2	0.07	7	0.10	12	0.11	17	0.12
3	0.11	8	0.12	13	0.11	18	0.17
4	0.08	9	0.13	14	-0.01	19	0.15
5	0.08	10	0.16	15	0.03	20	0.13

9/18/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	-0.40	41	-2.47	61	-2.24
2	2.55	22	-0.66	42	-1.96	62	-1.89
3	2.36	23	-0.76	43	-2.06	63	-1.89
4	2.20	24	-0.67	44	-2.01	64	-2.54
5	2.00	25	-0.91	45	-1.99	65	-2.22
6	1.82	26	-0.92	46	-2.10	66	-1.85
7	1.68	27	-1.09	47	-2.10	67	-1.85
8	1.55	28	-1.11	48	-2.24	68	-2.06
9	1.49	29	-1.43	49	-1.98	69	-2.46
10	1.42	30	-1.32	50	-2.06	70	-2.46
11	1.41	31	-2.09	51	-2.10	71	-2.96
12	1.37	32	-1.46	52	-2.18	72	-3.36
13	1.31	33	-1.42	53	-2.24	73	-3.16
14	1.24	34	-1.40	54	-2.30	74	-2.81
15	1.18	35	-1.40	55	-2.40	75	-3.00
16	0.94	36	-1.26	56	-2.76	76	-3.31
17	0.68	37	-1.36	57	-2.56	77	-3.49
18	0.34	38	-1.40	58	-2.44	78	-3.52
19	0.21	39	-1.50	59	-2.50	79	-3.71
20	-0.06	40	-2.01	60	-2.31	80	-4.46
1	0.88	6	0.78	11	0.84	16	0.95
2	0.94	7	0.79	12	0.86	17	1.04
3	0.89	8	0.75	13	0.84	18	1.11
4	0.89	9	0.78	14	0.77	19	0.86
5	0.87	10	0.84	15	0.81	20	0.85

9/25/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	-0.86	41	-2.21	61	-1.69
2	2.56	22	-0.96	42	-1.66	62	-1.61
3	2.33	23	-1.04	43	-1.64	63	-1.96
4	2.17	24	-1.29	44	-1.66	64	-2.44
5	1.97	25	-1.36	45	-1.80	65	-2.20
6	1.80	26	-1.26	46	-1.86	66	-1.92
7	1.66	27	-1.00	47	-2.06	67	-2.16
8	1.65	28	-0.81	48	-3.03	68	-2.30
9	1.53	29	-0.81	49	-2.40	69	-2.80
10	1.57	30	-1.18	50	-2.30	70	-3.00
11	1.60	31	-1.90	51	-2.36	71	-3.11
12	1.58	32	-1.70	52	-2.24	72	-3.40
13	1.37	33	-0.96	53	-2.40	73	-3.20
14	1.02	34	-0.90	54	-2.36	74	-2.86
15	0.70	35	-1.04	55	-2.46	75	-3.10
16	0.33	36	-0.99	56	-2.92	76	-3.37
17	0.14	37	-1.04	57	-2.54	77	-3.56
18	-0.14	38	-1.06	58	-2.36	78	-3.85
19	-0.60	39	-1.17	59	-2.46	79	-4.11
20	-0.74	40	-1.46	60	-2.13	80	-4.41
1	0.56	6	0.80	11	0.36	16	0.79
2	0.68	7	0.84	12	0.43	17	0.85
3	0.71	8	0.87	13	0.45	18	0.93
4	0.70	9	0.87	14	0.56	19	0.97
5	0.80	10	0.85	15	0.68	20	0.99

10/ 2/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	0.10	41	-2.46	61	-1.95
2	2.50	22	0.12	42	-1.88	62	-1.90
3	2.29	23	0.04	43	-1.76	63	-2.00
4	2.17	24	-0.06	44	-1.63	64	-2.16
5	1.98	25	-0.16	45	-1.65	65	-2.04
6	1.85	26	-0.18	46	-1.76	66	-1.96
7	1.73	27	-0.26	47	-2.40	67	-1.96
8	1.60	28	-0.30	48	-2.66	68	-1.96
9	1.47	29	-0.66	49	-2.21	69	-2.01
10	1.34	30	-0.76	50	-1.99	70	-2.19
11	1.21	31	-1.28	51	-2.01	71	-2.69
12	1.07	32	-1.24	52	-2.06	72	-3.35
13	0.94	33	-1.36	53	-1.99	73	-3.14
14	0.83	34	-1.51	54	-2.06	74	-2.96
15	0.72	35	-1.46	55	-2.36	75	-3.01
16	0.61	36	-1.45	56	-2.75	76	-3.23
17	0.54	37	-1.56	57	-2.76	77	-3.56
18	0.44	38	-1.29	58	-2.45	78	-3.92
19	0.44	39	-1.40	59	-2.06	79	-4.31
20	0.29	40	-1.96	60	-1.95	80	-4.76
1	0.56	6	0.59	11	0.59	16	0.76
2	0.55	7	0.61	12	0.61	17	0.86
3	0.63	8	0.66	13	0.61	18	0.93
4	0.65	9	0.65	14	0.66	19	0.88
5	0.60	10	0.62	15	0.70	20	0.74

10/ 9/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.18	41	-2.72	61	-2.62
2	2.43	22	-0.10	42	-2.75	62	-2.82
3	2.28	23	-0.03	43	-2.56	63	-3.92
4	2.11	24	-0.09	44	-2.52	64	-3.80
5	1.97	25	-0.34	45	-2.47	65	-3.63
6	1.81	26	-0.39	46	-2.38	66	-2.97
7	1.67	27	-0.41	47	-2.56	67	-2.66
8	1.48	28	-0.69	48	-3.17	68	-2.75
9	1.35	29	-0.71	49	-3.04	69	-2.76
10	1.25	30	-1.09	50	-2.58	70	-3.23
11	1.12	31	-1.41	51	-2.48	71	-3.83
12	0.98	32	-1.12	52	-2.34	72	-4.38
13	0.81	33	-1.07	53	-2.36	73	-4.78
14	0.70	34	-1.16	54	-2.41	74	-4.32
15	0.62	35	-1.00	55	-2.80	75	-4.04
16	0.41	36	-1.09	56	-3.28	76	-4.07
17	0.50	37	-1.42	57	-3.37	77	-4.24
18	0.42	38	-1.66	58	-3.24	78	-4.61
19	0.34	39	-1.98	59	-2.68	79	-4.79
20	0.26	40	-2.30	60	-2.51	80	-4.78
1	0.45	6	0.71	11	0.47	16	0.76
2	0.59	7	0.67	12	0.59	17	0.80
3	0.58	8	0.64	13	0.56	18	0.68
4	0.63	9	0.68	14	0.62	19	0.54
5	0.68	10	0.70	15	0.74	20	0.46

10/23/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.16	41	-2.68	61	-2.06
2	2.41	22	-0.04	42	-2.40	62	-2.09
3	2.26	23	-0.26	43	-2.08	63	-2.61
4	2.11	24	-0.76	44	-2.02	64	-3.28
5	1.98	25	-0.76	45	-2.06	65	-3.02
6	1.89	26	-0.74	46	-2.13	66	-2.56
7	1.83	27	-1.10	47	-2.29	67	-2.56
8	1.77	28	-1.26	48	-3.06	68	-2.59
9	1.63	29	-1.36	49	-2.88	69	-2.74
10	1.50	30	-1.42	50	-2.37	70	-3.16
11	1.38	31	-1.77	51	-2.07	71	-3.70
12	1.27	32	-1.29	52	-1.86	72	-3.92
13	1.16	33	-1.31	53	-1.86	73	-3.75
14	1.07	34	-1.33	54	-2.06	74	-3.29
15	0.97	35	-1.33	55	-2.47	75	-3.20
16	0.86	36	-1.40	56	-3.08	76	-3.33
17	0.83	37	-1.40	57	-2.86	77	-3.76
18	0.70	38	-1.44	58	-2.49	78	-3.96
19	0.59	39	-1.51	59	-2.16	79	-4.16
20	0.43	40	-1.88	60	-1.97	80	-4.30
1	0.09	6	0.34	11	0.08	16	0.17
2	0.22	7	0.28	12	0.09	17	0.07
3	0.17	8	0.26	13	0.12	18	0.23
4	0.21	9	0.07	14	0.07	19	0.25
5	0.26	10	-0.01	15	0.11	20	0.22

10/16/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	-0.49	41	-2.25	61	-3.02
2	2.45	22	-0.84	42	-2.02	62	-3.25
3	2.33	23	-1.10	43	-1.86	63	-3.26
4	2.15	24	-1.27	44	-1.51	64	-3.62
5	1.99	25	-1.40	45	-1.52	65	-3.12
6	1.85	26	-1.56	46	-1.67	66	-2.80
7	1.75	27	-1.39	47	-1.67	67	-2.99
8	1.63	28	-1.36	48	-1.89	68	-3.21
9	1.56	29	-1.47	49	-1.31	69	-3.39
10	1.51	30	-1.82	50	-1.36	70	-3.40
11	1.45	31	-1.97	51	-1.70	71	-3.64
12	1.38	32	-1.47	52	-1.76	72	-3.97
13	1.31	33	-1.40	53	-2.47	73	-3.36
14	1.32	34	-1.46	54	-2.69	74	-2.97
15	1.22	35	-1.52	55	-2.90	75	-2.95
16	0.89	36	-1.41	56	-2.95	76	-3.09
17	0.73	37	-1.41	57	-2.98	77	-3.51
18	0.57	38	-1.37	58	-2.96	78	-3.73
19	0.33	39	-1.70	59	-2.81	79	-3.96
20	0.14	40	-1.92	60	-2.85	80	-4.35
1	0.82	6	1.07	11	0.78	16	0.79
2	0.86	7	1.16	12	0.83	17	0.75
3	0.98	8	1.18	13	0.86	18	0.76
4	0.99	9	1.12	14	0.87	19	0.81
5	0.89	10	1.03	15	0.83	20	0.88

10/30/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	-0.48	41	-2.87	61	-2.46
2	2.45	22	-0.70	42	-2.60	62	-2.59
3	2.29	23	-0.87	43	-2.51	63	-3.38
4	2.12	24	-1.18	44	-2.04	64	-3.74
5	1.99	25	-1.60	45	-1.91	65	-3.85
6	1.89	26	-1.73	46	-1.97	66	-3.19
7	1.85	27	-1.84	47	-2.10	67	-3.07
8	1.79	28	-1.86	48	-2.84	68	-3.14
9	1.71	29	-1.87	49	-2.72	69	-3.17
10	1.64	30	-1.89	50	-2.13	70	-3.62
11	1.60	31	-2.08	51	-1.89	71	-3.96
12	1.50	32	-1.83	52	-1.86	72	-4.41
13	1.31	33	-1.68	53	-1.81	73	-4.13
14	1.12	34	-1.67	54	-1.97	74	-3.76
15	0.91	35	-1.46	55	-2.15	75	-3.43
16	0.68	36	-1.75	56	-3.02	76	-3.42
17	0.55	37	-1.91	57	-2.87	77	-3.44
18	0.38	38	-2.02	58	-2.36	78	-3.78
19	0.20	39	-2.25	59	-2.25	79	-4.52
20	0.01	40	-2.17	60	-2.34	80	-4.65
1	0.94	6	0.95	11	0.80	16	0.75
2	0.82	7	0.83	12	0.77	17	0.78
3	0.87	8	0.85	13	0.75	18	0.87
4	1.06	9	0.99	14	0.78	19	0.79
5	0.96	10	1.05	15	0.78	20	0.76

11/ 6/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	-0.89	41	-2.54	61	-2.24
2	2.51	22	-1.08	42	-1.89	62	-2.50
3	2.32	23	-1.27	43	-1.77	63	-2.72
4	2.13	24	-1.45	44	-1.77	64	-3.56
5	1.99	25	-1.50	45	-2.15	65	-3.01
6	1.91	26	-1.58	46	-2.18	66	-2.85
7	1.88	27	-1.79	47	-2.46	67	-2.91
8	1.85	28	-1.89	48	-2.51	68	-3.02
9	1.83	29	-1.92	49	-2.14	69	-3.22
10	1.74	30	-2.03	50	-2.19	70	-3.60
11	1.53	31	-2.46	51	-2.05	71	-3.81
12	1.34	32	-2.73	52	-2.00	72	-4.00
13	1.17	33	-2.61	53	-1.74	73	-3.67
14	1.00	34	-2.39	54	-1.96	74	-3.38
15	0.86	35	-2.36	55	-2.16	75	-3.45
16	0.62	36	-2.24	56	-2.89	76	-3.60
17	0.58	37	-2.19	57	-2.30	77	-3.72
18	0.32	38	-2.30	58	-2.01	78	-3.82
19	0.08	39	-2.43	59	-2.03	79	-3.85
20	-0.09	40	-2.56	60	-2.11	80	-3.51
1	0.61	6	0.85	11	0.60	16	0.61
2	0.64	7	0.90	12	0.63	17	0.64
3	0.79	8	0.81	13	0.62	18	0.63
4	0.87	9	0.86	14	0.61	19	0.71
5	0.84	10	0.90	15	0.65	20	0.71

11/20/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	-0.53	41	-2.16	61	-2.56
2	2.47	22	-0.81	42	-2.18	62	-2.85
3	2.31	23	-0.86	43	-2.06	63	-2.98
4	2.13	24	-0.69	44	-2.06	64	-3.14
5	1.99	25	-0.69	45	-1.83	65	-2.95
6	1.88	26	-0.71	46	-2.15	66	-2.97
7	1.87	27	-0.76	47	-2.85	67	-3.14
8	1.85	28	-0.80	48	-2.91	68	-3.25
9	1.83	29	-0.96	49	-2.46	69	-3.36
10	1.72	30	-1.14	50	-2.16	70	-3.52
11	1.61	31	-1.85	51	-2.03	71	-3.59
12	1.54	32	-1.26	52	-1.86	72	-3.78
13	1.46	33	-1.36	53	-1.97	73	-3.51
14	1.35	34	-1.47	54	-2.10	74	-3.51
15	1.46	35	-1.87	55	-2.21	75	-3.54
16	0.94	36	-1.92	56	-2.47	76	-3.66
17	0.66	37	-1.98	57	-2.14	77	-3.85
18	0.46	38	-1.97	58	-1.99	78	-3.87
19	0.19	39	-1.98	59	-2.18	79	-4.01
20	-0.06	40	-2.27	60	-2.36	80	-4.14
1	-0.63	6	-0.13	11	-0.63	16	-0.47
2	-0.53	7	-0.20	12	-0.72	17	-0.32
3	-0.48	8	-0.09	13	-0.63	18	-0.32
4	-0.32	9	-0.13	14	-0.55	19	-0.27
5	-0.17	10	-0.07	15	-0.51	20	-0.28

11/13/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	-0.85	41	-1.85	61	-2.32
2	2.41	22	-1.26	42	-2.33	62	-2.86
3	2.25	23	-1.36	43	-2.12	63	-2.90
4	2.10	24	-1.32	44	-2.31	64	-3.49
5	1.98	25	-1.11	45	-2.30	65	-2.91
6	1.90	26	-0.87	46	-2.69	66	-2.56
7	1.88	27	-0.76	47	-2.81	67	-2.80
8	1.83	28	-0.76	48	-2.78	68	-3.00
9	1.82	29	-0.81	49	-2.73	69	-3.49
10	1.78	30	-0.89	50	-2.41	70	-3.48
11	1.63	31	-1.50	51	-2.48	71	-3.66
12	1.55	32	-0.89	52	-2.40	72	-4.06
13	1.47	33	-0.89	53	-2.36	73	-3.47
14	1.22	34	-1.02	54	-2.29	74	-3.36
15	1.05	35	-1.06	55	-2.26	75	-3.46
16	0.84	36	-1.14	56	-2.66	76	-3.90
17	0.61	37	-1.24	57	-1.04	77	-4.06
18	0.41	38	-1.37	58	-1.74	78	-4.13
19	0.12	39	-1.56	59	-1.88	79	-4.16
20	-0.11	40	-1.96	60	-2.17	80	-4.41
1	0.70	6	0.88	11	0.61	16	0.68
2	0.78	7	0.89	12	0.62	17	0.73
3	1.00	8	0.91	13	0.58	18	0.81
4	0.87	9	0.86	14	0.59	19	0.80
5	0.95	10	0.90	15	0.66	20	0.89

11/27/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.86	41	-2.53	61	-2.81
2	2.41	22	-0.71	42	-2.06	62	-3.06
3	2.23	23	-0.86	43	-1.77	63	-3.26
4	2.10	24	-0.69	44	-1.77	64	-3.26
5	1.98	25	-0.50	45	-1.91	65	-2.92
6	1.88	26	-0.59	46	-2.04	66	-3.06
7	1.86	27	-0.64	47	-2.11	67	-2.98
8	1.81	28	-0.69	48	-2.16	68	-3.24
9	1.83	29	-0.66	49	-1.50	69	-3.36
10	1.70	30	-0.67	50	-1.60	70	-3.47
11	1.61	31	-1.20	51	-1.70	71	-3.72
12	1.53	32	-0.76	52	-1.94	72	-3.82
13	1.45	33	-0.99	53	-2.16	73	-3.56
14	1.41	34	-1.16	54	-2.23	74	-3.40
15	1.25	35	-1.56	55	-2.40	75	-3.46
16	0.72	36	-1.84	56	-2.76	76	-3.69
17	0.53	37	-1.98	57	-2.35	77	-3.74
18	0.42	38	-1.96	58	-2.36	78	-3.86
19	0.36	39	-2.26	59	-2.28	79	-3.96
20	-0.06	40	-2.43	60	-2.62	80	-4.25
1	0.70	6	0.97	11	0.71	16	0.82
2	0.83	7	1.00	12	0.69	17	0.87
3	0.88	8	0.95	13	0.86	18	1.04
4	0.89	9	0.96	14	0.76	19	0.95
5	1.10	10	1.08	15	0.89	20	0.96

12/ 4/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.08	41	-2.54	61	-2.59
2	2.39	22	-0.34	42	-1.86	62	-2.78
3	2.25	23	-0.49	43	-1.69	63	-3.30
4	2.11	24	-0.45	44	-1.81	64	-3.58
5	1.97	25	-0.67	45	-1.83	65	-3.29
6	1.88	26	-0.56	46	-2.16	66	-3.09
7	1.84	27	-0.70	47	-2.56	67	-3.17
8	1.81	28	-0.78	48	-2.88	68	-3.36
9	1.78	29	-0.96	49	-2.48	69	-3.46
10	1.72	30	-1.00	50	-1.96	70	-3.61
11	1.65	31	-1.80	51	-1.88	71	-3.67
12	1.52	32	-1.33	52	-1.89	72	-4.23
13	1.29	33	-1.06	53	-1.95	73	-3.79
14	1.05	34	-1.01	54	-2.29	74	-3.51
15	0.83	35	-1.06	55	-2.57	75	-3.54
16	0.57	36	-1.19	56	-2.96	76	-3.64
17	0.53	37	-1.17	57	-2.61	77	-3.82
18	0.39	38	-1.35	58	-2.20	78	-3.78
19	0.23	39	-1.70	59	-2.34	79	-3.96
20	0.11	40	-2.11	60	-2.45	80	-4.60
1	0.66	6	0.75	11	0.61	16	0.78
2	0.65	7	0.79	12	0.64	17	0.72
3	0.66	8	0.66	13	0.63	18	0.83
4	0.74	9	0.67	14	0.63	19	0.85
5	0.77	10	0.65	15	0.69	20	0.70

12/18/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.18	41	-2.16	61	-2.52
2	2.42	22	-0.19	42	-2.26	62	-2.61
3	2.25	23	-0.19	43	-2.06	63	-3.06
4	2.10	24	-0.26	44	-2.11	64	-3.52
5	2.02	25	-0.30	45	-2.06	65	-2.95
6	1.96	26	-0.34	46	-2.34	66	-2.73
7	1.88	27	-0.40	47	-2.80	67	-2.73
8	1.75	28	-0.41	48	-3.17	68	-2.71
9	1.57	29	-0.51	49	-2.86	69	-2.94
10	1.38	30	-0.44	50	-2.51	70	-3.21
11	1.23	31	-1.06	51	-2.49	71	-3.86
12	1.08	32	-0.89	52	-2.46	72	-4.36
13	0.91	33	-0.89	53	-2.56	73	-4.36
14	0.73	34	-1.04	54	-2.68	74	-3.78
15	0.58	35	-1.21	55	-2.96	75	-3.66
16	0.41	36	-1.41	56	-3.38	76	-3.69
17	0.34	37	-1.89	57	-3.63	77	-4.11
18	0.21	38	-2.06	58	-2.86	78	-4.36
19	0.10	39	-2.32	59	-2.69	79	-4.61
20	0.04	40	-2.72	60	-2.51	80	-4.54
1	0.45	6	0.47	11	0.36	16	0.67
2	0.36	7	0.36	12	0.37	17	0.63
3	0.37	8	0.49	13	0.49	18	0.62
4	0.36	9	0.46	14	0.55	19	0.57
5	0.34	10	0.44	15	0.62	20	0.50

12/11/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.94	21	0.11	41	-2.20	61	-3.42
2	2.62	22	-0.24	42	-1.92	62	-3.57
3	2.45	23	-0.30	43	-1.68	63	-3.84
4	2.10	24	-0.38	44	-1.42	64	-3.85
5	2.00	25	-0.45	45	-1.51	65	-3.57
6	1.90	26	-0.54	46	-1.59	66	-3.48
7	1.84	27	-0.60	47	-1.59	67	-3.56
8	1.83	28	-0.79	48	-1.87	68	-3.73
9	1.78	29	-1.31	49	-1.28	69	-3.80
10	1.75	30	-1.49	50	-1.36	70	-3.99
11	1.60	31	-1.73	51	-1.46	71	-4.07
12	1.45	32	-1.57	52	-1.59	72	-4.26
13	1.27	33	-1.54	53	-1.69	73	-3.69
14	1.10	34	-1.40	54	-1.91	74	-3.56
15	0.93	35	-1.16	55	-2.41	75	-3.68
16	0.77	36	-0.93	56	-2.86	76	-3.76
17	0.66	37	-1.00	57	-2.66	77	-3.98
18	0.54	38	-1.09	58	-2.78	78	-4.13
19	0.52	39	-1.46	59	-2.95	79	-4.30
20	0.27	40	-1.74	60	-3.17	80	-4.40
1	0.06	6	0.20	11	0.02	16	0.04
2	0.15	7	0.17	12	-0.02	17	0.14
3	0.16	8	0.13	13	0.04	18	0.20
4	0.20	9	0.24	14	0.07	19	0.18
5	0.16	10	0.20	15	0.07	20	0.20

12/25/1986

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	-0.12	41	-2.66	61	-2.48
2	2.32	22	-0.06	42	-2.67	62	-2.65
3	2.14	23	-0.06	43	-2.75	63	-2.76
4	2.02	24	-0.13	44	-2.86	64	-2.91
5	1.94	25	-0.16	45	-2.92	65	-2.48
6	1.88	26	-0.19	46	-3.03	66	-2.31
7	1.74	27	-0.21	47	-3.06	67	-2.36
8	1.52	28	-0.26	48	-3.17	68	-2.50
9	1.36	29	-0.71	49	-2.96	69	-2.80
10	1.17	30	-0.83	50	-2.92	70	-3.26
11	0.99	31	-0.74	51	-2.96	71	-3.61
12	0.84	32	-0.70	52	-3.03	72	-3.73
13	0.74	33	-0.88	53	-3.19	73	-3.49
14	0.66	34	-1.06	54	-3.22	74	-3.34
15	0.54	35	-1.25	55	-3.33	75	-3.37
16	0.39	36	-1.40	56	-3.45	76	-3.51
17	0.34	37	-2.07	57	-2.89	77	-3.72
18	0.27	38	-2.20	58	-2.52	78	-3.99
19	0.21	39	-2.41	59	-2.32	79	-4.32
20	0.09	40	-2.59	60	-2.31	80	-4.46
1	0.40	6	0.43	11	0.37	16	0.31
2	0.42	7	0.47	12	0.39	17	0.33
3	0.44	8	0.45	13	0.31	18	0.41
4	0.45	9	0.47	14	0.28	19	0.39
5	0.44	10	0.55	15	0.30	20	0.41

1/ 6/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	-0.38	41	-3.06	61	-2.06
2	2.41	22	-0.18	42	-2.96	62	-2.19
3	2.24	23	-0.30	43	-2.77	63	-2.66
4	2.14	24	-0.31	44	-2.71	64	-2.96
5	2.07	25	-0.41	45	-2.77	65	-2.71
6	1.98	26	-0.50	46	-2.82	66	-2.35
7	1.80	27	-0.54	47	-2.91	67	-2.46
8	1.57	28	-0.65	48	-3.28	68	-2.65
9	1.43	29	-1.19	49	-3.14	69	-2.86
10	1.24	30	-1.51	50	-2.12	70	-3.16
11	1.08	31	-1.74	51	-1.96	71	-3.39
12	0.94	32	-1.37	52	-1.86	72	-3.87
13	0.80	33	-1.34	53	-1.81	73	-3.66
14	0.67	34	-1.46	54	-1.94	74	-3.06
15	0.52	35	-1.46	55	-2.20	75	-3.07
16	0.39	36	-1.76	56	-2.52	76	-3.21
17	0.27	37	-1.72	57	-2.26	77	-3.54
18	0.17	38	-2.06	58	-1.68	78	-3.76
19	0.08	39	-2.61	59	-1.79	79	-4.21
20	-0.01	40	-2.95	60	-1.81	80	-4.56
1	0.43	6	0.47	11	0.40	16	0.58
2	0.40	7	0.45	12	0.42	17	0.58
3	0.40	8	0.47	13	0.45	18	0.60
4	0.46	9	0.51	14	0.47	19	0.69
5	0.46	10	0.51	15	0.56	20	0.63

1/15/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.08	41	-2.89	61	-2.36
2	2.46	22	-0.02	42	-1.90	62	-2.83
3	2.30	23	-0.10	43	-1.74	63	-3.32
4	2.18	24	-0.18	44	-1.76	64	-3.71
5	2.11	25	-0.29	45	-1.80	65	-3.42
6	1.96	26	-0.37	46	-2.06	66	-2.84
7	1.83	27	-0.59	47	-2.38	67	-2.85
8	1.65	28	-0.87	48	-2.98	68	-2.99
9	1.49	29	-1.00	49	-2.78	69	-3.24
10	1.36	30	-0.98	50	-2.22	70	-3.67
11	1.22	31	-1.39	51	-2.09	71	-4.06
12	1.09	32	-1.09	52	-2.04	72	-4.56
13	0.95	33	-1.04	53	-2.10	73	-4.17
14	0.83	34	-1.07	54	-2.26	74	-3.74
15	0.69	35	-1.10	55	-2.53	75	-3.77
16	0.52	36	-1.17	56	-3.30	76	-4.02
17	0.41	37	-1.28	57	-2.96	77	-4.07
18	0.31	38	-1.46	58	-2.30	78	-4.49
19	0.24	39	-1.87	59	-2.21	79	-4.76
20	0.16	40	-2.31	60	-2.24	80	-4.88
1	0.05	6	-0.02	11	-0.01	16	0.12
2	0.08	7	0.04	12	0.05	17	0.11
3	0.04	8	0.12	13	0.08	18	0.09
4	0.06	9	0.09	14	0.11	19	0.08
5	-0.01	10	0.10	15	0.11	20	0.11

1/ 8/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	-0.02	41	-3.04	61	-2.44
2	2.43	22	-0.07	42	-2.51	62	-2.80
3	2.24	23	-0.09	43	-2.28	63	-2.86
4	2.15	24	-0.18	44	-2.17	64	-3.16
5	2.08	25	-0.29	45	-2.12	65	-2.86
6	1.98	26	-0.41	46	-2.03	66	-2.46
7	1.79	27	-0.60	47	-2.40	67	-2.56
8	1.60	28	-0.84	48	-2.64	68	-2.71
9	1.47	29	-1.04	49	-1.66	69	-3.06
10	1.33	30	-1.32	50	-1.40	70	-3.34
11	1.18	31	-1.73	51	-1.37	71	-3.56
12	1.02	32	-1.29	52	-1.42	72	-3.86
13	0.88	33	-1.17	53	-1.61	73	-3.26
14	0.75	34	-1.29	54	-1.89	74	-3.06
15	0.63	35	-1.41	55	-2.10	75	-3.31
16	0.45	36	-1.62	56	-2.36	76	-3.33
17	0.40	37	-1.76	57	-1.98	77	-3.56
18	0.28	38	-1.94	58	-1.79	78	-3.84
19	0.21	39	-2.16	59	-2.03	79	-4.11
20	0.09	40	-2.67	60	-2.31	80	-4.60
1	0.46	6	0.48	11	0.47	16	0.53
2	0.48	7	0.49	12	0.49	17	0.56
3	0.48	8	0.48	13	0.52	18	0.62
4	0.47	9	0.49	14	0.50	19	0.69
5	0.45	10	0.48	15	0.52	20	0.74

1/22/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.02	41	-2.53	61	-2.30
2	2.40	22	-0.03	42	-1.86	62	-2.56
3	2.27	23	-0.10	43	-1.92	63	-3.13
4	2.14	24	-0.20	44	-1.96	64	-3.46
5	2.06	25	-0.31	45	-2.17	65	-3.26
6	1.91	26	-0.40	46	-2.69	66	-3.01
7	1.79	27	-0.66	47	-3.06	67	-2.99
8	1.62	28	-0.66	48	-3.11	68	-3.01
9	1.48	29	-0.76	49	-2.51	69	-3.16
10	1.37	30	-0.86	50	-2.19	70	-3.60
11	1.25	31	-1.27	51	-2.10	71	-3.96
12	1.13	32	-0.88	52	-2.06	72	-4.31
13	1.02	33	-0.86	53	-2.21	73	-4.48
14	0.91	34	-0.87	54	-2.56	74	-3.92
15	0.76	35	-0.91	55	-2.64	75	-3.86
16	0.64	36	-0.95	56	-2.86	76	-3.94
17	0.59	37	-1.02	57	-2.20	77	-4.20
18	0.34	38	-1.11	58	-2.09	78	-4.41
19	0.24	39	-1.69	59	-2.09	79	-4.61
20	0.12	40	-2.26	60	-2.26	80	-4.71
1	0.02	6	-0.10	11	0.07	16	0.08
2	0.0	7	-0.13	12	0.16	17	0.08
3	-0.01	8	-0.09	13	0.20	18	0.22
4	-0.01	9	-0.09	14	0.19	19	0.22
5	-0.07	10	-0.07	15	0.11	20	0.16

1/29/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.0	41	-2.88	61	-2.06
2	2.43	22	-0.38	42	-1.94	62	-2.21
3	2.25	23	-0.50	43	-1.86	63	-2.70
4	2.17	24	-0.46	44	-1.83	64	-3.34
5	2.07	25	-0.57	45	-1.90	65	-2.77
6	1.92	26	-0.61	46	-2.19	66	-2.79
7	1.81	27	-0.65	47	-2.68	67	-2.79
8	1.62	28	-0.66	48	-2.87	68	-3.10
9	1.50	29	-0.70	49	-1.96	69	-3.46
10	1.39	30	-0.78	50	-1.86	70	-3.78
11	1.29	31	-0.86	51	-1.82	71	-3.96
12	1.17	32	-0.92	52	-1.82	72	-4.37
13	1.09	33	-0.94	53	-1.85	73	-3.81
14	1.04	34	-1.01	54	-1.86	74	-3.66
15	0.96	35	-1.18	55	-2.53	75	-3.68
16	0.79	36	-1.16	56	-2.94	76	-3.81
17	0.63	37	-1.29	57	-2.52	77	-3.96
18	0.49	38	-1.44	58	-2.29	78	-4.16
19	0.36	39	-1.83	59	-1.98	79	-4.41
20	0.20	40	-2.34	60	-1.95	80	-4.76
1	-0.08	6	-0.05	11	-0.01	16	-0.12
2	-0.14	7	0.02	12	-0.05	17	-0.06
3	-0.16	8	0.0	13	-0.07	18	-0.05
4	-0.15	9	0.04	14	-0.07	19	-0.04
5	-0.09	10	0.04	15	-0.09	20	-0.05

2/12/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	-0.20	41	-2.32	61	-2.43
2	2.41	22	-0.49	42	-2.04	62	-2.61
3	2.24	23	-0.43	43	-1.88	63	-3.02
4	2.06	24	-0.47	44	-1.82	64	-3.42
5	1.90	25	-0.54	45	-1.73	65	-2.57
6	1.69	26	-0.59	46	-2.32	66	-2.82
7	1.54	27	-0.58	47	-2.58	67	-2.94
8	1.40	28	-0.72	48	-2.49	68	-3.22
9	1.24	29	-0.90	49	-2.01	69	-3.47
10	1.13	30	-1.13	50	-1.79	70	-3.70
11	1.08	31	-1.42	51	-1.75	71	-3.89
12	1.04	32	-0.97	52	-1.74	72	-4.53
13	1.08	33	-0.83	53	-1.79	73	-3.91
14	1.11	34	-0.92	54	-1.94	74	-3.76
15	1.03	35	-1.00	55	-2.49	75	-3.63
16	0.80	36	-1.33	56	-2.82	76	-3.73
17	0.57	37	-1.54	57	-2.45	77	-3.93
18	0.42	38	-1.67	58	-2.24	78	-4.19
19	0.21	39	-1.80	59	-1.93	79	-4.42
20	-0.13	40	-2.12	60	-2.12	80	-4.56
1	0.87	6	0.86	11	0.83	16	0.87
2	0.82	7	0.85	12	0.89	17	0.83
3	0.79	8	0.80	13	0.77	18	0.78
4	0.72	9	0.77	14	0.79	19	0.76
5	0.88	10	0.75	15	0.80	20	0.83

2/ 5/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	-0.23	41	-2.44	61	-3.31
2	2.50	22	-0.28	42	-1.97	62	-3.47
3	2.30	23	-0.39	43	-1.89	63	-3.89
4	2.12	24	-0.55	44	-2.00	64	-4.26
5	1.95	25	-0.64	45	-2.25	65	-4.57
6	1.75	26	-0.76	46	-2.87	66	-3.85
7	1.57	27	-1.30	47	-3.31	67	-3.49
8	1.41	28	-1.34	48	-3.26	68	-3.73
9	1.25	29	-1.38	49	-3.31	69	-3.63
10	1.06	30	-1.46	50	-3.00	70	-3.78
11	0.91	31	-1.82	51	-2.96	71	-4.27
12	0.78	32	-1.15	52	-2.93	72	-4.95
13	0.66	33	-1.09	53	-3.02	73	-4.66
14	0.55	34	-1.02	54	-3.29	74	-3.93
15	0.43	35	-1.13	55	-3.70	75	-3.93
16	0.29	36	-1.22	56	-3.89	76	-3.77
17	0.21	37	-1.30	57	-4.19	77	-3.90
18	0.07	38	-1.41	58	-3.58	78	-3.94
19	0.03	39	-1.39	59	-3.26	79	-4.28
20	-0.06	40	-1.97	60	-3.30	80	-4.87
1	0.37	6	0.53	11	0.35	16	0.51
2	0.39	7	0.52	12	0.32	17	0.55
3	0.43	8	0.55	13	0.38	18	0.53
4	0.44	9	0.60	14	0.35	19	0.51
5	0.48	10	0.59	15	0.39	20	0.47

2/19/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.04	41	-1.51	61	-3.71
2	2.43	22	-0.12	42	-1.42	62	-3.94
3	2.27	23	-0.26	43	-1.44	63	-4.01
4	2.10	24	-0.38	44	-1.46	64	-4.16
5	1.96	25	-0.51	45	-1.68	65	-4.14
6	1.74	26	-0.61	46	-1.90	66	-3.75
7	1.59	27	-0.93	47	-2.44	67	-3.66
8	1.41	28	-0.96	48	-3.04	68	-3.62
9	1.29	29	-0.96	49	-2.76	69	-3.60
10	1.21	30	-0.94	50	-2.59	70	-3.71
11	1.26	31	-1.76	51	-2.61	71	-4.13
12	1.29	32	-1.32	52	-2.97	72	-4.31
13	1.27	33	-1.08	53	-3.61	73	-3.66
14	1.12	34	-1.08	54	-3.61	74	-3.16
15	0.91	35	-1.09	55	-3.72	75	-2.99
16	0.71	36	-1.09	56	-3.78	76	-2.96
17	0.54	37	-1.10	57	-3.81	77	-2.96
18	0.51	38	-1.10	58	-3.46	78	-3.13
19	0.39	39	-1.11	59	-3.86	79	-3.36
20	0.19	40	-1.17	60	-3.43	80	-3.76
1	-0.04	6	0.05	11	-0.06	16	-0.24
2	-0.01	7	0.0	12	-0.07	17	-0.25
3	-0.03	8	-0.16	13	-0.13	18	-0.25
4	-0.03	9	-0.32	14	-0.18	19	-0.24
5	-0.02	10	-0.34	15	-0.19	20	-0.11

2/26/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	-0.16	41	-2.38	61	-3.86
2	2.47	22	-1.00	42	-1.66	62	-3.92
3	2.28	23	-1.16	43	-1.71	63	-4.06
4	2.11	24	-1.36	44	-1.82	64	-4.15
5	1.95	25	-1.46	45	-1.81	65	-3.76
6	1.74	26	-1.09	46	-2.26	66	-3.46
7	1.60	27	-0.93	47	-2.74	67	-3.41
8	1.46	28	-0.94	48	-3.01	68	-3.34
9	1.37	29	-1.06	49	-2.42	69	-3.36
10	1.35	30	-1.30	50	-2.46	70	-3.45
11	1.26	31	-1.67	51	-2.85	71	-3.49
12	1.22	32	-1.16	52	-2.96	72	-3.71
13	1.23	33	-1.26	53	-2.91	73	-2.70
14	1.25	34	-1.32	54	-3.36	74	-2.62
15	1.27	35	-1.42	55	-3.66	75	-2.77
16	1.22	36	-1.46	56	-3.80	76	-2.86
17	0.96	37	-1.53	57	-3.66	77	-3.06
18	0.70	38	-1.56	58	-3.66	78	-3.18
19	0.52	39	-1.81	59	-3.82	79	-3.36
20	0.11	40	-2.06	60	-3.81	80	-3.56
1	1.04	6	1.06	11	1.06	16	1.01
2	1.21	7	1.07	12	1.27	17	0.98
3	1.06	8	0.95	13	1.20	18	0.97
4	1.29	9	0.89	14	1.11	19	1.01
5	1.12	10	1.09	15	1.10	20	1.09

3/12/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.04	41	-1.89	61	-2.41
2	2.44	22	-0.28	42	-1.26	62	-2.70
3	2.23	23	-1.36	43	-1.28	63	-3.16
4	2.07	24	-1.08	44	-1.49	64	-3.78
5	1.92	25	-0.82	45	-1.62	65	-3.26
6	1.73	26	-0.86	46	-1.86	66	-2.82
7	1.59	27	-0.86	47	-3.47	67	-2.71
8	1.48	28	-0.80	48	-3.28	68	-2.81
9	1.40	29	-0.85	49	-3.09	69	-2.93
10	1.35	30	-1.14	50	-2.81	70	-3.12
11	1.29	31	-1.56	51	-2.76	71	-3.46
12	1.33	32	-1.16	52	-2.84	72	-4.00
13	1.52	33	-1.27	53	-2.88	73	-3.76
14	1.57	34	-1.36	54	-3.00	74	-3.35
15	1.53	35	-1.61	55	-3.56	75	-3.16
16	1.16	36	-1.54	56	-3.76	76	-3.25
17	0.92	37	-1.42	57	-3.36	77	-3.36
18	0.68	38	-1.36	58	-2.79	78	-3.42
19	0.51	39	-1.36	59	-2.41	79	-3.86
20	0.43	40	-1.54	60	-2.33	80	-4.31
1	1.00	6	0.75	11	1.26	16	0.98
2	0.87	7	0.67	12	0.91	17	0.88
3	0.85	8	0.79	13	0.99	18	0.93
4	0.84	9	0.66	14	1.15	19	1.06
5	0.82	10	0.74	15	1.05	20	1.15

3/ 5/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.25	41	-2.16	61	-3.56
2	2.44	22	-0.62	42	-2.04	62	-3.60
3	2.25	23	-0.77	43	-2.26	63	-3.71
4	2.09	24	-0.52	44	-2.47	64	-3.91
5	1.94	25	-0.52	45	-2.56	65	-3.13
6	1.73	26	-0.61	46	-2.75	66	-2.99
7	1.59	27	-0.61	47	-2.96	67	-2.92
8	1.46	28	-0.69	48	-3.20	68	-2.86
9	1.40	29	-0.92	49	-2.96	69	-2.96
10	1.36	30	-1.04	50	-3.12	70	-3.10
11	1.31	31	-1.22	51	-3.27	71	-3.39
12	1.28	32	-0.81	52	-3.44	72	-3.66
13	1.48	33	-0.84	53	-3.53	73	-2.76
14	1.51	34	-0.97	54	-3.57	74	-2.76
15	1.53	35	-1.01	55	-3.68	75	-2.81
16	1.18	36	-1.06	56	-3.86	76	-2.96
17	0.86	37	-1.43	57	-3.60	77	-3.04
18	0.60	38	-1.56	58	-3.60	78	-3.44
19	0.44	39	-1.69	59	-3.59	79	-3.59
20	0.13	40	-1.96	60	-3.62	80	-3.87
1	-0.33	6	-0.05	11	-0.16	16	0.01
2	-0.20	7	-0.05	12	-0.11	17	0.01
3	-0.16	8	0.0	13	-0.06	18	0.02
4	-0.06	9	-0.01	14	-0.02	19	0.02
5	-0.06	10	-0.01	15	0.04	20	-0.14

3/19/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.26	41	-2.50	61	-2.81
2	2.46	22	-0.46	42	-2.36	62	-2.79
3	2.27	23	-0.65	43	-1.86	63	-3.01
4	2.11	24	-0.81	44	-1.74	64	-4.01
5	1.93	25	-0.91	45	-1.81	65	-3.66
6	1.73	26	-1.00	46	-1.96	66	-3.40
7	1.60	27	-1.01	47	-2.56	67	-3.14
8	1.50	28	-1.05	48	-2.96	68	-2.91
9	1.47	29	-1.11	49	-2.60	69	-2.56
10	1.45	30	-1.66	50	-2.47	70	-3.43
11	1.45	31	-1.89	51	-2.16	71	-3.79
12	1.51	32	-1.70	52	-2.06	72	-3.56
13	1.59	33	-1.77	53	-2.06	73	-3.53
14	1.60	34	-1.92	54	-2.26	74	-2.96
15	1.48	35	-1.81	55	-2.69	75	-2.62
16	1.21	36	-1.76	56	-3.76	76	-2.46
17	0.94	37	-1.41	57	-3.76	77	-2.63
18	0.63	38	-1.40	58	-3.66	78	-3.01
19	0.04	39	-1.52	59	-2.96	79	-3.24
20	0.06	40	-2.19	60	-2.71	80	-3.90
1	-0.33	6	-0.09	11	-0.32	16	-0.09
2	-0.22	7	-0.08	12	-0.27	17	-0.07
3	-0.21	8	-0.06	13	-0.30	18	-0.02
4	-0.11	9	-0.09	14	-0.24	19	-0.04
5	-0.05	10	-0.12	15	-0.16	20	-0.05

3/26/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	-0.18	41	-2.86	61	-2.77
2	2.45	22	-0.44	42	-2.60	62	-2.90
3	2.25	23	-1.03	43	-2.48	63	-3.51
4	2.10	24	-1.19	44	-1.94	64	-4.01
5	1.94	25	-0.95	45	-1.89	65	-3.46
6	1.75	26	-0.98	46	-1.76	66	-2.96
7	1.64	27	-1.37	47	-2.01	67	-2.76
8	1.59	28	-1.68	48	-2.40	68	-2.76
9	1.57	29	-1.66	49	-1.80	69	-2.82
10	1.57	30	-1.53	50	-1.80	70	-2.87
11	1.63	31	-2.02	51	-1.61	71	-3.84
12	1.69	32	-1.96	52	-1.71	72	-3.21
13	1.72	33	-2.01	53	-1.88	73	-2.76
14	1.59	34	-2.10	54	-2.11	74	-2.61
15	1.33	35	-2.20	55	-2.74	75	-2.57
16	1.03	36	-2.26	56	-3.49	76	-2.66
17	0.82	37	-2.31	57	-3.16	77	-2.66
18	0.62	38	-2.29	58	-2.73	78	-2.85
19	0.39	39	-2.11	59	-2.81	79	-3.58
20	0.14	40	-2.26	60	-2.66	80	-3.47
1	0.94	6	0.65	11	0.93	16	0.96
2	0.81	7	0.60	12	0.94	17	1.00
3	0.82	8	0.62	13	0.86	18	0.97
4	0.73	9	0.60	14	0.97	19	1.02
5	0.67	10	0.60	15	0.96	20	0.85

4/ 9/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.03	41	-2.33	61	-2.67
2	2.46	22	-0.25	42	-2.21	62	-2.77
3	2.30	23	-0.49	43	-1.84	63	-3.32
4	2.11	24	-0.95	44	-1.86	64	-3.56
5	1.93	25	-1.12	45	-1.94	65	-2.84
6	1.74	26	-1.28	46	-2.06	66	-2.27
7	1.64	27	-1.36	47	-2.21	67	-2.15
8	1.58	28	-1.41	48	-2.92	68	-2.16
9	1.56	29	-1.45	49	-2.19	69	-2.21
10	1.57	30	-1.50	50	-1.59	70	-2.58
11	1.60	31	-2.02	51	-1.60	71	-3.19
12	1.72	32	-1.77	52	-1.73	72	-3.27
13	1.73	33	-1.32	53	-1.86	73	-2.89
14	1.63	34	-1.36	54	-2.07	74	-2.61
15	1.36	35	-1.57	55	-2.73	75	-2.63
16	1.05	36	-1.11	56	-3.29	76	-2.79
17	0.78	37	-1.06	57	-2.79	77	-2.94
18	0.60	38	-1.09	58	-2.46	78	-3.31
19	0.43	39	-1.18	59	-2.42	79	-3.56
20	0.34	40	-1.87	60	-2.54	80	-4.13
1	0.02	6	0.16	11	0.10	16	0.32
2	0.10	7	0.15	12	0.11	17	0.26
3	0.20	8	0.10	13	0.18	18	0.25
4	0.21	9	0.02	14	0.20	19	0.27
5	0.18	10	0.03	15	0.28	20	0.22

4/ 2/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	-0.49	41	-2.83	61	-2.70
2	2.13	22	-0.79	42	-1.90	62	-2.76
3	1.92	23	-0.92	43	-1.69	63	-2.93
4	1.72	24	-0.99	44	-1.55	64	-3.06
5	1.53	25	-1.18	45	-1.69	65	-3.27
6	1.35	26	-1.18	46	-1.84	66	-3.40
7	1.35	27	-1.39	47	-2.35	67	-3.10
8	1.21	28	-1.53	48	-2.61	68	-2.98
9	1.09	29	-1.80	49	-2.42	69	-2.56
10	1.07	30	-2.08	50	-2.30	70	-3.26
11	1.09	31	-2.19	51	-2.06	71	-3.60
12	1.13	32	-2.00	52	-2.38	72	-3.53
13	1.21	33	-2.01	53	-2.60	73	-3.56
14	1.22	34	-2.12	54	-2.78	74	-3.08
15	1.19	35	-1.96	55	-2.88	75	-2.78
16	0.94	36	-2.15	56	-3.22	76	-2.56
17	0.80	37	-2.27	57	-3.16	77	-2.66
18	0.62	38	-2.40	58	-2.99	78	-2.76
19	0.21	39	-2.42	59	-2.82	79	-3.26
20	0.17	40	-2.69	60	-2.58	80	-3.87
1	-0.45	6	-0.47	11	-0.71	16	-0.11
2	-0.34	7	-0.65	12	-0.57	17	-0.13
3	-0.56	8	-0.71	13	-0.56	18	-0.20
4	-0.59	9	-0.72	14	-0.55	19	-0.51
5	-0.60	10	-0.60	15	-0.66	20	-0.54

4/16/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.04	41	-2.17	61	-2.65
2	2.46	22	-0.06	42	-1.36	62	-2.83
3	2.25	23	-0.18	43	-1.35	63	-3.30
4	2.09	24	-0.30	44	-1.36	64	-3.71
5	1.93	25	-0.47	45	-1.44	65	-3.56
6	1.73	26	-0.58	46	-1.51	66	-2.86
7	1.64	27	-0.70	47	-2.06	67	-2.67
8	1.59	28	-0.77	48	-2.70	68	-2.60
9	1.56	29	-0.86	49	-2.07	69	-2.58
10	1.60	30	-0.95	50	-1.76	70	-2.61
11	1.67	31	-0.69	51	-1.75	71	-2.67
12	1.71	32	-1.16	52	-1.81	72	-3.30
13	1.74	33	-1.16	53	-1.94	73	-3.06
14	1.63	34	-1.20	54	-2.16	74	-2.38
15	1.32	35	-1.26	55	-2.66	75	-2.28
16	1.01	36	-1.30	56	-3.46	76	-2.30
17	0.83	37	-1.26	57	-3.26	77	-2.46
18	0.61	38	-1.26	58	-2.66	78	-2.65
19	0.54	39	-1.76	59	-2.56	79	-3.02
20	0.26	40	-1.86	60	-2.52	80	-3.46
1	0.03	6	0.05	11	-0.02	16	0.13
2	0.06	7	0.02	12	-0.05	17	0.28
3	0.08	8	-0.02	13	-0.04	18	0.33
4	0.06	9	0.05	14	-0.05	19	0.18
5	0.06	10	0.06	15	0.03	20	0.09

4/23/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.16	41	-2.91	61	-2.63
2	2.39	22	0.04	42	-2.30	62	-2.63
3	2.20	23	-0.10	43	-1.90	63	-2.89
4	2.06	24	-0.34	44	-1.84	64	-3.63
5	1.88	25	-0.56	45	-1.89	65	-3.46
6	1.73	26	-0.56	46	-1.90	66	-2.66
7	1.63	27	-0.66	47	-2.17	67	-2.11
8	1.58	28	-0.77	48	-2.96	68	-2.07
9	1.56	29	-0.98	49	-2.77	69	-2.07
10	1.58	30	-1.19	50	-2.35	70	-2.27
11	1.64	31	-1.86	51	-1.89	71	-2.59
12	1.71	32	-1.22	52	-1.79	72	-3.06
13	1.73	33	-1.10	53	-1.81	73	-2.75
14	1.59	34	-1.10	54	-1.98	74	-2.26
15	1.41	35	-1.16	55	-2.13	75	-2.26
16	1.14	36	-1.47	56	-3.38	76	-2.53
17	0.90	37	-1.32	57	-2.63	77	-2.57
18	0.69	38	-1.46	58	-2.31	78	-2.86
19	0.51	39	-1.62	59	-2.74	79	-3.34
20	0.34	40	-1.97	60	-2.67	80	-3.41
1	0.13	6	0.14	11	0.13	16	0.27
2	0.11	7	0.17	12	0.16	17	0.32
3	0.11	8	0.15	13	0.19	18	0.36
4	0.18	9	0.09	14	0.23	19	0.35
5	0.15	10	0.11	15	0.26	20	0.41

5/ 7/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	-0.06	41	-1.46	61	-2.47
2	2.43	22	-0.31	42	-1.58	62	-2.37
3	2.22	23	-0.48	43	-1.34	63	-2.67
4	2.07	24	-0.96	44	-1.37	64	-3.20
5	1.89	25	-1.10	45	-1.60	65	-3.06
6	1.73	26	-1.30	46	-1.77	66	-2.20
7	1.64	27	-1.50	47	-2.26	67	-2.02
8	1.57	28	-1.56	48	-2.76	68	-2.03
9	1.55	29	-1.69	49	-1.98	69	-2.17
10	1.60	30	-1.77	50	-2.08	70	-2.48
11	1.66	31	-2.06	51	-2.27	71	-2.84
12	1.70	32	-2.05	52	-2.32	72	-3.06
13	1.72	33	-1.99	53	-2.33	73	-2.66
14	1.61	34	-1.99	54	-2.39	74	-2.37
15	1.37	35	-1.92	55	-2.57	75	-2.61
16	1.08	36	-1.89	56	-3.08	76	-2.75
17	0.91	37	-2.01	57	-3.09	77	-2.94
18	0.60	38	-2.02	58	-2.82	78	-3.33
19	0.59	39	-2.09	59	-2.64	79	-3.56
20	0.20	40	-2.20	60	-2.43	80	-3.51
1	-0.07	6	0.22	11	-0.06	16	0.07
2	-0.14	7	0.37	12	-0.05	17	0.05
3	0.03	8	0.56	13	0.05	18	0.10
4	0.01	9	0.51	14	0.13	19	0.11
5	0.20	10	0.46	15	0.13	20	-0.01

4/30/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.19	41	-2.63	61	-2.65
2	2.39	22	0.01	42	-2.50	62	-2.46
3	2.22	23	-0.18	43	-2.60	63	-2.42
4	2.06	24	-0.36	44	-2.70	64	-3.30
5	1.89	25	-0.49	45	-2.81	65	-3.58
6	1.73	26	-0.63	46	-2.74	66	-3.02
7	1.63	27	-0.76	47	-2.63	67	-3.83
8	1.58	28	-0.90	48	-3.28	68	-2.40
9	1.55	29	-0.90	49	-2.93	69	-2.32
10	1.62	30	-1.11	50	-2.90	70	-2.31
11	1.61	31	-1.31	51	-2.90	71	-2.46
12	1.70	32	-1.36	52	-2.83	72	-3.56
13	1.73	33	-1.52	53	-2.86	73	-3.30
14	1.63	34	-1.68	54	-2.87	74	-2.47
15	1.46	35	-1.86	55	-2.94	75	-2.28
16	1.16	36	-1.99	56	-3.06	76	-2.36
17	0.96	37	-2.01	57	-3.36	77	-2.61
18	0.79	38	-1.96	58	-3.06	78	-3.26
19	0.64	39	-2.03	59	-2.97	79	-3.56
20	0.48	40	-1.99	60	-2.96	80	-4.01
1	0.08	6	0.04	11	0.12	16	0.26
2	0.07	7	0.08	12	0.13	17	0.31
3	0.08	8	0.14	13	0.11	18	0.21
4	0.06	9	0.19	14	0.16	19	0.19
5	0.06	10	0.14	15	0.23	20	0.09

5/14/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	-0.15	41	-1.91	61	-2.46
2	2.43	22	-0.33	42	-1.33	62	-2.46
3	2.24	23	-0.46	43	-1.33	63	-2.65
4	2.08	24	-0.61	44	-1.49	64	-3.16
5	1.89	25	-0.76	45	-1.61	65	-3.21
6	1.70	26	-1.00	46	-1.80	66	-2.61
7	1.62	27	-1.56	47	-2.11	67	-2.40
8	1.57	28	-1.71	48	-2.64	68	-2.37
9	1.56	29	-2.03	49	-2.13	69	-2.66
10	1.64	30	-2.13	50	-2.11	70	-2.76
11	1.67	31	-2.34	51	-2.16	71	-2.06
12	1.70	32	-2.33	52	-2.47	72	-2.20
13	1.70	33	-2.07	53	-2.51	73	-3.20
14	1.63	34	-1.80	54	-2.63	74	-2.90
15	1.46	35	-1.06	55	-2.80	75	-3.16
16	0.94	36	-1.06	56	-3.16	76	-3.56
17	0.70	37	-1.06	57	-2.84	77	-3.56
18	0.43	38	-1.16	58	-2.89	78	-3.66
19	0.14	39	-1.24	59	-2.66	79	-3.90
20	-0.01	40	-1.67	60	-2.57	80	-3.65
1	-0.12	6	0.54	11	-0.11	16	0.31
2	-0.10	7	0.66	12	-0.07	17	0.42
3	-0.02	8	0.72	13	-0.01	18	0.45
4	0.10	9	0.81	14	-0.05	19	0.45
5	0.35	10	0.69	15	0.05	20	0.39

5/21/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	-0.15	41	-2.06	61	-1.97
2	2.07	22	-0.27	42	-1.69	62	-2.20
3	1.92	23	-0.59	43	-1.73	63	-2.47
4	1.86	24	-0.49	44	-1.67	64	-2.70
5	1.61	25	-0.54	45	-1.59	65	-2.20
6	1.48	26	-0.76	46	-1.60	66	-2.09
7	1.38	27	-0.86	47	-2.06	67	-2.16
8	1.35	28	-0.86	48	-3.19	68	-2.27
9	1.34	29	-0.87	49	-3.11	69	-2.47
10	1.37	30	-1.25	50	-2.99	70	-2.78
11	1.45	31	-1.60	51	-2.69	71	-2.89
12	1.51	32	-0.96	52	-2.66	72	-3.06
13	1.50	33	-0.78	53	-2.25	73	-2.77
14	1.34	34	-1.00	54	-2.17	74	-2.76
15	1.21	35	-1.01	55	-2.34	75	-2.90
16	0.76	36	-1.06	56	-2.74	76	-3.04
17	0.64	37	-1.09	57	-2.30	77	-3.24
18	0.43	38	-1.08	58	-1.96	78	-3.45
19	0.24	39	-1.26	59	-1.88	79	-3.65
20	0.06	40	-1.49	60	-1.89	80	-3.79
1	-0.13	6	0.13	11	-0.12	16	0.04
2	-0.01	7	0.26	12	-0.11	17	0.09
3	-0.04	8	0.28	13	-0.09	18	0.09
4	0.0	9	0.32	14	-0.03	19	-0.01
5	0.01	10	0.37	15	0.06	20	-0.03

6/ 4/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.32	41	-1.69	61	-2.64
2	2.41	22	0.21	42	-1.26	62	-2.61
3	2.24	23	0.06	43	-1.30	63	-2.79
4	2.07	24	-0.07	44	-1.46	64	-3.16
5	1.91	25	-0.20	45	-1.67	65	-2.89
6	1.70	26	-0.33	46	-2.11	66	-2.57
7	1.63	27	-0.41	47	-2.59	67	-2.67
8	1.58	28	-0.47	48	-3.20	68	-2.71
9	1.58	29	-0.65	49	-2.56	69	-2.86
10	1.62	30	-0.63	50	-1.97	70	-3.11
11	1.68	31	-1.36	51	-1.95	71	-3.36
12	1.72	32	-0.76	52	-2.09	72	-3.68
13	1.77	33	-0.71	53	-2.25	73	-3.10
14	1.51	34	-0.72	54	-2.31	74	-2.87
15	1.24	35	-0.86	55	-2.79	75	-3.06
16	1.10	36	-0.98	56	-3.25	76	-3.14
17	1.07	37	-1.03	57	-2.44	77	-3.31
18	0.93	38	-1.06	58	-2.26	78	-3.57
19	0.78	39	-1.06	59	-2.26	79	-3.76
20	0.55	40	-1.06	60	-2.35	80	-4.01
1	0.30	6	0.37	11	0.14	16	0.12
2	0.34	7	0.37	12	0.11	17	0.15
3	0.35	8	0.34	13	0.08	18	0.15
4	0.36	9	0.27	14	0.06	19	0.21
5	0.37	10	0.26	15	0.06	20	0.24

5/28/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.19	41	-1.54	61	-2.61
2	2.38	22	0.13	42	-1.17	62	-3.06
3	2.19	23	0.04	43	-1.24	63	-3.36
4	2.05	24	-0.11	44	-1.26	64	-3.82
5	1.91	25	-0.20	45	-1.26	65	-2.61
6	1.72	26	-0.31	46	-1.51	66	-2.69
7	1.62	27	-0.39	47	-1.76	67	-2.67
8	1.58	28	-0.46	48	-2.51	68	-2.62
9	1.58	29	-0.56	49	-1.82	69	-2.86
10	1.62	30	-0.57	50	-1.81	70	-3.16
11	1.68	31	-1.01	51	-1.95	71	-3.38
12	1.72	32	-0.71	52	-2.06	72	-4.01
13	1.77	33	-0.71	53	-2.33	73	-3.65
14	1.51	34	-0.72	54	-2.78	74	-3.04
15	1.24	35	-0.76	55	-3.26	75	-2.97
16	0.86	36	-0.81	56	-3.50	76	-2.98
17	0.68	37	-0.85	57	-2.94	77	-3.06
18	0.59	38	-0.86	58	-2.40	78	-3.41
19	0.44	39	-0.90	59	-2.30	79	-4.16
20	0.31	40	-0.96	60	-2.38	80	-4.40
1	0.10	6	0.13	11	0.18	16	0.05
2	0.09	7	0.13	12	0.22	17	0.0
3	0.05	8	0.17	13	0.23	18	0.05
4	0.07	9	0.23	14	0.19	19	0.0
5	0.10	10	0.22	15	0.17	20	0.0

6/11/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.33	41	-2.46	61	-2.40
2	2.43	22	0.19	42	-1.87	62	-2.50
3	2.24	23	0.05	43	-1.76	63	-2.81
4	2.08	24	-0.13	44	-1.79	64	-2.33
5	1.90	25	-0.20	45	-1.79	65	-2.99
6	1.70	26	-0.27	46	-1.89	66	-2.57
7	1.61	27	-0.36	47	-2.00	67	-2.59
8	1.56	28	-0.40	48	-2.70	68	-2.67
9	1.59	29	-0.41	49	-2.16	69	-2.91
10	1.64	30	-0.45	50	-1.61	70	-2.91
11	1.68	31	-0.89	51	-1.59	71	-3.21
12	1.75	32	-0.55	52	-1.60	72	-3.53
13	1.74	33	-0.60	53	-1.65	73	-3.36
14	1.48	34	-0.66	54	-1.82	74	-2.90
15	1.31	35	-0.71	55	-2.13	75	-2.97
16	1.21	36	-0.79	56	-2.92	76	-3.14
17	1.01	37	-0.90	57	-2.67	77	-3.27
18	0.80	38	-0.95	58	-2.17	78	-3.36
19	0.64	39	-1.11	59	-2.20	79	-3.47
20	0.51	40	-1.59	60	-2.21	80	-3.96
1	0.27	6	0.29	11	0.24	16	0.25
2	0.25	7	0.31	12	0.23	17	0.20
3	0.27	8	0.36	13	0.21	18	0.12
4	0.28	9	0.36	14	0.26	19	0.16
5	0.27	10	0.35	15	0.25	20	0.05

6/18/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.36	41	-2.84	61	-2.15
2	2.46	22	0.25	42	-1.90	62	-2.41
3	2.25	23	0.14	43	-1.69	63	-2.76
4	2.10	24	0.27	44	-1.61	64	-2.97
5	1.93	25	0.0	45	-1.61	65	-2.50
6	1.74	26	-0.06	46	-1.61	66	-2.18
7	1.62	27	-0.11	47	-1.92	67	-2.46
8	1.57	28	-0.17	48	-2.58	68	-2.56
9	1.58	29	-0.24	49	-1.64	69	-2.69
10	1.62	30	-0.29	50	-1.39	70	-2.89
11	1.66	31	-0.38	51	-1.38	71	-3.06
12	1.74	32	-0.48	52	-1.53	72	-3.56
13	1.75	33	-0.56	53	-1.66	73	-2.99
14	1.52	34	-0.65	54	-1.91	74	-2.76
15	1.43	35	-0.71	55	-2.26	75	-2.94
16	1.16	36	-0.86	56	-2.62	76	-3.06
17	1.01	37	-1.14	57	-2.31	77	-3.20
18	0.85	38	-1.45	58	-1.81	78	-3.40
19	0.70	39	-1.97	59	-1.89	79	-3.56
20	0.54	40	-2.39	60	-2.16	80	-4.03
1	0.37	6	0.41	11	0.28	16	0.19
2	0.39	7	0.50	12	0.22	17	0.17
3	0.40	8	0.50	13	0.23	18	0.14
4	0.43	9	0.60	14	0.21	19	0.09
5	0.44	10	0.68	15	0.21	20	0.0

6/25/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.12	41	-2.21	61	-3.09
2	2.41	22	0.08	42	-1.96	62	-3.16
3	2.22	23	-0.03	43	-1.59	63	-3.69
4	2.09	24	-0.17	44	-1.58	64	-3.86
5	1.98	25	-0.24	45	-1.66	65	-3.76
6	1.92	26	-0.36	46	-1.64	66	-3.15
7	1.79	27	-0.47	47	-1.71	67	-3.04
8	1.69	28	-0.56	48	-2.56	68	-3.32
9	1.56	29	-0.66	49	-2.40	69	-3.10
10	1.44	30	-0.84	50	-1.86	70	-3.35
11	1.30	31	-1.24	51	-1.98	71	-3.56
12	1.21	32	-1.16	52	-2.11	72	-3.98
13	1.12	33	-0.94	53	-2.52	73	-3.74
14	1.03	34	-0.98	54	-3.00	74	-3.10
15	0.90	35	-1.34	55	-3.33	75	-3.27
16	0.78	36	-1.05	56	-3.63	76	-3.36
17	0.70	37	-1.26	57	-3.39	77	-3.44
18	0.60	38	-1.16	58	-2.70	78	-3.56
19	0.44	39	-1.18	59	-2.84	79	-3.97
20	0.34	40	-1.46	60	-3.00	80	-4.16
1	0.10	6	0.20	11	0.11	16	0.19
2	0.10	7	0.21	12	0.14	17	0.18
3	0.14	8	0.17	13	0.13	18	0.13
4	0.14	9	0.15	14	0.17	19	0.16
5	0.20	10	0.13	15	0.20	20	0.17

7/ 2/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.04	41	-1.96	61	-2.43
2	2.41	22	-0.14	42	-1.69	62	-2.64
3	2.23	23	-0.35	43	-1.24	63	-3.08
4	2.10	24	-0.30	44	-1.13	64	-3.75
5	2.01	25	-0.66	45	-1.34	65	-3.80
6	1.91	26	-0.70	46	-1.68	66	-3.26
7	1.80	27	-0.73	47	-2.26	67	-2.98
8	1.72	28	-0.76	48	-2.52	68	-2.79
9	1.61	29	-0.80	49	-1.97	69	-2.70
10	1.50	30	-0.84	50	-1.78	70	-2.92
11	1.41	31	-1.59	51	-1.66	71	-3.33
12	1.32	32	-1.40	52	-1.67	72	-3.96
13	1.23	33	-1.20	53	-1.68	73	-3.25
14	1.13	34	-1.33	54	-1.77	74	-2.84
15	1.01	35	-1.38	55	-1.93	75	-2.86
16	0.80	36	-1.50	56	-3.07	76	-2.95
17	0.70	37	-1.67	57	-2.96	77	-3.07
18	0.54	38	-1.60	58	-2.22	78	-3.30
19	0.37	39	-1.77	59	-2.21	79	-3.61
20	0.23	40	-1.37	60	-2.27	80	-4.15
1	-0.04	6	0.14	11	-0.03	16	0.14
2	0.03	7	0.10	12	0.06	17	0.06
3	0.11	8	0.07	13	0.15	18	0.0
4	0.13	9	0.05	14	0.21	19	0.03
5	0.10	10	0.02	15	0.13	20	0.11

7/ 9/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.34	41	-2.23	61	-1.54
2	2.41	22	0.19	42	-1.96	62	-1.59
3	2.24	23	0.06	43	-1.59	63	-1.92
4	2.10	24	-0.16	44	-1.50	64	-2.50
5	2.01	25	-0.23	45	-1.80	65	-2.18
6	1.91	26	-0.21	46	-1.91	66	-2.10
7	1.81	27	-0.21	47	-2.18	67	-2.27
8	1.73	28	-0.21	48	-2.71	68	-2.56
9	1.61	29	-0.21	49	-2.15	69	-2.64
10	1.52	30	-0.25	50	-1.86	70	-3.00
11	1.39	31	-0.72	51	-1.71	71	-3.31
12	1.33	32	-0.25	52	-1.77	72	-3.46
13	1.27	33	-0.32	53	-1.77	73	-2.96
14	1.18	34	-0.38	54	-1.98	74	-2.96
15	1.09	35	-0.46	55	-2.10	75	-2.97
16	0.99	36	-0.74	56	-2.60	76	-3.04
17	0.84	37	-0.86	57	-2.27	77	-3.12
18	0.70	38	-0.96	58	-1.90	78	-3.30
19	0.60	39	-1.36	59	-1.62	79	-3.56
20	0.53	40	-1.96	60	-1.60	80	-3.96
1	0.30	6	0.37	11	0.32	16	0.18
2	0.30	7	0.40	12	0.35	17	0.22
3	0.31	8	0.42	13	0.40	18	0.19
4	0.32	9	0.40	14	0.27	19	0.17
5	0.34	10	0.40	15	0.17	20	0.22

7/16/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.50	41	-1.92	61	-2.06
2	2.41	22	0.40	42	-1.02	62	-2.31
3	2.24	23	0.30	43	-1.01	63	-2.77
4	2.12	24	0.19	44	-1.25	64	-2.96
5	2.02	25	0.13	45	-1.44	65	-2.39
6	1.91	26	0.04	46	-1.46	66	-2.32
7	1.79	27	0.01	47	-1.68	67	-2.58
8	1.65	28	-0.05	48	-1.93	68	-2.62
9	1.60	29	-0.09	49	-1.19	69	-2.88
10	1.53	30	-0.16	50	-1.20	70	-2.94
11	1.43	31	-0.20	51	-1.26	71	-3.15
12	1.34	32	-0.34	52	-1.37	72	-3.49
13	1.25	33	-0.43	53	-1.66	73	-2.97
14	1.21	34	-0.55	54	-1.79	74	-2.81
15	1.15	35	-0.69	55	-1.85	75	-2.97
16	1.09	36	-0.87	56	-2.20	76	-3.09
17	1.03	37	-1.32	57	-1.83	77	-3.21
18	0.90	38	-1.57	58	-1.71	78	-3.45
19	0.80	39	-1.87	59	-1.81	79	-3.67
20	0.63	40	-2.01	60	-1.97	80	-3.87
1	0.48	6	0.39	11	0.36	16	0.23
2	0.47	7	0.35	12	0.34	17	0.21
3	0.45	8	0.34	13	0.28	18	0.13
4	0.43	9	0.35	14	0.26	19	-0.01
5	0.41	10	0.35	15	0.26	20	-0.09

7/23/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.60	41	-1.86	61	-2.56
2	2.41	22	0.47	42	-1.30	62	-3.06
3	2.21	23	0.34	43	-1.20	63	-3.06
4	2.07	24	0.19	44	-1.07	64	-3.57
5	1.99	25	0.10	45	-1.00	65	-3.01
6	1.90	26	-0.06	46	-1.06	66	-2.80
7	1.77	27	-0.17	47	-1.23	67	-3.07
8	1.69	28	-0.26	48	-1.76	68	-3.24
9	1.62	29	-0.29	49	-1.50	69	-3.43
10	1.49	30	-0.39	50	-1.41	70	-3.26
11	1.43	31	-0.81	51	-1.40	71	-3.68
12	1.36	32	-0.53	52	-1.43	72	-3.85
13	1.28	33	-0.57	53	-1.37	73	-3.46
14	1.24	34	-0.61	54	-1.40	74	-3.24
15	1.23	35	-0.68	55	-1.64	75	-3.40
16	1.22	36	-0.72	56	-2.28	76	-3.35
17	1.18	37	-0.78	57	-2.11	77	-3.68
18	1.08	38	-0.80	58	-1.86	78	-3.78
19	0.94	39	-0.87	59	-1.80	79	-4.06
20	0.80	40	-1.06	60	-2.11	80	-4.22
1	0.64	6	0.69	11	0.43	16	0.43
2	0.61	7	0.70	12	0.50	17	0.42
3	0.65	8	0.63	13	0.54	18	0.46
4	0.63	9	0.64	14	0.44	19	0.38
5	0.53	10	0.74	15	0.49	20	0.26

7/30/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.84	41	-1.48	61	-2.88
2	2.41	22	0.56	42	-0.90	62	-3.01
3	2.23	23	0.34	43	-0.89	63	-3.06
4	2.08	24	0.16	44	-0.95	64	-3.46
5	1.98	25	-0.01	45	-1.04	65	-2.96
6	1.92	26	-0.13	46	-1.38	66	-2.72
7	1.79	27	-0.22	47	-1.59	67	-2.86
8	1.65	28	-0.31	48	-1.90	68	-2.99
9	1.57	29	-0.38	49	-1.36	69	-3.18
10	1.48	30	-0.48	50	-1.40	70	-3.39
11	1.39	31	-1.10	51	-1.59	71	-3.52
12	1.35	32	-0.52	52	-1.95	72	-3.81
13	1.29	33	-0.50	53	-2.01	73	-2.96
14	1.25	34	-0.50	54	-2.21	74	-3.06
15	1.24	35	-0.52	55	-2.30	75	-3.25
16	1.21	36	-0.56	56	-2.69	76	-3.36
17	1.16	37	-0.60	57	-2.26	77	-3.50
18	1.15	38	-0.63	58	-2.09	78	-3.66
19	1.14	39	-0.69	59	-2.35	79	-3.89
20	1.18	40	-1.03	60	-2.46	80	-4.23
1	0.95	6	1.09	11	0.73	16	0.43
2	1.11	7	1.16	12	0.61	17	0.41
3	1.13	8	0.98	13	0.54	18	0.28
4	1.12	9	1.09	14	0.47	19	0.20
5	1.16	10	1.22	15	0.43	20	0.12

8/ 6/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.34	41	-2.15	61	-1.97
2	2.42	22	0.24	42	-1.31	62	-2.32
3	2.22	23	0.13	43	-1.06	63	-2.88
4	2.09	24	0.02	44	-1.10	64	-3.14
5	1.98	25	-0.13	45	-1.24	65	-2.57
6	1.92	26	-0.24	46	-1.52	66	-2.64
7	1.78	27	-0.35	47	-1.89	67	-2.84
8	1.69	28	-0.41	48	-2.50	68	-3.10
9	1.57	29	-0.53	49	-1.91	69	-3.39
10	1.52	30	-0.76	50	-1.33	70	-3.45
11	1.47	31	-1.37	51	-1.29	71	-3.69
12	1.42	32	-0.85	52	-1.27	72	-4.07
13	1.36	33	-0.88	53	-1.32	73	-3.66
14	1.30	34	-0.94	54	-1.46	74	-3.39
15	1.21	35	-1.14	55	-1.71	75	-3.53
16	1.12	36	-1.12	56	-2.07	76	-3.63
17	0.98	37	-1.06	57	-1.86	77	-3.74
18	0.80	38	-0.93	58	-1.63	78	-3.89
19	0.64	39	-0.87	59	-1.70	79	-3.91
20	0.51	40	-1.36	60	-1.89	80	-4.36
1	0.41	6	0.60	11	0.37	16	0.12
2	0.44	7	0.53	12	0.36	17	0.15
3	0.53	8	0.46	13	0.31	18	0.13
4	0.57	9	0.53	14	0.32	19	0.13
5	0.67	10	0.63	15	0.28	20	0.10

8/13/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.43	41	-1.46	61	-2.81
2	2.43	22	0.29	42	-0.86	62	-2.94
3	2.26	23	0.14	43	-0.83	63	-3.14
4	2.10	24	0.02	44	-0.86	64	-3.14
5	2.00	25	-0.09	45	-0.89	65	-2.87
6	1.90	26	-0.20	46	-0.96	66	-3.01
7	1.78	27	-0.29	47	-1.10	67	-3.07
8	1.67	28	-0.26	48	-1.49	68	-3.10
9	1.58	29	-0.44	49	-1.31	69	-3.45
10	1.52	30	-0.49	50	-1.24	70	-3.56
11	1.47	31	-1.04	51	-1.29	71	-3.70
12	1.42	32	-0.56	52	-1.36	72	-3.90
13	1.40	33	-0.51	53	-1.61	73	-3.39
14	1.37	34	-0.52	54	-1.96	74	-3.39
15	1.35	35	-0.54	55	-2.06	75	-3.46
16	1.27	36	-0.59	56	-2.33	76	-3.69
17	1.13	37	-0.62	57	-2.20	77	-3.81
18	0.94	38	-0.66	58	-2.01	78	-3.96
19	0.80	39	-0.70	59	-2.28	79	-4.06
20	0.64	40	-0.91	60	-2.62	80	-4.23
1	0.48	6	0.68	11	0.42	16	0.22
2	0.52	7	0.73	12	0.43	17	0.15
3	0.53	8	0.85	13	0.38	18	0.12
4	0.56	9	0.86	14	0.29	19	0.12
5	0.61	10	0.91	15	0.21	20	0.08

8/20/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.74	41	-1.39	61	-2.76
2	2.44	22	0.44	42	-0.82	62	-2.76
3	2.26	23	0.20	43	-0.77	63	-3.00
4	2.11	24	0.03	44	-0.84	64	-3.36
5	2.00	25	-0.19	45	-0.93	65	-2.67
6	1.92	26	-0.22	46	-1.03	66	-2.87
7	1.75	27	-0.19	47	-1.22	67	-3.16
8	1.69	28	-0.16	48	-1.71	68	-3.41
9	1.57	29	-0.15	49	-1.36	69	-3.24
10	1.52	30	-0.19	50	-1.46	70	-3.34
11	1.46	31	-0.66	51	-1.64	71	-3.51
12	1.40	32	-0.35	52	-1.84	72	-3.94
13	1.37	33	-0.30	53	-2.01	73	-3.85
14	1.34	34	-0.36	54	-2.10	74	-3.51
15	1.34	35	-0.41	55	-2.36	75	-3.43
16	1.29	36	-0.45	56	-2.56	76	-3.61
17	1.20	37	-0.54	57	-2.23	77	-3.77
18	1.20	38	-0.56	58	-2.25	78	-3.86
19	1.13	39	-0.61	59	-2.26	79	-3.86
20	0.96	40	-0.72	60	-2.69	80	-4.27
1	0.73	6	0.85	11	0.77	16	0.63
2	0.72	7	0.79	12	0.74	17	0.59
3	0.81	8	0.84	13	0.69	18	0.64
4	0.84	9	0.85	14	0.61	19	0.65
5	0.87	10	0.84	15	0.59	20	0.45

8/27/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.69	41	-1.60	61	-2.91
2	2.37	22	0.54	42	-1.16	62	-2.95
3	2.21	23	0.38	43	-0.98	63	-3.15
4	2.04	24	0.24	44	-0.96	64	-3.20
5	1.98	25	0.11	45	-1.04	65	-2.86
6	1.87	26	-0.01	46	-1.08	66	-2.85
7	1.75	27	-0.13	47	-1.11	67	-2.98
8	1.65	28	-0.21	48	-1.61	68	-3.21
9	1.55	29	-0.31	49	-1.34	69	-3.22
10	1.50	30	-0.39	50	-1.24	70	-3.31
11	1.45	31	-1.08	51	-1.21	71	-3.54
12	1.39	32	-0.54	52	-1.38	72	-3.85
13	1.37	33	-0.50	53	-1.66	73	-3.38
14	1.37	34	-0.50	54	-2.15	74	-3.64
15	1.36	35	-0.51	55	-2.49	75	-3.44
16	1.39	36	-0.53	56	-2.71	76	-3.56
17	1.36	37	-0.58	57	-2.52	77	-3.63
18	1.34	38	-0.59	58	-2.32	78	-3.77
19	1.12	39	-0.66	59	-2.61	79	-3.77
20	0.94	40	-0.78	60	-2.72	80	-4.11
1	0.75	6	0.62	11	0.67	16	0.46
2	0.75	7	0.56	12	0.65	17	0.42
3	0.72	8	0.53	13	0.64	18	0.34
4	0.71	9	0.56	14	0.59	19	0.31
5	0.64	10	0.59	15	0.52	20	0.19

9/ 3/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.19	41	-1.56	61	-1.70
2	2.41	22	0.11	42	-1.61	62	-1.88
3	2.23	23	-0.01	43	-1.61	63	-2.23
4	2.10	24	-0.11	44	-1.61	64	-2.62
5	1.99	25	-0.20	45	-1.81	65	-2.54
6	1.92	26	-0.26	46	-1.68	66	-2.27
7	1.85	27	-0.33	47	-1.76	67	-2.40
8	1.81	28	-0.37	48	-2.36	68	-2.56
9	1.73	29	-0.41	49	-2.06	69	-2.95
10	1.60	30	-0.51	50	-1.91	70	-3.16
11	1.47	31	-1.06	51	-2.03	71	-3.47
12	1.35	32	-0.70	52	-1.84	72	-3.81
13	1.24	33	-0.77	53	-1.97	73	-3.41
14	1.14	34	-0.86	54	-2.03	74	-3.36
15	1.05	35	-0.79	55	-2.30	75	-3.45
16	0.94	36	-0.86	56	-2.76	76	-3.56
17	0.82	37	-0.91	57	-2.70	77	-3.74
18	0.74	38	-0.92	58	-2.35	78	-3.96
19	0.50	39	-1.02	59	-1.87	79	-4.25
20	0.34	40	-1.01	60	-1.67	80	-4.36
1	0.22	6	0.24	11	0.16	16	0.18
2	0.26	7	0.22	12	0.12	17	0.20
3	0.24	8	0.22	13	0.16	18	0.19
4	0.30	9	0.17	14	0.16	19	0.25
5	0.29	10	0.19	15	0.19	20	0.22

9/10/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.14	41	-2.54	61	-1.76
2	2.37	22	0.11	42	-1.83	62	-1.96
3	2.23	23	0.04	43	-1.40	63	-2.16
4	2.08	24	-0.04	44	-1.39	64	-2.41
5	2.03	25	-0.09	45	-1.74	65	-2.23
6	1.89	26	-0.16	46	-1.60	66	-2.16
7	1.85	27	-0.21	47	-2.13	67	-2.30
8	1.80	28	-0.26	48	-2.82	68	-2.46
9	1.74	29	-0.30	49	-1.96	69	-2.70
10	1.62	30	-0.37	50	-1.10	70	-2.93
11	1.53	31	-0.67	51	-0.96	71	-3.26
12	1.40	32	-0.59	52	-0.99	72	-3.66
13	1.27	33	-0.66	53	-0.97	73	-3.28
14	1.13	34	-0.76	54	-1.04	74	-3.06
15	0.96	35	-1.06	55	-1.22	75	-3.23
16	0.78	36	-1.13	56	-1.63	76	-3.43
17	0.63	37	-1.36	57	-1.51	77	-3.56
18	0.49	38	-1.39	58	-1.36	78	-3.79
19	0.36	39	-1.56	59	-1.40	79	-4.09
20	0.25	40	-2.06	60	-1.59	80	-4.18
1	0.17	6	0.29	11	0.13	16	0.17
2	0.22	7	0.30	12	0.13	17	0.18
3	0.27	8	0.30	13	0.12	18	0.17
4	0.29	9	0.35	14	0.15	19	0.12
5	0.30	10	0.40	15	0.14	20	0.09

9/24/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	-0.16	41	-2.37	61	-3.21
2	2.46	22	-0.29	42	-2.14	62	-3.46
3	2.35	23	-0.48	43	-2.14	63	-3.68
4	2.21	24	-0.86	44	-1.86	64	-4.22
5	2.09	25	-0.86	45	-2.16	65	-4.41
6	1.98	26	-0.96	46	-2.08	66	-4.24
7	1.88	27	-1.40	47	-2.26	67	-4.11
8	1.76	28	-1.51	48	-2.87	68	-4.14
9	1.59	29	-1.61	49	-2.60	69	-3.94
10	1.41	30	-1.66	50	-2.53	70	-4.16
11	1.31	31	-1.66	51	-2.39	71	-4.06
12	1.24	32	-1.71	52	-2.16	72	-4.44
13	1.18	33	-1.76	53	-1.86	73	-4.40
14	1.15	34	-1.70	54	-1.80	74	-4.16
15	1.08	35	-1.81	55	-2.07	75	-4.16
16	0.93	36	-1.85	56	-2.86	76	-3.92
17	0.69	37	-1.94	57	-3.44	77	-3.47
18	0.42	38	-1.84	58	-2.76	78	-3.52
19	0.24	39	-1.76	59	-2.80	79	-3.46
20	0.02	40	-1.60	60	-3.06	80	-3.61
1	-0.21	6	-0.14	11	-0.18	16	-0.04
2	-0.21	7	-0.07	12	-0.17	17	-0.06
3	-0.21	8	0.0	13	-0.11	18	-0.03
4	-0.20	9	0.04	14	-0.01	19	0.02
5	-0.16	10	0.01	15	-0.06	20	-0.02

9/21/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	-0.15	41	-2.36	61	-3.10
2	2.47	22	-0.27	42	-1.56	62	-3.44
3	2.34	23	-0.41	43	-1.46	63	-3.75
4	2.19	24	-0.76	44	-1.46	64	-4.26
5	2.06	25	-1.16	45	-1.69	65	-4.30
6	1.95	26	-1.42	46	-1.86	66	-3.40
7	1.85	27	-1.44	47	-2.15	67	-3.36
8	1.69	28	-1.45	48	-3.26	68	-3.31
9	1.55	29	-1.61	49	-2.66	69	-3.40
10	1.41	30	-1.75	50	-2.21	70	-3.60
11	1.25	31	-1.86	51	-2.07	71	-3.96
12	1.11	32	-1.96	52	-2.00	72	-4.52
13	0.98	33	-1.56	53	-2.12	73	-4.45
14	0.88	34	-1.26	54	-2.47	74	-3.90
15	0.77	35	-1.25	55	-3.22	75	-3.25
16	0.64	36	-1.19	56	-3.76	76	-3.31
17	0.44	37	-1.15	57	-3.49	77	-3.19
18	0.34	38	-1.18	58	-3.10	78	-3.27
19	0.23	39	-1.40	59	-2.81	79	-3.26
20	0.10	40	-1.77	60	-2.79	80	-3.66
1	-0.05	6	0.0	11	-0.13	16	-0.11
2	0.05	7	0.0	12	-0.14	17	-0.05
3	0.01	8	-0.01	13	-0.15	18	-0.01
4	0.03	9	-0.04	14	-0.14	19	0.01
5	0.07	10	-0.02	15	-0.12	20	0.03

10/ 1/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	-0.16	41	-2.56	61	-2.86
2	2.51	22	-0.12	42	-2.10	62	-3.11
3	2.38	23	-0.20	43	-1.76	63	-3.50
4	2.19	24	-0.42	44	-1.79	64	-4.56
5	2.07	25	-0.66	45	-1.86	65	-4.47
6	1.98	26	-0.86	46	-2.28	66	-4.06
7	1.88	27	-0.80	47	-2.61	67	-3.80
8	1.76	28	-0.91	48	-2.73	68	-3.62
9	1.63	29	-1.16	49	-2.45	69	-3.56
10	1.50	30	-1.34	50	-2.36	70	-3.66
11	1.36	31	-2.06	51	-2.36	71	-3.80
12	1.20	32	-2.10	52	-2.23	72	-4.44
13	1.03	33	-2.22	53	-2.41	73	-4.16
14	0.87	34	-2.10	54	-2.56	74	-4.06
15	0.73	35	-2.16	55	-2.71	75	-4.06
16	0.43	36	-1.96	56	-3.47	76	-3.96
17	0.39	37	-2.06	57	-3.56	77	-3.96
18	0.31	38	-2.36	58	-2.98	78	-3.96
19	0.15	39	-2.24	59	-2.81	79	-3.91
20	0.08	40	-2.26	60	-2.70	80	-3.96
1	0.51	6	0.62	11	0.57	16	0.77
2	0.55	7	0.62	12	0.61	17	0.71
3	0.62	8	0.60	13	0.64	18	0.71
4	0.62	9	0.58	14	0.69	19	0.67
5	0.64	10	0.65	15	0.74	20	0.62

10/ 8/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	0.14	41	-2.06	61	-2.91
2	2.48	22	0.03	42	-1.46	62	-3.33
3	2.35	23	-0.19	43	-1.17	63	-3.46
4	2.21	24	-0.30	44	-1.06	64	-4.16
5	2.06	25	-0.64	45	-1.02	65	-3.98
6	1.90	26	-0.76	46	-1.04	66	-3.66
7	1.76	27	-0.81	47	-1.18	67	-3.62
8	1.59	28	-0.92	48	-1.93	68	-3.49
9	1.48	29	-1.25	49	-1.41	69	-3.49
10	1.38	30	-1.66	50	-1.44	70	-3.89
11	1.29	31	-1.81	51	-1.59	71	-4.29
12	1.21	32	-1.92	52	-1.76	72	-4.46
13	1.16	33	-1.76	53	-2.01	73	-4.16
14	1.15	34	-1.91	54	-2.32	74	-3.96
15	1.14	35	-1.75	55	-2.78	75	-3.96
16	1.09	36	-1.81	56	-3.86	76	-4.01
17	1.02	37	-1.82	57	-3.36	77	-3.94
18	0.87	38	-1.34	58	-2.89	78	-4.20
19	0.67	39	-1.14	59	-2.78	79	-4.23
20	0.46	40	-1.37	60	-2.78	80	-4.46
1	0.20	6	0.21	11	0.20	16	0.17
2	0.26	7	0.16	12	0.12	17	0.08
3	0.28	8	0.09	13	0.27	18	0.12
4	0.21	9	-0.02	14	0.27	19	0.03
5	0.21	10	-0.01	15	0.28	20	-0.06

10/22/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.01	41	-1.86	61	-2.70
2	2.56	22	0.0	42	-1.28	62	-2.79
3	2.37	23	-0.08	43	-1.30	63	-3.22
4	2.23	24	-0.45	44	-1.43	64	-4.23
5	2.06	25	-0.65	45	-1.82	65	-3.88
6	1.92	26	-0.60	46	-2.56	66	-3.17
7	1.80	27	-0.69	47	-2.74	67	-3.16
8	1.65	28	-0.91	48	-3.00	68	-3.38
9	1.56	29	-0.94	49	-3.10	69	-3.57
10	1.51	30	-1.14	50	-3.24	70	-3.77
11	1.47	31	-1.85	51	-3.29	71	-3.86
12	1.41	32	-1.46	52	-3.30	72	-4.41
13	1.40	33	-1.24	53	-3.22	73	-3.75
14	1.42	34	-1.22	54	-3.48	74	-3.34
15	1.45	35	-1.06	55	-3.80	75	-3.28
16	1.26	36	-0.92	56	-3.86	76	-3.37
17	1.01	37	-0.86	57	-3.68	77	-3.40
18	0.75	38	-0.87	58	-2.95	78	-3.46
19	0.54	39	-1.16	59	-2.66	79	-3.44
20	0.33	40	-1.49	60	-2.67	80	-4.10
1	0.16	6	0.20	11	0.14	16	0.24
2	0.14	7	0.22	12	0.20	17	0.25
3	0.20	8	0.21	13	0.21	18	0.24
4	0.24	9	0.26	14	0.23	19	0.21
5	0.15	10	0.26	15	0.26	20	0.21

10/15/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.38	41	-1.87	61	-2.86
2	2.55	22	0.26	42	-1.56	62	-3.11
3	2.37	23	0.12	43	-1.37	63	-3.36
4	2.23	24	-0.06	44	-1.26	64	-4.06
5	2.04	25	-0.31	45	-1.70	65	-4.01
6	1.92	26	-0.67	46	-2.18	66	-3.54
7	1.77	27	-0.71	47	-2.51	67	-3.43
8	1.59	28	-0.89	48	-2.40	68	-3.31
9	1.51	29	-0.98	49	-2.31	69	-3.56
10	1.44	30	-1.37	50	-1.96	70	-3.93
11	1.39	31	-1.82	51	-2.04	71	-4.06
12	1.33	32	-1.66	52	-2.13	72	-4.17
13	1.32	33	-1.35	53	-2.30	73	-4.11
14	1.36	34	-1.19	54	-2.59	74	-3.86
15	1.38	35	-1.27	55	-3.22	75	-3.79
16	1.24	36	-1.25	56	-3.50	76	-3.96
17	1.12	37	-1.42	57	-3.34	77	-3.89
18	0.93	38	-1.56	58	-2.94	78	-3.78
19	0.73	39	-1.71	59	-2.91	79	-3.78
20	0.58	40	-1.46	60	-2.92	80	-3.96
1	0.40	6	0.25	11	0.38	16	0.37
2	0.35	7	0.31	12	0.38	17	0.31
3	0.28	8	0.23	13	0.38	18	0.24
4	0.27	9	0.30	14	0.38	19	0.26
5	0.33	10	0.34	15	0.36	20	0.22

10/29/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.18	41	-1.99	61	-2.36
2	2.53	22	0.09	42	-1.32	62	-2.56
3	2.37	23	-0.02	43	-1.39	63	-3.11
4	2.22	24	-0.16	44	-1.50	64	-3.56
5	2.06	25	-0.46	45	-1.64	65	-2.86
6	1.91	26	-0.34	46	-1.86	66	-2.86
7	1.77	27	-0.46	47	-2.37	67	-2.96
8	1.61	28	-0.48	48	-3.17	68	-3.04
9	1.57	29	-0.48	49	-2.34	69	-3.26
10	1.55	30	-0.57	50	-2.22	70	-3.29
11	1.53	31	-1.09	51	-2.23	71	-3.52
12	1.48	32	-0.69	52	-2.36	72	-3.86
13	1.38	33	-0.66	53	-2.30	73	-3.01
14	1.32	34	-0.75	54	-2.48	74	-2.91
15	1.23	35	-0.68	55	-2.81	75	-3.02
16	1.08	36	-0.89	56	-3.26	76	-3.09
17	1.03	37	-1.02	57	-2.68	77	-3.14
18	0.73	38	-1.12	58	-2.36	78	-3.26
19	0.63	39	-1.56	59	-2.25	79	-3.49
20	0.41	40	-1.74	60	-2.33	80	-3.72
1	0.20	6	0.21	11	0.25	16	0.32
2	0.22	7	0.19	12	0.24	17	0.27
3	0.20	8	0.22	13	0.29	18	0.17
4	0.17	9	0.22	14	0.34	19	0.16
5	0.23	10	0.21	15	0.34	20	0.12

11/ 5/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.07	41	-2.06	61	-2.66
2	2.50	22	0.14	42	-1.38	62	-2.76
3	2.37	23	0.07	43	-1.39	63	-3.29
4	2.21	24	0.0	44	-1.49	64	-3.86
5	2.03	25	-0.16	45	-1.80	65	-3.36
6	1.89	26	-0.26	46	-1.80	66	-2.95
7	1.76	27	-0.35	47	-2.10	67	-2.96
8	1.61	28	-0.47	48	-3.02	68	-3.02
9	1.55	29	-0.46	49	-2.86	69	-3.34
10	1.53	30	-0.71	50	-2.81	70	-3.31
11	1.51	31	-1.19	51	-2.90	71	-3.50
12	1.47	32	-1.19	52	-3.20	72	-3.97
13	1.42	33	-0.91	53	-3.26	73	-3.27
14	1.41	34	-0.83	54	-3.34	74	-3.04
15	1.30	35	-0.79	55	-3.36	75	-3.04
16	1.09	36	-0.79	56	-3.58	76	-3.12
17	0.86	37	-0.81	57	-3.56	77	-3.29
18	0.70	38	-0.89	58	-2.61	78	-3.46
19	0.53	39	-1.14	59	-2.50	79	-3.50
20	0.39	40	-1.60	60	-2.55	80	-4.06
1	0.28	6	0.28	11	0.24	16	0.36
2	0.28	7	0.30	12	0.29	17	0.30
3	0.26	8	0.35	13	0.32	18	0.32
4	0.26	9	0.31	14	0.25	19	0.36
5	0.24	10	0.32	15	0.29	20	0.38

11/19/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.07	41	-2.69	61	-2.30
2	2.55	22	-0.16	42	-2.27	62	-2.67
3	2.38	23	-0.66	43	-2.27	63	-3.14
4	2.21	24	-0.75	44	-2.39	64	-3.56
5	2.07	25	-0.91	45	-2.10	65	-3.11
6	1.93	26	-1.01	46	-2.56	66	-2.55
7	1.83	27	-1.16	47	-2.56	67	-2.55
8	1.76	28	-1.26	48	-3.26	68	-2.60
9	1.71	29	-1.36	49	-2.46	69	-2.81
10	1.65	30	-1.47	50	-1.76	70	-2.92
11	1.55	31	-1.86	51	-1.76	71	-3.54
12	1.46	32	-1.84	52	-1.76	72	-3.97
13	1.37	33	-1.63	53	-1.91	73	-3.38
14	1.28	34	-1.46	54	-2.16	74	-2.93
15	1.19	35	-1.41	55	-2.78	75	-2.93
16	1.00	36	-1.41	56	-3.56	76	-2.91
17	0.90	37	-1.44	57	-2.99	77	-2.98
18	0.72	38	-1.47	58	-2.44	78	-3.06
19	0.56	39	-1.49	59	-2.31	79	-3.47
20	0.32	40	-1.79	60	-2.27	80	-3.89
1	1.00	6	0.93	11	1.18	16	0.94
2	1.06	7	0.95	12	1.06	17	0.99
3	0.85	8	0.81	13	0.96	18	1.01
4	0.98	9	0.67	14	1.01	19	0.88
5	1.00	10	1.05	15	1.00	20	0.75

11/12/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.07	41	-2.57	61	-2.48
2	2.54	22	0.03	42	-2.24	62	-2.60
3	2.39	23	-0.03	43	-1.50	63	-2.68
4	2.24	24	-0.09	44	-1.44	64	-3.49
5	2.06	25	-0.17	45	-1.51	65	-3.20
6	1.93	26	-0.26	46	-1.67	66	-2.45
7	1.84	27	-0.37	47	-1.89	67	-2.17
8	1.77	28	-0.39	48	-2.77	68	-2.10
9	1.71	29	-0.46	49	-2.50	69	-2.15
10	1.65	30	-0.74	50	-1.98	70	-2.27
11	1.52	31	-1.08	51	-2.04	71	-2.80
12	1.35	32	-1.06	52	-2.16	72	-3.46
13	1.18	33	-1.24	53	-2.33	73	-2.89
14	1.03	34	-1.40	54	-2.43	74	-2.42
15	0.88	35	-1.21	55	-2.47	75	-2.42
16	0.71	36	-1.38	56	-3.39	76	-2.57
17	0.60	37	-1.52	57	-3.46	77	-2.66
18	0.39	38	-1.68	58	-2.82	78	-2.94
19	0.34	39	-1.86	59	-2.40	79	-3.35
20	0.21	40	-2.04	60	-2.41	80	-4.14
1	0.14	6	-0.02	11	0.09	16	0.08
2	0.17	7	-0.04	12	0.10	17	0.15
3	0.09	8	-0.08	13	0.06	18	0.16
4	0.10	9	-0.05	14	0.06	19	0.09
5	0.05	10	-0.02	15	0.01	20	0.01

11/26/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	-0.08	41	-2.28	61	-2.42
2	2.53	22	-0.24	42	-1.86	62	-2.59
3	2.36	23	-0.54	43	-1.91	63	-2.69
4	2.21	24	-0.60	44	-1.94	64	-3.01
5	2.05	25	-0.75	45	-1.89	65	-2.66
6	1.92	26	-0.80	46	-1.90	66	-2.56
7	1.84	27	-0.86	47	-1.96	67	-2.59
8	1.75	28	-0.88	48	-2.42	68	-2.69
9	1.71	29	-0.99	49	-1.74	69	-2.86
10	1.60	30	-1.29	50	-1.62	70	-3.03
11	1.53	31	-1.66	51	-1.61	71	-3.14
12	1.46	32	-1.02	52	-1.69	72	-3.39
13	1.41	33	-1.09	53	-1.84	73	-2.96
14	1.42	34	-1.10	54	-2.14	74	-2.86
15	1.39	35	-1.16	55	-2.40	75	-2.86
16	1.06	36	-1.21	56	-2.66	76	-2.93
17	0.73	37	-1.46	57	-2.26	77	-2.96
18	0.50	38	-1.52	58	-2.18	78	-3.00
19	0.31	39	-1.62	59	-2.21	79	-3.06
20	0.14	40	-1.86	60	-2.28	80	-3.21
1	-0.19	6	0.06	11	-0.05	16	0.15
2	-0.09	7	-0.05	12	-0.01	17	0.12
3	-0.04	8	-0.03	13	0.04	18	0.10
4	0.0	9	-0.01	14	0.07	19	0.07
5	0.05	10	-0.04	15	0.14	20	0.04

12/ 3/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.33	41	-1.36	61	-2.90
2	2.56	22	0.24	42	-0.86	62	-2.99
3	2.37	23	0.18	43	-1.04	63	-3.49
4	2.22	24	0.09	44	-1.14	64	-4.25
5	2.06	25	0.04	45	-1.31	65	-3.61
6	1.94	26	-0.16	46	-1.86	66	-3.01
7	1.86	27	-0.35	47	-2.14	67	-2.71
8	1.79	28	-0.27	48	-2.66	68	-2.61
9	1.74	29	-0.36	49	-1.91	69	-2.59
10	1.65	30	-0.58	50	-1.96	70	-2.75
11	1.53	31	-1.06	51	-2.01	71	-3.16
12	1.42	32	-0.51	52	-2.11	72	-3.66
13	1.31	33	-0.49	53	-2.30	73	-2.77
14	1.20	34	-0.51	54	-2.60	74	-2.49
15	1.09	35	-0.56	55	-3.11	75	-2.40
16	0.96	36	-0.61	56	-3.24	76	-2.41
17	0.80	37	-0.66	57	-3.24	77	-2.59
18	0.66	38	-0.75	58	-2.68	78	-2.86
19	0.54	39	-0.76	59	-2.79	79	-3.18
20	0.44	40	-1.16	60	-2.82	80	-3.66
1	0.33	6	0.35	11	0.30	16	0.37
2	0.33	7	0.37	12	0.27	17	0.39
3	0.33	8	0.40	13	0.34	18	0.34
4	0.32	9	0.49	14	0.31	19	0.34
5	0.35	10	0.42	15	0.34	20	0.37

12/10/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.20	41	-1.10	61	-2.86
2	2.51	22	0.13	42	-0.96	62	-3.16
3	2.34	23	0.04	43	-0.95	63	-3.77
4	2.18	24	-0.06	44	-1.02	64	-3.82
5	2.03	25	-0.14	45	-1.26	65	-3.22
6	1.91	26	-0.18	46	-1.59	66	-2.81
7	1.85	27	-0.26	47	-2.00	67	-2.74
8	1.78	28	-0.30	48	-2.18	68	-2.74
9	1.72	29	-0.33	49	-1.91	69	-2.82
10	1.65	30	-0.39	50	-1.91	70	-3.02
11	1.54	31	-1.09	51	-2.01	71	-3.24
12	1.43	32	-0.57	52	-2.24	72	-3.56
13	1.31	33	-0.56	53	-2.52	73	-2.84
14	1.18	34	-0.60	54	-3.06	74	-2.47
15	1.05	35	-0.68	55	-3.31	75	-2.46
16	0.90	36	-0.68	56	-3.56	76	-2.59
17	0.76	37	-0.71	57	-3.06	77	-2.61
18	0.59	38	-0.71	58	-2.86	78	-2.71
19	0.49	39	-0.66	59	-2.76	79	-2.90
20	0.37	40	-0.68	60	-2.71	80	-3.24
1	0.21	6	0.14	11	0.19	16	0.22
2	0.21	7	0.11	12	0.17	17	0.16
3	0.19	8	0.12	13	0.20	18	0.10
4	0.15	9	0.08	14	0.21	19	0.08
5	0.14	10	0.10	15	0.18	20	0.06

12/17/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.21	41	-2.58	61	-2.98
2	2.52	22	-0.17	42	-1.99	62	-3.27
3	2.31	23	-0.35	43	-1.88	63	-3.77
4	2.16	24	-0.41	44	-1.90	64	-4.26
5	2.02	25	-0.53	45	-1.68	65	-3.76
6	1.87	26	-0.66	46	-1.60	66	-3.41
7	1.76	27	-0.72	47	-1.52	67	-3.19
8	1.73	28	-0.79	48	-2.06	68	-3.19
9	1.67	29	-0.88	49	-1.71	69	-3.19
10	1.60	30	-1.24	50	-1.39	70	-3.46
11	1.48	31	-1.48	51	-1.37	71	-3.83
12	1.37	32	-1.22	52	-1.49	72	-4.07
13	1.27	33	-0.99	53	-1.72	73	-3.47
14	1.14	34	-1.42	54	-1.98	74	-3.06
15	1.03	35	-1.11	55	-2.35	75	-2.86
16	0.85	36	-1.36	56	-3.26	76	-2.71
17	0.80	37	-1.31	57	-3.07	77	-2.76
18	0.79	38	-1.56	58	-2.77	78	-2.78
19	0.75	39	-1.33	59	-2.79	79	-2.94
20	0.54	40	-1.76	60	-2.85	80	-3.11
1	0.22	6	0.27	11	0.18	16	0.21
2	0.29	7	0.19	12	0.20	17	0.12
3	0.24	8	0.21	13	0.26	18	0.07
4	0.28	9	0.20	14	0.31	19	0.05
5	0.28	10	0.19	15	0.30	20	0.15

12/24/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.04	41	-1.27	61	-3.14
2	2.58	22	-0.06	42	-0.91	62	-3.29
3	2.37	23	-0.34	43	-0.96	63	-3.60
4	2.20	24	-0.23	44	-1.18	64	-3.86
5	2.06	25	-0.26	45	-1.37	65	-3.47
6	1.91	26	-0.30	46	-1.56	66	-3.20
7	1.83	27	-0.30	47	-1.69	67	-3.17
8	1.75	28	-0.31	48	-2.04	68	-3.16
9	1.69	29	-0.32	49	-1.59	69	-3.32
10	1.64	30	-0.44	50	-1.82	70	-3.44
11	1.52	31	-0.92	51	-1.94	71	-3.49
12	1.41	32	-0.41	52	-2.10	72	-3.69
13	1.33	33	-0.46	53	-2.33	73	-2.87
14	1.23	34	-0.50	54	-2.60	74	-2.66
15	1.22	35	-0.57	55	-2.72	75	-2.62
16	1.12	36	-0.63	56	-3.25	76	-2.57
17	0.92	37	-0.65	57	-2.82	77	-2.58
18	0.70	38	-0.66	58	-2.65	78	-2.61
19	0.48	39	-0.68	59	-2.87	79	-2.63
20	0.29	40	-0.80	60	-2.96	80	-2.99
1	-0.05	6	0.23	11	0.18	16	0.38
2	0.03	7	0.20	12	0.24	17	0.38
3	0.14	8	0.17	13	0.29	18	0.41
4	0.19	9	0.14	14	0.31	19	0.39
5	0.30	10	0.09	15	0.31	20	0.33

12/28/1987

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.41	41	-1.72	61	-3.12
2	2.56	22	0.25	42	-1.06	62	-3.30
3	2.36	23	0.11	43	-0.89	63	-3.46
4	2.19	24	-0.03	44	-0.91	64	-3.67
5	2.04	25	-0.11	45	-1.15	65	-3.32
6	1.88	26	-0.14	46	-1.41	66	-3.15
7	1.82	27	-0.27	47	-1.74	67	-3.16
8	1.72	28	-0.30	48	-2.13	68	-3.18
9	1.68	29	-0.34	49	-1.56	69	-3.30
10	1.63	30	-0.58	50	-1.87	70	-3.36
11	1.51	31	-0.60	51	-1.96	71	-3.42
12	1.40	32	-0.46	52	-2.24	72	-3.70
13	1.32	33	-0.69	53	-2.37	73	-2.92
14	1.23	34	-0.64	54	-2.63	74	-2.69
15	1.23	35	-0.59	55	-2.82	75	-2.62
16	1.12	36	-0.64	56	-3.14	76	-2.59
17	0.97	37	-0.66	57	-2.70	77	-2.68
18	0.84	38	-0.67	58	-2.70	78	-2.81
19	0.68	39	-0.82	59	-2.86	79	-3.12
20	0.57	40	-1.07	60	-2.97	80	-3.28
1	0.38	6	0.21	11	0.32	16	0.36
2	0.32	7	0.18	12	0.34	17	0.40
3	0.28	8	0.14	13	0.31	18	0.27
4	0.28	9	0.17	14	0.33	19	0.25
5	0.24	10	0.15	15	0.39	20	0.24

1/ 7/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.42	41	-1.25	61	-3.26
2	2.55	22	0.30	42	-0.96	62	-3.36
3	2.40	23	0.20	43	-1.14	63	-3.76
4	2.20	24	0.10	44	-1.25	64	-3.96
5	2.07	25	0.01	45	-1.40	65	-3.37
6	1.89	26	-0.09	46	-1.66	66	-2.91
7	1.80	27	-0.13	47	-2.09	67	-2.70
8	1.70	28	-0.16	48	-2.76	68	-2.56
9	1.64	29	-0.17	49	-2.16	69	-2.60
10	1.61	30	-0.26	50	-2.19	70	-2.67
11	1.51	31	-0.72	51	-2.46	71	-2.85
12	1.42	32	-0.35	52	-3.06	72	-3.21
13	1.37	33	-0.38	53	-3.24	73	-2.62
14	1.33	34	-0.45	54	-3.45	74	-2.30
15	1.29	35	-0.46	55	-3.53	75	-2.36
16	1.13	36	-0.52	56	-3.56	76	-2.42
17	0.98	37	-0.63	57	-3.36	77	-2.56
18	0.84	38	-0.66	58	-3.22	78	-2.66
19	0.70	39	-0.73	59	-3.26	79	-3.02
20	0.55	40	-0.80	60	-3.32	80	-3.26
1	0.48	6	0.43	11	0.43	16	0.36
2	0.43	7	0.38	12	0.41	17	0.36
3	0.47	8	0.34	13	0.36	18	0.33
4	0.53	9	0.29	14	0.35	19	0.30
5	0.45	10	0.37	15	0.40	20	0.26

1/14/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.40	41	-1.20	61	-3.30
2	2.53	22	0.25	42	-0.88	62	-3.45
3	2.36	23	0.10	43	-1.08	63	-3.62
4	2.18	24	-0.04	44	-1.21	64	-3.80
5	2.01	25	-0.15	45	-1.38	65	-3.13
6	1.87	26	-0.32	46	-1.59	66	-2.78
7	1.78	27	-0.28	47	-1.98	67	-2.75
8	1.70	28	-0.31	48	-2.61	68	-2.68
9	1.63	29	-0.32	49	-1.95	69	-2.73
10	1.62	30	-0.34	50	-2.31	70	-2.94
11	1.50	31	-0.91	51	-2.48	71	-3.13
12	1.42	32	-0.47	52	-2.63	72	-3.46
13	1.38	33	-0.36	53	-2.89	73	-2.73
14	1.36	34	-0.37	54	-2.93	74	-2.54
15	1.24	35	-0.41	55	-3.11	75	-2.47
16	1.10	36	-0.46	56	-3.37	76	-2.47
17	0.95	37	-0.54	57	-3.06	77	-2.58
18	0.85	38	-0.61	58	-2.99	78	-2.76
19	0.74	39	-0.70	59	-3.02	79	-2.93
20	0.58	40	-0.84	60	-3.15	80	-3.24
1	0.42	6	0.43	11	0.36	16	0.33
2	0.45	7	0.48	12	0.39	17	0.37
3	0.49	8	0.46	13	0.33	18	0.45
4	0.43	9	0.42	14	0.29	19	0.43
5	0.47	10	0.43	15	0.43	20	0.34

1/21/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.39	41	-1.45	61	-3.08
2	2.55	22	0.24	42	-1.10	62	-3.14
3	2.39	23	0.11	43	-1.14	63	-3.14
4	2.19	24	-0.04	44	-1.32	64	-3.40
5	2.05	25	-0.11	45	-1.49	65	-2.86
6	1.91	26	-0.20	46	-1.81	66	-2.58
7	1.80	27	-0.26	47	-2.39	67	-2.59
8	1.72	28	-0.27	48	-2.70	68	-2.66
9	1.65	29	-0.30	49	-2.42	69	-2.69
10	1.63	30	-0.31	50	-2.97	70	-2.71
11	1.51	31	-0.80	51	-3.10	71	-2.89
12	1.43	32	-0.40	52	-3.15	72	-3.22
13	1.38	33	-0.41	53	-3.16	73	-2.61
14	1.37	34	-0.46	54	-3.24	74	-2.28
15	1.28	35	-0.50	55	-3.37	75	-2.44
16	1.16	36	-0.57	56	-3.36	76	-2.56
17	1.08	37	-0.66	57	-3.16	77	-2.65
18	0.90	38	-0.71	58	-3.07	78	-2.79
19	0.73	39	-0.72	59	-3.00	79	-3.08
20	0.54	40	-0.77	60	-3.06	80	-3.24
1	0.41	6	0.45	11	0.34	16	0.38
2	0.44	7	0.40	12	0.36	17	0.35
3	0.45	8	0.40	13	0.43	18	0.36
4	0.54	9	0.42	14	0.39	19	0.34
5	0.49	10	0.40	15	0.38	20	0.30

1/28/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.50	41	-1.29	61	-2.91
2	2.58	22	0.39	42	-1.16	62	-3.06
3	2.38	23	0.29	43	-1.38	63	-3.21
4	2.20	24	0.18	44	-1.59	64	-3.28
5	2.07	25	0.09	45	-1.84	65	-2.70
6	1.90	26	0.0	46	-2.25	66	-2.54
7	1.80	27	-0.07	47	-2.37	67	-2.49
8	1.71	28	-0.11	48	-2.54	68	-2.48
9	1.67	29	-0.16	49	-2.45	69	-2.58
10	1.64	30	-0.22	50	-2.57	70	-2.72
11	1.58	31	-0.53	51	-2.65	71	-2.90
12	1.52	32	-0.46	52	-2.87	72	-3.08
13	1.37	33	-0.33	53	-2.87	73	-2.49
14	1.25	34	-0.37	54	-2.96	74	-2.39
15	1.10	35	-0.45	55	-3.07	75	-2.46
16	0.95	36	-0.60	56	-3.16	76	-2.61
17	0.85	37	-0.74	57	-2.87	77	-2.85
18	0.74	38	-0.87	58	-2.76	78	-3.07
19	0.66	39	-0.96	59	-2.79	79	-3.27
20	0.60	40	-1.12	60	-2.87	80	-3.41
1	0.51	6	0.40	11	0.47	16	0.46
2	0.57	7	0.46	12	0.48	17	0.46
3	0.43	8	0.55	13	0.51	18	0.53
4	0.46	9	0.43	14	0.47	19	0.46
5	0.42	10	0.42	15	0.49	20	0.50

2/11/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.62	41	-1.46	61	-2.26
2	2.55	22	0.45	42	-1.27	62	-2.58
3	2.28	23	0.32	43	-1.41	63	-2.87
4	2.19	24	0.17	44	-1.72	64	-3.21
5	2.05	25	0.12	45	-2.76	65	-2.70
6	1.90	26	0.04	46	-2.89	66	-2.41
7	1.78	27	-0.06	47	-3.06	67	-2.43
8	1.70	28	-0.09	48	-3.20	68	-2.54
9	1.63	29	-0.19	49	-2.97	69	-2.76
10	1.61	30	-0.37	50	-2.60	70	-3.09
11	1.57	31	-0.76	51	-2.47	71	-3.27
12	1.44	32	-0.54	52	-2.40	72	-3.49
13	1.35	33	-0.55	53	-2.27	73	-2.98
14	1.26	34	-0.56	54	-2.29	74	-2.79
15	1.22	35	-0.60	55	-2.46	75	-2.84
16	1.22	36	-0.68	56	-2.83	76	-2.94
17	1.18	37	-0.76	57	-2.31	77	-3.28
18	1.04	38	-0.87	58	-1.92	78	-3.48
19	0.91	39	-0.90	59	-1.97	79	-3.59
20	0.82	40	-0.97	60	-2.08	80	-3.61
1	0.69	6	0.59	11	0.62	16	0.64
2	0.78	7	0.62	12	0.57	17	0.54
3	0.65	8	0.64	13	0.62	18	0.55
4	0.70	9	0.59	14	0.56	19	0.52
5	0.70	10	0.61	15	0.59	20	0.48

2/ 4/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.55	41	-1.39	61	-2.67
2	2.56	22	0.44	42	-1.27	62	-2.76
3	2.38	23	0.33	43	-1.41	63	-2.92
4	2.21	24	0.22	44	-1.65	64	-3.08
5	2.06	25	0.15	45	-2.09	65	-2.66
6	1.91	26	0.09	46	-2.52	66	-2.37
7	1.80	27	0.05	47	-2.79	67	-2.38
8	1.71	28	0.0	48	-2.98	68	-2.39
9	1.64	29	-0.06	49	-2.72	69	-2.48
10	1.62	30	-0.09	50	-2.87	70	-2.66
11	1.56	31	-0.37	51	-2.84	71	-2.94
12	1.47	32	-0.26	52	-2.84	72	-3.21
13	1.36	33	-0.31	53	-2.87	73	-2.72
14	1.23	34	-0.48	54	-3.04	74	-2.60
15	1.11	35	-0.56	55	-3.17	75	-2.64
16	1.06	36	-0.69	56	-3.40	76	-2.73
17	1.02	37	-0.78	57	-2.92	77	-2.90
18	0.94	38	-0.90	58	-2.63	78	-3.24
19	0.79	39	-0.97	59	-2.56	79	-3.42
20	0.67	40	-1.08	60	-2.65	80	-3.51
1	0.61	6	0.51	11	0.53	16	0.44
2	0.56	7	0.52	12	0.53	17	0.43
3	0.55	8	0.47	13	0.52	18	0.42
4	0.59	9	0.50	14	0.50	19	0.40
5	0.55	10	0.51	15	0.46	20	0.38

2/18/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.66	41	-2.14	61	-2.25
2	2.52	22	0.53	42	-1.63	62	-2.39
3	2.34	23	0.40	43	-1.82	63	-2.59
4	2.17	24	0.27	44	-2.25	64	-3.06
5	2.02	25	0.14	45	-2.56	65	-2.77
6	1.86	26	0.04	46	-2.90	66	-2.41
7	1.76	27	-0.07	47	-3.04	67	-2.53
8	1.63	28	-0.12	48	-3.24	68	-2.66
9	1.62	29	-0.19	49	-2.64	69	-2.72
10	1.60	30	-0.24	50	-1.85	70	-3.12
11	1.55	31	-0.77	51	-1.66	71	-3.19
12	1.46	32	-0.38	52	-1.59	72	-3.54
13	1.34	33	-0.40	53	-1.56	73	-3.12
14	1.26	34	-0.45	54	-1.68	74	-2.79
15	1.22	35	-0.59	55	-1.82	75	-2.88
16	1.22	36	-0.62	56	-2.42	76	-3.02
17	1.21	37	-0.67	57	-2.15	77	-3.18
18	1.18	38	-0.81	58	-1.84	78	-3.26
19	1.02	39	-1.02	59	-1.88	79	-3.51
20	0.84	40	-1.73	60	-2.10	80	-3.79
1	0.70	6	0.67	11	0.68	16	0.75
2	0.73	7	0.76	12	0.70	17	0.69
3	0.71	8	0.67	13	0.69	18	0.69
4	0.77	9	0.62	14	0.69	19	0.69
5	0.76	10	0.60	15	0.69	20	0.63

2/25/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.74	41	-2.55	61	-1.97
2	2.53	22	0.67	42	-1.96	62	-2.01
3	2.37	23	0.59	43	-1.89	63	-2.17
4	2.17	24	0.51	44	-1.95	64	-3.13
5	2.04	25	0.40	45	-2.13	65	-2.79
6	1.90	26	0.31	46	-2.30	66	-2.52
7	1.77	27	0.20	47	-2.59	67	-2.19
8	1.70	28	0.11	48	-3.34	68	-2.02
9	1.64	29	0.02	49	-3.46	69	-2.10
10	1.61	30	-0.11	50	-2.67	70	-2.25
11	1.57	31	-0.36	51	-2.53	71	-2.49
12	1.52	32	-0.40	52	-2.46	72	-3.42
13	1.47	33	-0.56	53	-2.44	73	-3.20
14	1.43	34	-0.71	54	-2.53	74	-2.73
15	1.35	35	-0.82	55	-2.77	75	-2.58
16	1.27	36	-0.96	56	-3.54	76	-2.72
17	1.11	37	-1.02	57	-3.06	77	-2.90
18	1.02	38	-1.09	58	-2.65	78	-3.07
19	0.94	39	-1.22	59	-2.13	79	-3.46
20	0.85	40	-1.77	60	-2.02	80	-4.07
1	0.74	6	0.85	11	0.78	16	0.87
2	0.76	7	0.82	12	0.77	17	0.88
3	0.85	8	0.81	13	0.78	18	0.99
4	0.86	9	0.83	14	0.79	19	0.95
5	0.85	10	0.77	15	0.82	20	0.84

3/10/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.67	41	-1.35	61	-2.19
2	2.53	22	0.53	42	-1.30	62	-2.39
3	2.35	23	0.39	43	-1.46	63	-2.68
4	2.17	24	0.29	44	-1.74	64	-2.85
5	2.03	25	0.21	45	-2.24	65	-2.36
6	1.91	26	0.10	46	-2.51	66	-1.78
7	1.76	27	0.01	47	-3.02	67	-1.72
8	1.71	28	-0.08	48	-3.20	68	-1.76
9	1.67	29	-0.17	49	-2.38	69	-1.81
10	1.63	30	-0.24	50	-2.31	70	-1.99
11	1.61	31	-0.32	51	-2.39	71	-2.60
12	1.58	32	-0.44	52	-2.43	72	-2.90
13	1.50	33	-0.49	53	-2.45	73	-2.46
14	1.42	34	-0.56	54	-2.67	74	-2.28
15	1.36	35	-0.64	55	-3.12	75	-2.37
16	1.30	36	-0.71	56	-3.33	76	-2.62
17	1.18	37	-0.77	57	-3.11	77	-2.81
18	1.04	38	-0.85	58	-2.52	78	-3.12
19	0.93	39	-0.98	59	-2.30	79	-3.39
20	0.83	40	-1.02	60	-2.22	80	-3.85
1	0.65	6	0.76	11	0.61	16	0.33
2	0.66	7	0.72	12	0.58	17	0.27
3	0.78	8	0.72	13	0.52	18	0.19
4	0.94	9	0.68	14	0.46	19	0.18
5	0.81	10	0.66	15	0.39	20	0.20

3/ 3/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.68	41	-2.41	61	-2.30
2	2.50	22	0.57	42	-1.70	62	-2.37
3	2.37	23	0.46	43	-1.59	63	-2.54
4	2.18	24	0.41	44	-1.66	64	-3.32
5	2.04	25	0.34	45	-1.78	65	-3.20
6	1.87	26	0.25	46	-2.07	66	-3.02
7	1.76	27	0.18	47	-2.65	67	-2.71
8	1.69	28	0.11	48	-3.37	68	-2.22
9	1.65	29	0.04	49	-2.88	69	-2.28
10	1.62	30	-0.08	50	-2.43	70	-2.30
11	1.59	31	-0.49	51	-2.24	71	-2.46
12	1.56	32	-0.34	52	-2.26	72	-3.17
13	1.50	33	-0.47	53	-2.42	73	-3.07
14	1.42	34	-0.67	54	-2.49	74	-2.43
15	1.28	35	-0.76	55	-2.51	75	-2.21
16	1.15	36	-0.80	56	-3.44	76	-2.31
17	1.04	37	-0.86	57	-3.47	77	-2.34
18	0.93	38	-0.97	58	-2.66	78	-2.63
19	0.81	39	-1.26	59	-2.38	79	-3.28
20	0.75	40	-1.77	60	-2.30	80	-3.34
1	0.62	6	0.67	11	0.69	16	0.69
2	0.66	7	0.68	12	0.70	17	0.67
3	0.62	8	0.70	13	0.70	18	0.71
4	0.75	9	0.70	14	0.70	19	0.66
5	0.71	10	0.62	15	0.69	20	0.62

3/17/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.76	41	-1.58	61	-2.21
2	2.49	22	0.64	42	-1.40	62	-2.33
3	2.34	23	0.48	43	-1.57	63	-2.49
4	2.17	24	0.32	44	-1.76	64	-2.66
5	2.02	25	0.20	45	-1.98	65	-2.26
6	1.86	26	0.10	46	-2.27	66	-1.87
7	1.75	27	-0.01	47	-2.96	67	-1.87
8	1.70	28	-0.06	48	-3.17	68	-1.88
9	1.67	29	-0.10	49	-2.86	69	-2.29
10	1.62	30	-0.16	50	-2.28	70	-2.37
11	1.60	31	-0.51	51	-2.22	71	-2.67
12	1.57	32	-0.36	52	-2.27	72	-3.02
13	1.49	33	-0.38	53	-2.27	73	-2.77
14	1.42	34	-0.54	54	-2.48	74	-2.42
15	1.37	35	-0.58	55	-2.80	75	-2.51
16	1.29	36	-0.64	56	-3.25	76	-2.60
17	1.20	37	-0.70	57	-2.94	77	-2.83
18	1.16	38	-0.76	58	-2.26	78	-3.36
19	1.05	39	-0.90	59	-1.75	79	-3.39
20	0.91	40	-1.30	60	-1.90	80	-3.98
1	0.74	6	0.76	11	0.67	16	0.40
2	0.70	7	0.83	12	0.68	17	0.40
3	0.83	8	0.84	13	0.66	18	0.37
4	0.90	9	0.77	14	0.50	19	0.30
5	0.80	10	0.74	15	0.44	20	0.30

3/24/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.36	41	-1.38	61	-2.58
2	2.52	22	0.22	42	-1.27	62	-2.90
3	2.37	23	0.14	43	-1.46	63	-3.31
4	2.26	24	0.05	44	-1.52	64	-3.80
5	2.14	25	-0.06	45	-1.67	65	-3.73
6	2.01	26	-0.12	46	-1.78	66	-3.16
7	1.90	27	-0.18	47	-1.82	67	-3.10
8	1.76	28	-0.29	48	-2.16	68	-3.12
9	1.63	29	-0.32	49	-1.89	69	-3.20
10	1.53	30	-0.42	50	-1.87	70	-3.34
11	1.41	31	-0.52	51	-1.66	71	-3.59
12	1.30	32	-0.45	52	-1.66	72	-4.19
13	1.18	33	-0.52	53	-1.67	73	-4.45
14	1.05	34	-0.56	54	-1.70	74	-3.86
15	0.94	35	-0.62	55	-2.53	75	-3.69
16	0.82	36	-0.77	56	-3.09	76	-3.62
17	0.73	37	-0.82	57	-3.07	77	-3.58
18	0.62	38	-0.88	58	-2.52	78	-3.79
19	0.51	39	-0.64	59	-2.39	79	-3.97
20	0.42	40	-0.98	60	-2.43	80	-3.57
1	0.30	6	0.24	11	0.29	16	0.28
2	0.29	7	0.21	12	0.29	17	0.30
3	0.29	8	0.18	13	0.29	18	0.27
4	0.27	9	0.18	14	0.30	19	0.22
5	0.27	10	0.18	15	0.30	20	0.21

4/ 7/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	-0.06	41	-2.84	61	-2.29
2	2.51	22	-0.20	42	-2.55	62	-2.36
3	2.38	23	-0.36	43	-2.00	63	-2.52
4	2.27	24	-0.48	44	-2.02	64	-3.78
5	2.12	25	-0.57	45	-2.06	65	-3.45
6	2.01	26	-0.69	46	-2.13	66	-3.30
7	1.90	27	-0.83	47	-2.23	67	-2.78
8	1.78	28	-0.93	48	-2.90	68	-2.59
9	1.63	29	-1.02	49	-3.07	69	-2.42
10	1.41	30	-1.17	50	-2.74	70	-2.66
11	1.24	31	-1.92	51	-2.19	71	-3.09
12	1.09	32	-1.36	52	-2.16	72	-3.91
13	0.96	33	-1.29	53	-2.21	73	-3.66
14	0.85	34	-1.33	54	-2.27	74	-3.54
15	0.74	35	-1.42	55	-2.52	75	-3.44
16	0.61	36	-1.48	56	-3.22	76	-3.27
17	0.50	37	-1.54	57	-3.40	77	-3.43
18	0.34	38	-1.60	58	-2.92	78	-3.64
19	0.20	39	-1.66	59	-2.57	79	-3.86
20	0.09	40	-1.87	60	-2.32	80	-4.95
1	-0.03	6	0.14	11	-0.08	16	0.16
2	0.01	7	0.15	12	-0.01	17	0.13
3	0.05	8	0.17	13	0.07	18	0.12
4	0.09	9	0.18	14	0.11	19	0.10
5	0.14	10	0.18	15	0.16	20	0.06

3/31/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.19	41	-2.41	61	-2.16
2	2.54	22	0.10	42	-2.27	62	-2.48
3	2.37	23	0.09	43	-2.11	63	-2.73
4	2.27	24	-0.02	44	-2.19	64	-3.56
5	2.12	25	0.07	45	-2.32	65	-3.21
6	1.97	26	-0.21	46	-2.52	66	-2.70
7	1.90	27	-0.34	47	-2.61	67	-2.56
8	1.79	28	-0.35	48	-2.76	68	-2.56
9	1.66	29	-0.41	49	-2.86	69	-2.68
10	1.50	30	-0.51	50	-2.88	70	-3.11
11	1.37	31	-1.01	51	-2.66	71	-3.76
12	1.25	32	-0.76	52	-2.20	72	-4.03
13	1.12	33	-0.80	53	-2.21	73	-4.06
14	1.00	34	-1.04	54	-2.20	74	-3.59
15	0.86	35	-0.96	55	-2.36	75	-3.40
16	0.68	36	-1.01	56	-3.01	76	-3.22
17	0.60	37	-1.11	57	-2.70	77	-3.26
18	0.44	38	-1.10	58	-2.22	78	-3.41
19	0.40	39	-1.21	59	-2.11	79	-3.86
20	0.27	40	-1.73	60	-2.16	80	-4.06
1	0.69	6	0.89	11	0.79	16	0.87
2	0.73	7	0.75	12	0.80	17	0.84
3	0.70	8	0.70	13	0.83	18	0.75
4	0.69	9	0.67	14	0.89	19	0.58
5	0.80	10	0.70	15	0.89	20	0.55

4/14/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.43	41	-2.95	61	-2.11
2	2.51	22	-0.50	42	-2.88	62	-2.47
3	2.37	23	-0.63	43	-2.35	63	-2.67
4	2.28	24	-0.75	44	-2.00	64	-3.30
5	2.15	25	-0.91	45	-2.02	65	-3.93
6	1.96	26	-1.35	46	-2.06	66	-2.49
7	1.79	27	-1.55	47	-2.35	67	-2.58
8	1.59	28	-1.59	48	-2.97	68	-2.76
9	1.42	29	-1.55	49	-2.67	69	-2.93
10	1.27	30	-2.02	50	-1.72	70	-3.65
11	1.13	31	-2.06	51	-1.49	71	-3.79
12	1.03	32	-1.76	52	-1.52	72	-4.06
13	0.96	33	-1.65	53	-1.48	73	-4.09
14	0.87	34	-1.89	54	-1.60	74	-3.41
15	0.76	35	-2.07	55	-2.05	75	-3.60
16	0.58	36	-2.32	56	-2.67	76	-3.68
17	0.56	37	-1.94	57	-2.19	77	-3.79
18	0.44	38	-1.62	58	-1.94	78	-3.88
19	0.28	39	-1.76	59	-1.91	79	-4.39
20	0.09	40	-2.33	60	-2.07	80	-4.82
1	0.74	6	0.63	11	0.68	16	0.96
2	0.64	7	0.71	12	0.66	17	1.04
3	0.59	8	0.75	13	0.71	18	1.00
4	0.57	9	0.85	14	0.75	19	0.96
5	0.63	10	0.87	15	0.80	20	0.92

4/21/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.19	41	-2.40	61	-2.02
2	2.50	22	0.10	42	-1.64	62	-2.00
3	2.44	23	-0.01	43	-1.54	63	-2.07
4	2.28	24	-0.16	44	-1.55	64	-2.91
5	2.14	25	-0.28	45	-1.70	65	-2.97
6	1.94	26	-0.41	46	-1.93	66	-2.53
7	1.78	27	-0.56	47	-2.50	67	-2.56
8	1.61	28	-0.68	48	-3.38	68	-2.68
9	1.48	29	-0.76	49	-2.75	69	-2.95
10	1.38	30	-0.87	50	-2.15	70	-3.21
11	1.28	31	-1.03	51	-2.08	71	-4.01
12	1.16	32	-0.99	52	-2.10	72	-4.74
13	1.04	33	-1.04	53	-2.13	73	-4.49
14	0.88	34	-1.09	54	-2.19	74	-4.04
15	0.77	35	-1.12	55	-2.40	75	-4.15
16	0.64	36	-1.16	56	-3.18	76	-4.49
17	0.48	37	-1.27	57	-2.81	77	-4.72
18	0.33	38	-1.32	58	-2.37	78	-4.84
19	0.20	39	-1.36	59	-2.06	79	-4.79
20	0.15	40	-1.94	60	-2.02	80	-4.98
1	0.16	6	0.22	11	0.09	16	-0.32
2	0.16	7	0.20	12	-0.12	17	-0.18
3	0.17	8	0.18	13	-0.17	18	-0.03
4	0.17	9	0.17	14	-0.51	19	0.17
5	0.20	10	0.15	15	-0.43	20	0.28

5/ 5/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.03	41	-2.40	61	-2.09
2	2.46	22	-0.03	42	-1.82	62	-2.36
3	2.36	23	-0.13	43	-1.82	63	-2.85
4	2.26	24	-0.24	44	-1.90	64	-3.13
5	2.10	25	-0.34	45	-2.09	65	-2.96
6	1.90	26	-0.41	46	-2.09	66	-2.79
7	1.73	27	-0.46	47	-1.99	67	-2.85
8	1.60	28	-0.50	48	-2.04	68	-2.97
9	1.46	29	-0.54	49	-1.38	69	-3.40
10	1.39	30	-0.59	50	-1.27	70	-3.66
11	1.29	31	-0.72	51	-1.33	71	-3.92
12	1.20	32	-0.75	52	-1.39	72	-4.09
13	1.14	33	-0.81	53	-1.47	73	-3.98
14	1.05	34	-0.89	54	-1.56	74	-3.83
15	0.90	35	-0.96	55	-1.67	75	-3.89
16	0.75	36	-1.07	56	-2.02	76	-4.18
17	0.59	37	-1.36	57	-1.97	77	-4.11
18	0.44	38	-1.75	58	-1.86	78	-4.34
19	0.29	39	-2.15	59	-1.86	79	-4.34
20	0.15	40	-2.24	60	-1.97	80	-4.50
1	0.05	6	0.30	11	0.09	16	0.09
2	0.07	7	0.32	12	0.11	17	0.09
3	0.10	8	0.35	13	0.10	18	0.06
4	0.18	9	0.38	14	0.13	19	0.08
5	0.17	10	0.44	15	0.11	20	0.14

4/28/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.40	41	-1.89	61	-1.97
2	2.51	22	0.24	42	-1.57	62	-2.16
3	2.38	23	0.06	43	-1.65	63	-2.33
4	2.29	24	-0.10	44	-1.76	64	-2.61
5	2.13	25	-0.24	45	-1.93	65	-2.33
6	1.92	26	-0.27	46	-2.08	66	-2.36
7	1.77	27	-0.36	47	-2.28	67	-2.52
8	1.61	28	-0.41	48	-2.62	68	-2.68
9	1.48	29	-0.45	49	-1.91	69	-2.94
10	1.38	30	-0.53	50	-1.91	70	-3.19
11	1.29	31	-0.75	51	-1.92	71	-3.57
12	1.18	32	-0.67	52	-1.99	72	-4.02
13	1.03	33	-0.77	53	-2.10	73	-4.04
14	0.90	34	-1.09	54	-2.22	74	-4.12
15	0.78	35	-1.26	55	-2.35	75	-4.26
16	0.67	36	-1.24	56	-2.50	76	-4.29
17	0.64	37	-1.37	57	-2.01	77	-4.25
18	0.60	38	-1.42	58	-1.98	78	-4.25
19	0.55	39	-1.55	59	-1.89	79	-4.35
20	0.54	40	-1.66	60	-1.95	80	-4.51
1	0.29	6	0.45	11	0.22	16	-0.15
2	0.36	7	0.32	12	0.11	17	0.0
3	0.28	8	0.37	13	0.0	18	0.02
4	0.33	9	0.34	14	-0.18	19	0.06
5	0.32	10	0.26	15	-0.29	20	0.07

5/12/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	0.37	41	-2.59	61	-2.88
2	2.52	22	0.28	42	-2.14	62	-2.98
3	2.41	23	0.21	43	-1.88	63	-3.16
4	2.32	24	-0.04	44	-1.79	64	-3.39
5	2.15	25	-0.17	45	-1.76	65	-3.39
6	1.92	26	-0.38	46	-1.78	66	-2.91
7	1.77	27	-0.68	47	-1.91	67	-2.98
8	1.64	28	-0.86	48	-2.32	68	-3.15
9	1.56	29	-0.97	49	-2.17	69	-3.78
10	1.44	30	-1.04	50	-2.06	70	-4.09
11	1.31	31	-1.49	51	-1.84	71	-4.22
12	1.20	32	-1.36	52	-1.97	72	-4.35
13	1.11	33	-1.37	53	-1.86	73	-4.15
14	1.03	34	-1.46	54	-1.85	74	-4.08
15	0.97	35	-1.50	55	-1.98	75	-4.39
16	0.89	36	-1.48	56	-2.68	76	-4.47
17	0.81	37	-1.46	57	-2.33	77	-4.51
18	0.70	38	-1.50	58	-1.89	78	-4.53
19	0.61	39	-1.47	59	-1.96	79	-4.71
20	0.54	40	-1.90	60	-2.12	80	-4.71
1	0.39	6	0.23	11	0.37	16	0.49
2	0.37	7	0.27	12	0.36	17	0.51
3	0.36	8	0.31	13	0.35	18	0.43
4	0.30	9	0.34	14	0.41	19	0.44
5	0.26	10	0.39	15	0.47	20	0.49

5/19/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.14	41	-2.47	61	-2.46
2	2.46	22	-0.12	42	-2.18	62	-2.47
3	2.38	23	-0.35	43	-2.16	63	-2.89
4	2.25	24	-0.54	44	-2.19	64	-3.37
5	2.09	25	-0.78	45	-2.28	65	-3.13
6	1.88	26	-0.97	46	-2.33	66	-2.97
7	1.73	27	-1.54	47	-2.11	67	-3.14
8	1.61	28	-1.54	48	-2.69	68	-3.54
9	1.53	29	-1.43	49	-2.14	69	-3.86
10	1.42	30	-1.53	50	-2.20	70	-4.05
11	1.31	31	-1.96	51	-2.26	71	-4.16
12	1.25	32	-1.62	52	-2.04	72	-4.16
13	1.22	33	-1.53	53	-2.09	73	-3.98
14	1.20	34	-1.71	54	-2.24	74	-3.98
15	1.20	35	-1.86	55	-2.36	75	-4.03
16	1.10	36	-1.69	56	-2.55	76	-4.19
17	0.96	37	-1.56	57	-2.51	77	-4.25
18	0.78	38	-1.49	58	-2.32	78	-4.26
19	0.58	39	-1.49	59	-2.26	79	-4.41
20	0.35	40	-1.75	60	-2.28	80	-4.48
1	0.03	6	0.55	11	0.10	16	0.25
2	0.06	7	0.61	12	0.13	17	0.32
3	0.23	8	0.63	13	0.16	18	0.23
4	0.43	9	0.61	14	0.21	19	0.20
5	0.52	10	0.54	15	0.24	20	0.18

5/26/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.11	41	-3.03	61	-1.96
2	2.52	22	0.01	42	-2.69	62	-2.32
3	2.38	23	-0.06	43	-2.36	63	-2.71
4	2.27	24	-0.17	44	-2.36	64	-3.46
5	2.10	25	-0.24	45	-2.46	65	-3.28
6	1.97	26	-0.30	46	-2.46	66	-2.75
7	1.83	27	-0.46	47	-2.62	67	-2.81
8	1.66	28	-0.51	48	-3.21	68	-3.06
9	1.55	29	-0.64	49	-3.44	69	-4.21
10	1.43	30	-0.88	50	-2.66	70	-4.48
11	1.30	31	-1.24	51	-2.21	71	-4.34
12	1.18	32	-1.15	52	-1.86	72	-4.48
13	1.05	33	-1.06	53	-1.71	73	-4.51
14	0.93	34	-1.16	54	-1.60	74	-3.86
15	0.76	35	-1.31	55	-1.69	75	-3.86
16	0.64	36	-1.47	56	-2.16	76	-3.88
17	0.50	37	-1.64	57	-2.01	77	-4.20
18	0.35	38	-1.84	58	-1.71	78	-4.58
19	0.25	39	-2.45	59	-1.71	79	-4.71
20	0.14	40	-2.73	60	-1.81	80	-5.06
1	0.10	6	0.14	11	0.09	16	0.14
2	0.12	7	0.14	12	0.11	17	0.16
3	0.12	8	0.09	13	0.13	18	0.20
4	0.12	9	0.04	14	0.15	19	0.19
5	0.15	10	-0.02	15	0.18	20	0.20

6/ 2/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	-0.36	41	-3.19	61	-3.16
2	2.52	22	-0.65	42	-2.59	62	-3.09
3	2.40	23	-0.86	43	-2.19	63	-3.22
4	2.30	24	-1.00	44	-2.46	64	-3.20
5	2.11	25	-1.15	45	-2.81	65	-2.91
6	2.00	26	-1.56	46	-3.14	66	-2.96
7	1.94	27	-1.81	47	-3.19	67	-3.00
8	1.82	28	-1.90	48	-3.27	68	-3.01
9	1.67	29	-2.07	49	-3.26	69	-2.89
10	1.52	30	-2.10	50	-2.99	70	-3.01
11	1.39	31	-2.36	51	-2.83	71	-3.18
12	1.23	32	-2.35	52	-2.60	72	-3.28
13	1.17	33	-2.33	53	-2.88	73	-3.61
14	1.06	34	-2.16	54	-2.93	74	-3.49
15	0.94	35	-1.92	55	-2.76	75	-3.11
16	0.77	36	-1.81	56	-2.99	76	-3.09
17	0.53	37	-1.81	57	-3.08	77	-3.33
18	0.25	38	-1.78	58	-3.09	78	-3.73
19	0.05	39	-1.79	59	-2.97	79	-3.99
20	-0.16	40	-2.21	60	-3.04	80	-4.74
1	-0.43	6	-0.24	11	-0.40	16	0.18
2	-0.39	7	-0.18	12	-0.33	17	0.12
3	-0.34	8	-0.10	13	-0.18	18	0.07
4	-0.28	9	-0.09	14	-0.11	19	0.05
5	-0.28	10	-0.06	15	0.03	20	-0.07

6/ 9/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.01	41	-3.06	61	-2.55
2	2.48	22	-0.20	42	-2.38	62	-2.75
3	2.35	23	-0.52	43	-2.21	63	-3.15
4	2.27	24	-0.56	44	-2.16	64	-3.43
5	2.12	25	-0.73	45	-2.29	65	-2.67
6	2.01	26	-0.94	46	-2.52	66	-2.41
7	1.92	27	-1.40	47	-2.95	67	-2.49
8	1.87	28	-1.86	48	-3.24	68	-2.65
9	1.72	29	-1.91	49	-2.85	69	-2.65
10	1.55	30	-2.20	50	-2.70	70	-3.14
11	1.42	31	-2.37	51	-2.61	71	-3.51
12	1.28	32	-2.51	52	-2.56	72	-3.76
13	1.17	33	-2.56	53	-2.56	73	-3.01
14	1.10	34	-2.60	54	-2.65	74	-3.01
15	1.05	35	-2.61	55	-2.87	75	-3.06
16	0.97	36	-2.62	56	-3.17	76	-3.26
17	0.71	37	-2.62	57	-2.46	77	-3.61
18	0.52	38	-2.80	58	-2.36	78	-3.79
19	0.34	39	-2.80	59	-2.31	79	-4.00
20	0.20	40	-2.81	60	-2.37	80	-4.09
1	0.14	6	0.20	11	-0.12	16	0.0
2	0.17	7	0.26	12	-0.10	17	0.10
3	0.04	8	0.33	13	-0.08	18	0.01
4	0.16	9	0.34	14	-0.08	19	-0.08
5	0.18	10	0.36	15	-0.03	20	0.09

6/16/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	-0.06	41	-3.12	61	-2.97
2	2.50	22	-0.26	42	-2.27	62	-3.16
3	2.20	23	-0.39	43	-2.05	63	-3.29
4	2.28	24	-0.52	44	-2.06	64	-3.31
5	2.14	25	-0.71	45	-2.10	65	-3.07
6	2.02	26	-0.86	46	-2.41	66	-2.55
7	1.93	27	-1.15	47	-2.82	67	-2.83
8	1.83	28	-1.30	48	-3.22	68	-2.98
9	1.72	29	-1.89	49	-2.57	69	-3.06
10	1.62	30	-2.20	50	-2.57	70	-3.24
11	1.52	31	-2.36	51	-2.60	71	-3.45
12	1.39	32	-2.29	52	-2.57	72	-3.60
13	1.28	33	-2.18	53	-2.69	73	-3.01
14	1.16	34	-2.21	54	-3.06	74	-2.97
15	1.04	35	-2.56	55	-3.04	75	-2.99
16	0.87	36	-2.52	56	-3.10	76	-3.35
17	0.66	37	-2.28	57	-2.95	77	-3.44
18	0.45	38	-2.37	58	-2.45	78	-3.58
19	0.33	39	-2.37	59	-2.58	79	-3.76
20	0.14	40	-2.86	60	-2.68	80	-4.03
1	0.06	6	0.35	11	-0.05	16	-0.02
2	0.11	7	0.38	12	0.02	17	-0.08
3	0.17	8	0.36	13	0.0	18	0.0
4	0.25	9	0.36	14	0.0	19	0.0
5	0.30	10	0.27	15	-0.10	20	-0.05

6/23/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.11	41	-2.50	61	-2.47
2	2.50	22	-0.08	42	-1.49	62	-2.82
3	2.38	23	-0.26	43	-1.69	63	-2.95
4	2.26	24	-0.44	44	-1.57	64	-3.11
5	2.13	25	-0.61	45	-1.78	65	-2.66
6	2.01	26	-0.81	46	-2.17	66	-2.45
7	1.92	27	-0.92	47	-2.30	67	-2.47
8	1.86	28	-0.88	48	-2.67	68	-2.56
9	1.75	29	-1.12	49	-2.16	69	-2.82
10	1.67	30	-1.85	50	-2.15	70	-3.10
11	1.58	31	-2.36	51	-2.17	71	-3.22
12	1.42	32	-2.09	52	-2.33	72	-3.46
13	1.28	33	-2.12	53	-2.54	73	-2.70
14	1.18	34	-2.09	54	-2.81	74	-2.71
15	1.13	35	-1.95	55	-3.00	75	-2.87
16	1.02	36	-1.96	56	-3.23	76	-2.99
17	0.81	37	-2.00	57	-2.56	77	-3.02
18	0.64	38	-2.11	58	-2.34	78	-3.22
19	0.45	39	-2.30	59	-2.31	79	-3.36
20	0.30	40	-2.42	60	-2.32	80	-3.54
1	0.13	6	0.51	11	0.05	16	0.02
2	0.30	7	0.55	12	0.05	17	0.02
3	0.31	8	0.43	13	0.04	18	0.04
4	0.40	9	0.36	14	-0.01	19	0.03
5	0.51	10	0.35	15	-0.03	20	0.02

6/30/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	0.50	41	-2.40	61	-2.22
2	2.52	22	0.34	42	-1.80	62	-2.39
3	2.40	23	0.20	43	-1.45	63	-2.78
4	2.27	24	0.08	44	-1.48	64	-3.53
5	2.13	25	-0.04	45	-1.68	65	-3.37
6	2.01	26	-0.19	46	-2.15	66	-2.86
7	1.95	27	-0.31	47	-2.98	67	-2.34
8	1.92	28	-0.39	48	-3.43	68	-2.42
9	1.84	29	-0.47	49	-2.85	69	-2.45
10	1.75	30	-0.60	50	-2.41	70	-2.71
11	1.61	31	-0.93	51	-2.51	71	-2.95
12	1.48	32	-0.83	52	-2.59	72	-3.36
13	1.35	33	-0.98	53	-2.66	73	-3.75
14	1.24	34	-1.11	54	-2.77	74	-2.86
15	1.12	35	-1.16	55	-2.81	75	-2.59
16	0.99	36	-1.28	56	-3.54	76	-2.39
17	0.86	37	-1.47	57	-3.46	77	-2.42
18	0.73	38	-1.32	58	-2.47	78	-2.53
19	0.63	39	-1.38	59	-2.19	79	-2.85
20	0.56	40	-1.75	60	-2.19	80	-3.71
1	0.42	6	-0.21	11	0.44	16	0.17
2	0.33	7	-0.27	12	0.41	17	0.13
3	0.22	8	-0.31	13	0.35	18	0.12
4	0.13	9	-0.19	14	0.28	19	0.12
5	-0.06	10	-0.21	15	0.22	20	0.11

7/ 7/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.01	41	-2.51	61	-2.87
2	2.49	22	-0.11	42	-2.10	62	-2.98
3	2.29	23	-0.17	43	-2.40	63	-3.21
4	2.27	24	-0.28	44	-2.54	64	-3.52
5	2.13	25	-0.47	45	-2.51	65	-3.24
6	2.02	26	-0.86	46	-2.66	66	-3.02
7	1.96	27	-0.69	47	-2.79	67	-2.96
8	1.91	28	-0.64	48	-3.07	68	-2.82
9	1.85	29	-0.64	49	-2.36	69	-2.67
10	1.79	30	-0.86	50	-2.40	70	-2.81
11	1.62	31	-0.98	51	-2.52	71	-2.88
12	1.48	32	-0.84	52	-2.80	72	-2.99
13	1.34	33	-0.99	53	-2.79	73	-2.26
14	1.20	34	-1.16	54	-2.89	74	-2.06
15	1.06	35	-1.40	55	-3.04	75	-2.06
16	0.82	36	-1.59	56	-3.26	76	-2.22
17	0.62	37	-1.66	57	-2.86	77	-2.38
18	0.43	38	-1.99	58	-2.65	78	-2.47
19	0.29	39	-2.06	59	-2.58	79	-2.61
20	0.13	40	-2.36	60	-2.66	80	-3.01
1	0.05	6	0.08	11	0.01	16	0.06
2	0.10	7	0.01	12	0.04	17	0.07
3	0.10	8	-0.02	13	0.06	18	0.10
4	0.12	9	-0.02	14	0.03	19	0.10
5	0.14	10	0.0	15	0.06	20	0.11

7/14/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.29	41	-2.69	61	-2.61
2	2.46	22	0.10	42	-1.99	62	-2.96
3	2.30	23	-0.06	43	-2.17	63	-3.06
4	2.25	24	-0.19	44	-2.40	64	-3.26
5	2.11	25	-0.30	45	-2.50	65	-2.92
6	2.02	26	-0.37	46	-2.56	66	-2.70
7	1.94	27	-0.46	47	-2.82	67	-2.66
8	1.91	28	-0.53	48	-3.06	68	-2.66
9	1.86	29	-0.58	49	-2.50	69	-2.56
10	1.74	30	-0.65	50	-2.56	70	-2.36
11	1.59	31	-0.87	51	-2.64	71	-2.39
12	1.48	32	-0.89	52	-2.58	72	-2.86
13	1.36	33	-1.00	53	-2.70	73	-2.58
14	1.20	34	-1.08	54	-2.76	74	-2.06
15	1.00	35	-1.14	55	-2.85	75	-2.00
16	0.85	36	-1.17	56	-3.15	76	-2.12
17	0.70	37	-1.43	57	-2.66	77	-2.49
18	0.55	38	-1.69	58	-2.59	78	-2.56
19	0.44	39	-2.26	59	-2.45	79	-2.84
20	0.35	40	-2.46	60	-2.70	80	-3.29
1	0.24	6	0.07	11	0.29	16	0.33
2	0.18	7	0.06	12	0.32	17	0.29
3	0.18	8	0.04	13	0.31	18	0.33
4	0.13	9	0.0	14	0.33	19	0.36
5	0.08	10	-0.01	15	0.33	20	0.32

7/28/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.12	41	-2.75	61	-2.57
2	2.46	22	0.03	42	-2.23	62	-2.66
3	2.34	23	-0.07	43	-1.95	63	-2.00
4	2.24	24	-0.19	44	-1.98	64	-2.36
5	2.12	25	-0.22	45	-2.14	65	-2.20
6	2.03	26	-0.31	46	-2.30	66	-1.74
7	1.93	27	-0.38	47	-2.85	67	-1.69
8	1.90	28	-0.40	48	-3.37	68	-1.67
9	1.84	29	-0.48	49	-3.06	69	-1.76
10	1.75	30	-0.49	50	-2.55	70	-1.87
11	1.62	31	-0.82	51	-2.58	71	-2.04
12	1.42	32	-0.67	52	-2.37	72	-2.57
13	1.23	33	-0.67	53	-2.29	73	-2.40
14	1.06	34	-0.78	54	-2.67	74	-2.24
15	0.90	35	-0.81	55	-2.64	75	-2.34
16	0.72	36	-0.94	56	-3.67	76	-2.46
17	0.57	37	-0.97	57	-3.42	77	-2.62
18	0.44	38	-1.09	58	-3.26	78	-2.83
19	0.31	39	-1.34	59	-3.07	79	-3.07
20	0.21	40	-1.91	60	-2.79	80	-3.63
1	0.11	6	0.13	11	0.11	16	0.03
2	0.14	7	0.09	12	0.12	17	0.06
3	0.13	8	0.03	13	0.13	18	0.07
4	0.16	9	0.05	14	0.12	19	0.07
5	0.14	10	0.02	15	0.07	20	0.06

7/21/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	0.10	41	-2.66	61	-2.39
2	2.50	22	-0.02	42	-1.95	62	-2.07
3	2.32	23	-0.12	43	-1.89	63	-2.02
4	2.28	24	-0.22	44	-2.19	64	-2.21
5	2.15	25	-0.26	45	-2.55	65	-1.75
6	2.03	26	-0.38	46	-2.74	66	-1.46
7	1.97	27	-0.55	47	-3.00	67	-1.69
8	1.91	28	-0.56	48	-3.40	68	-1.76
9	1.84	29	-0.69	49	-2.88	69	-2.07
10	1.77	30	-0.67	50	-2.83	70	-2.37
11	1.64	31	-0.86	51	-2.66	71	-2.50
12	1.52	32	-0.62	52	-2.45	72	-2.58
13	1.37	33	-0.68	53	-2.57	73	-2.57
14	1.18	34	-0.69	54	-2.66	74	-2.30
15	1.00	35	-0.84	55	-2.87	75	-2.56
16	0.81	36	-0.86	56	-2.27	76	-2.75
17	0.61	37	-1.05	57	-2.96	77	-2.86
18	0.44	38	-1.17	58	-2.70	78	-3.00
19	0.34	39	-1.99	59	-2.61	79	-3.21
20	0.23	40	-2.33	60	-2.63	80	-3.27
1	0.14	6	0.04	11	0.10	16	0.11
2	0.12	7	0.03	12	0.08	17	0.15
3	0.16	8	0.0	13	0.07	18	0.20
4	0.09	9	-0.01	14	0.07	19	0.14
5	0.06	10	0.0	15	0.10	20	0.14

8/ 4/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	-0.02	41	-2.46	61	-2.57
2	2.48	22	-0.20	42	-2.14	62	-2.65
3	2.37	23	-0.36	43	-2.17	63	-2.73
4	2.29	24	-0.54	44	-2.26	64	-3.04
5	2.19	25	-0.73	45	-2.31	65	-2.44
6	2.05	26	-0.82	46	-2.40	66	-2.14
7	1.94	27	-0.83	47	-2.49	67	-2.06
8	1.78	28	-0.94	48	-2.69	68	-2.12
9	1.57	29	-1.00	49	-1.89	69	-2.28
10	1.47	30	-1.32	50	-1.97	70	-2.32
11	1.33	31	-1.60	51	-1.97	71	-2.48
12	1.21	32	-1.04	52	-2.09	72	-2.79
13	1.04	33	-0.98	53	-2.34	73	-2.16
14	0.90	34	-0.99	54	-2.61	74	-2.12
15	0.77	35	-1.18	55	-2.74	75	-2.30
16	0.64	36	-1.31	56	-3.03	76	-2.49
17	0.50	37	-1.40	57	-2.36	77	-2.68
18	0.38	38	-1.70	58	-2.27	78	-2.92
19	0.25	39	-2.21	59	-2.36	79	-3.10
20	0.14	40	-2.29	60	-2.43	80	-3.52
1	-0.10	6	-0.12	11	-0.04	16	0.01
2	-0.07	7	-0.06	12	-0.01	17	-0.01
3	-0.12	8	-0.02	13	-0.01	18	0.06
4	-0.13	9	0.02	14	0.01	19	0.11
5	-0.11	10	0.06	15	-0.03	20	0.16

8/11/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	-0.07	41	-2.56	61	-2.57
2	2.48	22	-0.30	42	-2.05	62	-2.63
3	2.36	23	-0.94	43	-2.07	63	-2.56
4	2.27	24	-1.24	44	-2.16	64	-3.09
5	2.15	25	-1.47	45	-2.26	65	-2.77
6	2.01	26	-0.82	46	-2.37	66	-2.05
7	1.92	27	-0.84	47	-2.49	67	-2.00
8	1.75	28	-0.86	48	-2.78	68	-2.08
9	1.58	29	-0.82	49	-2.18	69	-2.17
10	1.46	30	-0.97	50	-2.16	70	-2.29
11	1.32	31	-1.70	51	-2.18	71	-2.48
12	1.20	32	-1.17	52	-2.32	72	-3.11
13	1.24	33	-0.96	53	-2.54	73	-2.96
14	1.29	34	-0.96	54	-2.51	74	-2.35
15	1.34	35	-1.07	55	-2.85	75	-2.44
16	1.30	36	-1.21	56	-3.07	76	-2.57
17	1.04	37	-1.46	57	-2.66	77	-2.77
18	0.72	38	-1.68	58	-2.44	78	-2.88
19	0.43	39	-1.97	59	-2.26	79	-3.18
20	0.18	40	-2.48	60	-2.67	80	-3.67
1	-0.21	6	-0.05	11	-0.09	16	0.20
2	-0.19	7	-0.02	12	-0.03	17	0.14
3	-0.12	8	-0.01	13	0.10	18	0.02
4	-0.05	9	0.04	14	0.31	19	-0.02
5	-0.05	10	0.06	15	0.12	20	0.05

8/18/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.01	41	-2.43	61	-1.96
2	2.48	22	-0.14	42	-1.79	62	-2.40
3	2.37	23	-0.24	43	-1.96	63	-2.37
4	2.27	24	-0.30	44	-2.19	64	-2.56
5	2.13	25	-0.35	45	-2.56	65	-2.07
6	2.03	26	-0.39	46	-2.83	66	-1.84
7	1.92	27	-0.45	47	-2.89	67	-1.80
8	1.75	28	-0.51	48	-3.31	68	-1.80
9	1.62	29	-0.77	49	-2.54	69	-1.92
10	1.50	30	-0.64	50	-2.41	70	-2.06
11	1.46	31	-1.31	51	-2.40	71	-2.31
12	1.48	32	-0.55	52	-2.38	72	-2.56
13	1.50	33	-0.49	53	-2.57	73	-2.14
14	1.52	34	-0.54	54	-2.73	74	-1.96
15	1.44	35	-0.61	55	-3.00	75	-2.15
16	1.06	36	-0.66	56	-3.26	76	-2.28
17	0.74	37	-0.73	57	-2.85	77	-2.52
18	0.53	38	-0.80	58	-2.31	78	-2.66
19	0.31	39	-1.01	59	-2.06	79	-2.97
20	0.14	40	-1.66	60	-1.95	80	-3.44
1	-0.01	6	0.11	11	-0.04	16	0.03
2	0.07	7	0.19	12	0.01	17	0.04
3	0.07	8	0.17	13	0.04	18	0.04
4	0.08	9	0.18	14	0.02	19	0.06
5	0.09	10	0.16	15	0.01	20	0.05

8/25/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.39	41	-2.96	61	-1.67
2	2.48	22	0.23	42	-2.39	62	-1.68
3	2.37	23	0.14	43	-2.41	63	-2.00
4	2.26	24	0.08	44	-2.49	64	-2.32
5	2.16	25	0.03	45	-2.57	65	-2.07
6	2.03	26	-0.05	46	-2.76	66	-1.76
7	1.90	27	-0.16	47	-2.94	67	-1.79
8	1.77	28	-0.19	48	-3.37	68	-1.87
9	1.62	29	-0.26	49	-2.69	69	-2.03
10	1.52	30	-0.41	50	-2.43	70	-2.15
11	1.50	31	-0.89	51	-2.40	71	-2.40
12	1.50	32	-0.63	52	-2.40	72	-3.01
13	1.53	33	-0.70	53	-2.30	73	-2.66
14	1.56	34	-0.89	54	-2.27	74	-2.37
15	1.49	35	-1.25	55	-2.07	75	-2.54
16	1.28	36	-1.21	56	-2.51	76	-2.69
17	1.06	37	-1.45	57	-1.99	77	-2.97
18	0.85	38	-1.73	58	-1.62	78	-3.04
19	0.68	39	-2.01	59	-1.57	79	-3.36
20	0.48	40	-2.47	60	-1.65	80	-3.70
1	0.40	6	0.38	11	0.38	16	0.26
2	0.41	7	0.41	12	0.36	17	0.22
3	0.33	8	0.37	13	0.29	18	0.17
4	0.35	9	0.38	14	0.24	19	0.25
5	0.40	10	0.42	15	0.21	20	0.26

9/ 1/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.20	41	-2.50	61	-1.40
2	2.47	22	0.10	42	-2.06	62	-1.44
3	2.36	23	-0.01	43	-2.00	63	-1.76
4	2.27	24	-0.13	44	-2.19	64	-2.38
5	2.13	25	-0.20	45	-2.14	65	-2.06
6	2.03	26	-0.24	46	-2.12	66	-1.70
7	1.91	27	-0.28	47	-2.25	67	-1.81
8	1.77	28	-0.34	48	-2.69	68	-1.97
9	1.65	29	-0.37	49	-1.80	69	-2.39
10	1.56	30	-0.39	50	-1.49	70	-2.68
11	1.53	31	-0.97	51	-1.57	71	-2.89
12	1.55	32	-0.64	52	-1.68	72	-3.23
13	1.58	33	-0.61	53	-1.86	73	-3.04
14	1.61	34	-0.65	54	-1.91	74	-2.69
15	1.38	35	-0.69	55	-1.98	75	-2.78
16	1.08	36	-0.74	56	-2.71	76	-2.94
17	0.85	37	-0.76	57	-2.60	77	-3.10
18	0.66	38	-0.87	58	-1.73	78	-3.32
19	0.52	39	-1.16	59	-1.51	79	-3.44
20	0.34	40	-1.97	60	-1.40	80	-3.90
1	0.22	6	0.31	11	0.18	16	0.09
2	0.25	7	0.27	12	0.17	17	0.10
3	0.31	8	0.18	13	0.17	18	0.13
4	0.36	9	0.19	14	0.17	19	0.15
5	0.34	10	0.21	15	0.15	20	0.10

9/ 8/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	-0.09	41	-2.51	61	-1.98
2	2.48	22	0.04	42	-1.68	62	-1.77
3	2.37	23	-0.11	43	-1.30	63	-2.04
4	2.26	24	-0.16	44	-1.26	64	-2.54
5	2.13	25	-0.24	45	-1.24	65	-2.60
6	2.02	26	-0.31	46	-1.31	66	-2.27
7	1.91	27	-0.40	47	-1.47	67	-1.96
8	1.77	28	-0.42	48	-2.68	68	-1.87
9	1.64	29	-0.48	49	-2.18	69	-1.87
10	1.59	30	-0.63	50	-1.55	70	-1.96
11	1.55	31	-1.34	51	-1.48	71	-2.15
12	1.56	32	-1.09	52	-1.56	72	-2.89
13	1.56	33	-0.87	53	-1.62	73	-2.87
14	1.56	34	-0.72	54	-1.82	74	-2.46
15	1.38	35	-0.79	55	-2.01	75	-2.50
16	1.04	36	-0.82	56	-2.98	76	-2.60
17	0.82	37	-0.87	57	-2.88	77	-2.87
18	0.61	38	-0.99	58	-2.70	78	-3.18
19	0.39	39	-1.09	59	-2.35	79	-3.67
20	0.23	40	-1.54	60	-1.94	80	-4.04
1	0.14	6	0.21	11	0.03	16	0.08
2	0.13	7	0.20	12	0.03	17	0.04
3	0.20	8	0.18	13	0.07	18	0.06
4	0.19	9	0.19	14	0.05	19	0.14
5	0.21	10	0.18	15	0.12	20	0.15

9/22/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	-0.19	41	-1.45	61	-2.36
2	2.51	22	-0.13	42	-1.09	62	-2.85
3	2.35	23	-0.17	43	-1.08	63	-3.26
4	2.19	24	-0.26	44	-1.10	64	-3.76
5	2.05	25	-0.32	45	-1.17	65	-3.76
6	1.90	26	-0.39	46	-1.56	66	-3.51
7	1.76	27	-0.46	47	-1.72	67	-3.54
8	1.60	28	-0.47	48	-1.94	68	-3.56
9	1.48	29	-0.49	49	-1.46	69	-3.47
10	1.34	30	-0.73	50	-1.46	70	-3.69
11	1.21	31	-1.21	51	-1.46	71	-3.96
12	1.08	32	-1.01	52	-1.55	72	-4.38
13	0.94	33	-1.11	53	-1.71	73	-4.26
14	0.81	34	-1.23	54	-1.93	74	-4.06
15	0.68	35	-0.96	55	-2.31	75	-3.78
16	0.51	36	-0.79	56	-2.56	76	-3.73
17	0.38	37	-0.76	57	-2.28	77	-3.56
18	0.30	38	-0.71	58	-2.01	78	-3.47
19	0.19	39	-0.76	59	-2.01	79	-3.46
20	0.04	40	-1.06	60	-2.15	80	-3.56
1	0.46	6	0.26	11	0.57	16	0.66
2	0.43	7	0.29	12	0.58	17	0.66
3	0.40	8	0.31	13	0.56	18	0.64
4	0.35	9	0.37	14	0.61	19	0.61
5	0.31	10	0.29	15	0.61	20	0.54

9/15/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.12	41	-2.57	61	-2.34
2	2.52	22	0.05	42	-2.10	62	-2.47
3	2.42	23	0.05	43	-1.48	63	-2.86
4	2.31	24	-0.08	44	-1.37	64	-4.08
5	2.11	25	-0.14	45	-1.47	65	-4.06
6	1.96	26	-0.18	46	-1.47	66	-3.58
7	1.76	27	-0.34	47	-1.76	67	-2.92
8	1.68	28	-0.49	48	-2.94	68	-2.63
9	1.45	29	-0.58	49	-2.73	69	-2.74
10	1.38	30	-0.66	50	-2.34	70	-2.78
11	1.32	31	-1.26	51	-1.77	71	-3.29
12	1.13	32	-0.84	52	-1.70	72	-4.16
13	1.09	33	-0.91	53	-2.00	73	-3.74
14	1.00	34	-0.95	54	-2.18	74	-3.19
15	0.81	35	-0.97	55	-2.26	75	-2.77
16	0.45	36	-1.03	56	-3.64	76	-2.64
17	0.41	37	-1.14	57	-3.29	77	-2.81
18	0.36	38	-1.12	58	-3.02	78	-2.94
19	0.29	39	-1.26	59	-2.32	79	-2.96
20	0.22	40	-1.54	60	-2.38	80	-4.27
1	0.70	6	0.66	11	0.71	16	0.83
2	0.68	7	0.65	12	0.74	17	0.78
3	0.91	8	0.63	13	0.92	18	0.90
4	0.86	9	0.62	14	0.98	19	0.86
5	0.89	10	0.63	15	1.01	20	0.83

9/29/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.75	21	-0.16	41	-2.01	61	-3.55
2	2.58	22	-0.16	42	-1.60	62	-3.47
3	2.42	23	-0.20	43	-1.22	63	-3.46
4	2.26	24	-0.29	44	-1.26	64	-3.80
5	2.10	25	-0.40	45	-1.51	65	-3.84
6	1.97	26	-0.51	46	-1.69	66	-3.16
7	1.84	27	-0.77	47	-2.06	67	-2.61
8	1.67	28	-0.92	48	-3.14	68	-2.46
9	1.50	29	-0.89	49	-2.96	69	-2.50
10	1.31	30	-1.10	50	-2.76	70	-2.72
11	1.14	31	-1.41	51	-3.28	71	-3.25
12	1.01	32	-1.41	52	-3.51	72	-3.92
13	0.87	33	-1.16	53	-3.49	73	-3.23
14	0.75	34	-1.16	54	-3.45	74	-3.11
15	0.61	35	-1.10	55	-3.42	75	-2.85
16	0.49	36	-1.22	56	-3.56	76	-2.88
17	0.34	37	-1.22	57	-3.61	77	-2.89
18	0.22	38	-1.13	58	-3.61	78	-3.21
19	0.15	39	-1.29	59	-3.44	79	-4.30
20	0.06	40	-1.60	60	-3.62	80	-4.53
1	0.50	6	0.54	11	0.49	16	0.43
2	0.49	7	0.57	12	0.46	17	0.48
3	0.48	8	0.62	13	0.46	18	0.55
4	0.49	9	0.64	14	0.44	19	0.57
5	0.50	10	0.64	15	0.44	20	0.58

10/ 6/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.26	41	-2.50	61	-2.76
2	2.55	22	-0.11	42	-1.89	62	-2.76
3	2.38	23	-0.16	43	-1.46	63	-3.34
4	2.24	24	-0.26	44	-1.76	64	-3.06
5	2.08	25	-0.27	45	-1.52	65	-3.96
6	1.98	26	-0.42	46	-1.71	66	-3.11
7	1.86	27	-0.82	47	-1.91	67	-3.06
8	1.69	28	-0.91	48	-2.90	68	-3.02
9	1.56	29	-1.04	49	-2.96	69	-3.01
10	1.38	30	-1.23	50	-2.56	70	-3.11
11	1.23	31	-1.69	51	-2.22	71	-3.46
12	1.04	32	-1.31	52	-2.21	72	-3.46
13	0.87	33	-1.11	53	-2.27	73	-4.08
14	0.72	34	-0.95	54	-2.66	74	-3.46
15	0.61	35	-0.96	55	-2.76	75	-3.13
16	0.40	36	-1.06	56	-3.76	76	-3.05
17	0.31	37	-1.16	57	-3.64	77	-3.03
18	0.24	38	-1.42	58	-3.30	78	-3.37
19	0.14	39	-1.30	59	-2.77	79	-3.50
20	0.05	40	-2.02	60	-2.75	80	-4.61
1	0.50	6	0.72	11	0.58	16	0.79
2	0.53	7	0.80	12	0.65	17	0.85
3	0.61	8	0.83	13	0.71	18	0.87
4	0.67	9	0.84	14	0.75	19	0.97
5	0.79	10	0.86	15	0.80	20	1.05

10/20/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	-0.56	41	-2.20	61	-2.57
2	2.53	22	-0.41	42	-1.58	62	-3.26
3	2.36	23	-0.49	43	-1.66	63	-3.43
4	2.33	24	-0.64	44	-1.67	64	-3.61
5	2.08	25	-0.89	45	-1.56	65	-3.32
6	1.98	26	-0.87	46	-1.60	66	-2.86
7	1.87	27	-0.73	47	-1.69	67	-2.86
8	1.74	28	-0.72	48	-1.96	68	-3.01
9	1.56	29	-0.82	49	-1.50	69	-3.61
10	1.42	30	-1.02	50	-1.56	70	-3.74
11	1.31	31	-1.57	51	-1.83	71	-3.76
12	1.48	32	-1.12	52	-2.02	72	-3.83
13	1.62	33	-1.06	53	-2.01	73	-3.30
14	1.72	34	-0.96	54	-2.25	74	-3.17
15	0.98	35	-0.96	55	-2.37	75	-3.22
16	0.50	36	-0.96	56	-2.69	76	-3.34
17	0.23	37	-1.00	57	-2.56	77	-3.31
18	0.04	38	-0.99	58	-2.06	78	-3.35
19	-0.16	39	-1.20	59	-2.07	79	-3.29
20	-0.19	40	-1.67	60	-2.48	80	-3.43
1	0.40	6	0.59	11	0.71	16	0.93
2	0.35	7	0.44	12	0.83	17	0.91
3	0.42	8	0.43	13	1.04	18	0.90
4	0.40	9	0.46	14	0.91	19	0.89
5	0.47	10	0.45	15	0.90	20	0.80

10/13/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.57	41	-1.82	61	-1.93
2	2.55	22	-0.86	42	-1.14	62	-2.22
3	2.37	23	-0.99	43	-1.15	63	-2.76
4	2.23	24	-1.08	44	-1.17	64	-3.36
5	2.07	25	-1.18	45	-1.54	65	-2.99
6	1.96	26	-1.16	46	-1.61	66	-2.66
7	1.87	27	-1.36	47	-2.27	67	-2.63
8	1.74	28	-1.44	48	-2.78	68	-2.66
9	1.57	29	-1.49	49	-2.94	69	-2.76
10	1.42	30	-1.58	50	-2.99	70	-2.96
11	1.32	31	-1.86	51	-2.71	71	-3.39
12	1.30	32	-1.60	52	-2.66	72	-4.11
13	1.39	33	-1.40	53	-2.53	73	-3.71
14	1.46	34	-1.27	54	-1.96	74	-3.36
15	1.35	35	-1.19	55	-2.04	75	-3.21
16	1.07	36	-1.33	56	-1.98	76	-3.11
17	0.68	37	-1.32	57	-1.64	77	-3.15
18	0.44	38	-1.46	58	-1.45	78	-3.36
19	0.10	39	-1.61	59	-1.61	79	-3.71
20	-0.15	40	-1.61	60	-1.76	80	-4.11
1	0.74	6	0.52	11	1.00	16	0.87
2	0.67	7	0.56	12	0.98	17	0.85
3	0.67	8	0.58	13	0.98	18	0.82
4	0.54	9	0.58	14	0.85	19	0.89
5	0.53	10	0.60	15	0.89	20	0.94

10/27/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	-0.10	41	-1.56	61	-2.86
2	2.46	22	-0.15	42	-1.16	62	-2.88
3	2.33	23	-0.38	43	-1.26	63	-3.06
4	2.18	24	-0.21	44	-1.32	64	-3.30
5	2.05	25	-0.25	45	-1.84	65	-2.97
6	1.96	26	-0.30	46	-1.81	66	-2.87
7	1.87	27	-0.36	47	-2.06	67	-2.97
8	1.71	28	-0.39	48	-2.25	68	-3.10
9	1.57	29	-0.42	49	-1.72	69	-3.22
10	1.42	30	-0.47	50	-1.71	70	-3.37
11	1.33	31	-1.15	51	-1.79	71	-3.41
12	1.49	32	-0.65	52	-1.96	72	-3.67
13	1.63	33	-0.76	53	-2.11	73	-3.17
14	1.38	34	-0.86	54	-2.20	74	-3.16
15	1.05	35	-0.87	55	-2.39	75	-3.16
16	0.76	36	-0.94	56	-2.86	76	-3.08
17	0.53	37	-0.88	57	-2.50	77	-3.02
18	0.34	38	-0.91	58	-2.21	78	-2.91
19	0.19	39	-1.16	59	-2.26	79	-2.89
20	0.09	40	-1.41	60	-2.61	80	-3.11
1	-0.02	6	-0.06	11	0.03	16	0.16
2	-0.01	7	-0.06	12	0.05	17	0.18
3	-0.05	8	-0.06	13	0.09	18	0.17
4	-0.06	9	-0.03	14	0.13	19	0.15
5	-0.07	10	-0.05	15	0.16	20	0.14

11/ 3/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.09	41	-1.21	61	-2.81
2	2.55	22	0.09	42	-1.00	62	-3.30
3	2.39	23	-0.09	43	-1.26	63	-3.42
4	2.23	24	-0.25	44	-1.37	64	-3.82
5	2.09	25	-0.37	45	-1.62	65	-3.35
6	1.99	26	-0.48	46	-2.31	66	-3.06
7	1.88	27	-0.55	47	-2.62	67	-2.88
8	1.72	28	-0.61	48	-2.90	68	-2.88
9	1.62	29	-0.79	49	-2.24	69	-2.90
10	1.58	30	-1.06	50	-2.15	70	-2.91
11	1.55	31	-1.28	51	-2.16	71	-3.34
12	1.57	32	-0.80	52	-2.34	72	-3.67
13	1.57	33	-0.69	53	-2.71	73	-2.98
14	1.41	34	-0.57	54	-3.09	74	-2.50
15	1.20	35	-0.58	55	-3.15	75	-2.42
16	0.99	36	-0.65	56	-3.33	76	-2.46
17	0.74	37	-0.61	57	-3.00	77	-2.57
18	0.50	38	-0.65	58	-2.70	78	-2.87
19	0.34	39	-0.76	59	-2.64	79	-3.16
20	0.21	40	-1.12	60	-2.67	80	-3.32
1	0.03	6	0.03	11	0.17	16	0.34
2	0.05	7	0.0	12	0.21	17	0.27
3	0.06	8	0.01	13	0.26	18	0.23
4	0.07	9	0.02	14	0.35	19	0.22
5	0.04	10	0.04	15	0.35	20	0.20

11/17/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.19	41	-1.85	61	-2.79
2	2.54	22	0.12	42	-1.52	62	-2.89
3	2.38	23	0.04	43	-1.54	63	-3.05
4	2.22	24	-0.16	44	-1.79	64	-3.15
5	2.08	25	-0.17	45	-1.80	65	-2.98
6	2.00	26	-0.24	46	-1.98	66	-2.69
7	1.87	27	-0.30	47	-2.47	67	-2.68
8	1.70	28	-0.32	48	-2.51	68	-2.70
9	1.62	29	-0.38	49	-2.26	69	-2.70
10	1.55	30	-0.56	50	-2.23	70	-2.70
11	1.56	31	-1.17	51	-2.30	71	-2.72
12	1.56	32	-0.94	52	-2.38	72	-2.88
13	1.55	33	-0.82	53	-2.44	73	-2.57
14	1.40	34	-0.76	54	-2.58	74	-2.41
15	1.30	35	-0.77	55	-2.58	75	-2.49
16	1.13	36	-0.79	56	-2.99	76	-2.63
17	0.94	37	-0.86	57	-2.69	77	-2.65
18	0.71	38	-0.82	58	-2.61	78	-2.74
19	0.53	39	-0.81	59	-2.66	79	-2.97
20	0.34	40	-1.56	60	-2.72	80	-3.14
1	0.19	6	0.21	11	0.16	16	0.17
2	0.21	7	0.17	12	0.22	17	0.14
3	0.19	8	0.15	13	0.19	18	0.20
4	0.22	9	0.15	14	0.21	19	0.13
5	0.21	10	0.11	15	0.18	20	0.20

11/10/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	-0.06	41	-1.96	61	-2.96
2	2.53	22	0.06	42	-1.41	62	-3.07
3	2.38	23	0.0	43	-1.60	63	-3.40
4	2.24	24	-0.10	44	-1.80	64	-3.45
5	2.10	25	-0.12	45	-2.00	65	-2.90
6	1.99	26	-0.19	46	-2.09	66	-2.76
7	1.87	27	-0.24	47	-2.30	67	-2.81
8	1.73	28	-0.26	48	-2.36	68	-2.83
9	1.62	29	-0.31	49	-2.72	69	-2.94
10	1.57	30	-0.46	50	-2.31	70	-3.06
11	1.55	31	-0.89	51	-2.37	71	-3.06
12	1.56	32	-0.56	52	-2.36	72	-3.15
13	1.56	33	-0.60	53	-2.60	73	-2.46
14	1.42	34	-0.66	54	-2.66	74	-2.31
15	1.24	35	-0.74	55	-2.74	75	-2.48
16	1.12	36	-0.81	56	-3.16	76	-2.63
17	0.94	37	-0.95	57	-2.69	77	-2.70
18	0.74	38	-1.21	58	-2.74	78	-2.82
19	0.52	39	-1.39	59	-2.76	79	-2.90
20	0.29	40	-1.67	60	-2.81	80	-3.31
1	0.20	6	0.20	11	0.17	16	0.24
2	0.21	7	0.19	12	0.23	17	0.24
3	0.21	8	0.23	13	0.24	18	0.19
4	0.22	9	0.20	14	0.24	19	0.22
5	0.20	10	0.19	15	0.22	20	0.21

11/24/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.30	41	-2.46	61	-2.47
2	2.54	22	-0.01	42	-2.14	62	-2.59
3	2.38	23	-0.06	43	-1.77	63	-3.26
4	2.23	24	-0.16	44	-1.61	64	-4.18
5	2.11	25	-0.27	45	-1.63	65	-3.94
6	2.02	26	-0.36	46	-1.72	66	-3.34
7	1.91	27	-0.41	47	-1.84	67	-3.15
8	1.76	28	-0.54	48	-2.43	68	-3.06
9	1.59	29	-0.56	49	-2.20	69	-3.24
10	1.47	30	-0.77	50	-1.70	70	-3.28
11	1.32	31	-1.46	51	-1.49	71	-3.59
12	1.17	32	-1.30	52	-1.46	72	-4.47
13	1.01	33	-1.16	53	-1.58	73	-4.50
14	0.90	34	-1.04	54	-1.62	74	-4.09
15	0.77	35	-1.07	55	-2.54	75	-3.77
16	0.56	36	-1.09	56	-2.97	76	-3.71
17	0.53	37	-1.15	57	-2.91	77	-3.64
18	0.45	38	-1.21	58	-2.52	78	-3.87
19	0.31	39	-1.30	59	-2.32	79	-4.30
20	0.14	40	-1.53	60	-2.36	80	-4.74
1	0.63	6	0.65	11	0.65	16	0.81
2	0.58	7	0.67	12	0.68	17	0.73
3	0.69	8	0.68	13	0.71	18	0.77
4	0.69	9	0.70	14	0.77	19	0.73
5	0.66	10	0.71	15	0.75	20	0.72

12/ 1/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.76	21	-0.05	41	-2.19	61	-2.76
2	2.56	22	-0.07	42	-1.88	62	-3.04
3	2.39	23	-0.17	43	-1.20	63	-3.58
4	2.26	24	-0.24	44	-1.14	64	-4.32
5	2.15	25	-0.33	45	-1.20	65	-4.15
6	1.95	26	-0.42	46	-1.31	66	-3.64
7	1.75	27	-0.56	47	-1.46	67	-3.54
8	1.60	28	-1.14	48	-2.19	68	-3.55
9	1.43	29	-1.32	49	-1.69	69	-3.71
10	1.25	30	-1.20	50	-1.39	70	-4.17
11	1.10	31	-1.76	51	-1.39	71	-4.36
12	0.96	32	-1.47	52	-1.49	72	-4.37
13	0.83	33	-1.10	53	-1.60	73	-4.54
14	0.73	34	-1.04	54	-1.99	74	-4.73
15	0.63	35	-1.06	55	-2.29	75	-4.00
16	0.43	36	-0.99	56	-2.60	76	-3.78
17	0.37	37	-1.00	57	-2.48	77	-3.76
18	0.29	38	-1.01	58	-2.16	78	-4.02
19	0.18	39	-1.18	59	-2.19	79	-4.71
20	0.12	40	-1.68	60	-2.47	80	-4.92
1	0.48	6	0.47	11	0.50	16	0.69
2	0.51	7	0.49	12	0.54	17	0.67
3	0.50	8	0.52	13	0.62	18	0.53
4	0.50	9	0.53	14	0.68	19	0.51
5	0.49	10	0.54	15	0.69	20	0.47

12/15/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.07	41	-2.06	61	-2.81
2	2.55	22	0.01	42	-1.66	62	-3.11
3	2.40	23	-0.04	43	-1.36	63	-3.62
4	2.27	24	-0.13	44	-1.31	64	-4.21
5	2.16	25	-0.26	45	-1.30	65	-3.63
6	1.98	26	-0.45	46	-1.35	66	-3.98
7	1.75	27	-0.64	47	-1.68	67	-4.10
8	1.61	28	-0.78	48	-1.99	68	-4.06
9	1.46	29	-0.90	49	-1.48	69	-4.16
10	1.36	30	-0.93	50	-1.40	70	-4.29
11	1.30	31	-1.29	51	-1.46	71	-4.19
12	1.20	32	-1.16	52	-1.56	72	-4.46
13	1.07	33	-1.06	53	-1.85	73	-4.07
14	0.94	34	-0.76	54	-2.01	74	-4.07
15	0.80	35	-0.76	55	-2.35	75	-4.26
16	0.64	36	-0.76	56	-2.61	76	-4.30
17	0.48	37	-0.82	57	-2.39	77	-4.01
18	0.34	38	-0.87	58	-2.06	78	-4.36
19	0.24	39	-0.96	59	-2.26	79	-4.46
20	0.15	40	-1.12	60	-2.49	80	-4.61
1	0.10	6	0.11	11	0.10	16	-0.02
2	0.13	7	0.05	12	0.09	17	-0.04
3	0.14	8	0.05	13	0.07	18	-0.03
4	0.14	9	0.11	14	0.06	19	0.0
5	0.14	10	0.11	15	0.03	20	-0.02

12/ 8/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.27	41	-1.29	61	-3.38
2	2.56	22	0.08	42	-0.90	62	-3.38
3	2.40	23	-0.06	43	-0.92	63	-3.67
4	2.26	24	-0.16	44	-1.14	64	-3.99
5	2.16	25	-0.24	45	-1.30	65	-3.44
6	2.00	26	-0.26	46	-1.46	66	-3.81
7	1.74	27	-0.26	47	-1.72	67	-3.94
8	1.60	28	-0.28	48	-1.88	68	-4.16
9	1.43	29	-0.46	49	-1.49	69	-4.11
10	1.29	30	-0.46	50	-1.46	70	-4.11
11	1.16	31	-0.66	51	-1.61	71	-4.10
12	1.03	32	-0.35	52	-1.82	72	-4.31
13	0.91	33	-0.36	53	-2.05	73	-3.89
14	0.83	34	-0.42	54	-2.28	74	-3.85
15	0.76	35	-0.46	55	-2.46	75	-4.04
16	0.84	36	-0.56	56	-2.86	76	-4.21
17	0.78	37	-0.61	57	-2.72	77	-4.30
18	0.73	38	-0.64	58	-2.30	78	-4.36
19	0.64	39	-0.68	59	-2.54	79	-4.39
20	0.57	40	-0.78	60	-3.08	80	-4.66
1	0.27	6	0.14	11	0.24	16	0.19
2	0.26	7	0.22	12	0.27	17	-0.06
3	0.23	8	0.23	13	0.25	18	0.08
4	0.08	9	0.22	14	0.16	19	-0.07
5	0.14	10	0.23	15	0.19	20	0.01

12/22/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	-0.11	41	-1.42	61	-2.91
2	2.55	22	-0.35	42	-1.21	62	-3.19
3	2.40	23	-0.33	43	-1.20	63	-3.60
4	2.27	24	-0.29	44	-1.21	64	-3.78
5	2.16	25	-0.26	45	-1.21	65	-3.78
6	1.97	26	-0.27	46	-1.40	66	-3.85
7	1.75	27	-0.30	47	-1.46	67	-3.95
8	1.60	28	-0.32	48	-1.70	68	-3.96
9	1.44	29	-0.62	49	-1.56	69	-4.01
10	1.35	30	-0.67	50	-1.49	70	-4.08
11	1.29	31	-0.78	51	-1.66	71	-4.16
12	1.20	32	-0.48	52	-1.67	72	-4.21
13	1.06	33	-0.56	53	-1.84	73	-4.01
14	0.94	34	-0.66	54	-2.35	74	-3.98
15	0.85	35	-0.73	55	-2.50	75	-4.01
16	0.84	36	-0.75	56	-2.56	76	-3.98
17	0.82	37	-0.76	57	-2.64	77	-4.01
18	0.65	38	-1.04	58	-2.41	78	-4.14
19	0.43	39	-1.07	59	-2.47	79	-4.20
20	0.27	40	-1.19	60	-2.71	80	-4.04
1	-0.24	6	0.26	11	0.17	16	0.25
2	-0.33	7	0.24	12	0.28	17	0.14
3	-0.11	8	0.22	13	0.27	18	0.22
4	0.13	9	0.17	14	0.26	19	0.15
5	0.26	10	0.10	15	0.27	20	0.20

12/28/1988

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.24	41	-1.30	61	-3.01
2	2.56	22	0.11	42	-1.03	62	-3.19
3	2.39	23	0.0	43	-1.16	63	-3.54
4	2.25	24	-0.07	44	-1.18	64	-3.66
5	2.15	25	-0.14	45	-1.21	65	-3.79
6	1.96	26	-0.18	46	-1.26	66	-3.69
7	1.75	27	-0.19	47	-1.51	67	-3.82
8	1.60	28	-0.19	48	-1.77	68	-3.86
9	1.44	29	-0.24	49	-1.41	69	-3.96
10	1.35	30	-0.31	50	-1.63	70	-4.07
11	1.29	31	-0.66	51	-1.86	71	-4.09
12	1.21	32	-0.43	52	-2.13	72	-4.13
13	1.12	33	-0.42	53	-2.37	73	-4.01
14	1.02	34	-0.56	54	-2.66	74	-3.96
15	0.93	35	-0.50	55	-2.86	75	-3.96
16	0.85	36	-0.58	56	-2.96	76	-3.96
17	0.72	37	-0.61	57	-2.77	77	-3.90
18	0.64	38	-0.69	58	-2.61	78	-4.06
19	0.49	39	-0.96	59	-2.66	79	-4.06
20	0.38	40	-1.07	60	-2.80	80	-3.93
1	0.21	6	0.20	11	0.19	16	0.09
2	0.21	7	0.20	12	0.17	17	0.03
3	0.23	8	0.20	13	0.16	18	-0.01
4	0.27	9	0.20	14	0.11	19	0.13
5	0.26	10	0.19	15	0.08	20	0.12

1/12/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	0.12	41	-2.17	61	-1.73
2	2.54	22	0.06	42	-1.98	62	-1.89
3	2.40	23	-0.04	43	-1.45	63	-2.41
4	2.25	24	-0.16	44	-1.38	64	-3.24
5	2.15	25	-0.19	45	-1.46	65	-3.32
6	1.95	26	-0.28	46	-1.51	66	-2.87
7	1.81	27	-0.37	47	-1.84	67	-2.91
8	1.69	28	-0.40	48	-2.67	68	-3.32
9	1.55	29	-0.51	49	-2.53	69	-3.86
10	1.44	30	-0.61	50	-2.25	70	-3.88
11	1.31	31	-1.26	51	-1.67	71	-4.39
12	1.18	32	-1.03	52	-1.76	72	-4.80
13	1.05	33	-0.93	53	-1.70	73	-4.47
14	0.93	34	-0.84	54	-1.74	74	-3.96
15	0.81	35	-0.86	55	-1.77	75	-3.83
16	0.64	36	-0.91	56	-2.12	76	-3.78
17	0.53	37	-0.97	57	-2.37	77	-3.86
18	0.44	38	-0.97	58	-2.06	78	-3.97
19	0.34	39	-1.07	59	-1.60	79	-4.41
20	0.23	40	-1.58	60	-1.66	80	-4.99
1	0.16	6	0.20	11	0.11	16	-0.02
2	0.13	7	0.19	12	0.12	17	0.04
3	0.21	8	0.22	13	0.09	18	0.01
4	0.20	9	0.21	14	0.09	19	-0.05
5	0.21	10	0.19	15	0.10	20	-0.07

1/ 5/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.39	41	-1.50	61	-3.56
2	2.53	22	0.29	42	-1.10	62	-3.75
3	2.36	23	0.14	43	-0.99	63	-3.78
4	2.24	24	0.07	44	-1.07	64	-3.83
5	2.13	25	-0.02	45	-1.14	65	-3.82
6	1.93	26	-0.10	46	-1.20	66	-3.40
7	1.75	27	-0.17	47	-1.69	67	-3.42
8	1.58	28	-0.21	48	-1.95	68	-3.68
9	1.43	29	-0.26	49	-1.54	69	-4.04
10	1.37	30	-0.50	50	-1.46	70	-4.19
11	1.29	31	-0.84	51	-1.47	71	-4.24
12	1.22	32	-0.52	52	-1.56	72	-4.38
13	1.16	33	-0.46	53	-1.73	73	-4.01
14	1.07	34	-0.52	54	-1.75	74	-3.82
15	0.96	35	-0.58	55	-2.32	75	-3.82
16	0.86	36	-0.60	56	-3.10	76	-3.86
17	0.76	37	-0.70	57	-3.14	77	-3.95
18	0.68	38	-0.87	58	-2.89	78	-4.07
19	0.60	39	-1.00	59	-3.42	79	-4.17
20	0.50	40	-1.27	60	-3.47	80	-4.21
1	0.42	6	0.55	11	0.31	16	0.23
2	0.39	7	0.45	12	0.28	17	0.17
3	0.41	8	0.39	13	0.28	18	0.11
4	0.39	9	0.40	14	0.29	19	0.09
5	0.50	10	0.36	15	0.23	20	0.19

1/19/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.10	41	-2.06	61	-2.09
2	2.53	22	0.02	42	-1.46	62	-2.26
3	2.29	23	-0.06	43	-1.21	63	-2.56
4	2.26	24	-0.16	44	-1.26	64	-3.51
5	2.15	25	-0.26	45	-1.36	65	-3.26
6	1.96	26	-0.35	46	-1.46	66	-2.92
7	1.80	27	-0.42	47	-1.77	67	-3.07
8	1.68	28	-0.46	48	-2.41	68	-3.30
9	1.56	29	-0.50	49	-2.31	69	-3.82
10	1.44	30	-0.36	50	-2.24	70	-4.24
11	1.32	31	-1.26	51	-2.30	71	-4.32
12	1.19	32	-0.75	52	-1.71	72	-4.58
13	1.07	33	-0.70	53	-1.55	73	-4.61
14	0.93	34	-0.76	54	-1.50	74	-4.20
15	0.83	35	-0.81	55	-1.93	75	-4.39
16	0.75	36	-0.86	56	-2.19	76	-4.39
17	0.59	37	-0.90	57	-2.06	77	-4.61
18	0.45	38	-0.94	58	-1.69	78	-4.59
19	0.34	39	-0.96	59	-1.79	79	-4.61
20	0.14	40	-1.11	60	-1.95	80	-4.74
1	0.03	6	0.10	11	0.18	16	0.11
2	0.08	7	0.15	12	0.15	17	0.12
3	0.09	8	0.16	13	0.20	18	0.17
4	0.05	9	0.15	14	0.24	19	0.19
5	0.07	10	0.16	15	0.21	20	0.22

1/26/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	-0.04	41	-2.14	61	-2.29
2	2.56	22	-0.06	42	-1.84	62	-2.26
3	2.41	23	-0.16	43	-1.85	63	-2.29
4	2.26	24	-0.25	44	-1.96	64	-3.21
5	2.07	25	-0.32	45	-1.99	65	-2.90
6	1.92	26	-0.45	46	-2.02	66	-2.30
7	1.76	27	-0.48	47	-2.22	67	-2.22
8	1.61	28	-0.57	48	-2.73	68	-2.18
9	1.46	29	-0.64	49	-2.55	69	-2.16
10	1.32	30	-0.71	50	-2.31	70	-2.27
11	1.20	31	-1.28	51	-2.33	71	-2.87
12	1.07	32	-0.93	52	-2.32	72	-3.98
13	0.94	33	-1.06	53	-2.22	73	-4.32
14	0.81	34	-0.99	54	-2.31	74	-4.00
15	0.70	35	-1.01	55	-2.46	75	-4.21
16	0.55	36	-1.07	56	-3.39	76	-4.44
17	0.44	37	-1.10	57	-3.29	77	-4.55
18	0.34	38	-1.10	58	-2.97	78	-4.79
19	0.21	39	-1.19	59	-2.73	79	-4.82
20	0.12	40	-1.36	60	-2.55	80	-4.87
1	0.02	6	0.09	11	0.02	16	-0.02
2	0.06	7	0.13	12	0.01	17	-0.04
3	0.10	8	0.17	13	-0.03	18	-0.08
4	0.14	9	0.21	14	-0.02	19	-0.05
5	0.13	10	0.21	15	-0.02	20	-0.05

2/ 9/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.06	41	-2.32	61	-3.13
2	2.55	22	-0.08	42	-2.06	62	-2.81
3	2.40	23	-0.17	43	-1.68	63	-2.85
4	2.25	24	-0.26	44	-1.62	64	-3.14
5	2.08	25	-0.36	45	-1.66	65	-3.18
6	1.92	26	-0.47	46	-1.71	66	-2.79
7	1.79	27	-0.65	47	-1.84	67	-2.63
8	1.65	28	-0.61	48	-2.81	68	-2.27
9	1.52	29	-0.66	49	-2.60	69	-2.13
10	1.38	30	-0.79	50	-2.42	70	-2.22
11	1.27	31	-1.64	51	-2.19	71	-2.30
12	1.14	32	-1.25	52	-2.17	72	-3.27
13	1.02	33	-0.94	53	-1.89	73	-3.06
14	0.90	34	-0.99	54	-1.79	74	-2.70
15	0.77	35	-1.06	55	-1.91	75	-2.70
16	0.64	36	-1.12	56	-2.98	76	-2.82
17	0.48	37	-1.18	57	-3.12	77	-3.15
18	0.36	38	-1.20	58	-2.96	78	-3.43
19	0.23	39	-1.27	59	-3.17	79	-3.56
20	0.14	40	-1.46	60	-3.16	80	-4.17
1	0.02	6	-0.02	11	0.09	16	0.20
2	-0.02	7	-0.03	12	0.09	17	0.21
3	-0.04	8	0.07	13	0.12	18	0.20
4	-0.02	9	0.08	14	0.18	19	0.14
5	-0.04	10	0.08	15	0.19	20	0.07

2/ 2/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.14	41	-2.52	61	-3.06
2	2.53	22	-0.12	42	-2.11	62	-3.20
3	2.39	23	-0.28	43	-2.02	63	-3.02
4	2.24	24	-0.82	44	-1.91	64	-3.64
5	2.06	25	-0.90	45	-1.73	65	-3.26
6	1.91	26	-1.11	46	-1.84	66	-2.24
7	1.77	27	-1.19	47	-1.91	67	-1.91
8	1.63	28	-1.00	48	-3.23	68	-1.88
9	1.48	29	-1.04	49	-2.85	69	-1.96
10	1.32	30	-1.20	50	-2.40	70	-2.20
11	1.19	31	-1.89	51	-2.36	71	-2.72
12	1.06	32	-1.73	52	-2.38	72	-3.30
13	0.96	33	-1.50	53	-2.34	73	-2.98
14	0.86	34	-1.50	54	-2.33	74	-2.57
15	0.78	35	-1.56	55	-2.47	75	-2.65
16	0.61	36	-1.69	56	-3.39	76	-2.81
17	0.54	37	-1.73	57	-3.51	77	-3.07
18	0.46	38	-1.68	58	-3.25	78	-3.46
19	0.39	39	-1.77	59	-3.15	79	-3.99
20	0.30	40	-1.86	60	-3.10	80	-4.47
1	0.64	6	0.54	11	0.70	16	0.91
2	0.64	7	0.52	12	0.77	17	0.85
3	0.61	8	0.51	13	0.79	18	0.82
4	0.60	9	0.51	14	0.81	19	0.96
5	0.55	10	0.55	15	0.89	20	1.15

2/16/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	0.06	41	-2.29	61	-2.74
2	2.53	22	-0.06	42	-2.35	62	-2.74
3	2.40	23	-0.16	43	-2.04	63	-2.96
4	2.24	24	-0.28	44	-2.03	64	-3.27
5	2.07	25	-0.49	45	-1.89	65	-3.11
6	1.89	26	-0.59	46	-1.94	66	-2.84
7	1.77	27	-0.93	47	-2.14	67	-2.58
8	1.65	28	-0.97	48	-3.06	68	-2.49
9	1.56	29	-1.14	49	-2.92	69	-2.36
10	1.44	30	-1.31	50	-2.76	70	-2.42
11	1.29	31	-1.68	51	-2.66	71	-2.64
12	1.14	32	-1.56	52	-2.60	72	-2.87
13	0.98	33	-1.64	53	-2.61	73	-2.71
14	0.85	34	-1.65	54	-2.65	74	-2.44
15	0.76	35	-1.62	55	-2.79	75	-2.59
16	0.66	36	-1.65	56	-3.15	76	-2.79
17	0.57	37	-1.68	57	-3.14	77	-2.90
18	0.36	38	-1.38	58	-2.90	78	-3.17
19	0.30	39	-1.47	59	-2.89	79	-3.47
20	0.19	40	-1.66	60	-2.75	80	-3.83
1	0.08	6	0.26	11	0.08	16	0.28
2	0.20	7	0.35	12	0.14	17	0.29
3	0.19	8	0.44	13	0.16	18	0.11
4	0.16	9	0.47	14	0.20	19	-0.03
5	0.25	10	0.34	15	0.25	20	-0.01

2/23/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.02	41	-2.35	61	-1.55
2	2.57	22	-0.12	42	-1.97	62	-1.46
3	2.42	23	-0.21	43	-1.66	63	-1.70
4	2.27	24	-0.28	44	-1.72	64	-2.00
5	2.09	25	-0.38	45	-1.99	65	-1.92
6	1.93	26	-0.47	46	-1.96	66	-1.71
7	1.80	27	-0.56	47	-2.17	67	-1.77
8	1.67	28	-0.64	48	-2.46	68	-1.86
9	1.57	29	-0.68	49	-2.39	69	-2.34
10	1.47	30	-0.75	50	-2.15	70	-2.46
11	1.35	31	-1.14	51	-1.91	71	-2.60
12	1.24	32	-1.02	52	-1.73	72	-2.86
13	1.12	33	-0.93	53	-1.78	73	-2.73
14	1.01	34	-0.97	54	-1.79	74	-2.61
15	0.85	35	-1.02	55	-2.06	75	-2.75
16	0.64	36	-1.22	56	-2.85	76	-2.87
17	0.47	37	-1.18	57	-2.85	77	-3.07
18	0.33	38	-1.16	58	-2.78	78	-3.26
19	0.20	39	-1.27	59	-2.53	79	-3.47
20	0.10	40	-2.16	60	-1.77	80	-3.77
1	-0.07	6	-0.05	11	0.03	16	0.13
2	-0.11	7	0.0	12	0.07	17	0.07
3	-0.11	8	0.03	13	0.11	18	0.04
4	-0.08	9	0.09	14	0.13	19	0.02
5	-0.07	10	0.11	15	0.14	20	0.0

3/ 2/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.02	41	-2.31	61	-3.00
2	2.59	22	-0.11	42	-2.08	62	-3.02
3	2.42	23	-0.20	43	-1.86	63	-3.04
4	2.27	24	-0.27	44	-1.60	64	-3.52
5	2.10	25	-0.36	45	-1.56	65	-3.41
6	1.95	26	-0.42	46	-1.72	66	-3.32
7	1.82	27	-0.49	47	-2.09	67	-3.06
8	1.71	28	-0.57	48	-2.89	68	-2.94
9	1.60	29	-0.65	49	-2.72	69	-2.57
10	1.46	30	-0.86	50	-2.26	70	-2.72
11	1.32	31	-1.00	51	-2.00	71	-2.55
12	1.17	32	-1.04	52	-1.91	72	-3.24
13	1.05	33	-1.19	53	-1.82	73	-3.12
14	0.93	34	-1.20	54	-1.96	74	-2.36
15	0.82	35	-1.06	55	-3.09	75	-2.07
16	0.66	36	-1.08	56	-3.21	76	-2.02
17	0.51	37	-1.10	57	-3.10	77	-2.12
18	0.38	38	-1.32	58	-3.00	78	-2.41
19	0.24	39	-1.46	59	-2.92	79	-2.79
20	0.12	40	-1.79	60	-2.95	80	-3.34
1	0.01	6	0.09	11	0.0	16	0.02
2	0.02	7	0.12	12	0.03	17	0.03
3	0.06	8	0.13	13	0.02	18	0.03
4	0.07	9	0.13	14	0.04	19	0.09
5	0.09	10	0.16	15	0.03	20	0.09

3/ 9/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.04	41	-3.01	61	-2.19
2	2.55	22	-0.13	42	-2.69	62	-2.33
3	2.41	23	-0.18	43	-2.37	63	-2.96
4	2.25	24	-0.27	44	-2.48	64	-3.30
5	2.09	25	-0.36	45	-2.73	65	-3.15
6	1.96	26	-0.44	46	-2.76	66	-2.76
7	1.84	27	-0.55	47	-3.07	67	-2.60
8	1.75	28	-0.60	48	-3.43	68	-2.59
9	1.59	29	-0.66	49	-3.56	69	-2.76
10	1.42	30	-0.72	50	-2.79	70	-3.27
11	1.26	31	-1.16	51	-2.53	71	-3.31
12	1.11	32	-0.91	52	-2.52	72	-3.39
13	0.97	33	-0.91	53	-2.63	73	-3.55
14	0.83	34	-0.97	54	-2.91	74	-3.38
15	0.70	35	-1.04	55	-3.20	75	-2.88
16	0.56	36	-1.12	56	-3.19	76	-2.84
17	0.44	37	-1.21	57	-2.97	77	-2.89
18	0.32	38	-1.27	58	-2.26	78	-2.75
19	0.23	39	-1.36	59	-2.07	79	-2.84
20	0.11	40	-1.51	60	-2.10	80	-3.11
1	0.03	6	0.02	11	0.02	16	0.0
2	0.06	7	0.01	12	0.02	17	0.01
3	0.09	8	0.03	13	-0.03	18	0.03
4	0.06	9	0.0	14	-0.05	19	0.05
5	0.05	10	-0.03	15	-0.03	20	0.09

3/16/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.73	21	0.03	41	-2.86	61	-2.90
2	2.56	22	-0.09	42	-2.77	62	-2.88
3	2.43	23	-0.19	43	-3.06	63	-2.97
4	2.26	24	-0.27	44	-3.01	64	-3.76
5	2.10	25	-0.38	45	-2.92	65	-3.58
6	1.95	26	-0.49	46	-2.72	66	-3.46
7	1.83	27	-0.60	47	-2.40	67	-3.50
8	1.75	28	-0.67	48	-3.28	68	-3.79
9	1.60	29	-0.77	49	-3.10	69	-3.54
10	1.47	30	-0.92	50	-3.02	70	-3.17
11	1.35	31	-1.29	51	-2.88	71	-2.89
12	1.19	32	-0.93	52	-2.11	72	-3.38
13	1.02	33	-0.93	53	-2.07	73	-3.07
14	0.88	34	-1.16	54	-1.97	74	-2.52
15	0.76	35	-1.31	55	-2.09	75	-2.37
16	0.60	36	-1.39	56	-2.89	76	-2.39
17	0.47	37	-1.32	57	-3.18	77	-2.61
18	0.35	38	-1.36	58	-3.06	78	-2.90
19	0.24	39	-1.95	59	-2.87	79	-3.18
20	0.14	40	-2.57	60	-2.92	80	-3.47
1	0.02	6	0.03	11	-0.03	16	-0.03
2	0.05	7	0.0	12	-0.03	17	0.05
3	0.07	8	0.0	13	-0.06	18	0.11
4	0.15	9	0.07	14	-0.06	19	0.09
5	0.13	10	0.06	15	-0.07	20	0.08

3/23/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.46	41	-2.89	61	-1.90
2	2.53	22	-0.21	42	-2.67	62	-2.10
3	2.40	23	-0.28	43	-2.11	63	-2.28
4	2.23	24	-0.37	44	-2.04	64	-2.96
5	2.08	25	-0.46	45	-1.98	65	-3.05
6	1.92	26	-0.54	46	-2.12	66	-2.44
7	1.79	27	-0.62	47	-2.59	67	-1.90
8	1.61	28	-0.66	48	-3.34	68	-1.94
9	1.40	29	-0.82	49	-3.46	69	-1.98
10	1.22	30	-0.91	50	-2.72	70	-2.07
11	1.08	31	-1.37	51	-2.59	71	-2.26
12	0.95	32	-1.12	52	-2.50	72	-2.85
13	0.83	33	-1.14	53	-2.32	73	-3.18
14	0.72	34	-1.12	54	-2.19	74	-2.62
15	0.62	35	-1.21	55	-2.47	75	-2.42
16	0.47	36	-1.58	56	-3.55	76	-2.18
17	0.28	37	-1.61	57	-3.06	77	-2.42
18	0.13	38	-1.65	58	-2.16	78	-2.80
19	0.04	39	-1.74	59	-1.77	79	-3.00
20	-0.04	40	-1.94	60	-1.83	80	-3.39
1	-0.14	6	0.01	11	-0.17	16	0.09
2	-0.13	7	0.03	12	-0.04	17	0.07
3	-0.10	8	0.10	13	0.03	18	0.07
4	-0.05	9	0.12	14	0.05	19	0.04
5	0.02	10	0.11	15	0.06	20	0.03

4/ 6/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	-0.21	41	-3.32	61	-3.97
2	2.53	22	-0.27	42	-3.14	62	-4.01
3	2.39	23	-0.38	43	-2.92	63	-4.05
4	2.22	24	-0.47	44	-2.96	64	-4.15
5	2.08	25	-0.54	45	-3.02	65	-4.11
6	1.93	26	-0.66	46	-3.12	66	-3.76
7	1.78	27	-0.76	47	-2.99	67	-3.58
8	1.57	28	-0.83	48	-3.27	68	-3.64
9	1.34	29	-0.86	49	-3.46	69	-3.89
10	1.17	30	-0.97	50	-3.34	70	-3.97
11	1.01	31	-1.57	51	-2.96	71	-4.01
12	0.86	32	-1.26	52	-2.53	72	-4.14
13	0.73	33	-1.31	53	-2.40	73	-3.95
14	0.61	34	-1.31	54	-2.57	74	-3.80
15	0.47	35	-1.38	55	-3.74	75	-3.73
16	0.34	36	-1.49	56	-3.98	76	-3.72
17	0.21	37	-1.51	57	-3.91	77	-3.60
18	0.11	38	-1.55	58	-3.64	78	-3.73
19	-0.08	39	-1.75	59	-4.01	79	-3.46
20	-0.07	40	-2.07	60	-3.94	80	-3.92
1	-0.15	6	0.08	11	-0.16	16	0.01
2	-0.14	7	0.11	12	-0.15	17	0.10
3	-0.14	8	0.13	13	-0.12	18	0.19
4	-0.10	9	0.15	14	-0.09	19	0.27
5	-0.01	10	0.16	15	-0.07	20	0.31

3/31/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	-0.19	41	-3.13	61	-3.06
2	2.54	22	-0.26	42	-2.99	62	-2.99
3	2.41	23	-0.35	43	-2.77	63	-3.26
4	2.24	24	-0.42	44	-2.36	64	-3.45
5	2.10	25	-0.50	45	-2.28	65	-3.42
6	1.94	26	-0.60	46	-2.20	66	-3.46
7	1.78	27	-0.68	47	-2.36	67	-3.30
8	1.58	28	-0.86	48	-3.17	68	-3.37
9	1.33	29	-0.85	49	-3.22	69	-3.60
10	1.15	30	-0.85	50	-2.99	70	-3.77
11	1.00	31	-1.20	51	-2.95	71	-3.79
12	0.84	32	-1.01	52	-2.96	72	-4.44
13	0.72	33	-1.07	53	-2.89	73	-4.26
14	0.61	34	-1.22	54	-2.98	74	-4.18
15	0.46	35	-1.48	55	-3.13	75	-3.83
16	0.30	36	-1.69	56	-3.54	76	-3.61
17	0.16	37	-1.96	57	-3.41	77	-3.84
18	0.05	38	-2.20	58	-3.18	78	-3.92
19	-0.02	39	-2.36	59	-3.06	79	-4.07
20	-0.08	40	-2.59	60	-3.06	80	-4.47
1	-0.29	6	-0.13	11	-0.18	16	-0.12
2	-0.26	7	-0.15	12	-0.17	17	-0.08
3	-0.27	8	-0.11	13	-0.18	18	-0.02
4	-0.23	9	-0.11	14	-0.21	19	0.05
5	-0.21	10	-0.14	15	-0.19	20	0.06

4/13/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	0.11	41	-3.13	61	-1.96
2	2.54	22	0.01	42	-3.06	62	-1.89
3	2.39	23	-0.10	43	-2.90	63	-1.87
4	2.23	24	-0.19	44	-2.67	64	-3.06
5	2.08	25	-0.32	45	-2.70	65	-3.65
6	1.93	26	-0.37	46	-2.76	66	-3.42
7	1.78	27	-0.46	47	-2.89	67	-3.38
8	1.59	28	-0.54	48	-3.24	68	-3.42
9	1.44	29	-0.65	49	-3.32	69	-3.49
10	1.30	30	-0.78	50	-2.61	70	-3.68
11	1.15	31	-1.13	51	-2.43	71	-3.96
12	1.03	32	-1.06	52	-2.44	72	-4.01
13	0.90	33	-1.14	53	-2.45	73	-3.89
14	0.79	34	-1.24	54	-2.11	74	-2.74
15	0.69	35	-1.31	55	-2.22	75	-2.48
16	0.57	36	-1.67	56	-2.71	76	-2.44
17	0.44	37	-1.88	57	-3.04	77	-2.48
18	0.34	38	-2.26	58	-2.40	78	-3.29
19	0.24	39	-2.46	59	-2.46	79	-3.41
20	0.20	40	-2.57	60	-2.33	80	-3.80
1	0.11	6	0.21	11	0.02	16	0.06
2	0.11	7	0.29	12	0.03	17	0.09
3	0.12	8	0.34	13	0.02	18	0.12
4	0.12	9	0.30	14	0.01	19	0.13
5	0.15	10	0.30	15	0.01	20	0.12

4/20/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.37	41	-3.06	61	-2.37
2	2.55	22	0.24	42	-2.91	62	-2.49
3	2.40	23	0.10	43	-2.72	63	-2.62
4	2.24	24	-0.02	44	-2.41	64	-2.87
5	2.09	25	-0.18	45	-2.24	65	-2.51
6	1.93	26	-0.38	46	-2.26	66	-2.58
7	1.79	27	-0.77	47	-2.40	67	-2.67
8	1.59	28	-1.05	48	-2.69	68	-2.80
9	1.46	29	-1.29	49	-2.24	69	-2.86
10	1.31	30	-1.44	50	-2.17	70	-2.82
11	1.16	31	-1.90	51	-2.24	71	-2.86
12	1.04	32	-1.59	52	-2.27	72	-2.97
13	0.95	33	-1.48	53	-2.38	73	-2.47
14	0.88	34	-1.65	54	-2.43	74	-2.46
15	0.80	35	-1.84	55	-2.57	75	-2.52
16	0.73	36	-1.99	56	-2.76	76	-2.62
17	0.67	37	-2.33	57	-2.42	77	-2.76
18	0.64	38	-2.27	58	-2.30	78	-2.91
19	0.45	39	-2.27	59	-2.28	79	-3.14
20	0.44	40	-2.26	60	-2.28	80	-3.27
1	0.52	6	1.13	11	0.46	16	0.34
2	0.64	7	0.94	12	0.51	17	0.38
3	0.79	8	0.83	13	0.45	18	0.42
4	0.96	9	0.63	14	0.55	19	0.46
5	1.05	10	0.50	15	0.49	20	0.51

5/ 4/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	-0.74	41	-2.67	61	-1.73
2	2.54	22	-0.79	42	-2.26	62	-1.77
3	2.38	23	-1.03	43	-1.38	63	-2.04
4	2.22	24	-1.15	44	-1.28	64	-2.88
5	2.08	25	-1.25	45	-1.40	65	-2.61
6	1.93	26	-1.42	46	-1.56	66	-2.05
7	1.81	27	-1.66	47	-2.04	67	-2.08
8	1.72	28	-1.71	48	-2.86	68	-2.25
9	1.62	29	-1.92	49	-2.20	69	-2.39
10	1.55	30	-1.58	50	-2.12	70	-2.67
11	1.44	31	-2.21	51	-2.17	71	-3.46
12	1.36	32	-1.46	52	-2.19	72	-3.76
13	1.32	33	-1.58	53	-2.25	73	-3.29
14	1.29	34	-1.68	54	-2.31	74	-3.07
15	1.22	35	-1.71	55	-2.40	75	-3.08
16	0.95	36	-1.74	56	-3.37	76	-3.17
17	0.66	37	-1.65	57	-3.26	77	-3.45
18	0.45	38	-1.70	58	-2.31	78	-3.47
19	0.16	39	-1.67	59	-1.92	79	-4.27
20	-0.13	40	-2.06	60	-1.78	80	-4.56
1	-0.27	6	0.16	11	-0.55	16	0.23
2	-0.16	7	0.19	12	-0.34	17	0.36
3	0.0	8	0.14	13	-0.08	18	0.36
4	0.14	9	0.21	14	0.12	19	0.38
5	0.10	10	0.20	15	0.26	20	0.49

4/27/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.49	41	-2.94	61	-2.38
2	2.55	22	0.13	42	-2.48	62	-2.34
3	2.40	23	-0.09	43	-1.64	63	-2.45
4	2.24	24	-0.32	44	-1.45	64	-2.94
5	2.09	25	-0.49	45	-1.36	65	-2.60
6	1.94	26	-0.64	46	-1.37	66	-2.10
7	1.82	27	-0.79	47	-1.40	67	-1.90
8	1.65	28	-0.96	48	-2.35	68	-1.98
9	1.55	29	-1.17	49	-1.75	69	-2.16
10	1.49	30	-1.39	50	-1.66	70	-2.33
11	1.43	31	-1.96	51	-1.70	71	-2.70
12	1.37	32	-1.84	52	-1.86	72	-3.36
13	1.29	33	-1.58	53	-2.09	73	-2.92
14	1.20	34	-1.66	54	-2.23	74	-2.62
15	1.11	35	-1.73	55	-2.52	75	-2.66
16	1.04	36	-2.04	56	-3.24	76	-2.80
17	0.95	37	-2.11	57	-3.28	77	-3.10
18	0.92	38	-2.11	58	-2.89	78	-3.28
19	0.89	39	-2.32	59	-2.49	79	-3.61
20	0.78	40	-1.97	60	-2.45	80	-3.95
1	0.38	6	0.37	11	0.36	16	0.18
2	0.33	7	0.30	12	0.31	17	0.14
3	0.34	8	0.30	13	0.31	18	0.17
4	0.47	9	0.20	14	0.30	19	0.14
5	0.39	10	0.05	15	0.25	20	0.09

5/11/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.36	41	-1.62	61	-2.40
2	2.56	22	0.20	42	-0.90	62	-2.45
3	2.40	23	0.04	43	-0.80	63	-2.77
4	2.24	24	-0.17	44	-0.82	64	-3.06
5	2.09	25	-0.36	45	-0.82	65	-2.82
6	1.98	26	-0.52	46	-0.86	66	-2.45
7	1.91	27	-0.63	47	-0.94	67	-2.57
8	1.83	28	-0.82	48	-1.27	68	-2.71
9	1.76	29	-1.09	49	-1.10	69	-3.57
10	1.69	30	-1.39	50	-1.06	70	-3.56
11	1.60	31	-1.30	51	-1.10	71	-3.79
12	1.51	32	-0.82	52	-1.19	72	-3.82
13	1.41	33	-0.77	53	-1.25	73	-3.47
14	1.30	34	-0.76	54	-1.30	74	-3.56
15	1.14	35	-0.81	55	-1.37	75	-3.82
16	0.98	36	-0.84	56	-1.74	76	-3.88
17	0.83	37	-0.93	57	-1.86	77	-3.90
18	0.72	38	-0.96	58	-1.66	78	-3.88
19	0.61	39	-1.02	59	-1.66	79	-4.20
20	0.52	40	-1.20	60	-1.89	80	-4.09
1	0.41	6	0.30	11	0.22	16	0.09
2	0.39	7	0.25	12	0.18	17	0.13
3	0.34	8	0.21	13	0.11	18	0.04
4	0.32	9	0.19	14	0.02	19	-0.08
5	0.31	10	0.19	15	-0.01	20	-0.05

5/18/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.60	41	-2.24	61	-1.96
2	2.53	22	0.33	42	-2.06	62	-2.36
3	2.37	23	0.12	43	-1.77	63	-2.37
4	2.22	24	-0.12	44	-1.76	64	-2.66
5	2.07	25	-0.37	45	-1.88	65	-2.28
6	1.97	26	-0.57	46	-1.73	66	-2.00
7	1.91	27	-0.76	47	-2.10	67	-2.26
8	1.82	28	-0.86	48	-2.76	68	-2.42
9	1.75	29	-0.93	49	-2.62	69	-2.83
10	1.66	30	-1.00	50	-2.53	70	-3.34
11	1.54	31	-1.77	51	-2.42	71	-3.56
12	1.40	32	-1.46	52	-2.06	72	-3.92
13	1.28	33	-1.16	53	-1.78	73	-3.08
14	1.14	34	-1.43	54	-1.66	74	-2.96
15	1.04	35	-1.30	55	-1.70	75	-3.16
16	0.92	36	-1.40	56	-2.04	76	-3.43
17	0.83	37	-1.33	57	-1.70	77	-3.95
18	0.78	38	-1.43	58	-1.42	78	-4.01
19	0.83	39	-1.10	59	-1.50	79	-4.06
20	0.84	40	-1.20	60	-1.67	80	-4.21
1	0.51	6	0.43	11	0.56	16	0.37
2	0.54	7	0.46	12	0.49	17	0.34
3	0.48	8	0.44	13	0.48	18	0.42
4	0.46	9	0.38	14	0.44	19	0.44
5	0.38	10	0.42	15	0.39	20	0.39

6/ 1/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.25	41	-1.26	61	-1.68
2	2.56	22	0.09	42	-1.55	62	-1.69
3	2.39	23	0.01	43	-1.72	63	-2.27
4	2.24	24	-0.10	44	-1.60	64	-2.56
5	2.08	25	-0.20	45	-1.61	65	-2.85
6	1.97	26	-0.31	46	-1.77	66	-2.68
7	1.91	27	-0.41	47	-2.13	67	-2.89
8	1.83	28	-0.50	48	-2.81	68	-2.96
9	1.76	29	-0.59	49	-2.28	69	-3.21
10	1.66	30	-0.65	50	-2.01	70	-3.81
11	1.53	31	-1.20	51	-1.94	71	-3.96
12	1.42	32	-0.76	52	-1.88	72	-4.16
13	1.32	33	-0.81	53	-1.65	73	-3.61
14	1.31	34	-0.86	54	-1.36	74	-3.56
15	1.23	35	-0.98	55	-1.36	75	-3.56
16	1.03	36	-1.06	56	-1.71	76	-3.62
17	0.88	37	-1.10	57	-1.82	77	-3.81
18	0.73	38	-1.22	58	-1.57	78	-4.00
19	0.58	39	-1.61	59	-1.57	79	-4.20
20	0.42	40	-1.86	60	-1.65	80	-4.26
1	0.36	6	0.66	11	0.22	16	0.27
2	0.46	7	0.75	12	0.18	17	0.34
3	0.49	8	0.74	13	0.16	18	0.35
4	0.53	9	0.58	14	0.11	19	0.35
5	0.59	10	0.58	15	0.19	20	0.37

5/25/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.34	41	-1.36	61	-2.44
2	2.53	22	0.14	42	-0.94	62	-2.98
3	2.38	23	0.03	43	-0.94	63	-2.96
4	2.23	24	-0.12	44	-0.99	64	-3.23
5	2.08	25	-0.26	45	-1.02	65	-2.61
6	1.97	26	-0.42	46	-1.11	66	-2.69
7	1.91	27	-0.65	47	-1.36	67	-2.87
8	1.83	28	-0.87	48	-1.61	68	-2.96
9	1.74	29	-1.17	49	-1.53	69	-3.57
10	1.65	30	-1.57	50	-1.28	70	-3.71
11	1.55	31	-1.73	51	-1.40	71	-3.66
12	1.39	32	-1.07	52	-1.41	72	-4.00
13	1.31	33	-1.16	53	-1.56	73	-3.38
14	1.27	34	-1.15	54	-1.59	74	-3.21
15	1.25	35	-1.06	55	-1.66	75	-3.37
16	1.18	36	-1.06	56	-2.16	76	-3.57
17	1.03	37	-1.21	57	-2.01	77	-3.80
18	0.76	38	-0.93	58	-1.95	78	-3.80
19	0.59	39	-1.11	59	-2.10	79	-3.88
20	0.44	40	-1.21	60	-2.44	80	-4.03
1	0.37	6	0.53	11	0.27	16	0.25
2	0.45	7	0.47	12	0.29	17	0.25
3	0.54	8	0.36	13	0.25	18	0.18
4	0.54	9	0.27	14	0.28	19	0.10
5	0.54	10	0.31	15	0.30	20	0.10

6/ 8/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.74	21	0.34	41	-1.58	61	-2.37
2	2.54	22	0.18	42	-0.86	62	-2.92
3	2.35	23	0.07	43	-0.85	63	-3.00
4	2.22	24	-0.05	44	-0.85	64	-3.42
5	2.07	25	-0.16	45	-0.88	65	-3.06
6	1.97	26	-0.22	46	-0.94	66	-2.99
7	1.92	27	-0.31	47	-1.06	67	-3.01
8	1.84	28	-0.40	48	-1.48	68	-3.08
9	1.73	29	-0.46	49	-1.27	69	-3.17
10	1.64	30	-0.58	50	-1.20	70	-3.37
11	1.53	31	-0.76	51	-1.35	71	-3.91
12	1.43	32	-0.71	52	-1.37	72	-4.05
13	1.36	33	-0.78	53	-1.38	73	-3.76
14	1.33	34	-0.86	54	-1.48	74	-3.54
15	1.31	35	-0.87	55	-1.57	75	-3.46
16	1.10	36	-0.91	56	-1.97	76	-3.48
17	0.95	37	-0.96	57	-2.06	77	-3.69
18	0.82	38	-1.04	58	-1.85	78	-3.85
19	0.64	39	-1.18	59	-1.96	79	-3.86
20	0.49	40	-1.56	60	-2.07	80	-4.09
1	0.36	6	0.41	11	0.31	16	0.31
2	0.37	7	0.39	12	0.27	17	0.33
3	0.43	8	0.37	13	0.25	18	0.35
4	0.47	9	0.35	14	0.28	19	0.35
5	0.41	10	0.38	15	0.28	20	0.34

6/15/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.42	41	-1.86	61	-2.94
2	2.54	22	0.23	42	-1.16	62	-3.01
3	2.39	23	0.19	43	-1.04	63	-3.19
4	2.23	24	0.04	44	-1.16	64	-3.50
5	2.08	25	0.35	45	-1.18	65	-3.16
6	1.95	26	-0.21	46	-1.31	66	-2.86
7	1.89	27	-0.24	47	-1.46	67	-3.06
8	1.81	28	-0.36	48	-2.06	68	-3.11
9	1.76	29	-0.41	49	-2.15	69	-3.66
10	1.63	30	-0.47	50	-1.38	70	-3.94
11	1.52	31	-0.86	51	-1.36	71	-4.08
12	1.42	32	-0.78	52	-1.28	72	-4.21
13	1.33	33	-0.56	53	-1.34	73	-3.75
14	1.32	34	-0.56	54	-1.44	74	-3.64
15	1.26	35	-0.68	55	-1.58	75	-3.89
16	1.13	36	-0.68	56	-2.27	76	-3.89
17	0.94	37	-0.76	57	-1.91	77	-3.97
18	0.83	38	-0.94	58	-1.77	78	-4.04
19	0.71	39	-1.11	59	-1.94	79	-4.16
20	0.55	40	-1.36	60	-2.32	80	-4.43
1	0.48	6	0.53	11	0.48	16	0.53
2	0.49	7	0.52	12	0.49	17	0.52
3	0.53	8	0.53	13	0.53	18	0.53
4	0.55	9	0.49	14	0.55	19	0.49
5	0.49	10	0.47	15	0.49	20	0.47

6/22/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.75	21	0.24	41	-1.12	61	-1.74
2	2.57	22	0.13	42	-0.86	62	-1.79
3	2.41	23	0.06	43	-0.88	63	-2.06
4	2.24	24	-0.01	44	-0.92	64	-2.67
5	2.10	25	-0.10	45	-0.96	65	-2.58
6	2.00	26	-0.19	46	-1.02	66	-2.40
7	1.97	27	-0.27	47	-1.09	67	-2.46
8	1.89	28	-0.36	48	-1.35	68	-2.68
9	1.77	29	-0.43	49	-1.46	69	-3.02
10	1.64	30	-0.50	50	-1.52	70	-3.59
11	1.53	31	-0.61	51	-1.48	71	-3.96
12	1.41	32	-0.68	52	-1.56	72	-4.11
13	1.29	33	-0.74	53	-1.75	73	-4.11
14	1.18	34	-0.82	54	-1.72	74	-3.65
15	1.05	35	-0.82	55	-1.79	75	-4.12
16	0.88	36	-0.84	56	-2.01	76	-4.26
17	0.71	37	-0.84	57	-2.43	77	-4.27
18	0.56	38	-0.81	58	-2.01	78	-4.48
19	0.44	39	-0.81	59	-1.90	79	-4.49
20	0.35	40	-0.82	60	-1.82	80	-4.75
1	0.29	6	0.33	11	0.20	16	0.12
2	0.30	7	0.30	12	0.20	17	0.09
3	0.32	8	0.31	13	0.20	18	0.06
4	0.34	9	0.32	14	0.19	19	0.04
5	0.33	10	0.33	15	0.16	20	0.04

6/29/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.46	41	-1.27	61	-2.18
2	2.55	22	0.14	42	-1.07	62	-2.45
3	2.39	23	-0.25	43	-0.85	63	-2.71
4	2.22	24	-0.34	44	-1.06	64	-2.85
5	2.08	25	-0.46	45	-1.06	65	-2.87
6	2.00	26	-0.67	46	-0.84	66	-2.56
7	1.96	27	-0.69	47	-1.14	67	-2.70
8	1.81	28	-0.74	48	-1.49	68	-2.91
9	1.74	29	-0.76	49	-1.31	69	-3.12
10	1.63	30	-0.76	50	-1.16	70	-3.41
11	1.51	31	-1.11	51	-1.19	71	-3.64
12	1.40	32	-0.50	52	-1.22	72	-4.05
13	1.27	33	-0.49	53	-1.28	73	-3.94
14	1.17	34	-0.51	54	-1.34	74	-3.94
15	1.08	35	-0.50	55	-1.46	75	-3.96
16	1.00	36	-0.55	56	-2.08	76	-4.05
17	0.91	37	-0.61	57	-2.27	77	-4.06
18	0.84	38	-0.78	58	-1.69	78	-4.18
19	0.81	39	-1.05	59	-1.77	79	-4.19
20	0.73	40	-0.95	60	-1.96	80	-4.45
1	0.32	6	0.26	11	0.46	16	0.46
2	0.29	7	0.28	12	0.47	17	0.37
3	0.26	8	0.29	13	0.46	18	0.28
4	0.26	9	0.26	14	0.46	19	0.24
5	0.27	10	0.26	15	0.48	20	0.22

7/ 6/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	0.36	41	-1.55	61	-1.86
2	2.55	22	0.24	42	-1.25	62	-2.39
3	2.39	23	0.15	43	-1.16	63	-2.72
4	2.22	24	0.06	44	-0.90	64	-3.11
5	2.13	25	-0.02	45	-0.93	65	-2.90
6	2.00	26	-0.12	46	-0.88	66	-2.50
7	1.96	27	-0.19	47	-1.01	67	-2.66
8	1.87	28	-0.25	48	-1.48	68	-2.77
9	1.75	29	-0.31	49	-0.95	69	-2.99
10	1.62	30	-0.39	50	-0.97	70	-3.25
11	1.53	31	-0.65	51	-1.01	71	-3.88
12	1.46	32	-0.47	52	-1.12	72	-4.20
13	1.41	33	-0.55	53	-1.18	73	-4.11
14	1.33	34	-0.65	54	-1.18	74	-3.75
15	1.22	35	-0.64	55	-1.27	75	-3.94
16	1.08	36	-0.65	56	-1.62	76	-3.90
17	0.91	37	-0.71	57	-1.71	77	-4.18
18	0.75	38	-0.69	58	-1.57	78	-4.12
19	0.61	39	-0.77	59	-1.59	79	-4.23
20	0.52	40	-0.89	60	-1.71	80	-4.45
1	0.35	6	0.25	11	0.39	16	0.34
2	0.35	7	0.22	12	0.42	17	0.33
3	0.35	8	0.23	13	0.40	18	0.25
4	0.31	9	0.27	14	0.38	19	0.21
5	0.28	10	0.28	15	0.35	20	0.19

7/13/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.79	21	0.58	41	-1.69	61	-2.47
2	2.53	22	0.42	42	-1.38	62	-2.67
3	2.45	23	0.26	43	-1.28	63	-2.91
4	2.29	24	0.11	44	-1.36	64	-3.17
5	2.13	25	-0.05	45	-1.27	65	-2.88
6	2.01	26	-0.17	46	-1.29	66	-2.61
7	1.95	27	-0.24	47	-1.15	67	-2.74
8	1.84	28	-0.28	48	-1.88	68	-2.88
9	1.76	29	-0.47	49	-1.65	69	-3.01
10	1.66	30	-0.60	50	-1.54	70	-3.61
11	1.54	31	-0.76	51	-1.33	71	-3.74
12	1.47	32	-0.65	52	-1.11	72	-4.28
13	1.42	33	-0.58	53	-1.07	73	-3.94
14	1.33	34	-1.56	54	-1.18	74	-3.75
15	1.21	35	-0.82	55	-1.41	75	-3.82
16	1.11	36	-0.95	56	-2.08	76	-4.01
17	1.02	37	-1.01	57	-1.91	77	-3.96
18	0.93	38	-1.06	58	-1.66	78	-3.96
19	0.82	39	-0.98	59	-1.84	79	-4.05
20	0.72	40	-1.12	60	-2.19	80	-4.36
1	0.49	6	0.28	11	0.56	16	0.70
2	0.53	7	0.42	12	0.63	17	0.70
3	0.43	8	0.39	13	0.63	18	0.51
4	0.37	9	0.42	14	0.62	19	0.45
5	0.32	10	0.50	15	0.66	20	0.50

7/20/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.48	41	-1.72	61	-1.77
2	2.54	22	0.38	42	-1.51	62	-1.98
3	2.40	23	0.25	43	-1.49	63	-2.69
4	2.22	24	0.13	44	-1.49	64	-3.48
5	2.11	25	0.04	45	-1.66	65	-3.30
6	2.00	26	-0.09	46	-1.82	66	-2.82
7	1.96	27	-0.18	47	-1.86	67	-2.97
8	1.84	28	-0.28	48	-2.39	68	-3.01
9	1.76	29	-0.34	49	-2.35	69	-3.16
10	1.64	30	-0.42	50	-1.92	70	-3.35
11	1.53	31	-0.63	51	-1.56	71	-4.07
12	1.47	32	-0.52	52	-1.35	72	-4.25
13	1.43	33	-0.57	53	-1.37	73	-3.80
14	1.35	34	-0.65	54	-1.46	74	-3.56
15	1.28	35	-0.71	55	-1.48	75	-3.56
16	1.22	36	-0.77	56	-2.12	76	-3.89
17	1.10	37	-0.85	57	-2.07	77	-3.75
18	0.94	38	-0.89	58	-1.77	78	-3.92
19	0.82	39	-0.95	59	-1.66	79	-4.17
20	0.70	40	-1.01	60	-1.69	80	-4.31
1	0.55	6	0.61	11	0.57	16	0.48
2	0.61	7	0.74	12	0.52	17	0.45
3	0.62	8	0.66	13	0.45	18	0.39
4	0.53	9	0.59	14	0.47	19	0.40
5	0.53	10	0.55	15	0.45	20	0.42

7/27/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.71	41	-1.95	61	-1.90
2	2.52	22	0.58	42	-1.36	62	-2.12
3	2.39	23	0.43	43	-1.05	63	-2.51
4	2.24	24	0.29	44	-1.07	64	-3.31
5	2.09	25	0.15	45	-1.07	65	-3.00
6	2.00	26	0.03	46	-1.20	66	-2.62
7	1.95	27	-0.06	47	-1.76	67	-3.04
8	1.81	28	-0.14	48	-2.32	68	-3.08
9	1.74	29	-0.22	49	-2.06	69	-3.32
10	1.62	30	-0.36	50	-1.52	70	-3.46
11	1.54	31	-0.88	51	-1.38	71	-3.69
12	1.46	32	-0.59	52	-1.35	72	-4.14
13	1.42	33	-0.52	53	-1.31	73	-3.55
14	1.35	34	-0.59	54	-1.32	74	-3.42
15	1.27	35	-0.61	55	-1.56	75	-3.55
16	1.22	36	-0.69	56	-2.19	76	-3.66
17	1.14	37	-0.74	57	-2.04	77	-3.69
18	1.08	38	-0.76	58	-1.66	78	-3.74
19	0.99	39	-0.79	59	-1.67	79	-3.99
20	0.86	40	-1.02	60	-1.76	80	-4.07
1	0.74	6	0.74	11	0.75	16	0.71
2	0.77	7	0.76	12	0.71	17	0.62
3	0.89	8	0.77	13	0.64	18	0.59
4	0.75	9	0.69	14	0.68	19	0.57
5	0.67	10	0.65	15	0.69	20	0.43

8/ 3/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.38	41	-3.00	61	-1.63
2	2.55	22	0.24	42	-2.33	62	-1.79
3	2.40	23	0.11	43	-1.89	63	-2.30
4	2.26	24	-0.01	44	-2.32	64	-3.15
5	2.13	25	-0.10	45	-2.09	65	-2.92
6	2.03	26	-0.21	46	-2.18	66	-2.47
7	1.95	27	-0.30	47	-2.30	67	-2.51
8	1.83	28	-0.36	48	-2.86	68	-2.67
9	1.73	29	-0.45	49	-2.21	69	-3.06
10	1.65	30	-0.49	50	-1.28	70	-3.24
11	1.57	31	-0.77	51	-1.22	71	-3.61
12	1.52	32	-0.76	52	-1.24	72	-4.15
13	1.48	33	-0.84	53	-1.26	73	-4.06
14	1.46	34	-0.97	54	-1.30	74	-3.30
15	1.40	35	-1.17	55	-1.37	75	-3.45
16	1.17	36	-1.42	56	-2.01	76	-3.64
17	0.98	37	-1.76	57	-2.26	77	-3.70
18	0.81	38	-1.70	58	-1.47	78	-3.94
19	0.65	39	-1.75	59	-1.54	79	-4.20
20	0.54	40	-2.18	60	-1.60	80	-4.23
1	0.30	6	0.34	11	0.30	16	0.42
2	0.38	7	0.35	12	0.38	17	0.45
3	0.38	8	0.29	13	0.39	18	0.45
4	0.34	9	0.25	14	0.41	19	0.38
5	0.31	10	0.22	15	0.41	20	0.41

8/10/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.73	21	0.35	41	-1.17	61	-1.71
2	2.56	22	0.28	42	-0.83	62	-1.71
3	2.36	23	0.18	43	-1.22	63	-2.16
4	2.22	24	0.16	44	-1.41	64	-2.29
5	2.09	25	-0.06	45	-1.66	65	-1.95
6	1.97	26	-0.23	46	-1.82	66	-2.05
7	1.89	27	-0.35	47	-2.36	67	-2.16
8	1.69	28	-0.56	48	-2.80	68	-2.39
9	1.58	29	-0.68	49	-2.35	69	-2.54
10	1.48	30	-0.86	50	-2.06	70	-2.83
11	1.34	31	-0.91	51	-1.96	71	-3.49
12	1.23	32	-0.87	52	-1.90	72	-3.98
13	1.13	33	-1.01	53	-1.96	73	-3.47
14	1.03	34	-1.10	54	-2.07	74	-3.41
15	0.92	35	-1.24	55	-2.16	75	-3.38
16	0.79	36	-1.42	56	-2.33	76	-3.46
17	0.64	37	-1.27	57	-1.81	77	-3.70
18	0.53	38	-1.16	58	-1.86	78	-4.05
19	0.43	39	-0.76	59	-1.35	79	-4.48
20	0.35	40	-0.95	60	-1.60	80	-4.86
1	0.53	6	0.47	11	0.26	16	0.17
2	0.45	7	0.50	12	0.23	17	0.12
3	0.44	8	0.55	13	0.18	18	0.13
4	0.43	9	0.52	14	0.20	19	0.12
5	0.40	10	0.60	15	0.19	20	0.09

8/24/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.74	21	0.16	41	-2.24	61	-2.34
2	2.58	22	0.08	42	-1.59	62	-2.48
3	2.44	23	0.02	43	-1.58	63	-2.62
4	2.28	24	-0.07	44	-1.76	64	-2.72
5	2.12	25	-0.13	45	-1.94	65	-2.40
6	1.96	26	-0.17	46	-1.98	66	-1.96
7	1.79	27	-0.23	47	-2.31	67	-2.00
8	1.61	28	-0.29	48	-2.76	68	-2.16
9	1.44	29	-0.37	49	-2.65	69	-3.28
10	1.33	30	-0.40	50	-2.44	70	-3.51
11	1.22	31	-0.76	51	-2.58	71	-3.70
12	1.10	32	-0.65	52	-2.53	72	-3.72
13	1.00	33	-0.66	53	-2.43	73	-3.45
14	0.91	34	-0.76	54	-2.16	74	-3.36
15	0.81	35	-0.94	55	-2.27	75	-3.51
16	0.69	36	-1.09	56	-2.81	76	-3.70
17	0.56	37	-1.29	57	-2.66	77	-3.86
18	0.47	38	-1.50	58	-2.40	78	-3.62
19	0.38	39	-1.90	59	-2.46	79	-4.34
20	0.29	40	-1.87	60	-2.42	80	-4.60
1	0.17	6	0.16	11	0.20	16	0.11
2	0.16	7	0.16	12	0.16	17	0.14
3	0.16	8	0.14	13	0.11	18	0.13
4	0.17	9	0.14	14	0.10	19	0.17
5	0.14	10	0.12	15	0.10	20	0.21

8/17/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.85	21	0.06	41	-2.26	61	-1.86
2	2.58	22	0.03	42	-1.84	62	-1.96
3	2.42	23	-0.09	43	-1.63	63	-1.96
4	2.30	24	-0.11	44	-1.71	64	-2.86
5	2.17	25	-0.17	45	-1.84	65	-2.84
6	2.02	26	-0.33	46	-2.06	66	-2.31
7	1.81	27	-0.36	47	-2.67	67	-2.16
8	1.58	28	-0.41	48	-3.28	68	-2.13
9	1.47	29	-0.50	49	-3.18	69	-2.21
10	1.34	30	-0.56	50	-2.26	70	-3.45
11	1.23	31	-1.01	51	-2.13	71	-3.11
12	1.12	32	-0.71	52	-2.13	72	-4.24
13	1.01	33	-0.77	53	-2.16	73	-4.24
14	0.91	34	-0.83	54	-2.26	74	-3.71
15	0.81	35	-0.92	55	-2.66	75	-3.36
16	0.68	36	-0.98	56	-3.66	76	-3.44
17	0.54	37	-1.01	57	-3.03	77	-3.51
18	0.44	38	-1.23	58	-2.25	78	-3.66
19	0.34	39	-1.30	59	-1.95	79	-4.69
20	0.23	40	-1.56	60	-1.88	80	-5.11
1	0.16	6	0.09	11	0.24	16	0.19
2	0.16	7	0.08	12	0.23	17	0.16
3	0.15	8	0.07	13	0.22	18	0.16
4	0.12	9	0.05	14	0.23	19	0.11
5	0.13	10	0.07	15	0.23	20	0.09

8/31/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.10	41	-2.66	61	-1.90
2	2.55	22	0.02	42	-2.59	62	-1.82
3	2.42	23	-0.10	43	-2.41	63	-2.00
4	2.26	24	-0.15	44	-2.50	64	-2.81
5	2.09	25	-0.24	45	-2.62	65	-2.73
6	1.94	26	-0.26	46	-2.66	66	-2.34
7	1.78	27	-0.28	47	-2.73	67	-2.34
8	1.64	28	-0.33	48	-2.78	68	-2.51
9	1.53	29	-0.38	49	-2.71	69	-2.66
10	1.40	30	-0.46	50	-2.30	70	-3.21
11	1.29	31	-0.75	51	-1.98	71	-3.38
12	1.18	32	-0.55	52	-1.74	72	-3.42
13	1.07	33	-0.66	53	-1.65	73	-3.96
14	0.94	34	-0.76	54	-1.91	74	-3.69
15	0.81	35	-0.86	55	-2.26	75	-3.80
16	0.67	36	-1.13	56	-2.61	76	-3.86
17	0.52	37	-1.30	57	-2.61	77	-4.14
18	0.41	38	-1.31	58	-2.11	78	-4.32
19	0.31	39	-1.58	59	-1.93	79	-4.38
20	0.21	40	-2.28	60	-1.94	80	-4.27
1	0.13	6	0.05	11	0.09	16	0.16
2	0.09	7	0.09	12	0.08	17	0.16
3	0.09	8	0.12	13	0.07	18	0.14
4	0.08	9	0.14	14	0.09	19	0.15
5	0.07	10	0.17	15	0.13	20	0.13

9/ 7/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.38	41	-2.49	61	-1.94
2	2.55	22	0.29	42	-1.91	62	-2.21
3	2.40	23	0.22	43	-1.31	63	-2.63
4	2.25	24	0.13	44	-1.26	64	-3.10
5	2.08	25	0.05	45	-1.23	65	-2.91
6	1.91	26	-0.03	46	-1.45	66	-2.45
7	1.74	27	-0.10	47	-1.80	67	-2.61
8	1.62	28	-0.19	48	-2.56	68	-2.84
9	1.51	29	-0.31	49	-2.06	69	-3.01
10	1.37	30	-0.61	50	-1.28	70	-3.24
11	1.30	31	-0.98	51	-1.24	71	-3.75
12	1.23	32	-0.94	52	-1.17	72	-4.16
13	1.18	33	-0.94	53	-1.17	73	-3.82
14	1.11	34	-0.87	54	-1.18	74	-3.56
15	1.03	35	-1.08	55	-1.30	75	-3.71
16	0.93	36	-0.93	56	-1.87	76	-3.86
17	0.83	37	-0.98	57	-1.87	77	-4.00
18	0.74	38	-1.47	58	-1.55	78	-4.02
19	0.64	39	-1.55	59	-1.64	79	-4.34
20	0.53	40	-2.00	60	-1.79	80	-4.53
1	0.46	6	0.52	11	0.40	16	0.34
2	0.52	7	0.48	12	0.34	17	0.34
3	0.56	8	0.42	13	0.32	18	0.45
4	0.60	9	0.37	14	0.37	19	0.39
5	0.61	10	0.32	15	0.32	20	0.42

9/21/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.52	41	-2.95	61	-1.85
2	2.59	22	-0.84	42	-2.64	62	-1.96
3	2.44	23	-1.08	43	-2.25	63	-2.30
4	2.24	24	-1.16	44	-2.27	64	-2.80
5	2.14	25	-1.07	45	-1.89	65	-2.81
6	2.03	26	-1.25	46	-1.75	66	-2.75
7	1.91	27	-1.25	47	-1.96	67	-3.00
8	1.78	28	-1.32	48	-2.52	68	-3.24
9	1.71	29	-1.38	49	-2.21	69	-3.67
10	1.66	30	-2.04	50	-2.10	70	-3.75
11	1.57	31	-2.32	51	-2.07	71	-3.89
12	1.47	32	-2.03	52	-2.16	72	-4.38
13	1.35	33	-2.25	53	-2.28	73	-4.16
14	1.24	34	-2.25	54	-2.15	74	-4.10
15	1.05	35	-2.30	55	-2.38	75	-4.25
16	0.78	36	-2.37	56	-2.46	76	-4.06
17	0.52	37	-2.48	57	-2.22	77	-4.35
18	0.34	38	-2.51	58	-1.81	78	-4.29
19	0.12	39	-2.54	59	-1.72	79	-4.47
20	-0.09	40	-2.46	60	-1.76	80	-4.51
1	0.90	6	1.20	11	1.17	16	1.59
2	0.92	7	1.30	12	1.10	17	1.72
3	0.94	8	1.29	13	1.27	18	1.64
4	1.12	9	1.22	14	1.48	19	1.58
5	1.18	10	1.30	15	1.41	20	1.34

9/14/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.24	41	-2.48	61	-1.96
2	2.54	22	0.08	42	-2.14	62	-2.73
3	2.39	23	-0.13	43	-2.00	63	-3.48
4	2.25	24	-0.39	44	-1.98	64	-4.08
5	2.10	25	-0.68	45	-1.95	65	-3.81
6	1.99	26	-0.88	46	-1.79	66	-3.25
7	1.89	27	-1.08	47	-1.47	67	-3.24
8	1.77	28	-1.26	48	-2.10	68	-3.35
9	1.66	29	-1.31	49	-1.70	69	-3.69
10	1.55	30	-1.42	50	-1.56	70	-4.16
11	1.45	31	-1.87	51	-1.63	71	-4.37
12	1.34	32	-2.01	52	-1.69	72	-4.62
13	1.27	33	-2.16	53	-1.46	73	-4.49
14	1.23	34	-2.25	54	-1.43	74	-3.97
15	1.23	35	-2.37	55	-1.64	75	-4.00
16	1.15	36	-2.39	56	-1.91	76	-4.04
17	1.10	37	-1.91	57	-2.06	77	-4.31
18	1.02	38	-2.07	58	-1.65	78	-4.51
19	0.74	39	-1.79	59	-1.64	79	-4.67
20	0.51	40	-1.73	60	-1.67	80	-4.94
1	0.18	6	0.05	11	0.20	16	0.68
2	0.12	7	-0.01	12	0.30	17	0.69
3	0.04	8	-0.01	13	0.35	18	0.74
4	-0.03	9	-0.06	14	0.44	19	0.67
5	-0.01	10	-0.11	15	0.46	20	0.73

9/28/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.03	41	-2.14	61	-2.67
2	2.57	22	-0.24	42	-0.96	62	-2.83
3	2.45	23	-0.44	43	-0.76	63	-3.18
4	2.30	24	-0.82	44	-0.79	64	-3.66
5	2.16	25	-0.84	45	-0.87	65	-3.54
6	2.03	26	-1.05	46	-1.12	66	-3.37
7	1.91	27	-1.34	47	-1.20	67	-3.31
8	1.81	28	-1.39	48	-1.43	68	-3.36
9	1.75	29	-1.26	49	-1.14	69	-3.59
10	1.68	30	-1.45	50	-1.40	70	-3.99
11	1.49	31	-2.17	51	-1.49	71	-4.30
12	1.26	32	-1.79	52	-1.64	72	-4.54
13	1.08	33	-1.72	53	-1.69	73	-4.36
14	0.95	34	-1.77	54	-1.80	74	-4.02
15	0.83	35	-1.86	55	-2.04	75	-3.95
16	0.67	36	-1.94	56	-2.16	76	-4.04
17	0.49	37	-2.03	57	-2.15	77	-4.32
18	0.32	38	-2.04	58	-2.11	78	-4.49
19	0.25	39	-2.03	59	-2.28	79	-4.74
20	0.15	40	-2.17	60	-2.30	80	-4.75
1	-0.07	6	-0.08	11	-0.08	16	0.35
2	-0.06	7	-0.04	12	-0.03	17	0.39
3	-0.10	8	-0.01	13	0.08	18	0.42
4	-0.08	9	-0.01	14	0.23	19	0.37
5	-0.06	10	0.0	15	0.33	20	0.32

10/ 5/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.0	41	-2.08	61	-2.76
2	2.57	22	0.03	42	-1.81	62	-3.16
3	2.40	23	-0.06	43	-1.65	63	-3.89
4	2.24	24	-0.17	44	-1.75	64	-4.25
5	2.12	25	-0.25	45	-1.74	65	-4.26
6	2.00	26	-0.31	46	-1.55	66	-4.26
7	1.92	27	-0.41	47	-1.77	67	-4.27
8	1.83	28	-0.51	48	-2.41	68	-4.26
9	1.69	29	-0.57	49	-2.06	69	-4.26
10	1.55	30	-0.88	50	-1.54	70	-4.46
11	1.42	31	-1.18	51	-1.60	71	-4.36
12	1.29	32	-1.02	52	-1.38	72	-4.60
13	1.16	33	-0.83	53	-1.35	73	-4.75
14	1.03	34	-0.87	54	-1.48	74	-4.31
15	0.90	35	-0.88	55	-1.95	75	-4.04
16	0.74	36	-0.92	56	-2.66	76	-3.98
17	0.59	37	-0.96	57	-2.78	77	-3.99
18	0.44	38	-0.95	58	-2.34	78	-4.08
19	0.33	39	-0.98	59	-2.37	79	-4.61
20	0.22	40	-1.26	60	-2.52	80	-4.99
1	0.04	6	0.08	11	0.18	16	0.29
2	0.04	7	0.08	12	0.20	17	0.27
3	0.08	8	0.09	13	0.21	18	0.27
4	0.0	9	0.17	14	0.29	19	0.28
5	0.03	10	0.18	15	0.24	20	0.24

10/19/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	0.03	41	-1.57	61	-1.49
2	2.57	22	-0.12	42	-1.05	62	-1.49
3	2.47	23	-0.30	43	-1.09	63	-1.88
4	2.27	24	-0.23	44	-1.23	64	-2.67
5	2.22	25	-0.37	45	-1.34	65	-2.88
6	2.06	26	-0.42	46	-1.56	66	-2.88
7	1.89	27	-0.58	47	-1.90	67	-3.63
8	1.77	28	-0.70	48	-2.08	68	-3.92
9	1.64	29	-1.10	49	-2.04	69	-3.99
10	1.51	30	-1.36	50	-1.68	70	-3.99
11	1.36	31	-1.65	51	-1.45	71	-4.22
12	1.21	32	-1.08	52	-1.46	72	-4.37
13	1.06	33	-0.96	53	-1.24	73	-4.36
14	0.91	34	-0.88	54	-1.42	74	-3.93
15	0.78	35	-0.86	55	-1.29	75	-3.99
16	0.65	36	-0.91	56	-2.03	76	-4.28
17	0.51	37	-0.94	57	-2.41	77	-4.66
18	0.39	38	-1.13	58	-2.14	78	-4.67
19	0.26	39	-1.24	59	-1.80	79	-4.72
20	0.21	40	-1.47	60	-1.78	80	-4.77
1	-0.04	6	-0.02	11	0.11	16	0.22
2	-0.02	7	0.01	12	0.18	17	0.19
3	0.0	8	0.05	13	0.22	18	0.17
4	-0.03	9	-0.06	14	0.24	19	0.14
5	-0.06	10	-0.01	15	0.22	20	0.05

10/12/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	0.13	41	-2.40	61	-2.40
2	2.55	22	0.23	42	-1.96	62	-3.49
3	2.43	23	0.14	43	-1.50	63	-4.11
4	2.28	24	0.04	44	-1.54	64	-4.31
5	2.15	25	-0.03	45	-1.42	65	-3.96
6	2.04	26	-0.14	46	-1.46	66	-3.86
7	1.95	27	-0.27	47	-1.52	67	-3.97
8	1.84	28	-0.34	48	-2.36	68	-3.36
9	1.67	29	-0.42	49	-2.26	69	-4.16
10	1.52	30	-0.51	50	-1.71	70	-4.51
11	1.41	31	-1.27	51	-1.58	71	-4.46
12	1.28	32	-0.98	52	-1.49	72	-4.59
13	1.14	33	-0.76	53	-1.56	73	-4.55
14	1.01	34	-0.88	54	-1.55	74	-4.20
15	0.88	35	-0.94	55	-1.81	75	-4.16
16	0.76	36	-0.90	56	-2.60	76	-4.13
17	0.64	37	-0.98	57	-2.62	77	-4.42
18	0.54	38	-1.03	58	-2.08	78	-4.49
19	0.45	39	-1.02	59	-1.97	79	-4.57
20	0.37	40	-1.31	60	-1.96	80	-4.96
1	0.77	6	0.78	11	0.89	16	0.96
2	0.76	7	0.80	12	0.92	17	0.89
3	0.74	8	0.72	13	0.99	18	0.81
4	0.70	9	0.71	14	1.02	19	0.79
5	0.75	10	0.72	15	1.03	20	0.67

10/26/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.18	41	-1.58	61	-1.78
2	2.54	22	0.03	42	-1.20	62	-1.80
3	2.38	23	-0.28	43	-1.26	63	-2.28
4	2.31	24	-0.50	44	-1.34	64	-3.01
5	2.21	25	-0.56	45	-1.47	65	-3.08
6	2.05	26	-0.79	46	-1.65	66	-2.74
7	1.93	27	-0.82	47	-1.98	67	-2.92
8	1.80	28	-1.12	48	-2.22	68	-3.50
9	1.66	29	-0.76	49	-1.39	69	-3.82
10	1.52	30	-0.69	50	-1.46	70	-3.82
11	1.36	31	-1.26	51	-1.42	71	-4.16
12	1.24	32	-0.67	52	-1.43	72	-4.30
13	1.10	33	-0.66	53	-1.66	73	-4.14
14	0.99	34	-0.69	54	-1.62	74	-3.97
15	0.92	35	-0.73	55	-2.03	75	-4.07
16	0.79	36	-0.77	56	-2.69	76	-4.48
17	0.56	37	-0.86	57	-2.56	77	-4.67
18	0.45	38	-1.07	58	-2.10	78	-4.71
19	0.38	39	-1.26	59	-1.79	79	-4.71
20	0.32	40	-1.39	60	-1.71	80	-4.72
1	0.68	6	0.74	11	0.83	16	0.78
2	0.72	7	0.69	12	0.81	17	0.84
3	0.68	8	0.83	13	0.84	18	0.83
4	0.70	9	0.71	14	0.82	19	0.84
5	0.70	10	0.70	15	0.79	20	0.68

11/ 2/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	-0.09	41	-1.54	61	-3.21
2	2.55	22	-0.10	42	-1.18	62	-3.47
3	2.44	23	-0.16	43	-1.02	63	-3.80
4	2.31	24	-0.22	44	-1.04	64	-4.04
5	2.19	25	-0.47	45	-1.08	65	-4.26
6	2.08	26	-0.67	46	-1.16	66	-3.74
7	1.95	27	-0.60	47	-1.29	67	-3.67
8	1.77	28	-0.56	48	-2.02	68	-4.06
9	1.59	29	-0.59	49	-1.68	69	-4.41
10	1.44	30	-0.70	50	-1.42	70	-4.37
11	1.26	31	-1.54	51	-1.38	71	-4.42
12	1.12	32	-1.35	52	-1.55	72	-4.50
13	0.97	33	-0.77	53	-1.71	73	-4.87
14	0.84	34	-0.68	54	-2.17	74	-4.51
15	0.71	35	-0.70	55	-2.50	75	-4.42
16	0.50	36	-0.70	56	-3.09	76	-4.52
17	0.41	37	-0.75	57	-3.06	77	-4.54
18	0.30	38	-0.74	58	-2.60	78	-4.72
19	0.13	39	-0.81	59	-2.61	79	-4.89
20	0.12	40	-0.94	60	-2.79	80	-4.97
1	0.51	6	0.68	11	0.65	16	0.76
2	0.58	7	0.70	12	0.73	17	0.80
3	0.64	8	0.73	13	0.80	18	0.77
4	0.70	9	0.80	14	0.84	19	0.77
5	0.68	10	0.84	15	0.87	20	0.69

11/16/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	-0.27	41	-1.80	61	-2.85
2	2.59	22	-0.04	42	-1.36	62	-3.02
3	2.42	23	-0.10	43	-1.05	63	-3.27
4	2.30	24	-0.16	44	-0.98	64	-3.98
5	2.20	25	-0.22	45	-0.99	65	-3.65
6	2.05	26	-0.28	46	-1.00	66	-3.26
7	1.91	27	-0.38	47	-1.00	67	-3.20
8	1.75	28	-0.40	48	-1.48	68	-3.29
9	1.56	29	-0.50	49	-1.22	69	-3.48
10	1.37	30	-0.57	50	-1.17	70	-3.99
11	1.22	31	-1.56	51	-1.26	71	-4.37
12	1.10	32	-0.79	52	-1.26	72	-4.50
13	0.97	33	-0.64	53	-1.79	73	-4.57
14	0.86	34	-0.65	54	-1.91	74	-4.14
15	0.73	35	-0.68	55	-2.10	75	-4.06
16	0.60	36	-0.72	56	-2.36	76	-4.09
17	0.48	37	-0.75	57	-2.33	77	-4.21
18	0.32	38	-0.78	58	-2.16	78	-4.38
19	0.25	39	-0.87	59	-2.29	79	-4.57
20	0.13	40	-1.06	60	-2.51	80	-4.88
1	0.62	6	0.65	11	0.57	16	0.48
2	0.69	7	0.62	12	0.45	17	0.48
3	0.68	8	0.61	13	0.37	18	0.50
4	0.66	9	0.57	14	0.39	19	0.51
5	0.69	10	0.53	15	0.42	20	0.51

11/ 9/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.73	21	-0.82	41	-2.31	61	-2.36
2	2.59	22	-0.70	42	-1.91	62	-2.43
3	2.47	23	-0.64	43	-1.89	63	-3.24
4	2.33	24	-0.79	44	-1.79	64	-3.63
5	2.24	25	-0.82	45	-1.78	65	-3.57
6	2.11	26	-0.98	46	-1.99	66	-3.51
7	1.95	27	-1.44	47	-1.98	67	-3.61
8	1.72	28	-1.34	48	-2.09	68	-3.46
9	1.57	29	-1.76	49	-1.87	69	-3.79
10	1.38	30	-1.90	50	-1.86	70	-4.31
11	1.25	31	-1.92	51	-1.84	71	-4.48
12	1.11	32	-1.00	52	-1.76	72	-4.44
13	1.06	33	-0.87	53	-1.69	73	-4.66
14	1.04	34	-0.81	54	-1.83	74	-3.96
15	0.94	35	-0.96	55	-1.92	75	-4.21
16	0.71	36	-0.86	56	-2.36	76	-4.48
17	0.44	37	-0.96	57	-2.18	77	-4.55
18	0.13	38	-0.89	58	-1.81	78	-4.81
19	-0.33	39	-1.16	59	-1.96	79	-4.80
20	-0.56	40	-1.64	60	-2.16	80	-4.85
1	0.65	6	0.73	11	0.67	16	0.69
2	0.58	7	0.78	12	0.81	17	0.66
3	0.53	8	0.71	13	0.73	18	0.62
4	0.60	9	0.76	14	0.72	19	0.64
5	0.68	10	0.65	15	0.71	20	0.57

11/23/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.07	41	-1.27	61	-2.88
2	2.58	22	0.04	42	-1.03	62	-3.19
3	2.43	23	-0.06	43	-1.05	63	-3.59
4	2.28	24	-0.33	44	-0.93	64	-4.21
5	2.19	25	-0.39	45	-0.93	65	-3.88
6	2.07	26	-0.43	46	-0.91	66	-3.27
7	1.88	27	-0.44	47	-0.93	67	-3.17
8	1.75	28	-0.39	48	-1.45	68	-3.35
9	1.58	29	-0.51	49	-1.22	69	-3.48
10	1.44	30	-0.52	50	-1.01	70	-4.02
11	1.30	31	-1.14	51	-1.12	71	-4.36
12	1.16	32	-1.08	52	-1.26	72	-4.59
13	1.03	33	-1.05	53	-1.51	73	-4.42
14	0.90	34	-1.35	54	-1.72	74	-4.18
15	0.77	35	-1.44	55	-2.17	75	-4.16
16	0.67	36	-1.04	56	-2.95	76	-4.32
17	0.57	37	-0.97	57	-2.49	77	-4.53
18	0.44	38	-0.97	58	-2.41	78	-4.61
19	0.31	39	-0.70	59	-2.49	79	-4.82
20	0.17	40	-0.89	60	-2.65	80	-5.00
1	0.66	6	0.66	11	0.71	16	0.77
2	0.65	7	0.58	12	0.74	17	0.74
3	0.66	8	0.55	13	0.77	18	0.76
4	0.68	9	0.52	14	0.78	19	0.71
5	0.67	10	0.51	15	0.75	20	0.59

11/30/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	0.17	41	-0.94	61	-3.09
2	2.59	22	0.13	42	-0.74	62	-3.40
3	2.44	23	0.06	43	-0.87	63	-3.43
4	2.29	24	-0.03	44	-1.08	64	-3.78
5	2.21	25	-0.06	45	-1.17	65	-3.49
6	2.07	26	-0.12	46	-1.36	66	-3.28
7	1.91	27	-0.15	47	-1.51	67	-3.30
8	1.76	28	-0.17	48	-1.62	68	-3.47
9	1.59	29	-0.20	49	-1.36	69	-3.82
10	1.44	30	-0.28	50	-1.51	70	-4.26
11	1.30	31	-0.79	51	-1.67	71	-4.33
12	1.19	32	-0.39	52	-1.91	72	-4.54
13	1.11	33	-0.48	53	-2.17	73	-4.21
14	1.00	34	-0.48	54	-2.36	74	-4.04
15	0.90	35	-0.46	55	-2.52	75	-4.25
16	0.78	36	-0.48	56	-2.73	76	-4.38
17	0.64	37	-0.53	57	-2.80	77	-4.44
18	0.53	38	-0.55	58	-2.84	78	-4.50
19	0.42	39	-0.72	59	-2.97	79	-4.54
20	0.31	40	-0.83	60	-3.06	80	-4.70
1	0.22	6	0.15	11	0.21	16	0.14
2	0.22	7	0.14	12	0.15	17	0.10
3	0.18	8	0.14	13	0.13	18	0.15
4	0.16	9	0.13	14	0.13	19	0.17
5	0.15	10	0.10	15	0.12	20	0.18

12/14/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.69	21	0.33	41	-1.42	61	-3.20
2	2.57	22	0.35	42	-1.06	62	-3.34
3	2.40	23	0.24	43	-0.98	63	-3.40
4	2.28	24	0.08	44	-1.05	64	-3.62
5	2.20	25	-0.09	45	-1.16	65	-3.41
6	2.04	26	-0.17	46	-1.52	66	-3.41
7	1.89	27	-0.26	47	-1.67	67	-3.48
8	1.77	28	-0.21	48	-1.86	68	-3.59
9	1.57	29	-0.19	49	-1.69	69	-3.92
10	1.42	30	-0.27	50	-1.73	70	-4.06
11	1.28	31	-0.89	51	-1.87	71	-4.17
12	1.18	32	-0.48	52	-2.24	72	-4.21
13	1.09	33	-0.38	53	-2.32	73	-4.18
14	1.00	34	-0.47	54	-2.42	74	-4.17
15	0.97	35	-0.54	55	-2.68	75	-4.23
16	0.98	36	-0.57	56	-2.84	76	-4.26
17	0.91	37	-0.61	57	-2.68	77	-4.33
18	0.83	38	-0.65	58	-2.77	78	-4.34
19	0.67	39	-0.79	59	-2.92	79	-4.29
20	0.55	40	-0.96	60	-2.98	80	-4.27
1	0.36	6	0.47	11	0.39	16	0.47
2	0.41	7	0.43	12	0.42	17	0.44
3	0.46	8	0.39	13	0.46	18	0.49
4	0.46	9	0.37	14	0.40	19	0.46
5	0.47	10	0.37	15	0.38	20	0.46

12/ 7/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.34	41	-1.53	61	-3.29
2	2.58	22	0.24	42	-1.02	62	-3.46
3	2.42	23	0.14	43	-0.86	63	-3.57
4	2.30	24	0.08	44	-0.84	64	-3.66
5	2.22	25	0.01	45	-0.95	65	-3.48
6	2.05	26	-0.06	46	-1.11	66	-3.37
7	1.90	27	-0.13	47	-1.56	67	-3.44
8	1.77	28	-0.17	48	-2.02	68	-3.55
9	1.58	29	-0.22	49	-1.69	69	-3.86
10	1.43	30	-0.47	50	-1.81	70	-4.15
11	1.29	31	-0.76	51	-2.08	71	-4.34
12	1.18	32	-0.54	52	-2.37	72	-4.38
13	1.09	33	-0.56	53	-2.64	73	-4.24
14	1.00	34	-0.67	54	-2.69	74	-4.11
15	0.94	35	-0.59	55	-2.79	75	-4.20
16	0.92	36	-0.61	56	-2.84	76	-4.34
17	0.86	37	-0.64	57	-2.87	77	-4.41
18	0.78	38	-0.65	58	-2.87	78	-4.44
19	0.62	39	-0.81	59	-2.82	79	-4.44
20	0.50	40	-0.89	60	-3.09	80	-4.49
1	0.34	6	0.30	11	0.28	16	0.28
2	0.32	7	0.32	12	0.30	17	0.23
3	0.37	8	0.25	13	0.28	18	0.26
4	0.35	9	0.30	14	0.29	19	0.23
5	0.30	10	0.30	15	0.29	20	0.24

12/21/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	-0.11	41	-1.22	61	-3.96
2	2.58	22	-0.17	42	-1.37	62	-3.97
3	2.43	23	-0.35	43	-1.62	63	-4.08
4	2.31	24	-0.69	44	-1.61	64	-4.26
5	2.19	25	-0.73	45	-1.83	65	-4.21
6	2.00	26	-0.56	46	-1.90	66	-3.82
7	1.83	27	-0.57	47	-2.06	67	-3.66
8	1.66	28	-0.43	48	-2.06	68	-3.67
9	1.51	29	-0.42	49	-2.26	69	-3.82
10	1.35	30	-0.62	50	-2.33	70	-4.14
11	1.22	31	-0.89	51	-2.53	71	-4.30
12	1.10	32	-0.26	52	-2.82	72	-4.42
13	0.98	33	-0.23	53	-2.89	73	-4.27
14	0.83	34	-0.20	54	-3.27	74	-3.66
15	0.69	35	-0.26	55	-3.60	75	-3.33
16	0.49	36	-0.37	56	-3.92	76	-3.15
17	0.36	37	-0.41	57	-3.83	77	-3.26
18	0.31	38	-0.66	58	-3.47	78	-3.40
19	0.21	39	-0.87	59	-3.51	79	-3.59
20	0.13	40	-1.03	60	-3.98	80	-3.56
1	0.54	6	0.50	11	0.53	16	0.80
2	0.51	7	0.52	12	0.55	17	0.71
3	0.55	8	0.59	13	0.55	18	0.73
4	0.53	9	0.57	14	0.63	19	0.70
5	0.53	10	0.56	15	0.69	20	0.65

12/28/1989

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.68	21	-0.21	41	-1.55	61	-3.40
2	2.58	22	-0.08	42	-1.21	62	-3.17
3	2.43	23	-0.08	43	-1.24	63	-3.32
4	2.31	24	-0.23	44	-1.49	64	-4.34
5	2.17	25	-0.26	45	-1.43	65	-4.17
6	2.00	26	-0.32	46	-1.37	66	-3.64
7	1.84	27	-0.34	47	-1.50	67	-3.32
8	1.69	28	-0.38	48	-2.03	68	-3.26
9	1.55	29	-0.53	49	-1.56	69	-3.20
10	1.41	30	-0.69	50	-1.41	70	-3.24
11	1.29	31	-1.71	51	-1.51	71	-3.45
12	1.14	32	-1.24	52	-1.65	72	-4.18
13	1.01	33	-1.09	53	-1.82	73	-3.66
14	0.86	34	-1.12	54	-2.08	74	-2.86
15	0.72	35	-1.05	55	-2.58	75	-2.62
16	0.58	36	-1.06	56	-3.56	76	-2.50
17	0.44	37	-1.06	57	-3.52	77	-2.44
18	0.34	38	-1.05	58	-3.13	78	-2.48
19	0.24	39	-1.06	59	-3.13	79	-2.90
20	0.08	40	-1.15	60	-3.30	80	-3.17
1	0.59	6	0.63	11	0.60	16	0.60
2	0.68	7	0.60	12	0.61	17	0.69
3	0.73	8	0.61	13	0.63	18	0.75
4	0.76	9	0.63	14	0.62	19	0.73
5	0.69	10	0.66	15	0.57	20	0.64

3.3 Summarized Data of Wave Directions

The following table summarizes the results of the measurement of wave direction from on top of the sand dune. Wave direction has a positive sign when measured counterclockwise from the East. In the tables, months are expressed by the number of 1 through 12 instead of January through December, and the results of the observations between January 4, 1985 and December 28, 1989 are summarized.

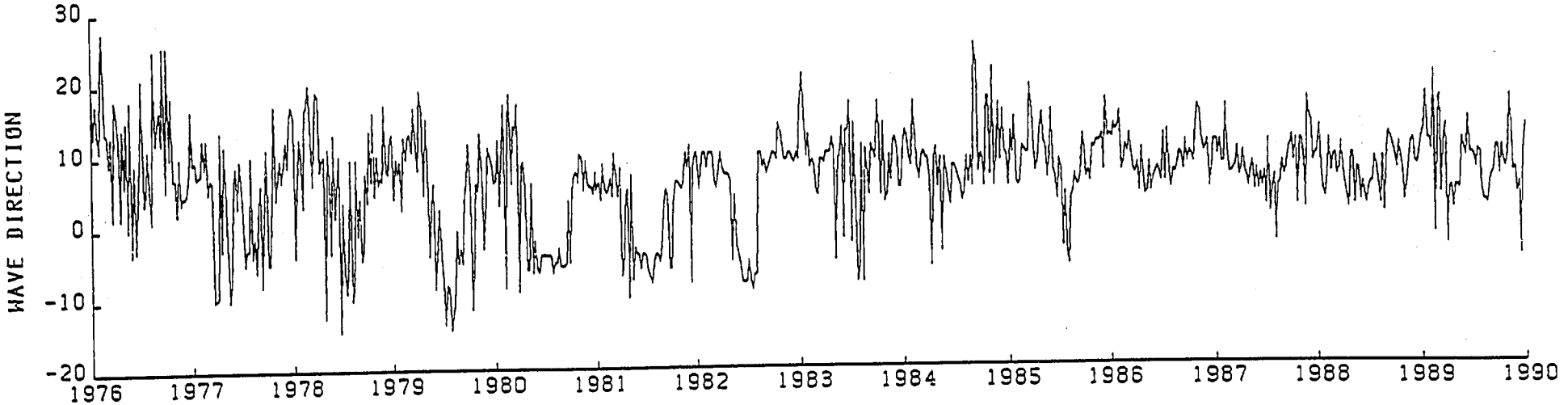
DATE	1976 THETA	DATE	1977 THETA	DATE	1978 THETA	DATE	1979 THETA	DATE	1980 THETA
1/ 1	24.0	1/ 6	9.5	1/ 5	-4.0	1/ 4	4.0	1/ 4	6.5
1/ 8	13.0	1/13	7.0	1/12	5.0	1/11	9.5	1/10	12.0
1/15	17.5	1/20	7.5	1/19	12.5	1/18	7.4	1/17	3.0
1/22	13.5	1/27	7.5	1/26	10.5	1/25	9.1	1/24	11.0
1/29	11.0	2/ 3	12.5	2/ 2	3.0	2/ 1	2.5	1/31	17.0
2/ 5	23.5	2/10	8.5	2/ 9	16.5	2/ 8	12.5	2/ 7	-8.5
2/12	27.5	2/17	12.5	2/16	17.0	2/15	9.5	2/14	14.0
2/19	13.5	2/24	5.0	2/23	20.0	2/22	12.5	2/21	18.5
2/26	13.5	3/ 3	7.0	3/ 2	14.5	3/ 1	13.0	2/28	6.0
3/ 4	9.0	3/10	6.5	3/ 9	6.0	3/ 8	10.5	3/ 6	14.0
3/11	13.0	3/17	-10.0	3/16	13.0	3/15	16.5	3/13	13.5
3/18	1.5	3/24	-9.8	3/23	19.0	3/22	11.0	3/20	17.0
3/25	18.0	3/31	-9.5	3/30	18.5	3/29	8.0	3/27	-9.0
3/31	16.5	4/ 7	13.5	4/ 6	8.0	4/ 5	19.0	4/ 3	8.5
4/ 8	12.5	4/14	-3.0	4/13	9.5	4/12	16.0	4/10	9.0
4/15	1.5	4/21	11.5	4/20	10.0	4/19	4.5	4/17	5.5
4/22	14.0	4/28	6.0	4/27	-12.5	4/26	15.0	4/24	-6.0
4/29	6.0	5/ 5	-2.0	5/ 4	11.0	5/ 3	7.5	5/ 1	-6.0
5/ 6	15.0	5/12	-10.0	5/11	7.0	5/10	-4.0	5/ 8	6.0
5/13	0.0	5/19	-7.5	5/18	-3.5	5/17	3.5	5/15	-6.5
5/20	18.0	5/26	6.5	5/25	13.0	5/24	6.0	5/22	-2.0
5/27	-3.5	6/ 2	8.5	6/ 1	1.5	5/31	-8.5	5/29	-6.0
6/ 3	9.0	6/ 9	3.0	6/ 8	6.5	6/ 7	-2.5	6/ 5	-6.5
6/10	-3.0	6/16	9.5	6/15	10.0	6/14	2.5	6/12	-4.0
6/17	5.0	6/23	6.5	6/22	-14.5	6/21	-4.0	6/19	-4.0
6/24	11.0	6/30	2.0	6/29	3.5	6/28	-7.5	6/26	-4.0
7/ 1	21.0	7/ 7	-5.0	7/ 6	-6.0	7/ 5	-13.5	7/ 3	-4.0
7/ 8	3.5	7/14	-3.0	7/13	-9.0	7/12	-8.0	7/10	-4.0
7/15	5.0	7/21	-3.0	7/20	-3.5	7/19	-8.5	7/17	-4.0
7/22	11.0	7/28	10.0	7/27	9.5	7/26	-14.3	7/24	-6.5
7/29	4.5	8/ 4	-4.0	8/ 3	-10.0	8/ 1	-13.0	7/31	-5.0
8/ 5	1.0	8/11	-1.5	8/10	-8.5	8/ 9	-10.5	8/ 7	-5.0
8/12	25.0	8/18	-6.0	8/17	9.5	8/16	-0.5	8/14	-3.0
8/19	12.0	8/25	3.5	8/24	-1.0	8/23	-5.0	8/21	-5.5
8/26	14.3	9/ 1	6.0	8/31	4.0	8/30	-3.0	8/28	-5.5
9/ 2	16.5	9/ 8	-8.0	9/ 7	-4.5	9/ 6	-5.0	9/ 4	-5.5
9/ 9	12.0	9/15	4.0	9/14	-3.5	9/13	3.5	9/11	-5.0
9/16	25.5	9/22	11.0	9/21	7.5	9/20	7.0	9/18	3.5
9/23	5.5	9/29	-5.0	9/28	3.5	9/27	11.5	9/25	-5.0
9/30	25.5	10/ 6	-5.0	10/ 5	13.5	10/ 4	4.5	10/ 2	5.0
10/ 7	10.0	10/13	3.5	10/12	6.5	10/11	-11.5	10/ 9	7.0
10/14	18.5	10/20	17.0	10/19	16.0	10/18	-6.5	10/16	7.5
10/21	7.0	10/27	4.0	10/26	4.5	10/24	6.0	10/23	6.0
10/28	7.0	11/ 3	6.5	11/ 2	10.0	11/ 1	5.0	10/30	10.0
11/ 4	2.0	11/10	9.5	11/ 9	6.0	11/ 8	13.0	11/ 6	9.5
11/11	10.0	11/17	6.5	11/16	7.0	11/15	7.5	11/13	5.0
11/18	3.5	11/24	9.0	11/23	6.5	11/22	-3.0	11/20	9.0
11/25	4.5	12/ 1	12.0	11/30	17.0	11/30	3.5	11/27	6.0
12/ 2	4.5	12/ 8	8.5	12/ 7	8.0	12/ 6	11.0	12/ 4	5.5
12/ 9	5.0	12/15	15.5	12/14	7.5	12/13	10.0	12/11	5.5
12/16	8.0	12/22	17.0	12/21	12.5	12/20	8.5	12/18	4.5
12/23	16.5	12/29	15.5	12/28	13.0	12/27	6.0	12/26	7.5
12/30	9.1							12/29	5.0

DATE	1981 THETA	DATE	1982 THETA	DATE	1983 THETA	DATE	1984 THETA	DATE	1985 THETA
1/ 8	6.0	1/ 7	5.0	1/ 6	21.0	1/ 5	13.0	1/ 4	12.5
1/15	3.5	1/14	8.0	1/13	15.0	1/12	12.0	1/10	9.5
1/22	8.5	1/21	10.0	1/20	9.5	1/19	9.0	1/17	14.5
1/29	5.5	1/28	10.0	1/27	12.5	1/26	8.0	1/24	5.5
2/ 5	4.5	2/ 4	8.0	2/ 3	8.0	2/ 2	17.0	1/31	5.0
2/12	5.0	2/11	10.0	2/10	9.0	2/ 9	12.0	2/ 7	5.5
2/19	6.5	2/18	10.0	2/17	8.0	2/16	8.0	2/14	10.5
2/26	4.0	2/25	10.0	2/24	4.3	2/23	6.0	2/21	10.0
3/ 5	10.0	3/ 4	6.0	3/ 3	4.0	3/ 1	9.0	2/28	9.5
3/12	6.5	3/11	5.0	3/10	9.0	3/ 8	10.0	3/ 7	9.5
3/19	4.0	3/18	7.0	3/17	9.0	3/15	9.0	3/14	19.0
3/26	8.0	3/25	10.0	3/24	8.5	3/22	9.0	3/21	15.0
4/ 2	-7.0	4/ 1	8.0	3/31	10.0	3/29	6.0	3/28	10.0
4/ 9	-6.0	4/ 8	7.0	4/ 7	10.0	4/ 5	-6.0	4/ 4	7.0
4/16	4.0	4/15	7.0	4/14	10.0	4/12	9.0	4/11	8.5
4/23	5.0	4/22	7.0	4/21	12.0	4/19	10.5	4/18	12.5
4/30	-10.0	4/29	6.0	4/28	10.0	4/26	5.0	4/25	15.0
5/ 7	7.0	5/ 6	-5.0	5/ 5	-5.0	5/ 3	9.0	5/ 2	11.0
5/14	-7.5	5/13	4.0	5/12	9.0	5/10	-4.0	5/ 9	10.5
5/21	-3.0	5/20	-3.0	5/19	9.5	5/17	9.0	5/16	6.0
5/28	-4.0	5/27	-4.0	5/26	13.5	5/24	7.0	5/23	9.0
6/ 4	-4.0	6/ 3	-6.0	6/ 2	-2.0	5/31	4.8	5/30	15.5
6/11	-6.0	6/10	-8.0	6/ 9	13.0	6/ 7	2.5	6/ 6	7.0
6/18	-4.0	6/17	-8.0	6/16	13.0	6/14	8.0	6/13	6.0
6/25	-4.0	6/24	-8.0	6/23	17.0	6/21	8.0	6/20	3.0
7/ 2	-4.5	7/ 1	-5.0	6/30	-2.5	6/28	7.0	6/27	8.5
7/ 9	-6.5	7/ 8	-8.0	7/ 7	14.0	7/ 5	6.0	7/ 4	7.0
7/16	-7.3	7/15	-9.0	7/14	5.0	7/12	5.0	7/11	-3.5
7/23	-8.0	7/22	-7.0	7/21	-8.0	7/19	3.0	7/18	4.0
7/30	-5.0	7/29	-7.0	7/28	-6.0	7/26	4.0	7/25	-5.0
8/ 6	-4.0	8/ 5	10.0	8/ 4	11.0	8/ 2	9.0	8/ 1	-6.0
8/13	-4.0	8/12	10.0	8/11	-8.0	8/ 9	5.5	8/ 8	3.0
8/20	-5.0	8/19	8.0	8/18	10.5	8/16	9.0	8/15	4.0
8/27	-3.0	8/26	9.0	8/25	7.0	8/23	5.0	8/22	6.5
9/ 3	3.0	9/ 2	7.0	9/ 1	4.0	8/30	25.0	8/29	5.0
9/10	5.0	9/ 9	8.0	9/ 8	11.0	9/ 6	22.0	9/ 5	5.0
9/17	4.0	9/16	9.0	9/15	10.0	9/13	7.0	9/12	6.5
9/24	-6.0	9/23	10.0	9/22	9.0	9/20	9.5	9/19	12.0
10/ 1	-6.0	9/30	10.0	9/29	17.0	9/27	8.5	9/26	10.0
10/ 8	3.0	10/ 7	9.0	10/ 6	13.0	10/ 4	5.0	10/ 3	6.0
10/15	6.0	10/14	14.0	10/13	4.0	10/11	17.5	10/10	7.0
10/22	6.0	10/21	13.0	10/20	14.0	10/18	17.5	10/17	5.5
10/29	5.5	10/28	11.0	10/27	3.0	10/25	6.5	10/24	10.5
11/ 5	5.0	11/ 4	9.0	11/ 3	4.0	11/ 1	21.5	10/31	10.0
11/12	6.0	11/11	9.0	11/10	9.5	11/ 8	5.0	11/ 7	11.0
11/19	10.0	11/18	10.0	11/17	6.0	11/15	10.0	11/14	11.0
11/26	8.0	11/25	10.0	11/24	11.5	11/22	16.5	11/21	11.0
12/ 3	11.0	12/ 2	9.0	12/ 1	12.0	11/29	8.5	11/28	12.0
12/10	-8.0	12/ 9	8.5	12/ 8	10.0	12/ 6	15.5	12/ 5	7.0
12/17	8.0	12/16	10.0	12/15	5.0	12/13	10.0	12/12	17.0
12/24	10.0	12/23	9.0	12/22	5.0	12/20	9.0	12/19	11.5
12/29	10.0	12/28	16.0	12/29	11.0	12/27	5.0	12/26	12.0

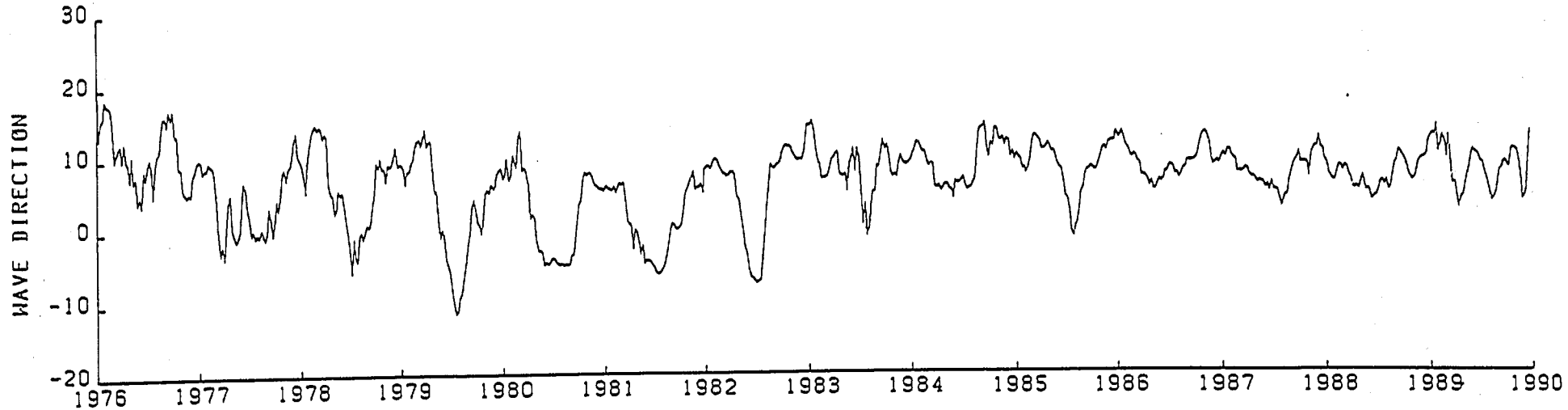
1986		1987		1988		1989	
DATE	THETA	DATE	THETA	DATE	THETA	DATE	THETA
1/ 4	11.5	1/ 6	11.0	1/ 7	13.0	1/ 5	12.5
1/ 9	13.5	1/ 8	9.0	1/14	7.0	1/12	17.5
1/16	12.5	1/15	11.0	1/21	4.0	1/19	11.0
1/23	13.0	1/22	8.0	1/28	3.0	1/26	11.0
1/30	15.0	1/29	8.0	2/ 4	6.0	2/ 2	9.5
2/ 6	7.0	2/ 5	16.0	2/11	11.0	2/ 9	20.5
2/13	8.0	2/12	9.5	2/18	6.5	2/16	-2.0
2/20	10.5	2/19	6.5	2/25	8.5	2/25	16.5
2/27	9.5	2/26	6.5	3/ 3	9.0	3/ 2	17.0
3/ 6	12.0	3/ 5	7.0	3/10	6.0	3/ 9	3.5
3/13	9.5	3/12	7.5	3/17	7.0	3/16	11.5
3/20	7.0	3/19	10.0	3/24	10.5	3/23	13.0
3/27	6.5	3/26	6.0	3/31	7.0	3/31	-3.5
4/ 3	8.0	4/ 2	7.0	4/ 7	4.5	4/ 6	4.0
4/10	4.0	4/ 9	9.5	4/14	3.0	4/13	4.5
4/17	10.0	4/16	6.5	4/21	1.5	4/20	1.5
4/24	6.0	4/23	6.0	4/28	9.0	4/27	4.5
5/ 1	3.5	4/30	4.5	5/ 5	9.0	5/ 4	4.5
5/ 8	4.0	5/ 7	7.0	5/12	2.0	5/11	4.0
5/15	8.0	5/14	8.0	5/19	7.0	5/18	11.0
5/22	4.0	5/21	4.0	5/26	7.0	5/25	9.5
5/29	6.0	5/28	7.0	6/ 2	2.5	6/ 1	8.5
6/ 5	6.5	6/ 4	4.0	6/ 9	5.0	6/ 8	14.0
6/12	7.5	6/11	6.3	6/16	3.5	6/15	9.0
6/19	6.5	6/18	4.5	6/23	2.0	6/22	9.0
6/26	5.5	6/25	6.5	6/30	4.0	6/29	8.5
7/ 3	12.0	7/ 2	2.0	7/ 7	5.0	7/ 6	7.0
7/10	5.5	7/ 9	11.0	7/14	5.0	7/13	9.5
7/17	12.5	7/16	1.0	7/21	8.5	7/20	9.0
7/24	6.5	7/23	4.0	7/28	7.0	7/27	4.0
7/31	4.5	7/30	6.0	8/ 4	5.0	8/ 3	2.5
8/ 7	7.0	8/ 6	-3.0	8/11	2.0	8/10	2.5
8/14	6.5	8/13	4.5	8/18	8.5	8/17	2.0
8/21	8.0	8/20	5.0	8/25	1.0	8/24	5.0
8/28	9.5	8/27	8.0	9/ 1	9.5	8/31	6.0
9/ 4	9.0	9/ 3	6.0	9/ 8	12.0	9/ 7	6.5
9/11	7.0	9/10	7.0	9/15	11.0	9/14	10.0
9/18	11.0	9/21	10.0	9/22	10.0	9/21	10.0
9/25	8.0	9/24	10.0	9/29	9.0	9/28	6.0
10/ 2	9.5	10/ 1	11.5	10/ 6	7.0	10/ 5	10.0
10/ 9	9.0	10/ 8	8.0	10/13	10.5	10/12	8.0
10/16	8.0	10/15	11.0	10/20	8.0	10/19	7.0
10/23	13.0	10/22	2.0	10/27	6.5	10/26	8.5
10/30	16.0	10/29	11.0	11/ 3	2.5	11/ 2	17.0
11/ 6	15.0	11/ 5	11.0	11/10	5.0	11/ 9	12.5
11/13	11.5	11/12	8.0	11/17	8.0	11/16	6.5
11/20	9.5	11/19	1.5	11/24	10.5	11/23	7.0
11/27	10.0	11/26	17.0	12/ 1	11.0	11/30	3.5
12/ 4	11.0	12/ 3	14.0	12/ 8	8.0	12/ 7	5.0
12/11	4.5	12/10	13.5	12/15	7.5	12/14	-5.0
12/18	7.0	12/17	8.0	12/22	9.0	12/21	9.0
12/25	11.0	12/24	9.0	12/28	11.0	12/28	13.0
		12/28	9.0				

3.4 Long-term Change in Wave Direction

The change in wave direction is shown in the following figure. The lower figure shows the moving average for 5 weeks, and the trend of long-term change is recognized more clearly by this method. There is a considerably large variation in wave direction, but it is found that in a long-term there is a periodicity of a year. In summer wave direction takes on a negative value that means the southeastern wave incidence, and in winter northeastern wave incidence dominates.



WAVE DIRECTION



WAVE DIRECTION (MOVING AVERAGE FOR 5 WEEKS)

3.5 Summarized Data of Shoreline Position

The shoreline position was calculated from the beach profiles described in Chapter 3.2, and its summarized data between January 1, 1976 and December 28, 1989 is shown in the following table. Here, the shoreline position is defined by the position where the elevation of the beach is equal to the mean sea water level.

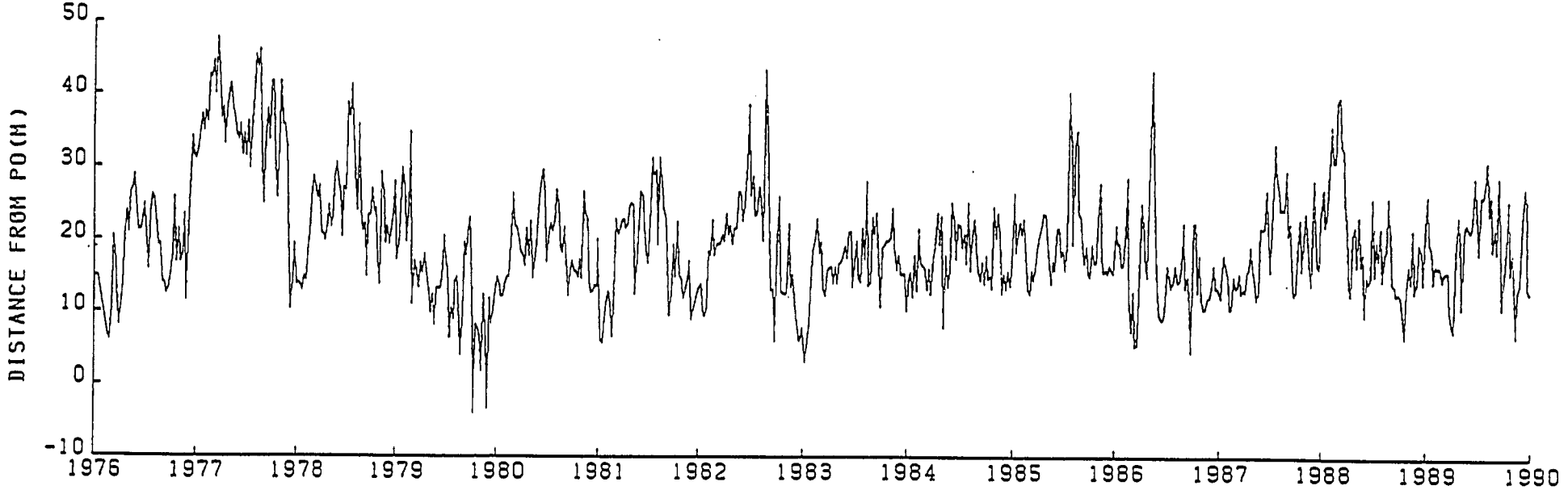
1976		1977		1978		1979		1980	
DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE
1/ 1	15.0	1/ 6	32.6	1/ 5	14.1	1/ 4	17.4	1/ 4	15.0
1/ 8	0.0	1/13	34.7	1/12	13.9	1/11	19.3	1/10	14.1
1/15	14.8	1/20	37.3	1/19	13.0	1/18	25.0	1/17	12.2
1/22	0.0	1/27	35.1	1/26	15.0	1/25	30.2	1/24	12.3
1/29	-0.0	2/ 3	37.8	2/ 2	14.4	2/ 1	27.4	1/31	14.0
2/ 5	0.0	2/10	36.3	2/ 9	18.4	2/ 8	19.9	2/ 7	15.0
2/12	0.0	2/17	42.9	2/16	21.0	2/15	25.1	2/14	15.0
2/19	6.7	2/24	42.4	2/23	27.0	2/22	35.1	2/21	19.5
2/26	6.0	3/ 3	44.7	3/ 2	29.0	3/ 1	11.1	2/28	26.7
3/ 4	10.3	3/10	40.2	3/ 9	27.0	3/ 8	17.3	3/ 6	22.2
3/11	20.5	3/17	48.0	3/16	25.9	3/15	15.9	3/13	22.0
3/18	18.5	3/24	43.7	3/23	27.6	3/22	13.5	3/20	20.4
3/25	11.3	3/31	36.9	3/30	21.0	3/29	16.9	3/27	18.5
3/31	8.1	4/ 7	38.3	4/ 6	21.0	4/ 5	15.5	4/ 3	18.0
4/ 8	11.1	4/14	33.4	4/13	19.9	4/12	18.1	4/10	16.5
4/15	13.7	4/21	38.7	4/20	22.1	4/19	15.8	4/17	21.8
4/22	20.5	4/28	40.4	4/27	24.9	4/26	13.1	4/24	18.0
4/29	24.0	5/ 5	41.6	5/ 4	21.9	5/ 3	10.0	5/ 1	22.8
5/ 6	21.0	5/12	38.2	5/11	23.3	5/10	12.5	5/ 8	14.8
5/13	26.5	5/19	36.9	5/18	28.7	5/17	8.3	5/15	17.3
5/20	27.3	5/26	34.6	5/25	30.8	5/24	13.3	5/22	19.4
5/27	29.0	6/ 2	34.0	6/ 1	28.3	5/31	13.5	5/29	25.6
6/ 3	23.7	6/ 9	36.0	6/ 8	26.3	6/ 7	13.3	6/ 5	28.2
6/10	21.2	6/16	31.9	6/15	20.6	6/14	15.0	6/12	30.0
6/17	21.4	6/23	34.7	6/22	27.5	6/21	20.7	6/19	26.4
6/24	23.1	6/30	31.7	6/29	27.0	6/28	17.3	6/26	17.1
7/ 1	24.9	7/ 7	36.3	7/ 6	39.0	7/ 5	16.0	7/ 3	21.0
7/ 8	19.4	7/14	30.0	7/13	37.1	7/12	6.5	7/10	22.5
7/15	15.9	7/21	36.3	7/20	41.5	7/19	10.6	7/17	21.4
7/22	23.6	7/28	39.8	7/27	34.6	7/26	9.0	7/24	23.0
7/29	26.3	8/ 4	45.6	8/ 3	27.6	8/ 1	14.3	7/31	27.3
8/ 5	25.6	8/11	43.9	8/10	24.3	8/ 9	15.0	8/ 7	25.0
8/12	22.2	8/18	46.4	8/17	36.0	8/16	8.8	8/14	19.0
8/19	19.3	8/25	30.0	8/24	24.0	8/23	4.1	8/21	18.4
8/26	19.5	9/ 1	25.2	8/31	21.4	8/30	9.9	8/28	22.0
9/ 2	14.0	9/ 8	34.0	9/ 7	22.4	9/ 6	19.8	9/ 4	16.9
9/ 9	14.1	9/15	38.1	9/14	15.0	9/13	18.0	9/11	12.4
9/16	12.5	9/22	33.9	9/21	23.6	9/20	21.8	9/18	15.7
9/23	13.4	9/29	42.0	9/28	23.6	9/27	23.3	9/25	17.3
9/30	15.0	10/ 6	42.0	10/ 5	27.3	10/ 4	12.1	10/ 2	15.8
10/ 7	18.0	10/13	31.7	10/12	24.0	10/11	-4.0	10/ 9	15.9
10/14	26.0	10/20	26.0	10/19	24.6	10/18	8.4	10/16	15.0
10/21	16.9	10/27	33.0	10/26	17.3	10/24	7.9	10/23	17.5
10/28	21.5	11/ 3	42.0	11/ 2	13.9	11/ 1	6.7	10/30	14.8
11/ 4	17.0	11/10	36.0	11/ 9	29.6	11/ 8	1.8	11/ 6	27.0
11/11	18.0	11/17	36.0	11/16	27.0	11/15	12.5	11/13	24.0
11/18	23.6	11/24	33.0	11/23	19.7	11/22	8.0	11/20	23.1
11/25	11.7	12/ 1	19.9	11/30	22.1	11/30	-3.3	11/27	14.2
12/ 2	21.6	12/ 8	10.5	12/ 7	19.5	12/ 6	12.0	12/ 4	12.8
12/ 9	27.0	12/15	14.3	12/14	21.4	12/13	8.4	12/11	13.1
12/16	34.3	12/22	19.5	12/21	24.0	12/20	10.4	12/18	13.9
12/23	31.7	12/29	13.9	12/28	28.3	12/27	12.9	12/26	13.6
12/30	31.2							12/29	20.3

1981		1982		1983		1984		1985	
DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE
1/ 8	6.2	1/ 7	14.0	1/ 6	3.1	1/ 5	14.6	1/ 4	26.6
1/15	5.8	1/14	10.3	1/13	5.4	1/12	15.6	1/10	18.5
1/22	9.0	1/21	9.4	1/20	8.3	1/19	12.2	1/17	20.8
1/29	11.3	1/28	10.6	1/27	14.4	1/26	18.0	1/24	22.7
2/ 5	13.0	2/ 4	18.6	2/ 3	18.7	2/ 2	13.1	1/31	21.0
2/12	11.1	2/11	18.0	2/10	20.3	2/ 9	21.7	2/ 7	23.1
2/19	6.7	2/18	23.1	2/17	23.2	2/16	16.9	2/14	18.0
2/26	12.6	2/25	18.0	2/24	18.3	2/23	16.5	2/21	13.5
3/ 5	23.2	3/ 4	19.5	3/ 3	19.9	3/ 1	16.2	2/28	12.6
3/12	21.0	3/11	19.6	3/10	13.4	3/ 8	13.2	3/ 7	15.9
3/19	21.6	3/18	19.6	3/17	12.3	3/15	16.1	3/14	14.4
3/26	23.0	3/25	21.0	3/24	15.8	3/22	12.6	3/21	16.6
4/ 2	23.2	4/ 1	20.0	3/31	16.2	3/29	17.5	3/28	19.0
4/ 9	21.8	4/ 8	24.0	4/ 7	16.5	4/ 5	19.1	4/ 4	20.7
4/16	22.5	4/15	21.0	4/14	14.1	4/12	24.0	4/11	22.0
4/23	24.9	4/22	22.3	4/21	16.4	4/19	19.5	4/18	23.9
4/30	25.4	4/29	19.6	4/28	14.1	4/26	23.5	4/25	23.7
5/ 7	25.0	5/ 6	21.8	5/ 5	16.8	5/ 3	7.9	5/ 2	20.3
5/14	12.6	5/13	21.9	5/12	17.1	5/10	18.0	5/ 9	17.3
5/21	17.3	5/20	27.0	5/19	17.8	5/17	13.6	5/16	14.0
5/28	22.3	5/27	27.0	5/26	19.3	5/24	15.9	5/23	17.3
6/ 4	27.0	6/ 3	22.9	6/ 2	17.7	5/31	25.4	5/30	15.9
6/11	26.5	6/10	25.0	6/ 9	21.2	6/ 7	22.7	6/ 6	21.8
6/18	21.9	6/17	30.8	6/16	21.4	6/14	17.5	6/13	21.9
6/25	18.1	6/24	39.0	6/23	13.6	6/21	22.4	6/20	18.0
7/ 2	16.9	7/ 1	26.5	6/30	17.6	6/28	22.3	6/27	18.6
7/ 9	22.7	7/ 8	29.2	7/ 7	20.0	7/ 5	19.1	7/ 4	16.0
7/16	31.7	7/15	23.7	7/14	14.8	7/12	21.0	7/11	19.2
7/23	29.3	7/22	23.7	7/21	14.2	7/19	16.9	7/18	40.5
7/30	30.0	7/29	27.7	7/28	21.8	7/26	25.3	7/25	33.1
8/ 6	19.5	8/ 5	25.7	8/ 4	17.5	8/ 2	15.9	8/ 1	19.5
8/13	31.7	8/12	20.1	8/11	28.4	8/ 9	20.8	8/ 8	33.3
8/20	28.1	8/19	43.8	8/18	13.7	8/16	23.1	8/15	35.3
8/27	24.5	8/26	38.0	8/25	14.1	8/23	18.8	8/22	24.0
9/ 3	23.3	9/ 2	23.1	9/ 1	23.3	8/30	15.9	8/29	23.4
9/10	16.3	9/ 9	13.2	9/ 8	21.0	9/ 6	14.5	9/ 5	19.4
9/17	9.6	9/16	13.3	9/15	24.0	9/13	17.0	9/12	16.9
9/24	12.6	9/23	6.0	9/22	18.0	9/20	14.0	9/19	19.2
10/ 1	19.5	9/30	18.8	9/29	10.8	9/27	18.0	9/26	15.5
10/ 8	15.0	10/ 7	26.3	10/ 6	19.0	10/ 4	14.7	10/ 3	15.0
10/15	22.8	10/14	13.0	10/13	19.3	10/11	15.2	10/10	19.4
10/22	15.3	10/21	12.8	10/20	20.1	10/18	13.4	10/17	17.0
10/29	14.5	10/28	12.6	10/27	19.9	10/25	24.8	10/24	16.9
11/ 5	12.0	11/ 4	12.9	11/ 3	20.6	11/ 1	20.5	10/31	23.0
11/12	13.0	11/11	22.5	11/10	24.6	11/ 8	24.0	11/ 7	28.1
11/19	14.6	11/18	13.6	11/17	19.3	11/15	20.0	11/14	17.4
11/26	17.3	11/25	15.4	11/24	16.0	11/22	12.7	11/21	15.6
12/ 3	9.0	12/ 2	11.3	12/ 1	18.0	11/29	15.5	11/28	16.0
12/10	10.4	12/ 9	8.6	12/ 8	15.4	12/ 6	13.3	12/ 5	15.4
12/17	11.3	12/16	6.0	12/15	15.4	12/13	15.8	12/12	16.6
12/24	12.7	12/23	6.7	12/22	15.5	12/20	13.7	12/19	15.8
12/29	13.4	12/28	7.9	12/29	10.2	12/27	16.8	12/26	15.5

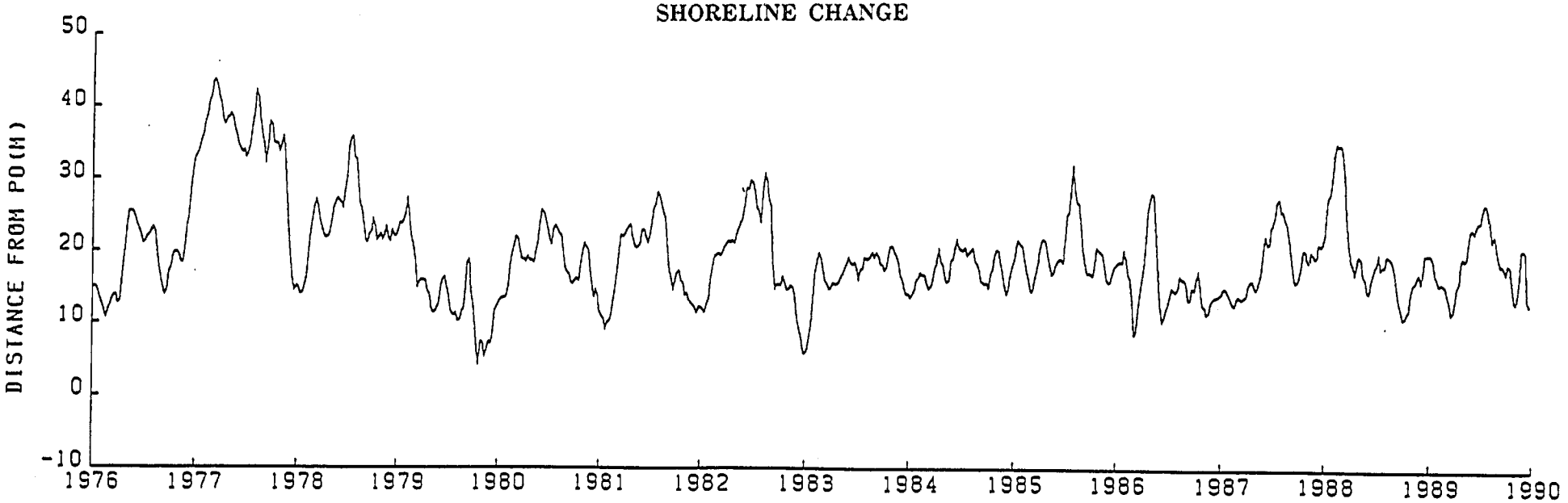
1986		1987		1988		1989	
DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE	DATE	SHORELINE
1/ 4	22.2	1/ 6	12.0	1/ 7	27.3	1/ 5	26.3
1/ 9	19.7	1/ 8	14.3	1/14	22.2	1/12	19.8
1/16	19.7	1/15	18.0	1/21	23.2	1/19	18.8
1/23	16.5	1/22	16.5	1/28	30.0	1/26	14.3
1/30	16.5	1/29	15.0	2/ 4	36.0	2/ 2	16.8
2/ 6	21.0	2/ 5	10.5	2/11	31.2	2/ 9	16.3
2/13	28.8	2/12	10.5	2/18	31.1	2/16	16.5
2/20	12.0	2/19	15.0	2/25	39.5	2/25	14.5
2/27	7.4	2/26	13.5	3/ 3	40.0	3/ 2	15.5
3/ 6	12.9	3/ 5	13.5	3/10	33.3	3/ 9	15.7
3/13	5.3	3/12	15.4	3/17	32.7	3/16	15.8
3/20	5.5	3/19	12.6	3/24	25.4	3/23	10.5
3/27	12.0	3/26	13.3	3/31	23.0	3/31	8.1
4/ 3	25.2	4/ 2	12.8	4/ 7	13.8	4/ 6	7.5
4/10	22.5	4/ 9	15.3	4/14	12.5	4/13	18.3
4/17	16.5	4/16	16.2	4/21	20.7	4/20	23.5
4/24	15.0	4/23	19.2	4/28	22.1	4/27	19.8
5/ 1	31.5	4/30	16.2	5/ 5	16.5	5/ 4	10.7
5/ 8	43.5	5/ 7	14.3	5/12	23.5	5/11	21.6
5/15	30.0	5/14	11.8	5/19	16.6	5/18	22.5
5/22	22.5	5/21	12.9	5/26	18.4	5/25	21.6
5/29	13.5	5/28	21.8	6/ 2	9.7	6/ 1	21.3
6/ 5	9.8	6/ 4	21.7	6/ 9	15.1	6/ 8	22.8
6/12	9.0	6/11	21.8	6/16	14.1	6/15	28.9
6/19	9.0	6/18	27.0	6/23	15.1	6/22	23.6
6/26	10.4	6/25	20.2	6/30	26.0	6/29	18.3
7/ 3	16.5	7/ 2	15.7	7/ 7	15.3	7/ 6	26.3
7/10	15.0	7/ 9	21.8	7/14	19.9	7/13	26.1
7/17	13.5	7/16	33.5	7/21	17.5	7/20	27.9
7/24	14.3	7/23	28.9	7/28	21.9	7/27	31.0
7/31	16.5	7/30	27.2	8/ 4	14.6	8/ 3	23.8
8/ 7	14.3	8/ 6	24.4	8/11	18.2	8/10	26.2
8/14	14.3	8/13	24.5	8/18	18.8	8/17	18.8
8/21	16.5	8/20	24.4	8/25	26.1	8/24	21.7
8/28	22.5	8/27	29.8	9/ 1	20.7	8/31	18.5
9/ 4	13.5	9/ 3	20.8	9/ 8	14.2	9/ 7	28.9
9/11	15.0	9/10	22.5	9/15	13.9	9/14	19.1
9/18	11.3	9/21	13.2	9/22	12.5	9/21	10.7
9/25	4.5	9/24	12.3	9/29	12.8	9/28	15.3
10/ 2	22.5	10/ 1	13.0	10/ 6	12.4	10/ 5	19.0
10/ 9	22.5	10/ 8	18.4	10/13	10.2	10/12	25.7
10/16	12.8	10/15	23.0	10/20	6.6	10/19	15.6
10/23	18.0	10/22	16.0	10/27	13.4	10/26	18.3
10/30	12.0	10/29	20.5	11/ 3	16.5	11/ 2	13.7
11/ 6	10.5	11/ 5	24.0	11/10	14.3	11/ 9	6.8
11/13	10.5	11/12	19.5	11/17	21.6	11/16	13.0
11/20	12.0	11/19	15.9	11/24	12.9	11/23	14.1
11/27	12.0	11/26	13.9	12/ 1	14.1	11/30	23.0
12/ 4	13.5	12/ 3	28.6	12/ 8	19.7	12/ 7	27.4
12/11	16.5	12/10	22.2	12/15	18.6	12/14	25.4
12/18	13.5	12/17	16.7	12/22	14.1	12/21	13.6
12/25	13.5	12/24	16.2	12/28	21.0	12/28	12.8
		12/28	23.4				

3.6 Long-term Change in Shoreline Position

The change in the shoreline position with time is shown in the following figure, and the moving average for 5 weeks is shown in the lower figure. The coordinate of the figure in shoreline changes is the offshore distance from a reference point (No. 16). In the figure long-term trend for several years and seasonal changes of the shoreline can be seen, although there is a considerably large variations. In summer the shoreline advances and retreats in winter.



SHORELINE CHANGE



SHORELINE CHANGE (MOVING AVERAGE FOR 5 WEEKS)

3.7 Summarized data of longshore current velocity

The tables in the following pages show the raw data of the longshore current velocity (m/s) between January 6, 1977 and December 28, 1989. The longshore current velocity is measured at the three points dividing the surf zone into four parts. The mean longshore current velocity in the surf zone is obtained from those values observed at three locations. The longshore current velocity has a positive sign, when the current flows from the north to the south.

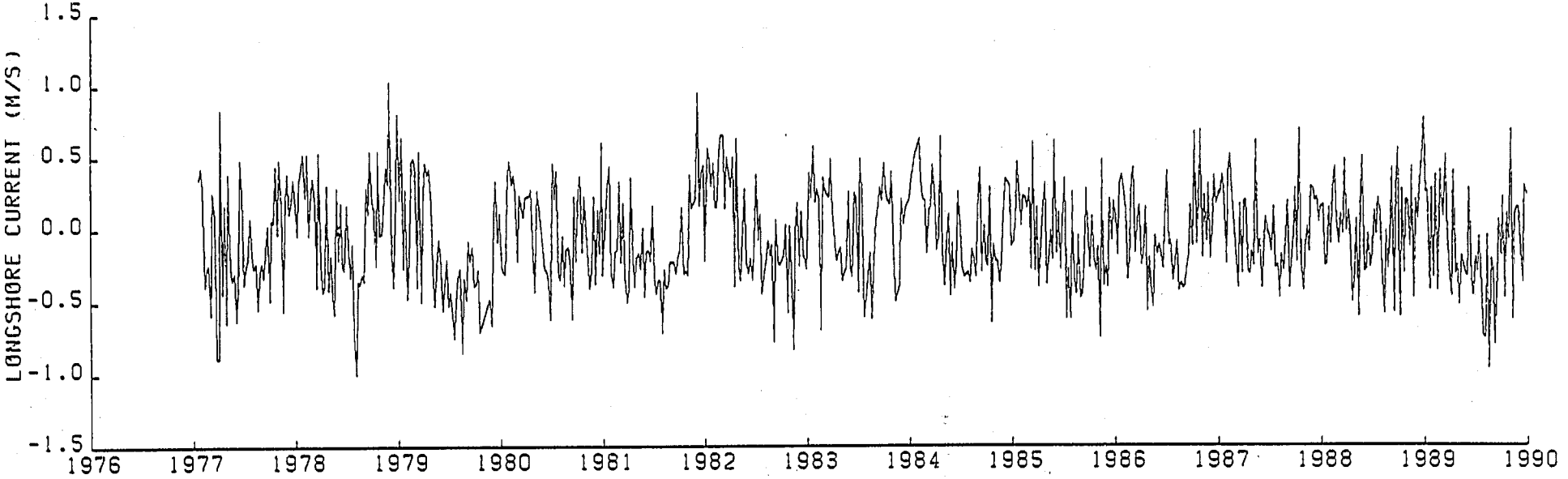
1977		1978		1979		1980		1981	
DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY
1/ 6	0.00	1/ 5	-0.04	1/ 4	0.21	1/ 4	-0.26	1/ 8	0.00
1/13	0.00	1/12	0.33	1/11	0.65	1/10	-0.30	1/15	0.32
1/20	0.35	1/19	0.43	1/18	-0.27	1/17	-0.31	1/22	0.44
1/27	0.44	1/26	0.53	1/25	0.28	1/24	0.37	1/29	-0.29
2/ 3	0.30	2/ 2	0.23	2/ 1	-0.48	1/31	0.48	2/ 5	-0.40
2/10	-0.39	2/ 9	0.53	2/ 8	-0.20	2/ 7	0.31	2/12	-0.16
2/17	-0.27	2/16	-0.04	2/15	0.47	2/14	0.38	2/19	-0.14
2/24	-0.24	2/23	0.26	2/22	0.50	2/21	0.26	2/26	0.33
3/ 3	-0.59	3/ 2	0.36	3/ 1	0.43	2/28	-0.22	3/ 5	-0.23
3/10	0.26	3/ 9	0.16	3/ 8	-0.40	3/ 6	0.24	3/12	0.18
3/17	0.10	3/16	-0.40	3/15	0.55	3/13	0.00	3/19	-0.33
3/24	-0.89	3/23	0.54	3/22	-0.50	3/20	0.08	3/26	-0.51
3/31	-0.89	3/30	-0.24	3/29	0.16	3/27	0.22	4/ 2	-0.41
4/ 7	0.84	4/ 6	-0.43	4/ 5	0.47	4/ 3	0.23	4/ 9	0.36
4/14	-0.44	4/13	-0.39	4/12	0.38	4/10	0.23	4/16	-0.21
4/21	0.17	4/20	0.31	4/19	0.43	4/17	0.28	4/23	-0.40
4/28	-0.64	4/27	-0.42	4/26	0.18	4/24	-0.18	4/30	-0.20
5/ 5	0.39	5/ 4	-0.18	5/ 3	-0.28	5/ 1	-0.43	5/ 7	-0.17
5/12	-0.27	5/11	-0.47	5/10	-0.53	5/ 8	0.27	5/14	-0.28
5/19	-0.35	5/18	-0.59	5/17	-0.24	5/15	0.00	5/21	0.01
5/26	-0.30	5/25	0.29	5/24	-0.07	5/22	0.04	5/28	-0.47
6/ 2	-0.63	6/ 1	-0.21	5/31	-0.18	5/29	0.00	6/ 4	-0.16
6/ 9	-0.42	6/ 8	0.18	6/ 7	-0.56	6/ 5	-0.27	6/11	-0.15
6/16	0.49	6/15	-0.26	6/14	-0.41	6/12	-0.30	6/18	-0.22
6/23	0.26	6/22	-0.28	6/21	-0.21	6/19	-0.37	6/25	0.16
6/30	-0.38	6/29	0.17	6/28	-0.53	6/26	-0.62	7/ 2	-0.33
7/ 7	-0.25	7/ 6	-0.10	7/ 5	-0.43	7/ 3	0.46	7/ 9	-0.45
7/14	-0.20	7/13	-0.33	7/12	-0.59	7/10	0.21	7/16	-0.35
7/21	0.08	7/20	-0.10	7/19	-0.75	7/17	0.41	7/23	-0.36
7/28	-0.17	7/27	-0.72	7/26	-0.43	7/24	-0.32	7/30	-0.72
8/ 4	-0.27	8/ 3	-1.00	8/ 1	-0.34	7/31	-0.35	8/ 6	-0.28
8/11	-0.23	8/10	-0.36	8/ 9	-0.27	8/ 7	-0.05	8/13	-0.41
8/18	-0.55	8/17	-0.38	8/16	-0.85	8/14	-0.39	8/20	-0.39
8/25	-0.29	8/24	-0.31	8/23	-0.34	8/21	-0.14	8/27	-0.23
9/ 1	-0.23	8/31	-0.36	8/30	-0.49	8/28	-0.13	9/ 3	0.00
9/ 8	-0.33	9/ 7	0.29	9/ 6	-0.08	9/ 4	-0.23	9/10	-0.23
9/15	-0.13	9/14	0.11	9/13	-0.22	9/11	-0.62	9/17	-0.31
9/22	0.03	9/21	0.55	9/20	-0.12	9/18	0.23	9/24	-0.19
9/29	-0.49	9/28	0.19	9/27	-0.39	9/25	-0.22	10/ 1	-0.15
10/ 6	0.07	10/ 5	0.14	10/ 4	-0.38	10/ 2	0.26	10/ 8	0.15
10/13	0.05	10/12	-0.25	10/11	-0.28	10/ 9	0.37	10/15	-0.31
10/20	0.45	10/19	0.55	10/18	-0.71	10/16	-0.16	10/22	-0.29
10/27	-0.03	10/26	-0.04	10/24	0.00	10/23	0.23	10/29	-0.32
11/ 3	0.49	11/ 2	-0.03	11/ 1	0.00	10/30	0.00	11/ 5	0.38
11/10	0.17	11/ 9	0.15	11/ 8	0.00	11/ 6	0.00	11/12	0.14
11/17	-0.56	11/16	0.44	11/15	0.00	11/13	-0.41	11/19	0.00
11/24	0.22	11/23	0.32	11/22	-0.48	11/20	-0.25	11/26	0.21
12/ 1	0.39	11/30	1.04	11/30	-0.66	11/27	0.23	12/ 3	0.96
12/ 8	0.11	12/ 7	-0.18	12/ 6	0.06	12/ 4	-0.38	12/10	0.16
12/15	0.20	12/14	-0.40	12/13	0.34	12/11	0.13	12/17	0.39
12/22	0.35	12/21	0.20	12/20	-0.09	12/18	-0.17	12/24	0.45
12/29	0.16	12/28	0.81	12/27	0.11	12/26	0.61	12/29	-0.22
						12/29	-0.32		

1982		1983		1984		1985		1986	
DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY
1/ 7	0.57	1/ 6	0.39	1/ 5	0.34	1/ 4	-0.09	1/ 4	0.01
1/14	0.49	1/13	0.22	1/12	0.00	1/10	0.06	1/ 9	-0.18
1/21	0.30	1/20	0.58	1/19	0.53	1/17	0.47	1/16	0.30
1/28	0.46	1/27	0.18	1/26	0.56	1/24	0.21	1/23	0.38
2/ 4	0.15	2/ 3	0.28	2/ 2	0.64	1/31	0.02	1/30	0.28
2/11	0.15	2/10	0.20	2/ 9	0.34	2/ 7	0.23	2/ 6	0.13
2/18	0.54	2/17	-0.70	2/16	0.21	2/14	0.22	2/13	-0.35
2/25	0.66	2/24	0.36	2/23	0.20	2/21	0.14	2/20	-0.22
3/ 4	0.66	3/ 3	0.27	3/ 1	-0.17	2/28	0.28	2/27	0.35
3/11	0.14	3/10	0.24	3/ 8	0.13	3/ 7	-0.28	3/ 6	0.43
3/18	0.50	3/17	0.22	3/15	0.16	3/14	0.61	3/13	-0.17
3/25	0.00	3/24	0.49	3/22	0.45	3/21	-0.29	3/20	0.06
4/ 1	0.29	3/31	0.12	3/29	0.22	3/28	0.15	3/27	0.16
4/ 8	0.50	4/ 7	0.00	4/ 5	-0.15	4/ 4	-0.40	4/ 3	-0.25
4/15	-0.40	4/14	-0.22	4/12	-0.04	4/11	-0.10	4/10	-0.18
4/22	0.64	4/21	-0.16	4/19	0.65	4/18	0.12	4/17	0.15
4/29	-0.26	4/28	-0.13	4/26	-0.16	4/25	0.32	4/24	-0.57
5/ 6	-0.36	5/ 5	-0.36	5/ 3	-0.39	5/ 2	-0.38	5/ 1	-0.20
5/13	0.00	5/12	-0.30	5/10	-0.11	5/ 9	0.00	5/ 8	-0.44
5/20	0.28	5/19	-0.27	5/17	0.10	5/16	-0.01	5/15	-0.54
5/27	-0.23	5/26	0.26	5/24	-0.46	5/23	-0.21	5/22	-0.05
6/ 3	-0.31	6/ 2	-0.28	5/31	-0.10	5/30	0.62	5/29	-0.18
6/10	-0.20	6/ 9	-0.33	6/ 7	-0.41	6/ 6	-0.17	6/ 5	-0.11
6/17	-0.35	6/16	0.25	6/14	-0.24	6/13	0.11	6/12	-0.19
6/24	-0.08	6/23	0.22	6/21	0.26	6/20	-0.28	6/19	-0.28
7/ 1	0.38	6/30	-0.44	6/28	-0.01	6/27	0.07	6/26	0.06
7/ 8	-0.08	7/ 7	0.49	7/ 5	-0.27	7/ 4	0.35	7/ 3	0.40
7/15	0.10	7/14	0.28	7/12	-0.33	7/11	-0.62	7/10	-0.12
7/22	-0.45	7/21	-0.61	7/19	-0.32	7/18	-0.28	7/17	-0.08
7/29	-0.31	7/28	0.00	7/26	-0.30	7/25	-0.62	7/24	-0.36
8/ 5	-0.23	8/ 4	-0.31	8/ 2	-0.37	8/ 1	0.26	7/31	-0.25
8/12	-0.08	8/11	-0.17	8/ 9	-0.14	8/ 8	-0.33	8/ 7	-0.09
8/19	-0.19	8/18	-0.62	8/16	-0.23	8/15	-0.45	8/14	-0.43
8/26	-0.11	8/25	-0.21	8/23	-0.33	8/22	-0.05	8/21	-0.37
9/ 2	-0.78	9/ 1	0.05	8/30	0.13	8/29	-0.48	8/28	-0.41
9/ 9	0.06	9/ 8	0.12	9/ 6	0.43	9/ 5	-0.45	9/ 4	-0.40
9/16	-0.23	9/15	0.29	9/13	-0.30	9/12	-0.25	9/11	-0.26
9/23	-0.25	9/22	0.20	9/20	0.02	9/19	0.28	9/18	-0.18
9/30	-0.22	9/29	0.46	9/27	-0.22	9/26	-0.06	9/25	0.16
10/ 7	-0.18	10/ 6	0.27	10/ 4	-0.26	10/ 3	-0.27	10/ 2	-0.12
10/14	0.03	10/13	0.20	10/11	0.29	10/10	0.09	10/ 9	0.68
10/21	-0.58	10/20	0.17	10/18	-0.65	10/17	-0.20	10/16	-0.11
10/28	0.02	10/27	0.40	10/25	-0.11	10/24	-0.29	10/23	0.18
11/ 4	-0.28	11/ 3	-0.19	11/ 1	-0.22	10/31	-0.13	10/30	0.69
11/11	-0.83	11/10	-0.50	11/ 8	-0.22	11/ 7	-0.75	11/ 6	-0.20
11/18	-0.02	11/17	0.00	11/15	-0.37	11/14	0.48	11/13	0.23
11/25	0.18	11/24	-0.39	11/22	-0.22	11/21	-0.39	11/20	-0.09
12/ 2	-0.26	12/ 1	0.21	11/29	0.09	11/28	-0.26	11/27	0.31
12/ 9	0.12	12/ 8	0.03	12/ 6	0.35	12/ 5	-0.40	12/ 4	-0.21
12/16	-0.19	12/15	0.14	12/13	0.00	12/12	0.21	12/11	0.04
12/23	-0.22	12/22	0.00	12/20	0.30	12/19	-0.08	12/18	0.37
12/28	-0.28	12/29	0.21	12/27	-0.12	12/26	0.19	12/25	0.17

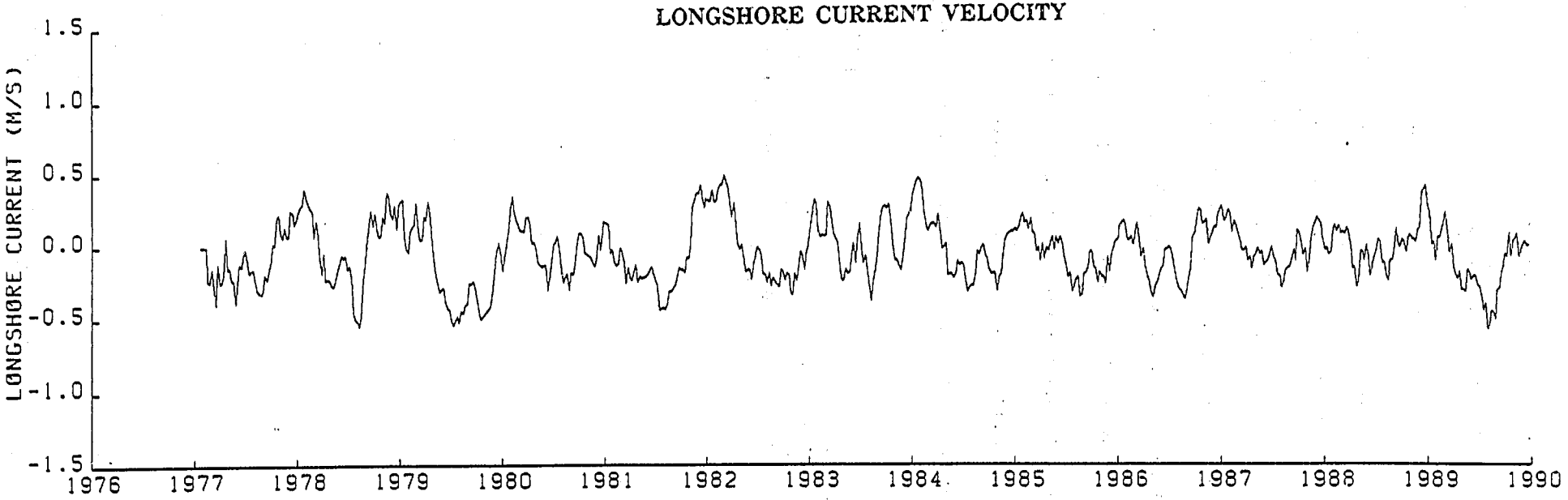
1987		1988		1989	
DATE	VELOCITY	DATE	VELOCITY	DATE	VELOCITY
1/ 6	0.26	1/ 7	0.16	1/ 5	0.25
1/ 8	0.24	1/14	-0.26	1/12	0.26
1/15	0.38	1/21	-0.25	1/19	-0.43
1/22	0.21	1/28	0.14	1/26	0.28
1/29	-0.24	2/ 4	-0.11	2/ 2	-0.34
2/ 5	0.39	2/11	0.23	2/ 9	0.37
2/12	0.52	2/18	0.43	2/16	-0.43
2/19	0.21	2/25	0.05	2/25	0.41
2/26	0.00	3/ 3	-0.11	3/ 2	0.22
3/ 5	0.00	3/10	0.10	3/ 9	0.08
3/12	-0.41	3/17	-0.04	3/16	0.51
3/19	0.17	3/24	0.48	3/23	-0.06
3/26	-0.31	3/31	-0.02	3/31	-0.35
4/ 2	0.19	4/ 7	0.12	4/ 6	-0.47
4/ 9	0.20	4/14	-0.09	4/13	0.40
4/16	-0.29	4/21	-0.51	4/20	-0.32
4/23	-0.32	4/28	-0.31	4/27	-0.25
4/30	-0.16	5/ 5	0.06	5/ 4	-0.53
5/ 7	-0.26	5/12	-0.61	5/11	-0.19
5/14	0.62	5/19	0.15	5/18	-0.25
5/21	-0.18	5/26	0.50	5/25	-0.32
5/28	-0.08	6/ 2	-0.30	6/ 1	-0.33
6/ 4	-0.41	6/ 9	-0.29	6/ 8	0.28
6/11	-0.13	6/16	-0.04	6/15	-0.35
6/18	0.08	6/23	-0.27	6/22	-0.48
6/25	-0.03	6/30	-0.18	6/29	-0.20
7/ 2	-0.06	7/ 7	0.12	7/ 6	-0.30
7/ 9	-0.16	7/14	-0.04	7/13	-0.06
7/16	0.15	7/21	0.21	7/20	-0.40
7/23	-0.27	7/28	0.10	7/27	-0.74
7/30	-0.25	8/ 4	-0.29	8/ 3	-0.76
8/ 6	-0.48	8/11	-0.59	8/10	-0.05
8/13	-0.18	8/18	-0.02	8/17	-0.97
8/20	-0.29	8/25	-0.28	8/24	-0.21
8/27	-0.10	9/ 1	-0.06	8/31	-0.27
9/ 3	0.19	9/ 8	0.42	9/ 7	-0.80
9/10	-0.41	9/15	-0.58	9/14	-0.32
9/21	-0.13	9/22	0.28	9/21	0.06
9/24	-0.05	9/29	0.56	9/28	-0.19
10/ 1	0.28	10/ 6	-0.61	10/ 5	0.22
10/ 8	-0.23	10/13	0.27	10/12	-0.48
10/15	0.70	10/20	-0.31	10/19	0.10
10/22	-0.24	10/27	0.20	10/26	-0.08
10/29	-0.43	11/ 3	0.19	11/ 2	0.69
11/ 5	-0.14	11/10	-0.13	11/ 9	-0.63
11/12	0.01	11/17	0.43	11/16	0.09
11/19	-0.16	11/24	-0.48	11/23	0.14
11/26	0.29	12/ 1	0.20	11/30	0.14
12/ 3	0.27	12/ 8	0.07	12/ 7	-0.17
12/10	0.19	12/15	0.33	12/14	-0.37
12/17	0.22	12/22	0.49	12/21	0.30
12/24	0.04	12/28	0.77	12/28	0.23
12/28	0.14				

3.8 Long-term Change in Longshore Current Velocity

The change in longshore current velocity is shown in the following figure, and the lower figure shows the moving average for 5 weeks. There is a periodical variations in longshore current. There is a good correlation between the longshore current velocity and the wave direction. In summer longshore current directs from the south to the north, and in winter in the opposite direction.



LONGSHORE CURRENT VELOCITY



LONGSHORE CURRENT VELOCITY (MOVING AVERAGE FOR 5 WEEKS)

3.9 Summarized Data of Wave observations

The results of the wave observations between January 1, 1985 and December 31, 1989 are shown. There are two wave gauges on the pier. They are set at a location 39 meters shoreward from the point of the pier. Regarding the wave gauges, the wave gauge on the right-hand side (south side) of the pier is denoted as No. 1 gauge, and the other on the left as No. 2 gauges. Mean wave characteristics were calculated from wave data observed at No. 1 and No. 2 gauges. In the tables the wave heights and periods of the maximum wave, the one-tenth highest wave, the significant wave and the mean wave calculated from the measurement every two hours are shown. The wave heights were calculated from the degitalized data of 10 minutes long by the sampling of 0.2 second intervals. In the figure the time when the maximum height measured is also written. Furthermore the wave direction calculated from the time lag of the wave propagation at two wave gauges is also shown. Table 2 shows the ratio of the duration when the wave data were obtained every two hours in a regular way to the total period of the month.

Table 2

Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
0.33	0.58	0.79	0.69	0.66	0.68	0.83	0.69	0.71	0.72	0.61	0.56	0.65

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 1.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 4.1985 TMEAM (SEC)	THETA (DEG)
0	151	6.8	120	4.9	98	5.1	63	3.9	22.8
2	134	5.1	119	5.4	98	5.3	63	4.3	18.2
4	141	5.6	120	5.4	97	5.4	61	4.1	18.3
6	153	12.9	115	6.9	92	6.1	56	4.5	14.6
8	156	5.4	117	5.9	96	5.8	60	4.6	15.8
10	146	5.8	116	6.9	96	6.3	63	5.0	16.8
12	168	5.3	133	6.1	106	6.4	67	4.8	13.3
14	145	5.6	116	7.1	94	6.1	57	4.6	13.1
16	167	4.9	138	6.2	113	6.2	70	4.6	16.7
18	158	5.0	125	5.4	98	5.5	60	4.1	18.5
20	122	4.6	105	5.7	88	5.1	54	4.1	14.6
22	133	4.9	110	5.6	92	5.3	59	4.0	17.6
MEAN	148	6.0	120	6.0	97	5.7	61	4.4	16.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 2.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20	84	5.8	69	6.6	56	5.9	35	4.3	11.3
22	96	5.9	79	6.3	63	5.9	40	4.4	17.2
MEAN	90	5.8	74	6.4	60	5.9	38	4.3	14.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 5.1985 TMEAM (SEC)	THETA (DEG)
0	144	6.3	124	6.3	103	6.4	65	4.7	21.6
2	167	4.9	137	6.7	105	6.7	65	4.8	19.6
4	166	7.2	138	6.2	115	6.3	72	4.8	24.1
6	154	8.4	114	6.4	92	6.0	59	4.6	21.1
8	132	4.4	101	5.8	82	5.5	53	4.3	24.2
10									
12									
14									
16									
18	102	8.0	79	8.0	62	6.9	39	5.1	18.8
20	108	5.0	82	5.5	65	5.6	41	4.3	15.8
22	90	5.4	78	5.6	63	5.6	37	3.9	14.0
MEAN	133	6.2	107	6.3	86	6.1	54	4.6	19.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 3.1985 TMEAM (SEC)	THETA (DEG)
0	93	7.3	82	6.8	63	6.3	38	4.4	14.0
2	97	6.3	83	6.0	64	5.9	38	4.2	15.3
4	100	6.4	87	6.6	70	6.0	41	4.1	18.2
6	106	5.8	83	6.1	64	5.4	39	3.7	17.2
8	113	5.1	89	6.4	72	5.8	44	3.8	16.1
10	125	7.6	92	7.4	70	6.5	41	4.4	14.1
12	111	6.1	78	7.0	60	6.3	36	4.1	12.6
14	91	7.2	78	7.0	64	7.4	39	4.9	5.2
16	114	5.9	92	6.4	70	6.5	41	4.3	5.4
18	110	6.2	88	5.8	72	5.3	44	3.7	9.5
20	178	2.4	112	4.6	88	4.4	56	3.4	23.9
22	270	4.1	134	4.5	104	4.6	65	3.6	26.6
MEAN	126	5.9	92	6.2	72	5.9	44	4.0	14.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 6.1985 TMEAM (SEC)	THETA (DEG)
0	90	5.5	72	6.3	56	6.4	35	4.6	16.0
2	92	6.4	71	7.6	56	7.1	32	4.6	16.5
4	96	10.1	73	6.7	58	6.8	35	4.8	24.2
6	83	7.6	66	7.5	50	6.7	29	4.6	21.1
8	79	6.4	62	5.9	50	6.2	32	4.7	18.9
10	86	5.8	74	6.2	61	6.0	38	4.4	18.6
12	90	5.8	82	5.9	69	5.9	44	4.3	20.7
14	85	6.3	74	6.4	63	6.0	41	4.4	22.1
16	96	8.3	74	6.3	58	5.8	36	4.3	18.7
18	84	5.6	75	6.0	61	6.0	38	4.5	17.2
20	78	5.9	66	5.8	53	6.1	34	4.4	15.7
22									
MEAN	87	6.7	72	6.4	58	6.3	36	4.5	19.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 7.1985 TMEAM (SEC)	THETA (DEG)
0	102	5.0	72	5.3	58	5.6	36	3.9	20.0
2	98	6.9	69	5.4	57	5.5	36	4.1	24.4
4	80	6.8	70	5.6	57	5.3	38	4.1	28.7
6									
8									
10									
12									
14	84	6.3	71	5.6	57	5.4	35	4.1	27.6
16	92	6.0	69	5.4	53	5.6	33	4.2	24.9
18	87	5.6	73	6.3	58	5.4	36	3.8	21.5
20	95	6.8	78	5.3	65	4.9	43	4.0	18.7
22	99	3.7	77	4.9	63	4.6	43	3.6	18.0
MEAN	92	5.9	72	5.5	59	5.3	38	4.0	23.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN.10.1985 TMEAM (SEC)	THETA (DEG)
0	103	5.1	87	4.6	71	4.4	47	4.1	10.6
2	99	4.6	90	5.1	75	4.9	47	4.2	11.7
4	149	4.7	125	5.3	88	6.4	50	5.4	8.5
6	133	5.3	118	5.8	88	7.7	51	6.2	11.1
8	188	15.5	131	6.5	88	7.4	48	5.6	13.5
10	155	5.6	129	6.3	88	6.8	50	5.6	10.3
12	137	4.6	121	5.1	91	6.3	54	5.3	8.2
14	157	4.0	132	6.8	103	7.7	65	6.1	5.6
16	180	5.3	150	5.2	103	7.0	61	6.0	6.5
18	161	6.7	131	7.0	101	8.4	59	6.5	7.3
20									
22									
MEAN	146	6.1	121	5.8	90	6.7	53	5.5	9.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 8.1985 TMEAM (SEC)	THETA (DEG)
0	98	5.7	78	5.3	61	5.0	37	3.8	15.9
2	88	5.1	72	5.5	60	5.6	37	4.1	21.2
4	95	5.3	73	5.7	57	6.1	35	4.6	19.6
6	84	8.6	72	6.9	57	6.6	35	4.9	16.9
8	94	5.8	80	6.8	63	7.1	38	5.2	15.9
10									
12									
14									
16									
18									
20									
22									
MEAN	92	6.1	75	6.0	60	6.1	36	4.5	17.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN.11.1985 TMEAM (SEC)	THETA (DEG)
0	159	4.4	114	5.5	90	5.2	56	4.5	10.5
2	129	4.1	106	4.3	87	4.9	54	4.3	12.7
4	229	3.8	179	4.9	135	4.7	76	4.8	12.4
6	235	4.1	178	5.3	129	5.9	72	5.2	15.9
8	223	13.8	182	6.5	145	6.6	85	5.8	11.6
10	199	6.8	160	6.8	127	5.8	76	5.4	17.1
12	219	8.6	177	7.4	136	5.9	79	5.0	17.6
14	234	6.2	172	5.3	126	5.7	75	5.1	18.3
16	191	9.1	159	6.4	130	6.4	75	4.9	14.7
18	210	7.4	182	5.5	146	6.1	86	5.4	13.4
20	224	9.8	182	7.4	145	6.9	84	5.1	18.9
22	170	14.9	143	7.4	115	5.8	72	4.9	24.7
MEAN	202	7.7	161	6.1	126	5.8	74	5.0	15.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 9.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	147	12.2	113	7.6	84	7.3	48	5.1	11.3
20	128	5.4	104	5.9	79	6.8	49	5.0	12.6
22	114	4.8	94	4.9	76	5.3	48	4.4	13.9
MEAN	130	7.5	104	6.1	80	6.5	48	4.8	12.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN.12.1985 TMEAM (SEC)	THETA (DEG)
0	185	4.6	125	4.9	97	5.0	62	4.3	19.1
2									
4	188	13.6	130	5.8	103	5.6	64	4.3	20.9
6	258	3.8	184	5.4	143	5.9	88	4.8	19.8
8	205	9.8	171	6.6	139	6.5	88	4.9	18.8
10									
12									
14									
16									
18	213	5.9	169	5.5	135	6.1	83	5.3	11.3
20	197	4.9	163	4.9	128	5.8	78	5.3	11.7
22	150	8.4	130	6.0	106	6.1	64	4.9	3.8
MEAN	199	7.3	153	5.6	122	5.9	75	4.8	15.1

JAN.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	5.1	116	4.8	99	5.3	63	4.9	8.4
2	125	4.8	105	5.9	83	5.8	52	4.7	13.0
4	138	5.0	116	5.0	95	5.3	57	5.1	16.3
6	150	5.2	123	5.8	91	6.8	53	5.8	8.5
8	123	5.6	102	7.2	74	7.3	43	5.7	7.8
10	129	5.3	105	6.6	75	7.6	42	6.3	12.4
12	92	11.1	74	7.8	58	7.8	35	6.2	9.7
14	135	4.9	99	5.6	74	7.1	43	5.9	10.7
16	82	5.3	67	7.6	51	7.4	30	5.3	6.0
18									
20	94	5.6	76	7.4	55	7.4	31	5.6	5.6
22	142	5.9	101	5.6	82	5.6	51	4.1	23.2
MEAN	122	5.8	99	6.3	76	6.7	45	5.4	11.1

JAN.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	128	6.8	113	7.0	89	6.3	55	4.6	19.6
2	114	4.9	92	6.0	77	5.9	50	4.8	17.7
4	105	6.3	84	6.2	65	5.8	40	4.8	19.2
6	105	5.5	85	6.4	71	6.2	47	5.0	21.2
8	110	7.8	82	6.9	66	6.7	43	5.6	21.6
10	114	5.9	86	5.9	67	5.8	40	4.3	24.9
12	100	7.6	85	8.2	68	7.2	42	5.4	18.4
14	80	11.7	71	8.0	58	7.0	36	5.4	17.1
16									
18	127	5.6	96	5.1	75	4.9	47	3.4	37.7
20	132	5.3	104	6.0	81	5.4	52	3.9	34.1
22	108	8.7	92	6.8	74	6.1	45	4.3	29.3
MEAN	111	6.9	90	6.6	72	6.1	45	4.7	23.7

JAN.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	135	7.3	124	5.9	101	5.7	61	4.2	26.9
2	124	6.8	103	6.2	86	5.9	55	4.8	24.1
4	122	5.5	82	5.6	66	6.3	41	4.8	20.6
6	96	5.6	75	6.1	59	6.3	37	4.9	18.4
8	82	6.9	70	6.5	57	6.3	36	4.6	26.0
10	91	7.7	62	6.7	46	6.3	29	4.6	22.3
12	90	6.1	67	6.7	50	6.6	29	4.6	15.6
14	65	5.4	56	6.0	47	6.6	30	5.3	13.7
16	66	5.9	51	7.6	40	6.8	24	5.1	14.0
18	62	5.3	44	7.6	35	7.0	22	5.0	10.5
20	58	7.6	47	8.6	38	8.1	23	5.5	3.7
22	66	9.5	48	7.6	37	7.5	22	4.9	1.3
MEAN	88	6.6	69	6.8	55	6.6	34	4.9	16.4

JAN.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	53	7.6	42	7.7	35	6.6	22	4.4	-14.7
2	54	6.3	40	7.5	32	6.6	19	4.3	-23.3
4	46	6.8	39	8.8	31	8.1	19	5.1	-16.5
6	48	6.6	39	7.3	31	7.3	19	4.8	-18.8
8	39	6.6	34	7.9	27	7.6	17	5.3	-17.2
10	44	9.3	34	8.8	27	8.0	15	4.8	-16.6
12									
14									
16									
18									
20									
22									
MEAN	47	7.2	38	8.0	31	7.4	19	4.8	-17.8

JAN.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	153	4.4	113	5.8	89	5.6	55	4.4	27.9
18	164	4.3	112	6.8	85	6.4	50	4.6	28.1
20	163	6.8	123	5.8	93	5.9	56	4.5	28.8
22	156	9.1	120	5.8	94	5.5	59	4.5	26.2
MEAN	159	6.1	117	6.0	90	5.8	55	4.5	27.7

JAN.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	135	4.5	101	4.7	83	5.1	52	4.2	24.3
2	113	4.5	97	5.5	83	5.0	51	4.1	23.7
4	129	10.1	95	5.5	78	5.3	48	4.1	24.1
6	119	4.4	94	5.4	72	5.6	45	4.4	22.3
8	107	4.3	87	6.1	70	6.6	44	5.1	22.2
10	108	4.1	92	5.5	72	6.1	45	4.9	21.6
12									
14									
16									
18									
20									
22									
MEAN	119	5.3	94	5.4	76	5.6	48	4.5	23.0

JAN.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	116	6.6	99	4.6	83	4.6	51	3.8	27.7
4	156	5.9	110	5.2	88	5.0	53	4.0	28.2
6	158	4.9	121	5.3	93	5.3	56	4.1	27.0
8	142	4.5	109	5.8	85	5.9	52	4.6	20.5
10	165	6.8	132	5.8	99	6.3	59	4.9	22.1
12									
14									
16	125	4.1	92	4.9	68	6.1	40	4.6	17.1
18	143	4.6	110	6.1	83	6.3	48	5.0	14.2
20	131	3.9	103	5.8	78	6.7	44	4.9	14.7
22	141	4.4	95	5.6	68	5.8	41	4.4	11.5
MEAN	142	5.1	108	5.5	83	5.8	49	4.5	20.3

JAN.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	4.1	108	4.8	79	5.9	46	4.6	12.5
2	151	3.7	120	4.9	90	4.8	51	4.4	17.5
4									
6									
8									
10	211	4.1	153	6.6	104	6.8	60	6.1	11.6
12	183	4.1	121	6.1	90	6.5	52	5.7	13.6
14	153	4.1	118	5.3	86	5.6	50	5.1	13.8
16	131	6.8	114	5.1	84	6.1	50	5.1	10.1
18	160	6.5	132	4.8	93	5.4	55	4.1	11.9
20	172	7.6	143	5.6	113	5.8	69	4.6	10.8
22	226	5.4	175	6.4	138	5.8	80	4.8	11.3
MEAN	169	5.2	132	5.5	97	5.9	57	4.9	12.6

JAN.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	6.9	169	5.3	140	5.6	82	4.6	16.3
2	189	7.1	147	6.5	123	5.7	73	4.6	23.6
4	191	8.8	163	6.3	133	6.3	81	5.0	20.5
6	209	10.1	171	7.9	135	6.5	79	5.0	16.5
8	195	9.8	158	7.1	119	6.3	69	5.3	17.6
10	240	4.3	180	6.9	127	6.6	70	5.3	15.3
12									
14	212	3.9	173	7.6	140	6.5	79	5.4	12.8
16	180	3.6	138	5.1	107	5.6	65	4.7	7.1
18	206	5.3	151	4.5	116	5.1	68	4.4	19.4
20	187	8.2	152	5.9	128	5.7	74	5.0	12.5
22	188	4.1	163	4.5	131	5.5	78	4.9	16.5
MEAN	200	6.6	160	6.1	127	5.9	74	4.9	16.2

JAN.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	198	5.3	166	6.3	132	6.4	75	5.3	11.8
4	227	14.2	167	5.9	126	5.6	72	5.3	13.4
6	188	8.4	141	5.5	108	6.6	63	5.5	11.9
8	187	4.4	152	5.5	113	6.3	66	5.7	18.4
10	202	7.6	165	6.7	122	6.6	71	5.6	17.1
12	171	11.3	138	5.8	98	6.1	55	4.8	18.5
14	183	3.9	140	5.9	104	5.8	59	4.8	24.3
16	153	3.3	122	5.6	90	5.5	51	4.4	18.5
18	177	3.6	143	6.0	100	5.3	55	4.6	17.9
20	172	3.6	134	4.3	93	6.0	53	5.2	17.4
22	163	3.4	109	4.8	72	6.1	41	4.5	15.5
MEAN	184	6.3	143	5.7	105	6.0	60	5.1	16.8

JAN.31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	158	13.5	115	7.0	82	6.5	46	5.0	16.9
2	186	3.9	120	6.6	79	6.6	43	5.0	16.2
4	191	3.5	118	4.8	79	6.3	45	5.2	17.7
6	178	3.8	117	7.0	81	6.9	46	6.1	15.7
8	183	4.2	144	4.5	96	6.9	48	6.0	15.6
10	216	4.1	186	7.2	120	7.5	63	6.8	16.3
12									
14									
16									
18									
20									
22									
MEAN	185	5.5	133	6.2	90	6.8	49	5.7	16.4

FEB. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	146	5.1	114	4.8	91	4.8	56	3.9	25.7
20	143	5.0	108	4.9	84	4.8	52	4.1	22.8
22	126	5.1	103	4.6	82	4.7	50	3.8	19.4
MEAN	138	5.1	108	4.8	86	4.8	53	3.9	22.6

FEB. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	154	5.1	114	5.0	88	4.8	55	3.8	18.6
2	141	4.1	110	4.5	85	4.6	53	3.6	13.3
4	140	3.8	107	4.6	86	4.8	52	3.5	7.9
6	124	3.3	101	4.4	81	4.5	51	3.4	5.2
8	114	5.8	91	5.0	75	5.4	46	4.1	10.9
10	146	3.6	110	5.4	82	5.4	50	4.4	6.6
12	141	4.3	101	5.3	80	5.6	53	4.9	1.3
14	180	8.9	108	6.2	84	6.1	54	5.1	2.2
16	138	7.1	101	6.0	77	6.1	46	4.8	5.5
18	125	6.6	92	5.4	70	5.8	44	4.8	4.0
20	122	6.6	92	3.9	67	5.1	38	4.4	4.1
22	133	3.5	85	4.4	63	5.1	35	4.0	11.1
MEAN	138	5.2	101	5.0	78	5.3	48	4.2	7.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	FEB. 4.1985 TMEAM (SEC)	THETA (DEG)
0	110	5.5	85	4.5	65	5.1	40	4.3	15.1
2	109	4.2	79	5.9	62	5.5	38	4.3	19.4
4	95	4.1	76	5.2	63	5.7	39	4.1	20.2
6	150	5.6	88	5.7	70	5.9	42	4.4	23.1
8	136	3.6	92	5.3	69	5.8	42	4.8	21.7
10	101	10.7	80	5.8	65	5.9	40	4.8	23.6
12	109	6.0	86	6.3	68	5.8	42	4.9	18.7
14	96	6.9	61	5.9	50	5.6	32	4.3	12.1
16	86	5.4	64	6.8	48	6.1	28	4.3	6.1
18	71	4.0	56	6.4	43	5.8	27	4.1	-8.9
20	89	3.7	68	4.1	51	4.8	33	4.3	1.0
22	90	3.5	70	4.1	49	4.9	30	3.9	2.1
MEAN	104	5.3	75	5.5	59	5.6	36	4.4	12.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	FEB. 7.1985 TMEAM (SEC)	THETA (DEG)
0	117	6.4	100	5.8	83	4.9	48	4.1	-0.3
2	157	5.5	131	5.8	99	5.7	56	4.7	6.6
4	216	7.6	159	7.1	119	7.4	70	6.3	3.7
6	189	8.7	137	7.8	102	7.8	57	5.8	6.3
8	127	7.8	97	6.8	80	7.0	46	5.3	4.8
10	163	4.0	145	6.4	108	6.8	60	5.7	7.4
12	151	6.1	123	6.4	95	6.3	55	5.1	3.7
14	185	5.3	146	5.9	108	6.8	61	5.3	6.3
16									
18									
20									
22									
MEAN	163	6.4	130	6.5	99	6.6	57	5.3	4.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	FEB. 5.1985 TMEAM (SEC)	THETA (DEG)
0	123	3.9	72	4.6	51	5.6	29	4.3	7.7
2	70	10.8	58	7.8	46	7.2	28	5.1	4.5
4	73	8.4	62	7.8	46	7.1	27	4.8	4.7
6	105	4.8	82	4.1	64	4.1	40	3.2	25.6
8	169	3.5	125	3.8	94	4.3	58	3.4	27.5
10	168	6.0	129	4.8	101	4.5	63	3.8	18.8
12	174	4.6	133	4.8	104	4.8	63	3.8	16.2
14	232	4.4	137	4.6	105	4.8	65	3.9	14.9
16	186	6.0	143	5.1	111	4.9	69	4.2	13.0
18	184	6.4	145	5.1	117	5.0	73	4.0	24.0
20	162	5.3	125	4.6	97	4.4	58	3.6	23.9
22	135	4.8	105	4.8	83	4.4	50	3.6	8.8
MEAN	148	5.7	110	5.2	85	5.1	52	4.0	15.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	FEB. 8.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	FEB. 6.1985 TMEAM (SEC)	THETA (DEG)
0	127	6.4	101	4.3	84	4.5	53	3.6	2.1
2	191	7.8	161	5.9	133	5.8	84	4.6	4.3
4	231	5.1	177	5.7	145	5.8	90	4.8	8.8
6	253	5.5	192	6.6	155	6.3	93	5.1	7.5
8	192	3.4	168	5.5	141	6.3	84	4.9	2.5
10	201	9.8	161	7.1	136	6.8	84	5.3	4.4
12	186	9.8	161	7.9	140	6.6	88	5.5	4.1
14	181	8.8	166	6.6	141	7.0	81	5.6	3.4
16	204	6.7	164	6.8	127	6.9	76	5.8	1.7
18									
20	184	5.3	153	7.1	122	6.4	66	4.9	7.1
22	137	2.7	107	6.1	80	4.8	46	4.1	-1.8
MEAN	190	6.5	156	6.3	128	6.1	77	4.9	4.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	FEB. 9.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	175	8.9	150	6.1	123	5.6	68	5.3	20.0
16	212	15.0	168	8.5	128	6.6	72	5.7	22.8
18	250	12.5	186	6.9	142	6.8	79	5.7	18.3
20	221	13.4	185	8.8	148	7.3	79	5.8	20.4
22	230	3.5	194	6.4	149	6.3	80	5.6	17.5
MEAN	218	10.7	177	7.3	138	6.5	76	5.6	19.8

FEB.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	196	13.2	174	7.1	128	6.1	73	5.3	24.6
2	203	8.8	167	6.9	132	6.0	71	5.8	20.2
4	193	4.8	156	5.8	117	6.6	67	5.8	23.0
6	229	4.4	186	8.8	142	8.0	79	6.3	19.4
8	200	9.9	157	6.3	119	7.6	68	6.0	21.0
10	201	5.6	176	6.9	135	6.5	77	5.8	20.3
12	183	4.9	158	7.6	131	6.8	79	5.4	22.9
14	178	10.3	139	5.5	110	5.4	64	4.9	19.6
16	185	3.9	148	5.9	121	5.8	71	5.1	11.1
18	203	11.0	170	7.4	128	5.9	75	5.6	22.5
20	205	4.1	144	5.6	114	6.3	69	5.8	18.2
22	189	6.0	139	5.4	106	6.8	63	6.1	17.1
MEAN	197	7.2	160	6.6	124	6.5	71	5.7	20.0

FEB.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	193	12.9	146	7.8	106	7.3	60	6.0	16.5
2	210	6.3	167	7.8	117	7.1	66	5.9	18.3
4	197	8.1	165	6.4	120	7.1	67	5.8	16.4
6	166	5.1	141	5.8	103	7.8	60	6.3	20.1
8	164	5.6	142	6.6	106	7.2	63	6.1	19.9
10	224	12.4	141	9.1	98	8.1	60	6.2	16.4
12	166	9.0	133	6.2	101	6.8	59	5.3	17.7
14									
16	155	3.3	125	4.8	95	5.4	57	4.1	22.9
18	125	3.3	103	5.3	82	5.3	52	4.1	27.6
20	163	5.1	123	5.1	100	5.3	61	4.1	29.4
22	338	4.3	156	5.5	117	5.6	71	4.5	26.8
MEAN	191	6.9	140	6.4	104	6.6	61	5.3	21.1

FEB.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	160	7.6	129	5.8	102	5.3	64	4.1	31.0
2	182	7.6	135	5.3	107	5.7	67	4.5	23.7
4	150	4.9	115	5.6	88	6.3	55	5.1	23.7
6	156	6.0	112	6.9	85	7.0	55	5.6	23.2
8	126	10.5	100	8.3	76	6.8	49	5.4	23.4
10	104	8.3	77	7.1	64	7.5	42	5.9	24.1
12	100	7.9	78	7.8	59	7.6	35	5.5	21.5
14	84	5.2	64	7.9	48	7.6	30	5.4	19.0
16	111	5.1	70	5.4	51	5.4	30	3.7	38.5
18	68	11.6	49	6.9	37	5.5	24	3.5	57.3
20	67	5.3	40	8.1	30	7.3	17	4.2	25.1
22	65	6.4	57	7.9	45	8.3	24	5.9	21.7
MEAN	114	7.2	86	6.9	66	6.7	41	4.9	27.7

FEB.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	62	9.0	48	6.3	37	5.8	22	3.6	15.0
2									
4	86	5.6	60	6.1	46	5.5	27	3.4	14.4
6	82	5.1	59	5.6	44	4.3	28	2.8	39.0
8	70	5.9	53	5.8	40	4.6	26	3.1	99.0
10	100	5.5	55	7.1	41	5.0	25	3.1	75.7
12	79	7.1	64	6.2	52	5.4	31	3.6	75.9
14	94	4.8	63	5.6	50	4.8	31	3.3	60.5
16	95	4.9	71	6.4	57	5.5	34	3.7	52.1
18	92	5.1	69	6.6	53	6.1	33	4.1	38.3
20	82	5.6	61	6.3	50	6.1	30	4.5	29.2
22	87	7.8	65	6.9	47	6.8	26	4.4	21.6
MEAN	84	6.0	61	6.3	47	5.4	28	3.6	47.3

FEB.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	79	5.0	64	8.0	49	8.8	28	5.8	25.7
2	80	8.8	66	8.7	49	9.4	31	6.8	27.4
4	90	8.5	66	9.4	52	9.1	31	6.8	22.9
6	106	5.5	68	8.1	55	9.0	36	7.3	26.3
8	114	5.1	91	9.0	66	8.1	40	6.2	25.9
10									
12	119	4.8	90	6.6	72	6.8	46	5.7	26.5
14	150	8.4	108	8.9	82	8.0	51	6.1	24.4
16	179	9.1	143	5.9	106	6.8	62	5.6	24.6
18	152	10.0	120	5.8	93	5.9	56	5.3	23.4
20	126	4.3	99	5.2	78	6.3	47	4.9	24.8
22	132	5.6	103	5.3	77	5.8	45	5.0	22.6
MEAN	121	6.8	93	7.4	71	7.6	43	6.0	25.0

FEB.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	4.3	113	5.3	87	6.1	54	4.7	22.9
2	155	3.9	122	5.6	93	5.1	58	3.8	31.9
4	179	4.5	120	6.0	94	6.5	58	4.9	24.5
6	185	8.8	137	6.6	97	6.7	57	4.9	22.6
8	190	4.8	152	5.9	117	6.1	72	4.8	26.3
10	197	3.8	151	5.8	120	6.1	78	4.6	27.9
12	201	9.0	176	6.3	138	6.7	87	5.1	27.6
14	189	9.8	163	6.5	128	6.2	78	4.8	27.5
16	203	4.0	155	6.1	122	6.1	74	4.7	27.8
18	190	9.5	138	5.9	115	5.4	69	4.6	26.0
20	170	4.3	125	5.4	101	4.8	60	4.3	25.7
22	175	8.4	131	5.3	102	4.8	58	4.2	24.2
MEAN	181	6.3	140	5.9	110	5.9	67	4.6	26.2

FEB.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	4.2	151	5.1	119	5.1	72	4.9	24.1
2	233	5.3	149	6.2	111	6.1	66	4.8	24.0
4	203	4.8	164	7.1	116	6.6	67	5.4	22.0
6	171	5.4	126	6.9	97	6.9	61	5.8	21.7
8	169	8.5	144	5.9	114	6.6	67	5.6	19.6
10	179	6.0	154	7.3	118	6.8	66	5.3	21.3
12	186	10.8	146	6.8	117	6.8	73	5.8	23.1
14	196	4.7	156	7.5	120	7.0	70	5.2	21.0
16	193	7.4	163	6.6	122	7.3	73	5.6	23.0
18	181	6.5	147	7.3	116	6.1	68	4.9	23.4
20	137	3.8	112	5.0	93	4.8	59	4.2	20.9
22	155	4.5	110	4.6	86	5.0	52	4.0	25.7
MEAN	182	6.0	144	6.4	111	6.3	66	5.1	22.5

FEB.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	154	5.3	127	5.7	99	5.1	60	4.4	27.7
2	224	9.1	161	7.1	129	6.7	81	5.3	21.1
4	229	4.7	195	8.3	155	7.9	88	5.8	15.9
6	256	4.8	200	6.1	150	7.2	86	6.3	21.0
8	233	4.1	196	6.8	158	6.3	92	5.9	19.2
10	229	13.8	195	10.1	159	7.7	92	6.5	23.0
12	239	8.3	199	9.5	167	7.1	99	6.3	6.8
14	242	8.7	202	8.4	166	6.9	95	6.0	7.0
16	218	9.1	194	8.3	162	7.1	97	5.6	19.0
18									
20									
22									
MEAN	225	7.5	185	7.8	149	6.9	88	5.8	17.9

FEB.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10	286	9.0	236	9.8	195	8.8	114	6.6	6.0
12	236	11.1	211	8.8	182	8.0	111	6.3	2.6
14	232	3.8	188	6.9	157	7.1	90	5.8	4.2
16	211	9.8	182	8.6	157	7.4	94	5.8	5.9
18	185	9.9	158	8.2	129	6.6	77	5.5	5.4
20	205	9.8	178	7.9	144	7.6	84	5.8	14.9
22	232	9.4	180	8.4	149	7.8	87	5.8	3.6
MEAN	227	9.0	190	8.4	159	7.6	94	5.9	6.1

MAR. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	7.3	186	9.8	150	8.8	87	6.3	7.1
2	217	8.1	201	9.8	166	8.5	92	6.2	5.6
4	320	5.8	237	9.4	180	9.4	104	7.1	4.9
6	273	7.6	231	9.9	185	9.8	110	7.8	7.9
8	276	11.3	206	9.6	147	8.8	87	7.0	8.1
10	244	9.5	205	8.5	153	8.3	90	6.9	8.9
12	248	10.8	213	10.3	167	9.0	95	7.0	7.7
14	249	11.0	226	11.0	192	9.5	111	6.7	4.3
16	236	6.1	187	8.6	152	7.6	86	5.6	9.9
18	193	9.9	171	9.3	148	9.0	100	6.6	18.9
20	191	7.3	166	8.0	132	7.5	79	5.6	7.1
22	224	10.1	193	8.3	158	8.6	99	6.3	18.0
MEAN	243	8.7	202	9.4	161	8.7	95	6.6	9.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	4.1985 THETA (DEG)
0	222	7.1	192	9.4	167	8.1	104	6.2	17.6
2	253	9.8	211	7.9	172	7.4	103	6.1	14.2
4	280	6.8	208	8.6	166	7.8	96	5.9	14.2
6	278	8.8	194	8.5	143	7.3	82	5.7	17.5
8	224	9.9	190	8.4	154	7.9	92	5.8	22.6
10	244	9.4	177	7.4	132	7.0	81	5.4	23.7
12	208	4.3	141	6.8	103	7.9	61	5.7	20.3
14	168	6.7	131	5.8	100	6.3	59	4.8	24.4
16	162	4.6	133	6.8	101	6.8	60	4.8	10.7
18	159	6.0	123	7.6	90	6.4	52	4.9	9.7
20	142	8.9	118	7.3	89	5.9	47	4.3	8.6
22	124	8.2	100	6.9	74	6.1	43	4.4	9.0
MEAN	205	7.5	160	7.6	124	7.1	73	5.3	16.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	7.1985 THETA (DEG)
0	170	10.8	138	8.0	108	6.8	60	5.3	1.9
2	218	10.4	183	9.0	135	8.0	71	5.7	3.9
4	165	8.3	125	8.8	99	8.5	57	5.8	5.4
6	211	6.0	139	8.2	110	8.6	67	6.1	7.3
8	179	10.3	138	8.8	105	7.6	62	6.0	6.9
10	175	10.4	124	7.9	95	7.4	55	5.5	4.7
12	157	9.1	116	7.9	88	8.0	51	5.6	3.3
14	159	9.5	126	8.3	104	7.8	64	6.2	2.9
16									
18	136	9.8	103	7.4	83	7.1	51	5.5	5.3
20	129	6.1	109	7.3	84	7.0	48	4.9	5.1
22	151	9.7	118	7.6	88	6.5	52	4.8	10.1
MEAN	168	9.1	129	8.1	100	7.6	58	5.6	5.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	5.1985 THETA (DEG)
0	132	7.2	100	8.8	74	7.6	44	5.3	7.4
2	135	8.3	104	8.2	78	7.7	46	5.0	4.8
4	95	6.9	78	6.9	63	6.1	40	4.3	-1.1
6	113	6.9	92	7.3	74	6.8	45	4.8	2.7
8	105	7.3	83	7.6	64	6.0	38	4.1	6.0
10	110	9.0	93	8.3	72	6.9	44	4.8	7.2
12	163	6.1	113	6.8	84	6.9	52	5.5	1.8
14	147	7.3	120	8.2	96	7.7	57	5.8	4.3
16	138	6.6	112	7.2	90	7.2	53	5.4	-1.7
18	184	7.4	128	7.8	98	6.9	58	5.1	-0.1
20	167	8.7	125	8.1	96	6.8	53	4.7	-3.6
22	157	6.5	130	7.2	101	7.8	56	5.6	0.3
MEAN	137	7.3	107	7.7	83	7.0	49	5.0	2.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	8.1985 THETA (DEG)
0	132	8.4	83	6.2	60	5.3	35	3.6	11.3
2									
4	135	7.6	101	8.3	72	7.8	44	6.1	6.2
6	107	11.0	84	9.8	68	8.8	43	6.6	5.5
8	101	10.3	79	6.6	57	5.6	34	3.5	14.7
10	100	6.6	77	6.3	60	5.6	37	3.8	22.2
12	150	8.0	94	5.8	66	5.2	40	3.7	19.7
14	118	10.5	82	8.1	63	6.2	39	4.1	19.9
16	119	9.6	94	9.0	73	7.6	45	5.1	5.0
18	107	10.9	88	8.3	72	7.6	45	5.7	1.1
20	118	4.5	102	7.1	79	7.3	47	5.3	1.7
22	155	3.8	109	7.7	80	7.6	48	5.6	4.9
MEAN	122	8.3	90	7.6	68	6.8	42	4.8	10.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	6.1985 THETA (DEG)
0	178	9.3	156	8.3	119	7.4	67	5.9	-2.0
2	219	9.6	151	9.3	114	8.1	65	6.4	-2.9
4	277	7.8	188	9.5	133	8.4	77	6.1	5.0
6	277	11.0	217	8.2	160	7.6	90	5.6	4.3
8	252	10.5	207	9.0	167	7.4	98	5.4	12.2
10	207	9.0	185	8.0	155	7.4	93	5.7	11.0
12	232	9.5	202	9.0	158	7.4	92	5.8	5.6
14	244	10.3	198	6.4	152	6.7	90	5.6	8.2
16	258	9.3	205	8.3	156	7.8	86	5.5	9.1
18	198	11.2	173	7.8	136	7.1	79	5.3	11.7
20	174	8.4	152	8.0	121	6.6	67	5.1	1.3
22	161	10.1	129	8.8	105	7.4	61	5.3	-0.3
MEAN	223	9.7	180	8.4	140	7.4	80	5.6	5.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	9.1985 THETA (DEG)
0	120	7.0	94	5.8	68	5.9	41	4.3	2.4
2	156	9.8	113	8.3	90	7.9	53	5.6	1.9
4	164	5.0	130	7.8	97	7.6	58	5.8	-2.4
6	254	9.8	156	8.1	119	7.6	73	6.1	-6.1
8	193	9.1	152	8.5	122	8.4	73	6.3	-4.2
10	203	10.6	183	9.3	150	7.9	87	6.1	-7.5
12									
14									
16									
18									
20									
22									
MEAN	182	8.5	138	8.0	108	7.5	64	5.7	-2.6

MAR.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	255	10.8	166	8.9	119	7.9	69	5.8	8.6
16	178	6.9	146	8.0	115	7.9	69	5.8	10.4
18	172	9.0	147	8.4	114	7.1	68	5.5	7.9
20	163	8.8	145	8.1	119	8.1	72	6.3	7.1
22	192	5.8	144	8.3	110	8.1	69	6.4	9.7
MEAN	192	8.3	150	8.3	115	7.8	69	6.0	8.7

MAR.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	9.9	128	8.4	100	8.6	61	6.7	6.3
2	144	11.5	116	9.1	91	8.9	53	6.1	7.4
4	138	7.8	110	7.1	89	8.3	59	7.0	7.6
6	152	8.8	122	8.2	104	9.0	60	6.4	6.2
8	143	8.3	120	8.5	99	8.6	59	6.8	6.3
10	177	7.6	137	8.8	99	8.2	56	6.1	9.0
12	163	10.5	127	8.9	105	9.0	64	7.4	4.6
14	178	7.8	148	9.4	114	9.1	65	6.7	4.0
16	178	6.3	141	8.5	111	8.9	67	6.9	3.8
18	153	11.0	129	9.8	106	8.8	63	6.5	6.2
20	171	9.7	151	8.7	121	7.7	67	5.1	3.1
22	224	10.4	166	8.4	131	7.4	75	5.3	1.6
MEAN	164	9.1	133	8.6	106	8.5	62	6.4	5.5

MAR.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	9.6	180	7.9	141	7.4	86	5.4	4.3
2	239	8.5	211	8.7	182	8.8	109	6.6	-0.1
4	284	10.2	226	9.3	186	9.0	117	6.8	0.0
6	238	7.8	207	8.8	177	8.5	109	6.5	-4.9
8	218	9.3	189	8.8	152	7.9	87	5.6	0.6
10	239	8.0	216	8.6	171	8.8	103	6.5	1.9
12	239	10.9	204	8.9	171	8.4	104	6.4	4.6
14	232	8.8	185	8.5	139	8.3	80	5.7	7.6
16	230	10.4	186	7.9	140	7.8	86	5.6	11.1
18	213	6.1	165	7.5	127	6.8	78	5.3	7.8
20	174	8.1	143	8.0	115	7.1	72	5.5	10.5
22	179	9.1	152	8.4	116	7.3	70	5.6	5.5
MEAN	224	8.9	189	8.4	151	8.0	92	6.0	4.1

MAR.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	10.7	149	8.6	115	7.8	70	5.7	9.8
2	188	8.8	150	8.3	112	7.0	65	4.7	12.1
4	180	8.3	160	8.5	123	7.6	70	4.9	10.8
6	181	10.1	140	7.8	106	6.6	63	4.6	18.1
8	191	10.3	155	8.3	117	7.6	70	5.1	13.9
10									
12	195	9.2	148	8.5	110	6.9	65	4.6	19.5
14	209	5.6	168	6.0	135	5.8	88	4.7	25.4
16	208	5.6	178	5.9	145	5.9	94	4.9	24.6
18	215	6.0	183	6.4	149	6.3	94	5.0	23.1
20	186	6.6	156	6.4	132	6.0	85	4.9	22.3
22	185	7.4	149	6.8	127	6.3	87	5.1	18.1
MEAN	192	8.1	158	7.4	125	6.7	77	4.9	18.0

MAR.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	255	5.6	182	6.8	154	6.5	103	5.3	13.9
2	221	9.0	199	7.5	167	7.1	110	5.5	12.6
4	248	8.2	208	7.3	174	7.1	114	5.5	11.7
6	234	5.9	208	6.9	175	7.1	114	5.7	10.9
8	216	6.6	193	6.8	160	6.8	101	5.4	10.2
10	299	9.3	191	8.9	153	7.3	98	5.4	8.5
12	205	8.3	183	7.6	153	7.4	97	6.1	9.9
14	230	8.2	194	8.3	158	7.5	97	5.6	9.1
16	227	9.3	172	8.7	142	7.9	86	5.8	9.3
18	212	9.4	170	8.8	132	8.0	74	5.4	7.4
20	189	8.7	162	8.6	135	7.7	83	5.9	5.2
22	166	10.9	154	9.1	130	8.8	83	6.4	3.3
MEAN	225	8.3	185	7.9	153	7.4	97	5.7	9.3

MAR.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	198	10.8	173	8.8	138	8.1	80	5.6	8.2
2	213	8.8	182	8.8	149	8.4	88	6.1	6.9
4	292	9.3	193	8.7	137	8.9	77	6.4	5.7
6	211	7.1	171	8.8	127	7.6	75	5.6	6.7
8	217	10.1	174	9.9	141	8.4	77	5.6	6.7
10	199	10.5	168	7.9	134	7.5	84	5.6	5.5
12	256	7.3	207	9.5	175	8.9	113	6.6	2.6
14	291	11.8	216	9.6	182	7.8	114	5.8	0.7
16	314	5.0	259	8.9	208	8.3	133	6.6	9.2
18	262	7.3	217	7.8	178	7.3	110	5.8	1.8
20	210	10.1	176	8.3	148	7.3	92	5.6	1.6
22	190	8.9	169	9.8	143	8.4	91	6.1	-1.0
MEAN	238	8.9	192	8.9	155	8.1	95	5.9	4.5

MAR.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	11.4	173	9.3	143	8.4	88	6.0	0.2
2									
4									
6	333	8.0	235	9.1	194	8.5	128	6.8	-0.6
8	236	10.8	205	10.3	167	8.3	102	6.3	4.7
10	172	9.1	160	10.3	138	8.9	90	6.8	3.4
12	189	11.0	170	8.8	142	7.8	91	6.1	6.1
14	218	11.7	196	9.7	166	8.6	104	6.5	9.8
16	250	12.1	224	10.8	181	9.4	111	6.7	8.5
18	243	10.8	212	10.1	169	8.9	100	6.3	5.4
20	203	12.1	187	9.9	156	8.3	95	6.1	9.7
22	173	8.8	152	8.6	130	7.5	79	5.9	-1.2
MEAN	221	10.6	191	9.7	159	8.5	99	6.3	4.6

MAR.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	203	10.9	158	9.3	132	8.3	83	6.2	2.1
2	196	6.6	171	8.3	151	7.6	94	5.8	9.6
4	255	8.4	217	9.8	169	8.3	93	6.2	6.0
6	229	11.3	203	10.5	177	8.9	107	6.3	16.6
8	260	5.5	181	8.6	147	7.3	90	5.6	12.2
10	162	7.4	139	8.9	118	6.6	73	5.1	7.4
12	162	9.3	142	7.8	123	6.5	78	5.2	11.6
14	189	10.0	171	8.5	146	8.1	90	5.9	17.8
16	210	9.1	177	7.8	149	7.1	88	5.3	17.0
18									
20	202	11.8	176	8.3	145	7.4	88	5.3	21.3
22	171	11.6	151	7.8	123	7.1	76	5.3	19.1
MEAN	204	9.3	171	8.7	144	7.6	87	5.7	12.8

MAR.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	7.5	146	9.3	125	7.3	76	5.4	23.2
2	171	11.1	147	8.3	122	6.9	78	5.4	19.6
4	207	8.5	170	7.5	138	6.8	86	5.1	19.0
6	269	5.6	195	7.7	157	7.1	94	5.1	14.8
8	185	4.9	159	6.6	134	6.4	89	5.0	13.7
10	161	8.8	135	8.1	117	7.2	79	5.4	22.1
12	160	7.9	136	7.9	115	6.9	73	5.1	25.0
14	168	5.4	150	7.8	129	6.8	84	5.1	16.3
16	182	5.8	161	7.5	136	6.9	82	4.9	8.8
18	250	7.5	175	7.2	135	6.8	82	5.1	6.1
20	192	7.4	166	8.3	134	7.4	77	5.1	6.3
22	179	6.9	152	6.9	122	6.8	71	5.4	6.9
MEAN	192	7.3	158	7.8	130	6.9	81	5.2	15.1

MAR.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	9.4	148	7.6	124	7.1	76	5.3	5.1
2	187	7.4	158	9.0	115	7.4	65	5.6	5.6
4	257	11.9	176	9.1	124	8.4	69	5.9	7.7
6									
8									
10	182	7.3	152	9.1	118	7.9	65	5.9	8.1
12	157	10.3	138	9.1	119	7.8	71	6.0	1.2
14	169	7.4	137	8.1	108	7.3	62	5.8	3.8
16	192	8.0	169	8.6	128	8.1	76	6.0	3.2
18	170	8.0	141	9.1	108	8.8	63	6.1	2.9
20	214	9.4	166	9.3	119	8.5	64	5.9	-0.3
22	195	4.8	153	9.0	114	7.6	66	6.1	5.4
MEAN	189	8.4	154	8.8	118	7.9	68	5.9	4.3

MAR.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	207	7.6	158	6.8	121	6.9	68	5.9	-3.0
2	225	11.4	181	9.2	143	7.8	86	6.3	-4.3
4	229	5.1	184	8.0	142	7.9	83	6.5	-6.8
6	264	6.1	202	7.8	153	7.9	89	6.4	-6.8
8	219	8.3	201	9.1	164	7.9	96	6.4	-2.2
10	236	8.1	177	8.1	146	7.6	85	6.0	-4.1
12	196	7.3	157	6.8	124	6.6	68	5.5	-2.1
14	188	8.6	156	8.7	124	7.0	67	5.6	3.1
16	205	7.4	171	7.1	123	8.3	71	6.6	3.0
18	232	10.4	190	9.1	138	7.9	76	5.9	4.6
20	209	10.4	189	10.4	153	8.1	85	5.8	5.4
22	192	11.5	167	9.3	129	7.3	73	5.1	12.1
MEAN	217	8.5	178	8.4	138	7.6	79	6.0	-0.1

MAR.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	205	9.6	175	8.0	146	7.1	85	5.6	18.1
2	180	6.9	163	8.1	137	6.5	84	5.4	18.5
4	229	5.8	196	7.6	163	6.8	99	5.3	17.4
6	227	13.4	196	9.9	164	8.0	106	6.1	16.8
8	209	6.4	191	6.9	159	7.3	100	5.8	20.9
10	206	8.5	169	7.6	134	7.0	82	5.6	17.7
12	163	7.3	152	10.6	129	8.8	80	6.4	14.1
14	188	10.4	150	7.8	127	6.8	78	5.1	16.0
16	190	10.7	163	8.9	139	7.6	88	5.7	17.3
18	226	3.6	207	6.6	180	7.3	118	6.1	7.0
20	295	8.1	235	8.2	192	8.1	122	6.1	9.1
22									
MEAN	211	8.2	182	8.2	152	7.4	95	5.7	15.7

MAR.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	286	7.4	226	8.9	177	8.5	113	6.8	9.1
2	277	14.9	217	10.1	175	8.4	107	6.1	16.3
4	288	10.0	232	9.4	189	8.5	115	6.5	13.7
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	284	10.8	225	9.5	180	8.5	112	6.5	13.0

MAR.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 1.1985 TMEAM (SEC)	THETA (DEG)
0	223	20.4	189	11.9	157	8.8	90	6.9	14.7
2	233	15.1	188	11.2	148	7.8	81	6.9	19.0
4	267	9.0	214	9.6	178	8.0	98	7.1	19.3
6	231	9.4	202	9.8	164	9.6	89	7.4	16.9
8	226	11.8	198	8.6	155	7.3	85	6.6	17.3
10	208	12.8	180	11.0	152	10.5	90	8.0	16.2
12	210	9.5	178	10.3	147	8.9	80	7.1	17.7
14	201	13.7	172	11.0	135	9.2	67	6.4	17.5
16	166	9.3	139	8.7	111	6.8	60	5.9	16.8
18	169	7.7	132	7.4	104	5.9	58	5.6	11.2
20	158	15.1	136	9.6	108	7.1	56	5.4	20.8
22	161	9.2	140	8.2	120	7.1	64	6.1	14.5
MEAN	204	11.9	172	9.8	140	8.1	77	6.6	16.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 4.1985 TMEAM (SEC)	THETA (DEG)
0	166	6.8	137	7.6	113	6.7	69	5.6	-4.6
2	169	7.9	153	7.4	130	7.3	83	6.2	-11.0
4	197	7.8	161	8.5	131	7.6	82	6.4	-6.8
6	215	9.0	163	7.1	125	7.0	73	5.4	-7.2
8	177	8.0	159	8.4	137	7.3	89	5.9	-7.7
10	155	7.2	141	6.7	116	6.8	70	5.1	-4.9
12	198	8.3	172	8.5	147	8.2	98	6.6	-10.1
14	207	9.6	185	8.9	155	8.0	100	6.1	-5.6
16									
18	202	7.4	165	7.1	138	6.8	82	5.3	-8.6
20	152	8.2	134	8.1	112	6.8	70	5.3	-7.0
22	164	5.9	131	7.6	107	5.9	63	4.9	-3.7
MEAN	182	7.8	155	7.8	128	7.1	80	5.7	-7.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 2.1985 TMEAM (SEC)	THETA (DEG)
0	200	9.7	153	7.8	112	8.2	60	6.6	16.4
2	218	5.2	163	8.0	116	8.6	64	6.6	13.4
4	203	7.8	154	8.6	111	9.0	63	7.3	12.7
6	216	8.8	180	9.5	143	9.0	74	6.9	15.7
8	211	10.1	185	8.7	150	9.2	80	6.9	8.3
10	171	9.2	146	9.7	108	9.1	59	6.9	12.7
12	210	11.9	176	8.9	121	8.6	64	6.8	7.9
14	190	12.5	155	8.1	106	8.8	53	5.9	12.3
16	154	7.3	124	7.6	86	7.6	45	5.3	9.5
18	179	9.5	156	9.0	123	6.9	64	5.4	11.2
20	145	4.7	118	6.9	89	6.6	47	5.3	20.0
22	189	9.9	150	7.9	118	7.0	60	5.8	19.0
MEAN	191	8.9	155	8.4	115	8.2	61	6.3	13.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 5.1985 TMEAM (SEC)	THETA (DEG)
0	173	7.4	152	8.3	129	7.3	82	5.9	-4.7
2	237	11.7	199	9.3	168	8.3	103	6.3	-4.6
4	231	6.8	198	10.2	169	9.5	103	6.6	-1.7
6	234	9.7	195	10.8	165	9.8	103	7.1	-6.2
8	168	8.7	147	10.0	126	8.0	79	6.3	0.8
10	188	8.4	151	10.3	127	9.1	80	6.6	-0.4
12	211	5.5	162	8.6	138	7.6	86	6.2	-0.1
14	221	9.4	198	10.6	159	8.2	92	6.5	1.3
16									
18									
20									
22									
MEAN	208	8.4	175	9.8	148	8.5	91	6.4	-1.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 3.1985 TMEAM (SEC)	THETA (DEG)
0	169	13.3	124	8.4	85	8.1	45	5.7	9.5
2	141	4.9	103	7.8	75	8.9	43	6.9	3.3
4	122	8.5	101	10.2	76	9.2	45	6.8	5.8
6	162	6.2	124	8.0	91	7.8	53	6.4	8.4
8	167	8.3	118	7.9	87	7.6	47	5.8	7.1
10	144	5.6	124	6.1	91	7.5	51	6.0	3.6
12	118	9.5	104	8.8	77	8.1	43	5.8	1.3
14	208	6.3	106	6.7	77	5.8	45	4.3	-9.3
16	131	4.7	108	6.7	78	6.1	46	4.4	-6.7
18	148	7.3	105	6.9	76	6.5	43	4.6	-0.1
20	129	8.4	96	6.7	72	6.3	43	4.8	-4.1
22	130	8.0	104	6.6	84	7.1	50	5.3	-4.3
MEAN	147	7.6	110	7.6	81	7.4	46	5.6	1.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 6.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	202	12.1	165	8.0	126	8.7	71	6.3	6.4
20	163	11.5	148	8.5	124	7.3	71	6.3	3.7
22									
MEAN	183	11.8	157	8.3	125	8.0	71	6.3	5.0

APR. 7.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	167	11.8	137	8.3	110	7.0	59	5.6	-4.8
2	210	9.0	169	8.1	132	7.4	71	6.3	-1.6
4	208	9.9	157	8.9	122	8.7	66	6.8	5.6
6	207	9.5	156	9.0	118	8.9	62	6.5	5.4
8									
10	161	12.0	128	8.3	102	6.8	61	5.6	7.2
12	140	7.5	113	7.7	89	5.8	48	4.6	-4.5
14									
16	195	7.9	151	8.1	110	8.0	60	5.8	3.2
18	152	9.3	130	9.2	108	8.8	62	6.5	5.3
20	218	7.3	163	8.1	121	7.4	66	5.6	1.9
22	183	9.8	153	8.6	119	6.9	67	5.3	0.4
MEAN	184	9.4	146	8.4	113	7.6	62	5.9	1.8

APR.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	5.0	182	7.8	157	6.8	98	5.8	11.4
2	207	7.8	176	7.6	144	6.8	88	5.4	8.5
4	262	10.4	213	8.3	179	7.9	110	6.4	11.0
6	222	8.9	186	8.8	152	7.6	96	5.9	10.9
8	256	7.1	203	8.8	170	8.6	110	6.5	18.3
10	272	5.8	163	7.3	128	6.8	80	5.2	20.7
12	147	9.3	121	6.2	101	5.6	65	4.6	24.7
14	166	4.2	131	6.0	109	5.8	70	4.6	13.9
16	147	8.3	123	6.4	101	5.5	61	4.4	10.8
18	160	7.0	140	6.1	117	6.1	67	4.8	10.7
20	216	5.4	152	7.7	119	7.8	72	6.1	13.4
22	173	6.6	150	7.8	124	7.8	75	5.9	13.3
MEAN	204	7.1	162	7.4	133	6.9	83	5.5	14.0

APR. 8.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	194	10.9	151	8.6	117	7.0	63	5.0	-0.7
2									
4	264	4.9	197	7.3	152	6.8	90	5.3	1.8
6	218	8.8	185	6.9	144	6.6	89	5.3	4.7
8	197	8.9	164	7.3	137	6.1	84	5.1	-3.4
10	170	9.5	138	6.3	113	5.6	68	4.5	0.5
12	146	7.6	122	6.9	96	5.5	57	4.4	2.9
14	173	6.7	146	8.4	122	7.3	73	5.4	-1.5
16	195	8.4	174	8.5	147	7.1	90	5.7	1.7
18	254	6.6	215	10.2	174	8.3	113	6.4	-0.3
20	217	12.4	188	8.6	161	8.0	101	6.0	-1.7
22	200	7.0	175	7.9	147	6.8	91	5.5	4.9
MEAN	203	8.3	169	7.9	137	6.8	84	5.3	0.8

APR.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	180	8.8	151	7.1	122	6.6	69	5.3	11.6
2	198	10.0	164	8.3	133	7.1	80	5.8	16.4
4	178	7.6	154	7.8	128	7.6	76	6.0	13.9
6	209	8.9	172	8.8	128	9.0	69	6.1	14.7
8	170	9.9	150	7.8	128	7.9	79	6.3	15.1
10	196	10.8	157	6.7	128	6.7	75	5.6	9.7
12	184	9.0	135	6.1	107	5.6	64	4.8	10.1
14	163	5.9	126	5.3	102	5.0	63	4.3	18.6
16	186	8.0	139	5.9	114	5.8	67	4.7	9.7
18	161	9.3	139	5.5	120	5.8	74	4.8	23.9
20	181	4.0	141	4.6	116	5.4	74	4.6	19.7
22	179	7.8	147	7.4	127	6.5	79	4.8	22.3
MEAN	182	8.3	148	6.8	121	6.6	72	5.3	15.5

APR. 9.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	195	10.8	162	8.4	135	6.6	82	5.3	4.1
2	206	5.8	172	7.8	144	6.6	85	5.3	5.2
4	241	7.6	213	9.5	169	7.8	104	6.1	5.1
6	226	7.3	202	6.8	169	7.8	102	6.1	7.9
8	218	9.8	170	8.5	144	7.3	88	5.4	3.1
10	156	5.1	138	5.3	115	5.7	72	4.9	5.2
12	151	6.9	120	5.7	100	5.4	67	4.8	9.1
14	154	5.9	129	5.5	106	5.6	68	4.6	8.7
16	205	7.0	163	6.9	136	6.2	81	4.9	9.6
18	206	7.3	177	7.5	147	6.9	90	5.5	6.4
20	272	4.8	190	7.8	154	7.0	100	5.8	7.8
22	209	4.2	184	7.1	154	6.6	94	5.5	7.3
MEAN	203	6.9	168	7.2	139	6.6	86	5.3	6.6

APR.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	188	9.1	162	6.0	134	5.4	84	4.4	24.4
2	195	6.5	168	6.3	142	5.8	94	4.8	28.9
4	211	5.1	180	6.9	158	6.3	104	5.1	30.2
6	220	7.0	202	7.1	175	6.8	114	5.2	25.9
8	326	4.8	206	6.8	173	6.4	105	4.8	24.2
10	233	6.4	187	6.3	155	6.6	96	4.9	19.2
12	183	6.0	158	6.6	132	6.0	82	4.7	21.3
14	276	5.9	164	6.3	133	6.4	81	5.0	16.7
16	258	6.7	163	6.2	125	6.0	73	4.6	17.6
18	207	5.6	167	6.1	137	6.4	87	5.2	17.0
20	228	4.1	185	6.4	149	6.3	95	5.3	14.0
22	214	12.5	190	7.8	162	6.8	99	5.4	18.8
MEAN	228	6.6	178	6.6	148	6.3	93	4.9	21.5

APR.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	4.7	196	8.2	165	6.9	102	5.8	17.2
2	247	12.4	221	7.5	180	6.9	112	5.6	18.9
4	250	11.6	216	7.4	181	7.0	110	5.6	16.1
6	250	8.1	206	7.1	180	7.3	108	5.8	16.9
8	239	8.1	216	7.5	181	6.8	111	5.6	15.5
10	279	8.1	207	6.3	172	6.6	109	5.8	19.3
12	233	8.8	210	7.5	180	6.9	110	5.4	17.4
14	231	6.4	190	7.1	158	6.2	96	5.1	20.4
16									
18									
20									
22									
MEAN	244	8.5	208	7.3	175	6.8	107	5.6	17.7

APR.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	266	7.4	201	8.3	169	7.3	112	5.9	20.1
14	220	10.3	194	8.0	167	6.9	110	5.7	20.7
16	227	6.1	179	7.6	149	7.0	93	5.3	18.6
18	195	8.8	162	6.6	134	6.3	84	4.9	19.2
20	218	8.6	181	6.8	149	6.3	91	4.9	15.4
22	248	9.0	211	7.6	172	7.1	104	5.6	13.3
MEAN	229	8.4	188	7.5	157	6.8	99	5.4	17.9

APR.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	218	8.6	185	9.2	157	7.6	95	5.6	14.5
2	228	7.8	189	7.5	164	7.6	100	5.7	14.4
4	245	11.8	215	9.6	177	8.3	112	6.2	13.6
6	229	8.8	196	8.8	163	8.1	101	5.9	12.4
8	259	7.6	192	7.4	158	7.5	95	5.6	10.1
10	234	8.7	206	7.1	172	7.2	106	5.7	14.4
12	278	11.9	209	8.7	167	8.3	101	5.8	13.3
14	245	6.5	209	8.7	171	8.1	105	6.0	16.6
16	221	7.8	189	8.8	154	8.0	87	5.7	13.0
18									
20	201	5.9	173	8.5	142	7.0	86	5.5	19.1
22	227	10.0	186	7.8	148	7.2	86	5.4	13.4
MEAN	235	8.7	195	8.4	161	7.7	98	5.7	14.1

APR.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	241	5.9	197	8.4	162	8.1	98	6.0	13.6
2	255	10.3	196	10.0	158	8.3	95	6.3	10.4
4	255	7.6	191	7.9	150	8.0	85	5.9	8.7
6	206	9.6	181	8.6	149	8.5	92	6.4	14.8
8	170	5.3	142	6.6	117	6.3	73	4.9	8.5
10	216	9.4	186	8.6	157	7.9	95	5.8	6.6
12	227	6.5	189	8.1	155	8.1	90	5.5	10.2
14	225	7.5	176	8.3	140	7.6	85	5.3	14.6
16	185	8.1	155	7.2	126	7.1	74	4.8	15.3
18									
20	172	4.4	149	6.4	119	6.0	73	4.9	10.9
22	190	9.0	142	7.1	122	6.9	77	5.3	11.7
MEAN	213	7.6	173	7.9	141	7.5	85	5.6	11.4

APR.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	7.6	155	8.8	125	7.6	80	5.9	9.9
2	182	8.4	139	8.3	114	8.2	73	6.3	7.8
4	164	7.9	141	7.6	113	7.8	70	5.8	6.6
6	144	10.8	134	8.7	114	7.8	75	6.4	6.8
8	146	8.2	122	7.7	99	7.6	60	5.6	7.0
10	148	6.3	129	7.3	110	7.3	67	5.8	7.8
12	133	7.1	121	7.3	101	8.0	60	5.8	6.8
14	141	7.9	126	8.3	97	7.8	59	6.0	8.8
16	134	7.9	102	7.3	83	7.0	47	4.5	9.9
18	146	9.0	113	8.2	87	7.2	51	4.9	8.7
20	174	7.7	144	7.6	112	7.5	66	5.7	7.8
22	168	7.3	142	7.0	118	7.2	71	5.1	13.0
MEAN	155	8.0	131	7.8	106	7.6	65	5.6	8.4

APR.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	158	8.0	127	7.0	106	6.9	64	4.6	16.8
2	159	5.5	130	6.8	106	6.5	64	4.6	23.9
4	145	7.4	119	6.8	96	6.8	60	4.6	22.8
6	152	7.1	133	6.9	105	6.8	61	4.4	18.6
8	187	6.5	147	6.9	113	6.5	68	4.5	19.4
10	166	6.8	133	6.4	109	6.1	69	4.5	21.2
12	172	3.3	143	6.3	112	5.5	69	4.1	21.0
14	210	6.4	156	6.3	125	5.8	78	4.3	24.2
16	192	4.3	153	5.8	122	5.7	78	4.3	24.1
18	216	7.7	176	5.7	143	5.6	91	4.6	23.3
20	182	5.6	155	6.6	123	6.6	78	4.8	19.7
22	221	7.3	154	6.9	119	6.5	74	4.9	19.5
MEAN	180	6.3	144	6.5	115	6.3	71	4.5	21.2

APR.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	163	10.0	137	8.0	117	7.1	74	5.4	16.1
2	170	6.6	144	6.9	115	6.4	70	5.1	14.8
4	197	6.9	165	7.1	140	7.6	89	6.1	12.4
6	192	8.3	152	7.6	125	7.3	81	5.9	10.6
8	150	8.9	135	7.5	109	7.1	67	5.3	8.9
10	175	10.8	153	8.0	128	7.5	84	5.9	9.7
12	210	6.3	168	7.1	141	7.6	93	5.9	7.6
14	172	7.1	156	7.4	135	7.6	88	6.1	8.4
16	187	7.3	161	7.9	134	7.9	85	6.3	8.8
18	184	9.0	148	8.6	122	7.9	78	6.1	8.8
20	169	10.8	150	8.8	131	8.1	87	6.6	7.4
22	148	6.2	131	7.1	107	7.0	65	5.6	7.5
MEAN	176	8.2	150	7.7	125	7.4	80	5.9	10.1

APR.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	157	6.3	127	7.6	102	7.6	62	5.8	4.7
2	161	6.0	128	7.2	104	7.7	63	6.0	3.0
4	173	8.1	136	7.6	109	7.4	65	5.8	2.1
6	174	9.0	138	8.0	108	7.5	63	5.3	0.8
8	175	9.4	142	8.0	116	6.8	75	5.7	1.1
10	146	5.5	130	7.8	107	7.1	64	5.2	-0.5
12	175	8.6	136	8.0	109	7.3	66	5.6	-4.6
14	176	8.3	153	8.2	129	7.4	81	6.2	-6.3
16	197	8.1	173	8.4	137	8.1	81	6.3	-7.6
18	218	9.5	188	9.0	150	8.7	94	6.8	-5.1
20	162	7.1	148	8.6	116	8.2	70	6.0	-0.6
22	164	6.1	144	7.3	119	7.8	75	6.3	0.2
MEAN	173	7.7	145	8.0	117	7.6	72	5.9	-1.1

APR.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	153	8.1	128	8.0	101	7.8	60	5.8	-2.1
2	149	8.4	131	8.6	105	8.2	61	6.2	-2.6
4	184	9.8	135	8.4	102	8.1	58	6.1	1.0
6	141	8.1	122	8.3	96	8.1	60	6.9	4.9
8	130	7.6	115	7.8	88	8.0	53	6.3	4.5
10	128	6.8	101	7.3	78	8.1	48	5.9	4.4
12	129	7.8	108	7.5	85	8.0	47	5.8	0.9
14	134	8.3	105	8.8	85	8.3	48	5.6	1.5
16	157	7.9	114	8.1	84	7.4	49	4.8	7.8
18	124	8.8	105	7.6	82	7.1	48	4.4	19.0
20	134	9.9	104	8.0	78	6.9	45	4.5	9.1
22	138	8.9	107	8.2	85	7.9	48	5.1	1.5
MEAN	142	8.4	115	8.0	89	7.8	52	5.6	4.2

APR.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	147	9.4	117	8.1	93	8.2	53	5.8	5.6
2	115	6.0	98	8.6	76	8.0	44	5.6	4.8
4	121	7.8	98	7.8	78	7.6	48	5.8	7.3
6	135	7.2	106	7.9	88	8.0	51	5.5	8.4
8	135	6.7	107	8.0	83	7.6	49	5.0	9.7
10									
12	119	7.5	104	7.5	85	7.1	49	4.6	5.0
14	120	8.3	101	7.6	78	6.8	44	4.4	7.0
16	122	8.1	99	8.0	78	7.8	45	4.9	4.5
18	135	8.5	112	8.3	83	8.1	47	5.1	1.4
20	121	8.0	98	8.0	80	7.6	47	5.0	3.6
22	129	7.9	98	8.3	75	7.1	44	4.8	3.8
MEAN	127	7.8	103	8.0	82	7.6	47	5.1	5.6

APR.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	141	6.0	105	8.0	82	7.8	47	5.1	3.0
2	138	6.9	108	7.0	90	7.3	56	5.3	-0.3
4	127	6.1	102	7.8	85	7.2	54	5.5	-4.0
6	119	7.1	104	7.0	84	6.8	53	4.8	-6.1
8	145	7.4	119	6.7	96	6.7	59	4.8	-2.0
10	141	7.5	124	6.3	100	6.3	63	4.4	3.7
12	189	2.2	148	5.6	120	5.8	73	4.3	4.3
14	245	5.0	166	5.6	129	5.9	80	4.5	-2.4
16	240	6.8	194	7.1	161	7.0	101	5.4	-0.4
18	238	8.2	199	8.1	161	7.3	98	5.6	2.0
20									
22	245	10.4	195	7.6	158	7.3	96	5.5	5.9
MEAN	179	6.7	142	7.0	115	6.9	71	5.0	0.3

APR.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	225	7.7	180	7.8	148	7.9	93	5.9	7.5
2	213	8.8	186	7.0	158	7.0	98	5.6	4.6
4	227	8.4	183	8.2	150	7.9	86	6.3	-2.2
6	221	9.3	178	8.1	143	8.0	86	6.5	0.8
8	179	6.9	162	8.4	138	7.8	85	6.1	4.2
10	159	5.2	137	7.8	113	7.6	66	5.8	2.9
12	171	9.1	139	7.7	116	7.1	73	5.4	3.0
14	161	9.9	136	7.5	112	7.3	69	5.1	14.0
16	230	6.6	151	7.8	120	7.3	73	5.3	13.4
18	161	6.6	125	8.2	104	8.0	60	5.6	14.3
20	158	8.1	138	8.0	114	8.1	67	6.4	8.5
22	166	9.2	127	8.5	99	8.3	61	6.8	5.8
MEAN	189	8.0	154	7.9	126	7.7	76	5.9	6.4

APR.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	140	8.6	129	8.3	108	8.3	66	7.1	5.1
2									
4	123	9.8	99	9.1	78	9.0	46	7.0	5.6
6	125	9.9	86	9.7	70	9.3	40	6.1	4.5
8	110	9.5	92	9.4	75	8.8	44	7.1	8.6
10	114	9.3	103	8.8	82	8.8	46	6.8	4.1
12	128	7.6	109	8.0	86	7.9	46	4.9	6.9
14	128	6.3	107	7.3	81	7.6	46	5.0	-4.4
16	153	8.6	119	7.9	88	7.9	50	5.1	-2.2
18	120	8.1	82	8.3	61	7.5	35	4.8	-5.0
20	118	9.8	86	8.9	65	8.9	36	5.9	6.5
22	103	8.8	83	9.3	65	9.0	39	6.8	7.4
MEAN	124	8.8	100	8.6	78	8.5	45	6.1	3.4

APR.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	85	10.1	68	8.8	53	8.8	32	6.3	7.0
2	102	9.7	82	9.7	66	9.8	40	7.6	4.6
4	91	9.4	87	8.6	74	9.6	50	8.4	7.9
6	87	8.5	78	9.4	63	9.8	39	7.4	8.7
8	123	7.6	106	8.7	85	9.3	49	7.5	3.4
10	148	6.6	117	8.6	93	8.8	53	7.2	3.2
12	125	9.8	111	7.8	84	8.5	45	6.1	6.5
14	156	8.5	121	8.0	97	7.4	56	4.8	-3.7
16	155	5.8	131	7.8	102	7.8	56	5.2	-1.3
18	144	8.5	130	8.3	101	8.3	55	5.6	-2.0
20	165	10.4	151	9.0	118	9.3	67	6.7	4.4
22	180	7.5	151	7.6	102	8.8	58	6.5	2.7
MEAN	130	8.5	111	8.5	87	8.8	50	6.6	3.4

APR.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	136	7.0	121	8.8	97	8.6	59	6.1	-3.7
2	256	10.4	178	9.1	143	8.8	90	7.1	2.8
4	176	9.6	151	8.6	124	8.5	72	6.6	-1.9
6	187	9.8	172	8.4	140	8.8	79	6.5	0.0
8	234	10.0	171	9.2	134	8.8	77	7.0	1.5
10	202	10.0	157	8.9	124	8.8	72	6.6	1.6
12	171	7.3	152	5.9	132	7.3	77	5.6	5.5
14	187	4.8	157	6.3	124	5.8	77	4.6	12.4
16	233	5.7	173	5.3	136	5.4	80	4.3	11.5
18	183	4.4	150	5.7	125	5.8	77	4.7	8.8
20	232	7.3	185	6.3	145	6.2	84	4.8	12.4
22	228	11.2	182	8.7	145	6.9	88	5.3	13.2
MEAN	202	8.1	162	7.6	131	7.5	78	5.8	5.3

APR.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	4.1	182	6.8	143	6.6	85	4.9	14.1
2	235	14.0	186	7.3	151	7.3	88	5.7	13.2
4	254	11.9	208	8.1	163	7.8	94	5.6	11.1
6	227	6.4	205	8.3	173	7.9	102	6.2	10.2
8	245	8.7	197	7.2	160	6.3	94	5.6	9.9
10	226	5.1	199	8.9	164	7.3	94	5.8	3.6
12	215	12.4	175	6.3	141	5.8	82	5.1	6.5
14	199	3.6	170	8.3	128	5.9	77	5.4	2.1
16	207	4.8	161	7.4	126	6.4	76	5.3	3.8
18	260	7.9	177	6.9	135	6.0	83	5.6	3.7
20									
22	263	3.9	208	9.9	170	7.6	98	5.9	0.6
MEAN	236	7.5	188	7.8	150	6.8	88	5.6	7.2

APR.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	247	8.6	208	7.7	169	6.9	101	5.9	-0.9
2	240	11.3	206	7.9	169	6.6	103	5.8	0.0
4	235	9.5	208	8.0	172	7.3	103	6.0	2.1
6	256	12.2	219	9.3	179	8.0	100	5.9	0.5
8	232	11.3	203	8.7	169	7.6	99	6.0	0.9
10	270	9.3	198	7.5	162	6.6	93	5.4	5.1
12	232	12.6	187	6.9	146	5.8	88	5.2	0.6
14	229	8.6	172	7.3	131	6.4	82	5.3	2.7
16	160	11.1	142	6.0	122	5.9	75	4.9	3.4
18	190	5.0	151	6.6	123	5.8	77	4.8	7.9
20	222	12.2	180	7.3	142	6.3	85	5.1	4.0
22	231	5.0	187	7.3	150	7.3	95	5.9	2.9
MEAN	229	9.7	188	7.5	153	6.7	92	5.5	2.4

APR.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	300	6.6	204	6.9	161	7.0	98	5.4	9.6
2	245	5.5	207	8.0	166	7.3	99	5.7	4.6
4	306	6.6	229	8.2	176	7.1	101	5.6	4.3
6	265	7.8	202	7.8	157	7.2	94	5.8	1.3
8	212	10.1	186	8.6	152	7.1	94	6.1	1.7
10	228	7.5	181	8.4	145	7.8	86	5.9	5.9
12	244	7.9	202	8.7	157	7.4	87	5.4	7.5
14	198	7.8	164	6.6	131	6.5	79	5.6	2.1
16	179	9.4	138	6.6	112	5.6	70	4.8	5.8
18	175	8.5	157	5.9	128	5.9	78	5.4	4.6
20	195	16.6	150	8.3	119	6.7	78	5.9	5.7
22	229	10.7	179	6.6	140	6.1	85	5.6	4.4
MEAN	231	8.7	183	7.5	145	6.8	87	5.6	4.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	1.1985 THETA (DEG)
0	219	9.4	200	8.4	156	6.8	90	6.0	2.8
2	247	13.3	212	7.9	170	7.9	107	6.5	12.1
4	257	5.6	208	6.1	165	6.4	95	5.9	6.5
6	282	5.9	168	5.6	132	6.0	81	5.9	6.4
8	178	4.4	157	7.2	132	6.1	78	5.7	3.2
10	219	4.3	179	5.6	146	6.6	90	5.8	6.7
12	214	10.8	190	9.2	152	8.3	89	6.5	4.0
14	222	12.3	188	7.1	157	6.4	91	5.8	9.3
16	219	5.4	174	6.6	142	6.6	86	6.0	2.3
18	239	5.3	164	5.2	126	5.3	76	5.1	7.7
20									
22	192	6.5	168	6.8	139	6.3	85	5.6	6.9
MEAN	226	7.6	183	6.9	147	6.6	88	5.9	6.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	4.1985 THETA (DEG)
0	133	9.1	117	8.7	94	8.0	57	6.4	7.6
2	126	5.8	106	8.0	88	8.8	56	7.0	7.6
4	146	9.0	124	7.4	96	8.1	59	6.8	5.1
6	161	8.8	134	7.3	99	8.0	59	6.4	6.6
8	120	6.2	107	6.5	91	6.9	56	5.2	8.0
10	136	7.4	113	8.5	90	7.4	51	5.1	8.6
12	132	6.7	105	7.1	82	6.4	50	4.5	13.8
14	132	7.4	112	7.9	85	7.8	47	4.9	9.5
16	125	6.8	97	8.2	75	8.6	44	6.1	10.5
18	143	8.0	111	7.1	87	6.3	52	4.1	28.1
20	173	4.9	142	5.6	114	5.1	74	4.1	26.8
22	198	5.5	150	5.5	118	5.1	74	3.9	25.3
MEAN	144	7.1	118	7.3	93	7.2	57	5.4	13.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	2.1985 THETA (DEG)
0									
2	267	4.1	204	7.5	169	7.6	107	6.3	10.5
4	212	6.4	175	6.1	147	6.9	90	5.8	10.2
6	179	5.0	153	5.8	127	5.8	78	5.2	8.0
8	165	10.9	138	7.6	116	6.8	69	5.3	5.1
10	181	5.9	162	7.7	134	6.9	85	5.6	8.9
12	176	6.1	160	7.1	134	7.0	78	5.6	8.3
14	208	11.8	166	7.3	142	8.1	86	6.4	6.5
16	192	5.1	173	7.6	148	7.3	89	5.9	8.2
18	190	11.3	151	7.6	125	7.0	75	5.6	7.1
20	175	7.4	149	7.3	124	7.1	80	6.0	3.4
22	178	6.2	140	5.6	116	5.9	76	5.2	10.1
MEAN	193	7.3	161	7.0	135	6.9	83	5.7	7.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	5.1985 THETA (DEG)
0	175	6.3	144	5.7	119	5.5	77	4.3	26.5
2									
4									
6									
8									
10									
12									
14									
16									
18	117	7.3	105	7.6	83	7.8	50	5.9	4.0
20	137	5.9	96	7.2	78	7.1	50	5.8	2.8
22	120	6.5	102	7.5	86	7.3	54	6.1	1.3
MEAN	137	6.5	112	7.0	92	6.9	58	5.5	8.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	3.1985 THETA (DEG)
0	205	6.6	158	7.6	130	8.3	75	6.3	5.4
2	184	5.8	161	8.8	125	8.1	72	6.5	5.3
4	162	12.0	143	8.4	112	9.0	66	6.8	6.9
6	154	4.5	132	6.8	108	6.9	62	5.1	10.2
8	158	8.1	130	8.1	108	7.8	66	5.6	9.3
10	152	5.9	136	6.9	111	6.8	68	5.6	10.9
12	162	9.1	142	7.1	121	8.5	76	6.6	8.1
14	190	11.1	155	9.3	118	9.1	67	6.8	6.8
16	159	7.3	142	8.3	109	8.3	58	5.4	4.4
18	165	7.1	141	8.3	109	8.3	63	6.4	5.6
20	144	8.5	130	6.8	109	7.7	67	5.9	8.2
22	118	7.4	109	7.1	92	8.2	54	5.8	4.8
MEAN	163	7.8	140	7.8	113	8.1	66	6.1	7.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	6.1985 THETA (DEG)
0	134	7.4	105	7.1	85	7.3	53	5.8	-1.5
2	92	6.8	86	7.5	71	7.6	43	5.9	-3.2
4	91	9.0	75	7.9	60	7.7	36	5.6	-6.2
6	93	6.8	79	7.8	62	7.9	37	5.8	-3.1
8	83	7.4	71	6.7	57	7.4	35	5.7	1.4
10	75	9.7	67	7.1	53	7.3	31	5.1	4.4
12	82	9.3	62	7.0	51	7.8	30	5.6	4.7
14	82	6.5	59	8.3	46	7.7	29	5.8	-2.4
16	73	8.4	61	8.5	46	8.8	25	5.8	-3.0
18	65	8.3	58	8.6	48	8.9	29	6.0	-0.6
20	80	10.2	60	7.6	47	7.6	28	5.5	-7.0
22	139	3.2	108	4.3	90	4.1	58	3.3	34.5
MEAN	91	7.7	74	7.4	60	7.5	36	5.5	1.5

MAY 7.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	4.3	151	5.3	125	5.1	83	4.3	32.0
2	176	4.9	150	4.9	123	5.1	78	4.0	37.1
4	169	5.7	147	5.6	119	5.3	75	4.1	31.4
6	185	5.6	157	5.4	129	5.4	85	4.3	29.9
8	178	6.5	150	6.2	125	5.8	82	4.5	29.1
10	139	6.1	115	5.4	97	5.6	65	4.3	28.6
12	126	4.3	108	5.2	93	5.3	61	4.3	26.4
14	119	6.4	101	5.2	82	5.4	52	4.1	24.2
16	174	7.1	141	6.2	116	6.0	73	4.6	27.3
18	201	6.9	174	6.8	143	6.8	85	5.1	26.3
20	190	7.4	165	8.0	138	7.5	88	5.6	22.0
22	183	8.7	149	7.0	130	6.9	81	5.5	23.6
MEAN	169	6.2	142	5.9	118	5.8	76	4.6	28.2

MAY 10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	92	8.4	75	8.1	59	7.6	35	4.9	14.3
2	121	6.6	94	7.8	69	7.6	39	4.8	10.3
4	116	11.3	91	8.8	76	9.0	47	6.3	10.4
6	122	6.9	103	8.9	85	9.0	53	6.9	12.5
8	176	9.4	132	8.8	96	8.7	55	6.5	15.8
10	133	5.8	107	7.7	85	7.7	48	5.4	15.1
12	141	7.6	103	7.6	77	7.1	41	4.6	16.9
14	86	9.0	80	7.6	65	6.8	40	5.0	12.9
16	120	10.8	85	7.1	63	7.1	38	5.4	8.5
18	97	5.9	80	8.4	61	7.9	36	5.3	6.4
20	119	6.5	81	8.5	63	8.0	38	5.8	10.5
22	103	6.1	75	8.4	58	7.9	34	5.7	6.5
MEAN	119	7.9	92	8.1	71	7.9	42	5.5	11.7

MAY 8.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	7.5	147	7.4	123	7.3	74	5.3	21.5
2	166	8.2	125	7.2	100	6.8	60	5.1	22.2
4	156	6.5	129	6.8	103	7.1	61	5.1	21.9
6	140	7.2	122	6.9	97	7.5	61	5.5	20.2
8	139	7.2	123	7.4	101	7.4	59	5.4	19.3
10	111	6.8	102	7.4	85	6.8	55	5.6	20.7
12	117	6.9	93	6.1	80	6.4	50	4.6	22.7
14	105	6.0	96	6.8	82	6.6	50	4.9	19.2
16	125	6.8	111	7.1	91	6.9	57	5.6	22.5
18	130	8.1	106	6.8	88	6.3	52	4.3	19.1
20	133	8.3	105	6.7	83	6.3	52	4.5	19.4
22	97	6.3	83	6.3	71	6.3	46	4.7	18.7
MEAN	132	7.1	112	6.9	92	6.8	56	5.0	20.6

MAY 11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	6.7	86	7.1	68	7.5	41	5.9	6.4
2	108	6.5	86	8.0	66	7.7	41	5.6	3.7
4	115	6.6	92	7.7	72	8.0	43	6.1	4.8
6	153	7.7	115	7.4	86	7.7	49	6.1	1.0
8	145	6.7	107	7.1	83	7.8	49	5.8	2.7
10	125	7.8	105	7.3	84	7.4	50	5.6	-0.7
12	118	8.1	104	8.5	82	7.5	50	5.4	3.7
14									
16	133	8.0	120	7.6	103	7.4	65	5.7	3.8
18	135	7.8	124	7.4	109	7.6	69	6.0	1.9
20	203	9.1	157	7.8	130	7.4	80	5.9	-1.2
22	149	6.4	138	8.3	113	8.4	70	6.5	2.7
MEAN	135	7.4	112	7.7	91	7.7	55	5.9	2.6

MAY 9.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	88	7.5	75	7.0	59	6.4	37	4.8	15.0
2	119	6.4	90	7.4	70	7.1	40	5.2	15.6
4									
6	87	10.4	77	7.9	58	7.3	35	5.3	20.9
8	94	6.1	82	7.3	69	7.6	45	6.1	14.8
10	98	5.8	86	7.0	70	7.3	44	5.8	15.9
12	102	7.6	89	7.1	72	6.9	43	5.3	13.8
14	96	6.9	83	6.9	68	6.8	42	5.1	16.9
16	103	6.9	79	7.3	63	6.7	36	4.3	6.1
18	104	7.7	74	7.9	57	7.1	34	4.5	-2.5
20	97	8.1	78	6.9	62	5.8	37	3.7	-12.4
22	85	8.0	70	7.3	54	6.1	31	3.7	20.4
MEAN	98	7.4	80	7.3	64	6.8	39	4.9	11.3

MAY 12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	175	10.5	155	8.1	131	8.2	80	6.4	-2.4
2	185	9.3	149	8.2	125	8.0	77	5.8	3.2
4	199	7.9	160	8.6	133	8.6	84	6.6	0.3
6	172	8.0	156	7.7	128	7.5	76	6.0	2.8
8	164	9.5	143	8.6	120	8.5	75	6.6	4.0
10	170	6.7	148	7.6	129	7.5	80	5.8	5.7
12	177	5.3	154	7.9	130	7.4	86	5.6	6.4
14	150	6.9	129	6.8	105	6.9	65	4.9	13.3
16	187	9.6	133	6.8	109	6.4	70	4.8	9.9
18	159	5.7	138	5.9	117	6.3	74	4.9	9.8
20	160	6.1	145	6.3	127	7.0	79	5.8	10.0
22									
MEAN	173	7.8	146	7.5	123	7.5	77	5.7	5.7

MAY 13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	225	5.3	173	7.3	147	7.8	91	6.3	4.4
2	212	5.0	182	5.8	149	6.3	92	5.5	8.9
4	279	4.3	204	5.3	153	6.3	93	5.8	9.2
6	250	2.5	179	5.4	144	5.8	89	5.3	6.0
8									
10	212	10.7	182	7.9	152	6.4	92	5.5	11.7
12	224	7.3	170	5.8	137	5.9	87	5.5	5.3
14	214	4.9	148	6.1	120	5.8	73	5.1	9.8
16	167	5.6	145	5.6	115	5.6	72	4.9	20.7
18	223	5.6	153	5.8	119	5.6	75	4.9	16.4
20	238	5.3	179	7.4	135	6.8	81	5.6	19.2
22	215	4.5	166	6.1	140	6.8	84	5.4	12.7
MEAN	224	5.5	171	6.2	137	6.3	84	5.4	11.3

MAY 14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	4.2	177	8.3	150	7.4	86	5.8	8.9
2	223	5.1	173	5.8	139	6.9	88	6.1	11.7
4	212	8.9	177	7.1	145	6.6	87	5.3	10.6
6	182	5.8	151	6.8	134	6.7	89	5.5	11.2
8	179	6.1	146	6.8	121	6.8	74	5.2	13.6
10									
12	224	13.3	163	7.8	128	7.1	76	5.9	7.7
14	178	6.4	154	7.1	128	7.6	80	6.0	11.9
16	154	8.3	133	7.2	111	6.8	68	5.6	11.8
18	169	9.6	140	7.8	116	7.1	69	5.6	9.1
20	156	6.0	135	6.4	112	7.8	72	6.0	14.0
22	163	14.1	140	9.4	115	7.9	72	5.8	15.2
MEAN	187	8.0	154	7.3	127	7.2	78	5.7	11.4

MAY 15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	9.8	164	8.3	136	8.4	80	6.4	11.5
2	200	6.5	170	6.6	135	7.4	78	5.6	12.9
4	194	5.4	157	7.0	119	7.1	69	5.3	9.8
6	172	5.8	138	7.2	117	6.8	74	5.0	13.2
8	234	4.2	150	6.7	122	6.3	75	4.9	12.3
10	162	5.6	139	6.0	114	6.2	69	4.8	15.0
12	181	9.0	149	7.0	121	7.0	76	5.6	17.1
14	164	7.4	142	7.6	119	7.8	71	5.8	15.7
16	170	5.7	139	6.4	107	7.1	64	5.3	18.1
18	150	5.3	124	6.8	98	6.6	61	5.1	14.3
20	147	8.6	125	7.3	102	6.8	62	5.4	17.2
22	134	5.7	114	7.3	91	6.6	55	4.7	18.2
MEAN	175	6.6	143	7.0	115	7.0	70	5.3	14.6

MAY 16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	174	11.3	123	7.3	96	6.5	58	4.3	16.3
2	166	6.4	142	6.6	115	6.0	71	4.5	22.9
4	162	8.5	131	6.6	106	6.3	65	4.3	24.8
6	171	10.1	136	6.6	108	6.1	67	4.8	22.0
8	113	7.5	99	6.1	80	6.3	50	4.6	15.1
10	129	5.1	98	6.3	74	6.5	45	4.6	19.2
12									
14	128	8.3	94	7.4	69	6.4	41	4.3	11.8
16	113	6.3	99	7.9	78	7.4	49	5.1	7.8
18	121	6.3	100	6.5	79	6.3	50	4.8	10.4
20	134	6.9	106	7.5	82	6.8	53	5.1	16.6
22	125	5.6	107	6.3	86	6.9	55	5.3	13.4
MEAN	140	7.5	112	6.8	88	6.5	55	4.7	16.4

MAY 17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	112	10.0	96	7.3	80	7.5	49	5.3	9.0
2	97	6.4	87	7.3	74	8.1	44	5.8	13.1
4	145	6.1	117	6.9	93	7.1	55	5.2	14.1
6	131	5.1	107	6.9	80	7.2	47	5.1	14.9
8	114	8.4	95	6.7	79	6.3	49	4.8	18.6
10	95	7.1	88	7.2	72	6.9	45	5.4	12.2
12	110	6.6	86	7.6	65	7.1	36	4.8	13.0
14	112	6.3	86	6.8	65	7.1	39	4.5	10.9
16	106	6.6	86	7.4	66	7.4	37	4.6	9.3
18	100	6.0	79	7.0	60	7.0	35	4.6	5.1
20	106	6.2	73	7.1	58	7.2	36	5.2	6.2
22	88	6.1	59	8.2	45	7.9	27	5.4	1.2
MEAN	110	6.7	88	7.2	70	7.2	42	5.1	10.6

MAY 18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	84	8.4	69	9.1	52	8.6	30	6.0	-0.1
2	59	8.1	54	8.9	44	8.5	28	5.6	-1.5
4	73	10.8	58	9.3	48	9.6	29	6.3	-2.1
6	73	7.4	62	7.6	46	7.3	26	5.1	-2.1
8	90	6.2	70	5.6	53	6.1	30	5.1	9.3
10	84	10.3	68	7.6	52	7.1	30	4.9	5.8
12									
14									
16									
18									
20	84	5.5	69	7.9	55	7.9	32	5.0	-1.3
22	122	5.8	80	7.3	56	7.3	30	4.8	2.5
MEAN	84	7.8	66	7.9	51	7.8	29	5.3	1.3

MAY 19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	86	5.9	64	8.6	49	8.3	27	5.3	-2.1
2	90	10.3	60	9.1	44	8.0	25	5.1	-9.4
4	79	7.7	71	9.0	59	8.6	36	6.4	-3.7
6	72	6.1	63	8.8	48	8.1	28	5.1	-5.6
8	76	5.5	61	6.8	48	7.1	30	5.2	-2.4
10	78	6.5	57	6.4	43	6.4	24	4.4	0.2
12	90	5.3	70	6.6	52	6.9	32	5.1	-2.8
14	96	7.3	71	7.1	55	6.3	33	4.3	-15.4
16	112	5.6	72	6.2	54	5.6	31	3.7	-17.7
18	95	7.6	79	6.9	59	5.6	36	3.7	-18.9
20	93	7.9	75	6.8	57	6.2	34	4.1	-16.3
22	94	5.8	76	6.7	60	7.1	36	5.4	-4.7
MEAN	88	6.8	68	7.4	52	7.0	31	4.8	-8.2

MAY 20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	102	7.5	86	7.1	70	7.2	44	5.4	-7.8
2	118	5.4	88	6.9	69	7.1	41	5.1	-9.4
4	114	5.8	95	7.6	74	7.4	43	5.0	-8.8
6	121	8.8	107	7.3	84	7.4	53	5.6	-6.4
8	106	8.0	93	6.4	74	6.3	47	4.8	-0.7
10	108	5.4	90	5.6	74	6.0	47	4.6	-0.9
12	112	6.8	96	6.3	74	6.1	46	4.6	-0.8
14	148	5.6	112	6.6	87	7.1	52	5.3	-4.7
16	125	5.9	101	7.1	76	7.5	45	5.3	-6.5
18	136	8.1	102	7.4	75	7.5	43	5.1	-5.8
20	115	6.8	99	6.9	78	7.1	44	5.0	-3.8
22	151	5.6	120	6.9	92	6.3	56	4.3	19.3
MEAN	121	6.6	99	6.8	77	6.9	47	5.0	-3.0

MAY 21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	197	6.4	148	5.2	121	5.3	80	4.3	24.5
2	206	5.3	153	5.2	123	5.2	81	4.3	23.7
4	255	4.3	190	5.7	152	5.6	94	4.4	26.7
6	245	3.1	169	5.4	144	5.9	96	4.8	25.8
8	156	4.3	132	4.7	113	4.9	73	4.1	28.8
10	153	4.8	125	5.3	103	5.2	64	3.8	28.1
12	164	4.4	131	5.1	109	5.1	70	4.1	25.8
14	204	5.0	157	5.9	128	5.9	81	4.5	27.4
16									
18	232	5.1	187	6.0	154	6.4	99	4.9	23.8
20	205	4.8	179	6.3	150	6.5	96	5.1	23.6
22	194	8.5	169	7.0	139	6.4	94	5.1	21.6
MEAN	201	5.1	158	5.6	131	5.7	84	4.5	25.4

MAY 22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	192	10.5	158	6.5	136	6.3	87	4.9	20.0
2	196	6.8	165	7.4	131	6.9	79	4.9	24.2
4	201	7.6	166	6.8	130	6.6	79	5.0	21.9
6	201	5.4	156	7.3	130	7.3	80	5.3	18.9
8	163	5.4	137	6.1	113	6.5	71	4.9	15.7
10	131	5.0	109	5.9	91	5.4	57	4.3	15.3
12	149	6.2	115	5.4	92	5.3	60	4.3	11.8
14	142	4.6	114	6.4	93	6.3	60	4.6	7.4
16	138	9.4	130	7.3	105	7.5	64	5.6	7.5
18	136	6.8	113	7.8	86	7.1	53	5.6	6.8
20	141	6.5	122	7.1	96	7.5	58	5.6	9.1
22	145	5.3	125	7.0	98	7.3	62	5.9	8.0
MEAN	161	6.6	134	6.7	108	6.7	68	5.1	13.9

MAY 23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	160	5.5	128	6.3	100	7.2	60	6.1	7.3
2	125	6.3	104	7.4	82	8.6	49	6.3	7.8
4	135	8.7	113	8.5	89	8.4	52	6.4	7.8
6	130	9.8	109	7.8	84	7.7	49	5.8	8.8
8	128	5.1	112	5.8	90	7.4	55	5.6	5.8
10	111	5.1	95	6.4	81	6.3	51	4.8	2.8
12	99	5.5	77	5.4	63	5.6	40	4.2	3.9
14									
16									
18									
20									
22									
MEAN	127	6.6	105	6.8	84	7.3	51	5.6	6.3

MAY 24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	95	5.2	80	6.3	62	5.6	37	4.1	-3.4
16	115	4.8	99	5.0	77	5.8	49	4.8	-5.5
18									
20	172	7.4	118	7.6	92	7.3	54	5.5	-4.6
22	148	5.7	111	6.7	86	7.3	53	5.6	-6.8
MEAN	133	5.8	102	6.4	79	6.5	48	5.0	-5.1

MAY 26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	157	10.4	124	6.9	93	7.0	58	5.7	-3.2
2	176	7.4	122	6.4	90	6.5	53	5.4	-3.6
4	108	10.9	88	6.9	69	7.7	43	5.6	-5.4
6	108	6.9	92	7.9	71	6.9	44	5.2	-4.0
8	123	5.4	96	7.0	74	7.1	46	5.3	-3.9
10	151	3.0	89	6.1	66	6.4	39	4.6	-4.7
12	109	6.8	92	6.6	71	6.5	43	4.8	0.1
14	117	5.8	90	5.6	70	6.1	41	4.6	-0.7
16	110	5.0	91	5.7	73	6.6	45	5.0	2.3
18	113	6.0	93	6.8	72	5.8	43	4.1	2.8
20	112	7.4	96	7.3	72	6.3	44	4.3	10.4
22	147	11.8	102	8.0	75	7.0	44	4.7	9.3
MEAN	128	7.2	98	6.8	75	6.7	45	4.9	-0.0

MAY 27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	116	11.4	85	8.1	64	6.7	37	4.3	16.3
2	178	4.8	116	6.4	82	6.9	49	5.1	3.7
4	178	3.3	115	5.8	87	6.1	51	4.3	4.1
6	142	7.5	117	6.6	94	6.8	57	5.0	3.6
8	128	7.3	106	6.8	82	7.4	49	5.3	2.8
10	118	8.5	96	6.6	76	7.4	45	5.1	4.2
12	166	6.2	125	6.8	94	6.7	56	5.2	4.8
14	132	5.5	99	6.0	81	6.1	51	4.8	-1.5
16	127	4.9	105	5.7	82	6.4	49	4.8	-1.4
18	128	4.6	113	6.1	91	7.0	56	5.4	0.6
20	131	9.3	116	7.9	93	7.4	56	5.4	1.4
22	159	9.3	122	7.3	98	7.8	59	5.9	1.1
MEAN	142	6.9	110	6.7	85	6.9	51	5.0	3.3

MAY 28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	142	5.8	113	6.9	89	7.3	57	6.1	1.1
2	136	7.5	118	8.0	93	8.0	53	5.9	-0.3
4	166	9.4	135	7.3	107	7.3	65	5.8	2.4
6	132	7.3	112	6.3	89	6.8	53	5.0	3.5
8	179	3.8	130	6.6	100	6.9	58	4.8	8.6
10	147	6.7	111	7.8	85	7.1	50	4.7	7.7
12	131	6.5	109	7.2	84	7.3	49	4.9	2.4
14	138	7.8	114	6.1	92	6.0	56	4.6	9.4
16	114	9.0	94	7.1	80	6.8	49	4.6	3.1
18	140	5.0	115	5.8	89	6.3	54	4.8	3.6
20	136	8.0	97	6.8	76	7.2	45	4.9	4.3
22	145	5.4	113	7.3	87	7.4	50	5.3	1.5
MEAN	142	6.8	113	6.9	89	7.0	53	5.1	3.9

MAY 29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	155	6.1	133	7.0	102	7.8	57	5.3	2.6
2	144	4.8	117	6.7	89	7.5	55	5.9	4.4
4	145	5.8	119	6.4	93	7.1	54	4.8	4.6
6	192	5.8	137	5.5	105	5.6	63	4.2	18.7
8	189	5.8	144	5.8	105	5.6	64	4.1	15.1
10	178	5.3	127	6.3	103	6.2	63	4.4	12.9
12	223	4.3	183	4.0	148	5.1	94	4.3	15.5
14	293	5.8	187	4.9	146	5.4	87	4.1	26.2
16	204	3.8	166	4.8	131	5.4	83	4.3	29.6
18									
20									
22									
MEAN	191	5.3	146	5.7	114	6.2	69	4.6	14.4

MAY 30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	162	6.7	139	6.6	106	7.1	63	5.1	3.5
2	165	5.3	129	7.1	94	7.0	58	5.3	1.3
4	148	5.7	118	5.6	94	6.7	58	5.1	3.4
6	136	5.1	119	5.9	97	5.9	62	4.5	2.6
8	146	3.1	106	5.6	82	5.3	52	4.0	-4.5
10	134	6.8	104	5.3	87	5.5	57	4.1	-1.7
12									
14									
16									
18									
20	198	5.6	144	6.1	117	6.1	70	4.4	0.2
22	168	6.9	141	5.8	115	6.1	69	4.7	-4.4
MEAN	157	5.6	125	6.0	99	6.2	61	4.6	0.0

JUN. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	156	4.7	136	6.0	109	6.3	68	5.1	0.7
2	174	9.6	152	6.1	125	6.8	79	5.3	-3.5
4	149	5.4	128	6.1	107	6.8	64	5.1	-2.5
6	151	5.8	122	5.9	105	5.8	67	4.4	-1.4
8	122	4.1	93	5.1	76	5.3	49	4.1	-7.3
10	115	8.2	90	5.8	72	5.4	46	3.8	-4.0
12	119	5.1	103	5.3	87	5.4	57	4.1	2.0
14	167	7.8	141	5.9	117	5.9	74	4.9	-1.2
16	188	5.3	144	5.6	118	6.3	75	5.1	-6.7
18	197	3.1	149	5.6	118	6.3	72	5.0	-0.3
20	195	5.8	135	6.3	105	6.3	62	4.6	-2.0
22	153	10.6	127	6.5	106	6.3	63	4.8	-4.7
MEAN	157	6.3	127	5.8	104	6.1	65	4.7	-2.6

JUN. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	167	5.9	140	6.8	112	6.4	69	5.3	0.1
2	160	4.8	142	6.7	113	7.1	67	5.5	-1.1
4	200	7.9	142	6.7	108	6.9	68	5.6	-0.4
6	164	7.4	134	6.7	107	6.0	66	4.6	-1.0
8	122	5.5	97	5.4	79	5.3	51	4.0	-1.1
10	131	4.4	91	5.8	73	5.0	47	3.5	-10.6
12	107	7.3	93	5.3	76	5.0	49	3.9	-2.2
14	158	5.1	121	5.8	98	5.6	58	4.2	-2.8
16	145	5.9	116	7.0	94	7.4	55	5.3	-0.6
18	179	3.6	135	5.8	108	6.8	63	5.4	-0.6
20	270	5.0	139	6.1	104	6.6	61	5.5	2.5
22	110	7.9	101	8.1	83	7.3	51	5.8	1.3
MEAN	159	5.9	121	6.3	96	6.3	59	4.9	-1.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. TMEAM (SEC)	4.1985 THETA (DEG)
0	115	7.9	101	7.1	83	7.1	50	5.4	0.1
2	127	6.1	105	7.8	85	8.0	51	6.3	0.6
4	114	5.9	102	7.6	80	8.2	49	6.4	2.7
6	128	5.9	111	6.3	86	6.6	52	5.1	2.3
8	124	4.3	96	5.0	81	5.3	53	4.3	0.8
10	92	6.7	79	5.5	65	5.1	42	3.9	-7.8
12	93	5.1	78	5.3	67	5.4	44	4.1	0.1
14	137	3.0	102	5.8	79	5.9	49	4.4	1.3
16	131	5.6	106	7.3	79	7.8	49	6.0	2.4
18	123	8.1	82	8.6	61	7.6	35	4.8	-2.2
20	121	8.3	92	7.3	70	7.6	40	5.3	-1.9
22	127	5.6	87	6.6	68	7.6	42	5.8	-1.5
MEAN	119	6.0	95	6.7	75	6.8	46	5.1	-0.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. TMEAM (SEC)	7.1985 THETA (DEG)
0									
2									
4									
6	127	8.0	85	8.3	63	9.3	36	6.6	3.2
8	104	5.4	76	6.8	56	8.0	34	5.9	5.6
10	127	5.3	95	5.3	73	5.7	41	4.5	4.0
12	89	6.1	76	5.6	61	5.3	38	4.3	5.2
14	106	5.0	88	4.9	71	5.1	44	4.6	6.2
16	108	5.0	82	6.3	64	7.1	40	5.5	6.9
18	104	5.6	82	7.8	64	8.3	36	5.6	5.7
20	104	5.5	76	7.6	56	7.3	32	4.6	3.6
22	138	5.8	96	6.5	73	7.4	40	5.3	3.9
MEAN	112	5.7	84	6.6	65	7.1	38	5.2	4.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. TMEAM (SEC)	5.1985 THETA (DEG)
0	131	5.4	109	6.7	77	6.9	44	5.5	0.8
2	117	6.1	84	9.0	65	9.5	39	6.3	3.6
4	114	6.3	94	9.8	70	10.8	42	7.4	-0.6
6	102	8.3	84	8.3	65	8.6	41	6.4	6.6
8	121	6.0	98	6.4	73	6.7	43	5.1	3.6
10									
12									
14	101	5.7	84	5.3	67	5.9	41	4.7	0.5
16	88	9.3	76	8.4	59	8.8	36	5.9	0.4
18	88	13.9	73	9.6	57	8.6	33	5.8	-6.9
20	141	5.9	87	8.7	66	8.9	36	6.1	-5.0
22	94	6.1	78	8.0	62	8.9	37	6.9	-2.4
MEAN	110	7.3	87	8.0	66	8.4	39	6.0	0.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. TMEAM (SEC)	8.1985 THETA (DEG)
0	106	5.1	80	9.0	56	8.3	33	5.8	0.5
2	116	5.6	83	7.8	58	6.6	34	4.3	3.7
4	133	5.8	98	6.4	69	6.1	40	4.1	18.3
6	130	5.8	95	7.0	69	6.3	40	4.1	16.7
8	166	4.6	95	5.9	71	4.9	43	3.6	17.3
10	120	4.4	86	5.9	66	4.9	42	3.8	12.8
12									
14	92	4.3	80	5.4	63	5.5	40	4.1	11.0
16									
18									
20	109	5.5	89	8.3	69	6.6	42	4.8	10.7
22	107	5.3	74	7.3	58	6.3	34	4.1	10.2
MEAN	120	5.2	87	7.0	64	6.2	39	4.3	11.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. TMEAM (SEC)	6.1985 THETA (DEG)
0	141	5.3	91	6.3	66	8.2	38	6.3	2.4
2	102	9.9	85	9.1	61	8.4	35	6.4	2.7
4	102	8.4	88	9.0	70	9.6	42	7.2	1.7
6	105	12.5	87	8.8	64	8.8	37	6.3	4.2
8	125	5.6	84	6.1	60	6.4	33	4.6	2.1
10	89	5.3	79	4.6	64	5.3	40	4.6	-0.4
12	85	5.4	68	4.8	54	5.0	34	4.3	-2.9
14	109	5.8	88	5.0	67	5.1	40	5.1	3.3
16	122	4.6	87	6.3	65	6.7	39	5.4	3.9
18									
20									
22									
MEAN	109	7.0	84	6.7	63	7.1	38	5.6	1.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. TMEAM (SEC)	9.1985 THETA (DEG)
0	109	5.4	91	6.6	72	6.8	43	4.6	10.5
2	101	5.3	82	6.8	61	6.2	37	4.5	12.7
4									
6	106	6.1	87	7.8	69	7.3	42	5.5	12.0
8									
10	128	6.2	99	5.7	80	5.6	48	4.4	9.3
12	137	2.5	107	5.9	86	5.4	53	4.2	11.5
14	139	4.3	103	5.6	83	5.0	52	3.8	11.6
16	126	7.4	109	5.4	89	5.3	56	3.9	18.0
18	152	5.6	124	5.6	100	5.3	65	4.1	17.7
20	158	4.4	127	5.4	103	5.5	65	4.1	17.4
22	169	8.6	153	6.8	125	6.0	78	4.9	10.7
MEAN	133	5.6	108	6.2	87	5.8	54	4.4	13.1

JUN.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	234	5.3	156	6.9	129	6.8	78	5.0	4.7
2	202	6.2	166	6.5	131	6.0	79	4.8	6.6
4	187	8.8	160	6.4	130	5.8	80	5.0	4.1
6	212	4.6	187	7.4	147	5.8	89	5.2	1.5
8	227	5.3	184	6.4	149	5.8	92	4.9	7.9
10									
12	231	8.1	173	5.1	128	5.3	78	4.6	1.2
14	183	5.8	135	6.0	103	5.7	63	4.6	-1.1
16	195	3.9	147	4.0	119	4.5	74	4.1	13.4
18	217	5.2	171	4.3	134	4.8	86	4.4	9.1
20	218	5.4	180	6.4	147	6.2	90	5.1	12.1
22	225	3.4	180	6.3	147	6.3	92	5.1	12.6
MEAN	212	5.6	167	6.0	133	5.7	82	4.8	6.6

JUN.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	5.3	194	6.7	152	6.3	93	5.1	8.2
2	201	4.6	166	5.6	133	5.9	86	5.3	1.5
4	209	4.8	162	5.6	129	5.8	84	4.6	7.6
6	238	5.6	153	5.8	123	6.1	75	4.8	11.9
8	232	6.1	168	6.3	137	5.6	87	5.2	0.1
10	198	6.5	160	6.9	131	6.6	82	5.2	7.7
12	200	5.1	160	4.9	130	4.9	85	4.7	4.1
14	208	3.3	156	4.9	125	5.3	82	4.6	11.0
16	191	4.3	136	5.8	110	6.1	75	4.9	10.8
18	181	4.7	145	5.7	121	5.6	78	4.9	1.7
20	234	6.9	179	5.3	145	5.3	92	4.9	0.5
22	204	8.0	171	8.0	141	7.3	88	5.4	11.8
MEAN	212	5.4	163	6.0	131	5.9	84	5.0	6.4

JUN.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	375	7.3	219	5.9	169	6.3	100	5.3	2.2
2	225	8.7	182	5.8	139	5.6	85	5.3	10.5
4	201	3.5	153	7.0	126	6.7	83	5.5	8.1
6	225	4.8	169	5.0	133	5.1	85	4.8	16.6
8	232	6.4	165	6.5	126	6.6	79	4.9	14.7
10	248	3.8	167	6.3	135	6.5	85	5.2	9.3
12	188	8.6	153	5.4	128	5.8	81	5.3	12.3
14	222	4.5	152	4.8	122	5.4	81	4.9	16.2
16	276	8.5	179	5.8	141	5.6	92	4.9	9.9
18	191	6.9	137	6.0	110	5.4	73	4.7	2.8
20	211	3.8	160	5.4	125	5.6	73	4.6	2.5
22	191	5.7	169	5.8	138	6.5	84	5.5	10.0
MEAN	232	6.0	167	5.8	133	5.9	83	5.1	9.6

JUN.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	241	10.9	176	7.1	133	6.4	81	5.1	7.5
2	200	4.6	155	4.9	126	5.5	80	4.6	7.7
4	187	4.6	149	5.3	125	5.6	76	4.5	14.6
6	198	6.9	152	5.2	119	5.8	76	4.6	19.7
8	177	7.1	133	5.6	106	5.6	69	4.4	-2.5
10	208	4.7	158	5.1	119	5.3	76	4.2	2.0
12	201	11.3	153	6.6	126	6.3	82	4.9	4.9
14	222	6.8	165	5.6	130	5.7	83	4.4	8.8
16	240	5.1	188	5.3	140	5.6	86	4.3	-0.1
18	187	5.9	158	5.4	127	5.4	81	4.3	13.1
20	218	3.6	171	4.9	131	5.5	85	4.5	16.5
22	245	5.4	184	4.5	140	5.4	84	4.1	19.4
MEAN	210	6.4	162	5.5	127	5.7	80	4.5	9.3

JUN.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	271	10.4	187	5.7	141	5.3	86	4.2	15.6
2	264	8.9	203	5.1	157	5.6	97	4.6	22.8
4									
6	193	5.7	162	4.9	129	4.9	80	4.1	17.4
8	178	3.1	156	5.3	121	4.8	73	4.0	19.6
10	232	5.9	184	4.8	147	4.9	88	4.1	21.0
12	254	11.4	200	7.3	157	6.6	100	5.0	3.8
14	253	7.2	206	6.6	163	6.1	102	5.1	4.1
16	315	6.9	245	6.1	186	6.3	110	5.1	4.6
18	266	4.8	224	6.2	172	6.2	102	5.1	3.4
20	322	4.7	219	5.6	176	5.3	107	4.7	16.1
22	275	7.8	222	6.4	176	6.4	110	5.4	5.0
MEAN	257	7.0	201	5.8	157	5.7	96	4.7	12.1

JUN.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	300	10.9	233	6.5	190	6.5	113	5.4	19.3
2	273	9.1	236	7.8	188	7.1	115	5.7	19.9
4	267	11.1	202	7.0	158	6.5	97	5.3	22.5
6	229	4.6	174	6.6	131	5.8	78	4.8	20.7
8	196	6.4	156	6.6	121	6.6	74	5.0	21.5
10	204	5.5	175	6.6	138	6.3	89	5.3	17.8
12									
14									
16									
18	214	7.8	179	7.8	146	7.8	91	5.6	17.6
20	216	5.1	170	6.0	142	6.6	88	5.3	21.9
22	204	6.4	169	7.8	138	7.3	84	5.4	19.0
MEAN	234	7.4	188	7.0	150	6.7	92	5.3	20.0

JUN.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	186	9.2	150	8.5	119	7.9	72	5.6	10.4
4	175	10.3	148	8.5	118	7.5	71	5.6	13.5
6	155	6.5	127	7.8	108	7.3	70	5.4	13.8
8	164	7.6	133	7.5	113	6.6	71	4.9	21.3
10	201	8.6	161	6.9	128	6.7	77	5.1	14.3
12	134	7.5	119	7.3	99	7.0	61	5.1	12.6
14									
16									
18	157	9.0	130	8.1	106	7.8	61	5.6	5.3
20	152	7.6	107	8.9	80	8.1	49	6.0	13.5
22	144	5.9	121	7.8	100	7.5	65	6.0	9.1
MEAN	163	8.0	133	7.9	108	7.4	66	5.5	12.6

JUN.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	7.9	114	8.9	92	8.3	56	6.5	5.1
2	139	9.5	112	8.4	91	8.6	56	6.4	7.3
4	145	6.8	109	8.5	87	8.3	54	6.3	8.4
6	126	8.1	101	8.8	83	8.1	52	6.0	6.4
8	106	5.1	92	7.1	76	6.8	50	5.1	5.8
10									
12	118	8.0	97	8.5	81	7.7	51	5.1	1.3
14	125	6.6	97	7.5	79	7.8	49	5.4	3.0
16	112	6.4	94	8.5	73	7.9	45	5.4	1.1
18	114	11.3	84	8.4	66	7.8	38	4.6	4.9
20	123	8.3	102	7.8	76	7.0	47	4.9	2.6
22	194	8.5	122	8.5	92	8.2	52	5.1	1.4
MEAN	132	7.9	102	8.3	81	7.9	50	5.5	4.3

JUN.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	131	8.8	100	8.0	76	6.9	47	4.6	4.5
2	163	9.0	111	7.9	80	7.1	47	4.6	4.3
4	149	7.6	107	7.6	84	7.4	51	5.3	3.7
6	155	5.7	120	7.3	91	6.6	53	4.4	4.3
8	127	6.3	109	6.5	87	5.9	53	4.2	3.4
10	129	7.9	102	6.2	85	6.2	54	4.3	1.7
12	143	4.0	119	6.1	94	5.9	56	4.1	1.7
14	175	4.0	132	6.4	103	6.3	61	4.3	6.6
16	175	3.9	130	7.1	97	6.7	56	4.3	4.7
18	223	10.3	143	7.6	114	7.0	68	4.8	3.6
20	190	4.8	139	6.3	107	6.1	65	4.3	6.4
22	143	5.8	128	6.7	110	6.3	69	4.6	8.4
MEAN	159	6.5	120	7.0	94	6.5	57	4.5	4.4

JUN.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	168	3.7	132	6.8	107	5.9	65	4.3	10.6
2	238	7.8	157	6.9	124	6.1	78	4.4	10.3
4	228	6.8	163	6.1	124	5.5	75	4.1	17.6
6	234	3.7	177	4.9	129	5.3	79	4.2	21.8
8	202	5.2	162	4.2	128	4.6	81	4.1	20.4
10	166	4.8	142	5.4	115	5.3	74	4.3	8.9
12	282	4.0	157	4.9	119	5.4	72	4.1	7.1
14	245	4.4	173	5.9	131	6.3	82	4.8	1.5
16	220	5.2	179	5.8	141	6.1	89	4.8	17.7
18	188	6.4	142	6.5	113	6.1	70	4.7	24.1
20	209	7.0	128	6.9	102	6.6	65	5.1	20.9
22	151	6.6	129	6.8	109	6.7	65	4.8	18.3
MEAN	211	5.5	153	5.9	120	5.8	75	4.5	14.9

JUN.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	6.6	126	6.6	103	7.1	64	5.0	20.4
2	161	8.4	132	6.9	107	7.0	65	5.1	17.0
4	156	6.8	132	7.4	107	7.0	65	5.1	14.0
6	195	4.7	139	6.7	110	5.9	70	4.4	18.3
8	219	4.6	168	4.8	129	5.0	81	4.3	28.3
10	154	7.3	131	5.3	105	5.4	64	4.1	20.3
12	170	7.0	118	6.3	99	5.8	65	4.3	20.7
14	135	6.4	113	6.5	90	6.3	55	4.3	19.9
16	133	5.3	111	6.4	92	5.8	57	4.2	24.1
18	144	7.0	131	7.1	105	6.6	66	4.8	21.7
20	123	6.6	116	6.7	93	6.7	55	4.8	16.9
22	199	6.8	129	6.4	103	6.3	65	5.0	18.1
MEAN	162	6.5	129	6.4	104	6.2	64	4.6	20.0

JUN.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	6.6	113	6.4	92	6.5	58	5.1	17.7
2	152	9.4	113	7.6	92	6.9	55	5.1	15.0
4	110	6.3	83	6.8	69	6.5	43	4.9	19.4
6	122	7.3	87	7.1	68	6.8	41	5.1	17.6
8	127	3.8	83	7.0	63	7.0	37	4.5	16.2
10	110	5.6	83	6.9	62	6.7	39	5.1	13.8
12	82	6.6	68	7.1	54	6.7	32	4.8	9.4
14	84	6.8	71	7.7	54	6.9	33	5.1	10.3
16	71	7.4	64	7.5	51	7.1	32	5.1	8.6
18	89	9.0	65	7.3	48	6.8	26	4.1	2.5
20	70	10.5	59	8.1	47	7.9	27	5.1	3.0
22	82	9.9	70	7.9	52	7.3	30	4.4	4.1
MEAN	103	7.4	80	7.3	63	6.9	38	4.9	11.5

JUN.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	77	7.9	67	8.3	52	8.5	29	5.3	1.6
2	73	9.5	58	7.8	48	7.4	28	4.9	2.5
4	73	8.7	64	8.6	51	7.9	32	5.9	-0.2
6	76	7.8	65	9.1	52	9.2	32	6.4	4.4
8	86	8.8	65	8.0	51	7.9	31	5.8	4.6
10	83	9.4	69	7.2	54	7.1	33	5.4	6.8
12	80	7.4	68	7.1	56	6.8	36	4.8	4.7
14									
16									
18	82	7.8	67	7.6	50	6.8	30	4.8	1.0
20	73	7.0	62	8.2	50	8.2	29	5.5	0.0
22	74	7.4	53	7.8	41	7.0	24	4.7	-0.2
MEAN	78	8.2	64	8.0	51	7.7	30	5.3	2.5

JUN.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	74	7.0	54	8.5	41	7.9	24	5.1	5.5
2	63	10.4	55	9.1	44	8.0	27	5.3	4.5
4	58	7.9	47	8.3	38	8.0	22	5.4	0.0
6	70	11.0	56	8.9	42	8.4	23	5.1	9.4
8	49	7.1	43	7.6	34	6.8	21	4.4	1.8
10	67	9.1	53	8.2	40	7.6	23	4.7	3.5
12	61	10.2	48	7.8	36	7.2	22	4.6	1.4
14	68	6.6	49	7.6	39	7.5	23	4.8	4.2
16	66	8.7	51	7.8	40	7.7	23	5.0	5.9
18	77	11.3	57	9.2	44	8.7	26	5.8	5.2
20	62	9.4	50	9.1	40	8.3	23	5.9	2.9
22	54	7.1	44	9.1	35	8.0	20	5.3	7.2
MEAN	64	8.8	51	8.4	39	7.8	23	5.1	4.3

JUN.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	48	13.3	45	8.9	38	8.4	23	5.8	9.1
2	54	10.8	45	9.9	38	9.0	23	6.3	5.7
4	66	8.9	49	7.9	37	7.3	21	4.6	7.5
6	64	8.8	50	8.0	37	6.2	22	3.7	-7.3
8	60	8.1	50	8.2	38	6.3	21	3.5	-4.8
10	68	7.6	56	7.1	44	5.9	27	3.6	-10.1
12	79	11.6	56	7.8	44	6.0	26	3.8	-5.8
14	83	6.1	60	6.9	47	5.8	28	3.8	-8.9
16	92	7.7	63	7.3	48	6.1	29	4.0	12.5
18	89	5.4	70	5.9	57	4.8	35	3.3	25.5
20	163	4.1	86	4.3	62	4.0	39	3.1	31.4
22	115	6.3	79	6.3	61	5.1	36	3.4	29.9
MEAN	82	8.2	59	7.4	46	6.2	28	4.1	7.1

JUN.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	91	6.3	69	7.7	54	6.5	32	4.0	18.9
2	134	5.7	67	5.8	52	4.8	32	3.3	20.7
4	157	3.1	105	5.1	68	4.5	40	3.1	30.9
6	214	4.1	135	4.0	92	4.1	55	3.3	30.1
8	180	4.9	103	5.5	80	5.0	51	3.8	23.3
10	95	6.9	78	5.5	63	5.1	39	3.6	18.0
12									
14	98	5.0	82	5.4	66	4.9	39	3.6	12.9
16	117	5.1	92	6.2	72	5.8	45	4.3	14.1
18	99	5.9	76	5.8	62	5.9	39	4.1	21.1
20	95	8.1	73	7.0	60	6.0	37	4.1	12.9
22	80	8.8	65	7.3	54	7.0	35	5.1	7.9
MEAN	124	5.8	86	5.9	66	5.4	40	3.8	19.2

JUN.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	82	9.3	64	7.1	49	6.5	29	4.2	6.8
2									
4									
6									
8	80	9.1	67	7.5	52	6.6	30	4.3	11.5
10	101	5.8	82	8.9	60	8.2	33	5.0	10.0
12	101	12.2	82	9.4	65	8.6	39	5.9	10.3
14	100	10.5	80	7.6	63	7.8	36	4.9	10.3
16	104	10.7	77	8.0	64	7.8	40	5.7	8.6
18	98	11.3	65	8.9	53	8.2	35	5.9	7.7
20	124	10.5	88	9.8	69	9.2	40	6.0	5.5
22	101	9.7	85	9.4	70	8.3	42	5.9	5.5
MEAN	99	9.9	77	8.5	61	7.9	36	5.3	8.5

JUN.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	11.7	85	9.2	62	8.4	36	5.5	6.6
2	151	11.3	93	9.8	67	9.0	40	6.2	4.0
4	129	6.6	98	9.3	74	8.6	41	5.4	6.9
6	158	5.3	103	7.7	74	6.8	43	4.1	27.6
8	117	8.3	102	7.9	78	6.8	44	4.0	32.4
10	187	7.2	114	8.0	83	6.4	49	4.3	24.8
12	184	6.0	115	7.4	81	5.9	48	3.8	26.0
14	152	6.3	118	8.0	85	7.2	48	4.7	18.6
16	128	9.3	100	8.5	71	6.7	41	4.4	22.0
18	269	5.0	157	6.0	106	6.5	60	4.4	28.3
20	168	11.8	137	9.7	104	8.5	60	5.3	17.3
22	232	7.3	153	8.9	108	8.7	60	5.4	18.3
MEAN	165	8.0	115	8.4	83	7.5	48	4.8	19.4

JUN.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	11.9	167	8.5	125	8.8	69	5.9	15.9
2	198	11.3	160	8.2	117	8.3	65	5.6	15.0
4	163	6.9	140	8.2	114	7.4	65	5.1	11.9
6	185	5.2	140	6.6	106	6.3	65	4.8	4.5
8	213	6.3	152	6.3	121	6.1	74	4.6	4.0
10	243	5.6	171	5.8	135	6.1	85	4.8	5.7
12	196	5.4	166	6.0	137	5.8	84	4.3	5.6
14	288	7.8	226	6.7	175	6.6	118	5.4	2.6
16	255	6.1	192	6.3	150	6.3	91	4.9	4.9
18	311	5.6	193	6.9	150	6.9	92	5.1	7.5
20	236	6.6	173	6.4	143	6.2	89	4.8	9.5
22	234	6.8	168	6.9	132	6.8	82	5.1	16.9
MEAN	227	7.1	171	6.9	134	6.8	82	5.0	8.7

JUL. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	127	5.8	91	6.1	72	5.6	43	3.8	-18.7
4	178	5.8	155	5.9	126	5.9	77	4.3	-12.9
6	236	9.3	193	7.8	163	6.8	106	5.5	-9.6
8	170	3.3	141	6.9	117	7.2	75	5.4	-7.3
10	163	4.3	121	7.1	97	7.1	61	6.3	1.1
12	166	8.8	129	10.3	96	9.4	56	7.4	5.7
14	186	8.6	123	8.8	88	8.6	52	6.3	3.4
16	96	6.6	74	8.8	58	7.6	34	5.1	3.6
18	104	9.6	83	7.9	67	7.8	40	5.2	3.4
20	160	3.4	92	6.9	72	6.3	45	4.6	-2.6
22	113	9.6	98	7.5	80	6.6	51	4.4	-5.1
MEAN	154	6.8	118	7.6	94	7.2	58	5.3	-3.5

JUN.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	7.8	187	7.3	150	7.4	88	5.6	14.4
2	184	6.6	159	7.3	123	7.4	76	5.5	13.6
4	172	8.0	148	7.4	120	7.5	77	5.4	7.0
6	163	5.7	137	6.3	118	6.8	76	5.3	9.7
8	136	7.0	121	6.6	100	6.9	61	5.3	10.2
10	161	3.6	132	7.1	103	7.6	64	5.6	16.3
12	136	7.4	120	9.1	94	8.3	56	5.8	14.2
14									
16	153	6.6	113	8.3	88	8.8	52	6.2	11.6
18	144	10.0	121	8.3	91	8.3	55	6.2	11.0
20	152	10.4	122	8.4	92	8.3	50	5.8	10.3
22	132	8.7	111	9.9	88	8.9	52	6.6	12.3
MEAN	159	7.4	134	7.8	106	7.8	64	5.8	11.9

JUL. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	8.5	105	8.3	84	7.1	51	4.6	-6.6
2	147	6.3	106	8.7	80	7.5	47	5.1	-2.6
4	99	9.6	81	9.9	61	7.8	36	5.3	4.6
6	80	6.4	60	7.0	46	6.8	28	5.1	9.0
8	77	5.8	66	9.8	49	8.3	29	5.6	9.8
10	79	8.3	63	8.1	45	7.2	27	5.3	12.1
12	79	5.8	62	8.3	47	7.3	28	5.2	10.1
14	68	10.0	60	7.0	48	6.4	29	4.6	-1.0
16	78	9.4	63	7.9	48	6.6	30	4.5	-7.3
18	89	6.7	72	7.8	54	6.8	33	4.8	-4.5
20	95	6.9	75	7.1	59	7.2	37	5.4	0.9
22	77	6.3	64	7.6	52	7.1	31	5.1	3.7
MEAN	91	7.5	73	8.1	56	7.2	34	5.0	2.3

JUN.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	127	6.9	102	8.3	80	8.4	49	6.4	11.7
2	135	9.9	117	7.9	95	8.6	60	7.3	13.2
4	120	8.2	105	8.4	81	8.3	45	5.6	11.5
6	117	6.1	103	6.8	82	7.3	50	5.8	9.3
8	99	8.8	82	8.2	64	8.2	41	6.3	7.8
10	99	6.9	87	7.3	73	8.0	46	6.2	7.0
12	141	11.0	105	8.4	78	8.0	45	5.6	2.9
14	110	11.3	80	9.8	63	8.9	38	6.1	3.7
16	119	5.9	86	9.0	63	8.6	36	5.4	4.4
18	78	10.4	70	9.0	58	7.8	35	4.9	-1.3
20	109	6.6	77	5.8	61	5.2	37	3.6	-3.9
22	110	4.8	84	6.9	65	5.4	41	3.9	-9.8
MEAN	114	8.1	92	8.0	72	7.7	44	5.6	4.7

JUL. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	89	6.5	63	7.8	50	8.0	31	6.2	3.5
2	62	10.3	54	9.9	45	9.3	28	6.4	2.6
4	74	10.0	61	9.3	51	8.8	31	6.8	6.6
6	67	8.3	54	9.2	42	9.0	24	6.2	8.0
8	65	6.6	52	9.4	41	8.3	24	5.8	5.9
10	52	9.3	49	8.0	43	8.4	27	6.3	7.0
12	68	7.7	61	7.7	47	7.4	27	4.8	6.0
14	87	5.3	67	8.0	51	7.3	29	4.5	-0.4
16	65	7.2	57	7.2	47	7.1	27	4.9	3.9
18	75	10.8	66	9.7	50	8.1	29	5.2	-7.2
20	86	6.5	71	7.8	54	7.5	31	5.1	-6.4
22	75	6.5	59	6.7	45	7.2	26	4.8	-1.4
MEAN	72	7.9	60	8.4	47	8.0	28	5.6	2.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 4.1985 TMEAM (SEC)	THETA (DEG)
0	89	7.6	59	7.9	46	7.9	27	5.5	2.4
2	70	10.1	49	10.6	39	9.4	24	6.2	-4.0
4	53	8.5	49	8.8	39	8.0	24	5.2	0.8
6	65	9.8	60	8.3	50	8.8	31	6.6	2.0
8	100	7.0	75	9.0	55	7.6	31	4.3	13.7
10	103	6.5	81	5.5	64	4.8	42	3.6	26.6
12	121	4.0	88	5.1	70	5.1	46	3.8	27.9
14	104	5.4	93	5.7	75	5.7	45	4.4	21.0
16	106	4.9	86	6.1	69	6.1	44	4.5	19.6
18	194	4.3	102	6.1	81	5.9	49	4.1	22.6
20	106	4.5	90	5.9	74	5.4	48	4.1	18.2
22	263	6.4	133	5.3	89	5.3	51	3.8	22.0
MEAN	115	6.6	80	7.0	63	6.7	39	4.7	14.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 7.1985 TMEAM (SEC)	THETA (DEG)
0	94	6.4	76	9.2	59	10.8	34	7.1	-0.6
2	119	5.9	94	10.1	65	9.6	36	6.9	3.4
4	75	14.9	65	13.4	50	11.3	31	7.6	-1.4
6	96	14.9	78	13.6	62	11.8	36	7.7	3.6
8	132	15.0	73	9.9	48	9.0	27	5.9	7.7
10	84	5.8	60	9.8	44	8.2	26	5.1	1.6
12	100	5.8	67	7.4	52	7.9	31	5.8	2.6
14	90	6.6	70	6.8	52	7.4	30	5.6	3.4
16	70	7.9	49	9.6	37	7.1	21	4.4	-2.3
18	119	15.6	75	10.1	51	8.6	28	5.6	1.8
20	90	10.0	74	9.0	58	9.1	35	6.5	2.1
22	78	7.9	62	7.4	49	7.3	30	5.4	2.9
MEAN	96	9.7	70	9.7	52	9.0	30	6.1	2.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 5.1985 TMEAM (SEC)	THETA (DEG)
0	166	4.0	109	5.8	85	6.1	53	4.6	16.8
2	182	4.6	103	6.4	79	6.1	48	4.3	20.6
4	193	4.1	107	5.9	79	5.8	47	4.2	13.5
6	103	9.0	88	9.6	70	7.3	42	4.8	18.0
8	141	8.6	91	7.4	70	6.9	42	4.7	12.1
10	157	5.0	122	6.4	89	7.0	53	5.0	11.0
12	147	4.6	109	5.1	80	5.3	49	4.7	7.1
14	163	5.1	121	5.8	85	6.3	52	5.3	8.0
16	94	6.3	76	7.5	58	6.8	36	4.8	9.6
18	138	5.1	97	8.3	65	8.0	37	5.7	7.4
20	90	11.0	69	9.3	48	8.3	28	5.4	7.3
22	101	6.1	75	11.0	54	9.2	31	5.8	3.3
MEAN	140	6.1	97	7.4	72	6.9	43	4.9	11.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 8.1985 TMEAM (SEC)	THETA (DEG)
0	72	7.8	62	9.1	51	8.3	32	6.1	7.4
2	72	10.5	60	9.5	48	8.6	30	6.0	6.5
4	70	5.7	56	10.0	42	8.1	25	5.1	9.1
6	79	10.1	67	10.9	49	9.5	30	6.5	7.1
8	92	5.0	60	6.5	46	5.6	29	3.5	39.3
10	77	6.6	55	6.7	41	5.9	24	3.6	12.7
12	85	6.3	56	7.8	43	6.7	26	4.3	8.0
14	69	9.0	60	7.0	45	6.2	27	4.1	5.8
16	115	4.4	59	7.1	42	5.5	25	3.3	8.8
18	65	6.8	53	8.5	42	6.4	27	4.2	5.9
20	83	13.7	59	8.7	42	6.5	25	3.9	-1.4
22	88	13.3	54	8.7	41	6.8	24	4.4	-4.6
MEAN	81	8.3	58	8.4	44	7.0	27	4.6	8.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 6.1985 TMEAM (SEC)	THETA (DEG)
0	73	11.7	58	12.4	44	10.1	26	6.1	2.4
2	115	5.7	84	9.0	61	9.0	35	6.3	3.6
4	70	7.0	59	9.4	46	9.2	26	6.1	4.3
6	93	15.1	73	11.5	57	11.6	34	7.9	5.3
8	127	6.6	94	8.5	68	10.1	37	6.5	3.1
10	108	10.9	94	7.3	74	8.0	46	6.9	3.0
12	113	5.6	87	7.6	63	7.4	37	5.4	2.0
14	128	5.3	110	5.5	78	7.1	46	6.6	0.0
16									
18	97	9.3	63	12.1	48	9.6	29	5.8	-5.7
20	88	6.4	67	10.9	53	9.4	31	6.3	-0.7
22	79	8.3	60	9.0	46	8.3	28	5.4	-5.2
MEAN	99	8.4	77	9.4	58	9.1	34	6.3	1.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 9.1985 TMEAM (SEC)	THETA (DEG)
0	63	12.0	49	9.6	37	7.4	22	4.6	-5.1
2	62	5.6	56	10.1	44	8.5	26	5.7	-0.2
4	61	12.1	50	12.6	40	10.3	25	6.7	5.9
6	86	9.9	65	9.5	47	9.1	26	5.9	7.2
8	67	13.4	56	11.3	43	9.2	25	5.6	4.4
10	73	13.5	47	8.8	37	7.3	21	4.6	4.2
12	68	8.8	53	9.5	40	8.1	23	4.9	10.0
14	86	9.0	63	8.0	48	6.9	29	4.3	-2.2
16	65	8.6	55	7.7	42	6.4	24	4.0	0.3
18	80	7.3	65	7.8	50	6.9	30	4.3	-1.2
20	75	9.2	61	8.9	47	7.7	29	4.9	-3.0
22	67	9.2	55	10.1	43	8.3	25	4.9	3.2
MEAN	71	9.9	56	9.5	43	8.0	25	5.0	2.0

JUL.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	75	7.8	52	8.9	40	7.6	23	4.8	7.9
2	86	6.9	66	9.4	49	9.2	31	6.1	8.6
4	63	8.1	55	9.9	44	8.3	27	5.2	8.3
6	65	9.3	55	10.0	44	8.8	26	5.8	8.7
8	56	8.7	49	8.8	40	7.4	24	5.1	8.2
10	60	8.1	51	8.9	40	7.6	25	5.3	6.2
12	57	13.8	50	8.3	40	7.3	23	4.9	7.7
14	68	6.6	52	7.1	40	6.4	24	4.1	8.0
16	85	7.4	63	7.4	48	6.5	27	3.8	-1.7
18	71	6.2	59	8.7	47	8.0	27	4.8	4.9
20	81	6.6	61	8.6	47	8.3	27	5.3	7.8
22	102	6.6	72	8.4	54	7.8	31	5.2	5.7
MEAN	72	8.0	57	8.7	44	7.8	26	5.0	6.7

JUL.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	65	9.8	56	8.1	44	6.5	27	4.4	-8.4
2	73	7.9	59	8.0	47	6.3	28	4.1	-8.2
4	71	6.4	62	7.1	50	6.1	32	4.0	-18.7
6	96	5.1	81	7.0	62	6.0	36	3.8	-20.5
8	103	10.8	88	6.1	70	5.3	43	3.9	-13.7
10	134	5.5	105	5.8	83	5.8	51	4.4	-11.7
12	133	8.5	112	6.9	87	6.6	57	5.3	-6.8
14	116	5.1	91	6.6	70	5.9	43	4.2	-9.5
16	116	5.4	93	7.6	71	7.0	43	4.8	-8.0
18	102	7.8	89	7.2	74	7.4	49	5.5	-8.1
20	114	7.0	88	6.9	70	6.9	42	5.0	-6.1
22	146	6.4	109	7.4	83	7.4	48	5.4	-1.9
MEAN	106	7.1	86	7.1	68	6.4	42	4.6	-10.1

JUL.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	6.1	94	8.0	77	7.9	48	5.8	-4.2
2	135	9.6	99	7.0	80	7.0	47	5.2	-2.7
4	136	5.4	108	7.6	82	7.3	49	5.3	0.1
6	115	6.1	91	8.0	70	7.6	40	4.8	-1.0
8	128	6.1	97	6.6	71	6.4	42	4.7	-1.6
10	101	7.6	79	6.8	63	7.1	39	4.8	1.0
12	105	5.5	80	7.6	60	7.3	37	5.0	0.1
14	112	6.1	84	8.8	62	8.3	36	5.6	4.2
16	106	7.4	97	8.6	81	9.1	44	5.9	8.3
18	117	7.3	100	8.6	77	8.1	44	5.6	9.5
20	123	9.6	109	9.6	83	8.8	47	6.3	6.7
22	123	9.8	101	9.3	80	8.8	49	6.3	7.4
MEAN	119	7.2	95	8.0	74	7.8	44	5.4	2.3

JUL.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	6.5	98	8.2	79	8.1	47	6.2	2.5
2	178	9.4	115	8.8	84	8.8	48	5.9	6.5
4	129	9.5	99	8.7	75	7.7	43	5.3	7.0
6	106	9.9	86	8.1	68	7.8	41	5.6	5.8
8	109	10.8	94	8.9	74	8.2	43	5.6	9.8
10	138	5.6	96	7.1	76	7.3	45	5.2	10.4
12	127	10.8	102	8.5	77	7.9	42	5.5	10.1
14									
16									
18	145	9.0	95	8.2	68	7.9	39	5.6	7.8
20	92	6.8	79	7.7	61	7.6	35	5.1	5.3
22	95	10.1	76	7.5	59	7.4	34	5.2	-0.5
MEAN	124	8.8	94	8.2	72	7.9	42	5.5	6.5

JUL.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	80	6.6	71	7.4	59	7.2	35	5.1	-4.2
2	81	8.3	71	7.6	58	7.9	36	5.8	-0.2
4	84	7.2	66	7.1	49	7.6	29	5.6	7.2
6	89	9.9	65	9.3	49	7.9	29	4.9	6.2
8	87	8.5	65	8.6	54	8.0	34	6.3	8.7
10	66	8.3	58	7.6	47	7.5	27	5.0	7.1
12	70	9.8	58	8.1	48	7.6	28	5.1	3.6
14	79	8.3	65	8.3	50	7.5	30	5.4	-0.2
16	73	6.6	58	8.3	47	7.8	28	5.6	0.1
18	70	7.4	58	7.4	45	7.0	26	4.3	0.7
20	85	7.6	62	6.6	48	5.6	29	3.5	6.9
22	94	6.5	66	6.3	51	5.2	31	3.4	6.9
MEAN	80	7.9	64	7.7	50	7.2	30	5.0	3.6

JUL.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	82	5.2	68	6.8	52	5.6	32	3.8	19.5
2	74	8.1	65	7.6	52	6.8	32	4.7	9.8
4	99	6.2	60	7.5	47	6.5	29	4.8	6.0
6	99	9.0	72	6.7	52	6.8	32	4.9	10.5
8	76	7.8	58	7.6	46	7.1	29	5.1	9.6
10	93	8.8	67	7.3	53	7.1	31	5.2	9.2
12	68	6.5	59	7.3	47	6.8	28	4.5	6.8
14									
16									
18									
20									
22									
MEAN	84	7.4	64	7.3	50	6.7	30	4.7	10.2

JUL.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	63	9.3	56	8.5	45	8.1	27	5.6	0.1
14	85	7.5	62	7.8	48	7.8	28	5.2	-4.8
16	71	11.0	58	9.0	45	7.5	28	5.6	-8.1
18	56	6.8	48	7.8	39	7.1	22	4.8	-10.3
20	77	6.1	54	7.4	40	6.6	24	4.6	-13.1
22	59	9.0	44	6.7	35	6.3	22	4.1	-13.5
MEAN	69	8.3	54	7.9	42	7.2	25	5.0	-8.3

JUL.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	53	6.1	45	6.8	36	6.1	22	4.3	-12.7
2	65	7.8	53	8.3	43	7.7	26	5.1	-8.8
4	66	8.9	47	7.9	39	7.6	24	5.3	-0.8
6	79	9.1	51	8.8	38	7.5	24	5.3	-2.5
8	75	8.5	58	7.4	46	6.8	29	5.3	-1.4
10	73	6.1	61	7.3	47	6.8	28	4.8	0.5
12	71	5.6	51	7.5	37	6.3	22	4.3	-1.5
14	95	6.1	58	8.5	44	7.3	26	4.4	-1.9
16	69	6.0	49	8.9	38	7.1	22	4.6	-3.2
18	69	7.3	51	6.0	40	4.8	25	3.1	17.8
20	78	7.0	57	7.4	44	6.1	27	3.9	13.5
22	63	6.1	51	7.9	41	6.4	25	4.0	14.4
MEAN	71	7.0	53	7.7	41	6.7	25	4.5	1.1

JUL.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	72	6.4	56	7.6	43	7.7	26	5.0	5.1
2	63	10.0	49	8.5	38	7.0	23	4.4	-1.7
4	69	9.5	58	9.5	47	8.6	27	5.6	4.3
6	59	9.3	51	8.3	41	7.3	24	4.6	7.3
8	77	6.1	58	8.5	45	6.5	26	4.0	11.1
10	90	6.8	59	5.6	44	5.1	27	3.4	16.5
12	71	5.9	59	6.9	46	5.1	30	3.6	19.4
14	81	4.8	63	6.0	48	5.0	30	3.5	14.6
16	82	4.5	61	5.8	47	4.9	29	3.3	29.3
18									
20									
22									
MEAN	74	7.0	57	7.4	44	6.4	27	4.2	11.8

JUL.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 4.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 5.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 6.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 7.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	78	5.1	66	7.1	54	6.6	35	4.6	-12.4
18	96	8.5	84	8.3	66	8.0	39	5.9	-6.0
20	107	9.8	82	8.4	64	7.8	38	5.3	-8.5
22	87	10.3	71	7.8	58	7.4	35	5.3	-10.7
MEAN	92	8.4	76	7.9	61	7.4	37	5.3	-9.4

AUG. 8.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	109	7.6	90	7.6	69	7.7	41	5.4	-4.3
2	105	9.6	76	7.6	61	7.1	36	4.8	-4.6
4	103	5.1	73	6.6	59	6.8	37	5.2	-5.2
6	99	5.8	76	6.4	59	5.3	38	3.5	-21.5
8	85	6.5	71	8.7	55	6.9	32	4.6	-11.9
10	106	7.7	79	8.4	58	7.4	33	4.8	-5.2
12	99	9.8	73	8.3	59	7.3	35	4.6	-7.9
14	89	8.0	72	7.5	53	5.8	31	3.6	-13.4
16	108	10.5	71	6.8	55	5.8	32	3.7	-20.3
18	75	8.8	67	8.4	55	7.3	32	4.6	-15.2
20	80	7.3	70	8.0	53	7.6	31	5.0	-6.7
22	91	8.0	66	8.0	51	7.7	31	5.6	-8.4
MEAN	96	7.9	74	7.7	57	6.9	34	4.6	-10.4

AUG. 9.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	9.5	70	8.4	52	7.6	31	5.2	-5.6
2	87	5.5	61	7.6	46	6.9	28	4.5	-3.7
4	82	10.0	71	7.9	58	7.8	35	5.6	-4.2
6	95	9.6	78	8.7	56	7.9	32	5.4	-5.5
8	82	7.1	69	7.8	54	7.4	33	5.1	-7.1
10	77	9.8	66	8.1	54	7.6	33	5.3	2.3
12	87	6.8	73	7.9	58	8.3	35	6.1	0.6
14	81	10.8	58	7.6	44	6.4	27	4.5	-0.6
16	82	7.1	63	7.6	47	6.5	26	3.8	-4.7
18	99	7.2	77	8.4	55	6.8	31	4.4	-11.0
20	95	8.3	82	7.5	63	6.9	38	4.6	-4.8
22	129	6.1	94	7.6	72	7.6	43	5.8	-1.8
MEAN	92	8.1	72	7.9	55	7.3	33	5.0	-3.8

AUG.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	103	8.3	87	7.9	66	7.1	41	5.6	-2.7
2	88	8.3	80	7.5	64	7.3	38	5.6	0.1
4	122	6.3	95	6.9	75	7.2	44	5.1	4.1
6	134	5.4	92	6.8	68	6.4	40	5.1	-1.2
8	136	5.7	91	7.1	69	6.9	41	5.0	-1.2
10	123	9.0	90	7.2	70	6.7	44	5.3	-1.0
12	118	8.5	94	7.1	72	6.8	40	4.5	-2.0
14									
16									
18	104	8.8	80	7.9	61	7.3	36	5.1	-7.4
20	106	9.3	91	7.9	71	7.4	42	5.8	0.0
22	88	6.6	74	7.5	63	7.8	39	5.9	-5.8
MEAN	112	7.6	87	7.4	68	7.1	41	5.3	-1.7

AUG.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	92	7.6	83	7.8	66	7.3	41	5.6	-2.9
2	107	5.6	89	7.1	74	7.0	46	5.6	-1.9
4	120	6.1	86	7.1	70	7.4	43	5.4	-0.8
6	114	9.7	94	7.4	73	7.1	43	5.1	-3.5
8	108	4.8	88	6.6	69	6.5	41	4.8	-4.7
10	175	5.2	96	7.1	73	6.9	46	5.4	-3.8
12	106	8.6	89	7.6	66	6.9	41	5.1	-6.4
14	122	5.9	80	6.8	65	6.7	41	5.1	-5.3
16	112	6.6	98	6.8	81	6.7	46	4.7	-5.8
18	129	7.9	105	6.8	83	6.4	49	4.2	-11.0
20	152	7.1	125	6.8	105	6.8	60	4.8	-10.7
22	212	8.4	153	8.5	124	8.0	79	6.5	-7.1
MEAN	129	7.0	99	7.2	79	7.0	48	5.2	-5.3

AUG.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	9.8	140	8.8	107	7.8	63	5.8	-7.5
2	202	8.2	156	8.6	119	7.6	70	5.4	-11.9
4									
6	143	7.1	115	7.2	88	7.4	54	5.6	-5.5
8	148	5.8	120	6.5	98	6.6	55	4.3	-5.0
10	134	8.6	109	7.4	88	6.8	56	5.1	-7.1
12	125	5.7	97	7.1	77	6.6	46	4.8	-7.6
14	103	5.3	87	7.4	70	7.1	44	5.2	-10.0
16	121	6.3	95	7.7	77	7.4	48	5.1	-1.5
18	96	7.1	79	7.6	61	7.9	38	6.2	-7.2
20	111	5.9	74	7.7	58	7.8	34	5.6	-3.7
22	97	8.3	76	8.3	61	7.3	34	4.6	-5.0
MEAN	132	7.1	104	7.7	82	7.3	49	5.2	-6.5

AUG.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	93	7.6	78	8.1	59	7.8	36	5.8	-6.8
2	116	8.6	72	7.5	58	7.6	35	5.7	-6.0
4	135	7.7	93	8.0	64	7.8	38	5.8	-2.1
6	124	5.8	90	7.4	73	7.1	47	5.6	-5.8
8	110	5.9	77	5.8	58	5.0	35	3.6	-4.5
10	134	9.0	80	8.3	60	7.4	35	5.5	-3.5
12									
14									
16									
18	76	6.8	64	8.8	53	8.6	34	5.7	-8.2
20	91	9.2	68	9.0	53	8.5	30	5.8	-2.0
22	90	8.4	65	8.4	51	8.3	31	6.1	-5.3
MEAN	108	7.7	76	7.9	59	7.6	36	5.5	-4.9

AUG.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	98	8.6	83	9.5	63	8.6	38	6.6	-6.5
2	73	9.4	56	7.6	43	6.5	27	4.2	-9.1
4	97	8.2	81	9.3	65	8.4	40	6.6	-5.5
6	100	9.5	71	7.6	52	6.6	31	4.4	-2.1
8	116	9.3	88	9.3	64	8.8	36	6.0	1.4
10	124	7.9	83	6.6	64	5.6	43	4.1	-4.1
12	128	9.9	101	8.6	78	8.6	45	6.3	-3.0
14	114	7.6	95	9.2	72	8.6	39	5.4	-8.2
16	120	10.3	88	9.2	65	8.9	35	5.3	-13.2
18	118	9.5	87	8.7	62	6.8	36	4.1	-5.6
20	139	10.8	96	9.3	75	8.9	43	6.3	-8.9
22	108	10.8	91	9.0	74	8.9	40	6.1	-3.4
MEAN	111	9.3	85	8.7	65	7.9	38	5.4	-5.7

AUG.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	10.0	101	9.6	82	8.9	46	6.8	-4.1
2	161	8.6	111	8.6	84	9.0	49	7.3	-6.2
4	122	9.8	102	9.8	79	9.2	49	7.5	-4.2
6	124	9.0	100	8.6	78	8.8	48	7.1	-3.8
8	122	7.1	100	7.5	80	8.2	48	5.9	0.5
10	112	8.8	89	8.5	66	7.5	35	4.9	-3.1
12	114	7.7	96	7.8	75	7.6	45	5.2	-4.5
14	138	8.5	109	8.3	80	8.2	41	5.3	-5.4
16	116	8.5	90	8.8	68	8.3	38	4.9	-9.7
18	135	8.5	112	9.0	87	9.0	45	5.5	-8.2
20	113	8.3	94	8.3	74	8.5	45	6.3	-8.7
22	116	8.3	92	8.8	68	8.3	42	6.2	-5.9
MEAN	125	8.6	100	8.6	77	8.5	44	6.1	-5.3

AUG.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	6.8	90	7.4	61	6.6	37	4.8	-7.9
2	96	7.3	78	7.8	60	7.6	34	5.0	-5.2
4	98	8.1	80	8.6	64	8.3	41	5.9	-6.8
6	83	9.0	75	9.5	60	8.5	37	6.5	-7.8
8	120	9.4	90	8.0	67	8.3	38	6.0	-1.9
10	114	5.9	88	7.3	69	8.1	42	5.9	0.2
12	108	7.4	76	7.6	56	7.2	31	4.5	-5.0
14	108	8.6	77	8.5	59	8.5	35	5.6	0.4
16	120	10.1	76	8.7	54	7.9	29	4.8	-6.0
18	106	10.1	79	7.1	60	5.6	40	3.5	-22.5
20	89	7.6	77	8.4	60	8.8	36	6.4	-2.9
22	77	8.5	66	8.5	53	8.8	32	6.6	0.6
MEAN	103	8.2	79	8.1	60	7.8	36	5.5	-5.4

AUG.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	8.8	85	8.5	67	8.3	40	6.4	4.1
2	83	9.9	68	10.1	54	8.9	36	7.2	2.7
4	97	10.0	77	9.3	61	9.4	38	7.1	-0.4
6	77	8.6	70	9.3	59	8.8	40	7.3	3.1
8	88	10.6	74	8.4	57	8.5	35	6.6	5.2
10	114	6.0	75	5.4	58	5.3	35	3.8	5.5
12	122	10.1	101	9.0	71	8.5	40	5.9	4.4
14	111	8.9	78	7.0	61	6.0	35	3.8	10.3
16	102	10.7	84	9.5	63	8.4	34	5.0	2.4
18	116	9.6	89	8.7	66	7.1	40	4.4	3.3
20	121	9.8	94	9.2	71	8.8	42	6.4	7.9
22	130	9.5	95	9.1	74	8.6	44	6.2	6.9
MEAN	105	9.4	83	8.6	64	8.0	38	5.8	4.6

AUG.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	102	8.2	91	8.8	68	8.9	37	5.9	8.1
2	84	10.1	72	9.3	58	9.3	34	6.4	6.7
4	85	10.8	72	9.8	60	9.3	37	6.9	5.8
6	94	7.9	75	8.4	57	7.3	35	4.5	0.7
8	100	7.9	89	9.5	70	9.5	38	6.9	4.1
10	129	4.4	92	7.3	65	7.6	38	5.0	6.0
12	114	7.8	83	7.9	64	8.4	34	5.1	9.2
14	104	8.0	81	7.8	62	8.5	34	5.4	6.0
16	111	9.5	85	8.6	65	8.8	36	5.4	0.8
18	98	10.6	67	8.7	52	7.5	29	4.8	-12.8
20	95	10.1	69	9.6	51	8.3	29	5.3	-3.3
22	113	7.0	68	7.8	49	7.1	30	4.8	4.6
MEAN	102	8.5	79	8.6	60	8.4	34	5.5	3.0

AUG.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	11.0	75	10.1	56	9.3	32	6.8	4.3
2	81	10.4	62	9.9	44	8.1	24	4.9	-0.5
4	92	9.5	71	10.1	57	9.4	34	6.8	0.9
6	88	10.3	64	8.6	47	7.3	27	4.3	-2.0
8	214	5.9	117	5.9	78	4.6	46	3.3	26.5
10									
12	145	5.2	112	5.9	90	5.1	56	3.9	26.2
14	139	4.4	105	5.9	82	5.4	50	3.9	25.1
16	174	6.4	112	6.3	87	5.7	52	4.1	21.7
18	118	6.2	97	5.8	78	5.8	48	4.1	25.3
20	139	4.1	98	5.9	75	4.8	48	3.3	31.7
22	125	6.3	92	5.2	73	5.1	45	3.8	22.1
MEAN	128	7.2	91	7.2	70	6.4	42	4.5	16.5

AUG.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	132	6.1	94	5.8	72	5.0	44	3.7	19.6
2	124	5.4	99	6.3	77	5.3	48	4.0	15.8
4	174	5.9	107	6.0	79	5.2	47	3.6	16.3
6	169	5.6	124	6.6	96	6.1	59	4.2	13.0
8	138	7.7	106	6.1	85	5.7	54	4.1	10.5
10	173	9.0	111	6.5	85	6.6	53	4.6	15.8
12	149	6.5	101	6.5	80	6.0	49	4.3	14.0
14	117	5.1	99	6.7	82	6.8	51	4.9	8.8
16	111	5.3	99	6.4	80	6.6	48	4.6	8.4
18	162	5.9	107	6.8	83	6.7	52	5.2	7.3
20									
22									
MEAN	145	6.2	105	6.4	82	6.0	51	4.3	12.9

AUG.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	170	9.1	141	10.0	108	8.4	61	6.2	9.3
14									
16	293	12.6	222	9.5	165	8.8	90	6.8	12.3
18									
20									
22									
MEAN	232	10.8	182	9.8	137	8.6	76	6.5	10.8

AUG.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	263	12.8	216	9.5	171	8.6	94	6.6	15.9
14	258	9.1	206	10.6	169	8.4	97	6.3	15.1
16	259	11.4	220	10.7	173	8.9	100	6.9	12.0
18	280	10.8	224	9.5	178	9.3	102	7.1	17.0
20	208	10.3	176	9.5	143	8.3	86	6.8	13.1
22	276	12.7	218	9.6	169	9.6	90	6.8	15.1
MEAN	257	11.2	210	9.9	167	8.8	95	6.7	14.7

AUG.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	197	9.6	178	8.0	143	8.8	79	6.7	15.7
2	243	7.8	198	9.1	154	8.2	83	6.2	21.8
4									
6	256	10.8	216	9.3	170	8.5	85	5.8	17.0
8									
10	234	10.4	196	9.8	157	9.3	89	7.1	13.8
12	255	10.6	221	10.0	176	9.0	98	7.2	13.9
14	243	11.2	188	8.9	141	9.3	84	7.0	14.8
16	219	5.1	192	8.4	151	9.0	89	6.8	15.6
18									
20	190	9.8	169	10.0	133	9.5	83	7.7	13.1
22	241	10.3	158	9.5	121	9.3	69	7.3	12.2
MEAN	231	9.5	191	9.2	150	9.0	84	6.9	15.3

AUG.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	193	7.6	157	8.6	114	7.6	66	5.1	11.8
2	178	10.9	145	8.8	115	9.0	67	7.4	11.5
4	152	10.7	126	8.4	96	8.3	54	6.3	10.7
6	138	7.9	117	8.3	92	7.8	51	5.3	11.5
8	139	10.9	117	9.2	96	8.8	58	7.3	11.0
10	198	5.3	131	8.2	99	8.0	58	6.3	7.9
12	137	9.3	110	9.4	78	8.5	42	5.7	8.2
14									
16									
18	149	9.4	113	8.3	88	7.9	52	5.3	-5.8
20	121	7.1	104	8.3	81	7.7	45	4.7	-0.9
22	118	9.3	91	9.2	73	8.8	44	6.4	2.6
MEAN	152	8.8	121	8.7	93	8.2	54	6.0	6.8

AUG.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	7.6	104	8.0	82	9.0	51	7.3	3.9
2	106	7.2	76	7.3	58	6.3	37	4.5	3.1
4	131	7.6	98	9.1	76	8.4	43	6.3	5.6
6	94	9.4	74	8.3	56	7.7	33	6.1	6.7
8	100	9.5	80	7.2	63	6.1	41	4.3	4.1
10	109	9.3	89	9.9	68	8.8	43	7.1	4.8
12	118	10.7	106	8.9	81	8.8	47	6.6	5.4
14	129	10.5	86	9.3	65	8.7	34	5.5	2.7
16	91	10.3	82	9.9	66	9.4	37	6.3	-2.0
18	99	7.7	73	7.3	57	6.2	34	4.0	1.8
20	111	9.1	91	9.5	73	9.3	42	6.3	-3.6
22	101	10.3	88	9.9	71	9.0	43	6.8	0.6
MEAN	109	9.1	87	8.7	68	8.1	40	5.9	2.8

AUG.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	92	8.6	71	9.5	58	9.0	34	6.5	2.1
2	132	10.0	111	9.0	84	8.8	51	7.5	4.0
4	145	8.4	100	8.0	70	8.1	38	5.4	3.4
6	115	9.1	101	9.3	77	8.8	45	6.9	3.5
8	142	11.7	101	10.4	76	8.8	43	6.8	2.3
10	134	10.5	100	9.5	78	8.5	43	6.1	3.4
12	136	7.3	111	8.2	79	8.3	45	5.6	2.6
14	121	8.8	102	9.0	75	7.9	41	4.8	-11.0
16	103	10.0	89	9.2	72	7.9	45	5.3	-15.9
18									
20									
22									
MEAN	124	9.4	98	9.1	74	8.5	43	6.1	-0.6

AUG.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	133	10.0	90	8.9	64	7.6	36	4.6	-12.1
18	116	9.2	85	8.6	63	7.3	35	4.4	-3.7
20	113	10.4	95	9.8	74	9.0	43	6.3	-6.1
22	109	8.9	79	7.9	58	6.3	36	4.6	-2.2
MEAN	118	9.6	87	8.8	65	7.5	38	5.0	-6.0

AUG.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	99	8.5	83	8.4	61	8.4	35	5.4	-0.9
2	127	9.3	88	9.3	65	8.3	38	5.6	0.5
4	147	10.4	99	8.9	74	8.8	45	6.4	2.5
6	126	5.8	105	8.1	78	8.8	45	6.6	7.1
8	134	4.6	94	7.5	70	7.1	39	4.7	7.6
10	201	11.6	162	9.4	119	8.6	65	6.3	4.1
12	190	9.3	141	9.5	97	8.2	52	5.0	-1.2
14	207	5.1	142	8.5	102	8.3	54	5.4	1.5
16	148	5.9	114	8.4	89	8.3	53	5.6	0.3
18	266	12.0	187	8.5	123	8.4	68	6.1	-1.6
20	287	4.9	170	7.9	117	6.5	64	4.3	-0.4
22	242	5.8	216	8.1	172	8.0	97	5.9	-5.8
MEAN	181	7.8	133	8.5	97	8.1	55	5.6	1.1

AUG.31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	239	10.4	206	9.6	167	7.8	96	6.0	-5.3
2	272	6.9	227	7.5	187	7.4	111	5.8	-10.1
4	249	8.3	227	8.3	196	7.9	120	5.8	-12.3
6	256	7.3	200	8.0	151	7.1	85	4.9	-8.4
8	218	11.0	176	8.9	140	9.0	88	7.3	-5.7
10	192	11.5	149	8.6	116	7.3	69	5.6	-4.0
12	237	9.2	175	8.4	121	7.9	68	6.1	-1.4
14	161	7.1	137	7.3	105	6.0	69	4.4	-10.2
16									
18									
20	185	6.1	119	6.3	88	5.8	55	4.0	-9.2
22	156	6.5	129	7.1	102	6.9	65	5.6	-7.1
MEAN	217	8.4	175	8.0	137	7.3	83	5.5	-7.4

SEP. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	136	6.8	105	7.4	80	6.4	51	5.0	-11.7
2	111	7.3	88	7.1	70	6.7	43	4.9	-11.9
4	104	5.6	85	7.5	64	6.4	39	4.2	-8.4
6	109	9.0	79	9.3	62	8.2	38	6.1	-11.0
8	121	4.8	103	7.8	88	8.1	54	6.1	-2.8
10	138	8.8	102	8.7	76	7.7	46	5.9	-2.3
12	154	7.3	110	7.7	84	7.5	52	5.9	-7.7
14	132	6.8	109	6.8	84	6.9	50	5.6	-8.4
16	108	7.8	95	7.2	79	6.8	50	5.6	-13.1
18	108	5.8	91	7.9	72	7.8	45	6.1	-8.2
20	113	7.6	95	7.9	74	7.3	44	5.0	-3.4
22	115	7.4	82	7.5	60	7.8	37	6.1	-6.6
MEAN	121	7.1	95	7.7	74	7.3	46	5.5	-8.0

SEP. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	85	8.4	70	7.6	56	7.1	34	5.0	-5.3
2	112	5.8	76	6.2	55	5.8	36	4.3	-7.8
4	105	9.4	91	9.1	71	8.4	45	6.6	-5.1
6	103	9.6	87	7.9	70	7.7	42	5.8	-7.6
8	116	9.3	101	8.8	84	8.1	55	6.4	-2.1
10	90	6.9	68	6.8	50	6.3	29	4.2	-6.7
12	94	6.4	77	5.9	61	5.0	38	3.8	13.3
14	97	6.5	82	5.8	66	5.5	41	4.0	13.5
16	99	5.8	77	5.5	62	5.3	39	4.1	14.3
18	122	5.3	95	5.1	76	4.9	47	3.5	15.3
20	108	4.8	84	4.8	66	4.8	41	3.6	18.3
22	147	4.9	94	5.6	72	5.1	43	3.7	14.7
MEAN	107	6.9	84	6.6	66	6.2	41	4.6	4.6

SEP. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	112	5.1	91	6.1	72	5.5	45	3.9	10.9
2	152	7.5	102	6.3	76	6.0	45	4.2	8.7
4	121	11.2	93	8.4	71	6.3	43	4.2	10.7
6	161	8.3	121	8.8	89	7.8	49	4.7	17.5
8	135	9.6	107	8.5	87	7.8	50	4.9	17.1
10	163	8.8	111	6.9	82	6.1	47	4.0	21.1
12	145	8.3	103	7.5	77	6.4	46	4.5	17.4
14	128	5.1	102	7.3	81	7.1	46	4.6	13.4
16	149	7.3	117	7.8	92	7.6	57	5.5	15.4
18	128	8.4	99	7.0	78	5.9	45	3.8	15.6
20	152	8.4	113	7.6	90	7.6	53	5.6	13.2
22	127	8.1	90	7.4	70	7.1	42	4.8	15.2
MEAN	139	8.0	104	7.5	80	6.8	47	4.6	14.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	4.1985 THETA (DEG)
0	96	6.6	81	7.4	66	6.9	41	4.9	15.8
2	120	8.0	99	7.1	78	7.6	46	5.3	10.7
4	117	8.8	94	7.4	72	7.4	42	5.3	11.9
6	117	6.1	94	8.1	76	7.3	46	5.8	7.9
8	108	6.7	83	7.5	60	7.4	36	5.1	9.7
10	109	9.3	79	8.6	61	7.6	35	5.3	9.9
12	97	11.0	78	9.1	60	8.1	35	5.4	7.3
14	99	6.9	76	7.3	59	7.8	34	5.7	6.7
16	91	8.0	75	7.3	61	7.7	37	5.3	4.5
18	93	9.9	62	8.6	47	7.2	28	4.7	-2.7
20	76	9.9	63	8.3	50	7.6	30	5.1	5.4
22	81	7.2	71	8.5	56	7.9	34	5.7	7.2
MEAN	100	8.2	80	7.9	62	7.5	37	5.3	7.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	7.1985 THETA (DEG)
0	95	9.5	65	7.1	49	7.1	29	4.6	19.9
2	74	11.2	58	6.1	46	5.3	30	3.8	10.7
4	95	7.3	66	9.0	51	7.7	30	5.1	12.2
6	98	10.3	78	11.3	60	9.8	36	7.1	10.5
8	82	11.4	62	11.0	49	9.0	28	5.9	8.0
10	88	11.3	65	9.1	50	7.5	29	5.3	-5.1
12	85	9.3	70	9.0	58	8.8	35	5.7	-6.4
14									
16									
18	94	9.3	82	9.0	64	7.8	39	5.3	-9.1
20	110	6.7	90	8.8	66	7.3	38	4.9	-7.6
22	118	9.4	91	9.2	70	8.4	43	6.1	-5.5
MEAN	94	9.6	73	9.0	56	7.9	34	5.4	2.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	5.1985 THETA (DEG)
0	95	8.0	76	7.9	62	8.5	38	6.2	6.3
2	94	10.1	75	7.4	58	7.6	35	5.8	4.3
4	94	11.2	80	8.3	62	7.6	37	5.5	6.3
6	79	9.0	66	8.8	51	8.0	31	5.7	1.5
8	81	11.8	66	10.5	51	9.0	31	6.5	2.4
10	118	7.5	64	8.8	49	7.9	28	5.3	-0.8
12									
14	74	8.6	64	9.1	50	9.1	28	5.6	1.7
16	87	7.2	56	8.6	43	6.9	26	4.3	-13.8
18	82	7.5	56	7.6	43	5.3	26	3.1	-6.5
20	94	10.3	67	8.3	49	6.3	30	4.0	-0.8
22	101	10.5	69	8.3	51	6.6	30	4.0	-22.2
MEAN	91	9.2	67	8.5	52	7.5	31	5.1	-2.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	8.1985 THETA (DEG)
0	134	10.7	101	9.3	74	8.6	43	5.9	-3.5
2	158	10.2	100	9.1	74	8.3	44	5.5	3.8
4	149	9.8	118	8.3	84	8.6	49	6.0	2.8
6	114	10.0	105	10.3	83	8.8	52	6.5	2.7
8	117	8.6	94	8.3	72	7.3	43	4.7	-1.4
10	115	10.4	89	8.6	70	7.3	41	4.8	-5.8
12	148	9.4	115	9.3	81	7.3	45	4.5	-4.9
14	121	5.4	93	7.1	69	5.8	40	3.6	0.5
16	107	10.8	91	9.4	66	8.0	38	5.3	-2.3
18	124	10.5	103	10.0	80	9.6	43	6.3	4.5
20	141	9.5	120	9.8	77	9.2	42	5.9	4.6
22	157	9.4	124	9.9	101	9.9	56	7.3	6.8
MEAN	132	9.6	104	9.1	78	8.2	45	5.5	0.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	6.1985 THETA (DEG)
0	99	11.6	61	10.7	47	9.2	27	5.9	2.5
2	85	10.4	68	7.6	56	6.4	34	5.0	5.7
4	91	11.0	70	7.8	51	5.4	32	3.3	19.5
6	67	8.0	51	7.4	40	5.9	25	3.9	3.9
8	75	9.7	60	8.8	46	6.9	27	4.1	4.0
10	173	1.9	70	6.3	52	4.8	34	3.4	18.2
12	79	6.3	61	5.4	49	5.0	32	3.4	23.8
14	97	8.8	65	5.5	49	4.6	31	3.1	20.0
16	110	8.8	64	6.1	48	4.8	30	3.3	31.5
18	75	10.2	59	7.7	45	5.7	28	3.6	30.5
20	90	8.9	69	6.5	53	4.8	34	3.2	40.1
22	87	7.9	63	6.4	50	6.1	31	3.9	28.9
MEAN	94	8.6	63	7.2	49	5.8	30	3.8	19.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	9.1985 THETA (DEG)
0	137	10.1	117	9.9	95	9.0	57	7.1	5.5
2	147	8.9	127	10.4	100	9.8	58	7.1	7.9
4	165	9.4	144	8.7	108	8.0	63	6.0	7.4
6	150	7.5	131	9.4	104	9.4	63	7.1	11.1
8	145	9.4	126	9.6	102	9.1	60	6.9	6.1
10	128	8.6	116	9.2	92	9.3	58	7.3	9.6
12	107	9.6	98	9.6	78	9.3	45	6.6	5.5
14	117	9.5	101	10.2	81	9.5	47	6.2	8.6
16	114	11.0	95	10.0	74	9.5	40	6.0	7.2
18	125	8.8	103	9.8	88	10.0	52	7.8	8.7
20	98	11.4	89	10.0	74	9.8	47	7.8	6.3
22	113	7.0	95	9.5	74	9.6	44	6.8	7.1
MEAN	129	9.3	112	9.7	89	9.4	53	6.9	7.6

SEP.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	147	8.9	105	9.6	78	9.2	46	7.3	7.1
2									
4	102	9.5	85	9.3	69	8.4	41	5.8	7.9
6	113	9.9	90	8.7	71	8.9	43	6.8	7.2
8	105	10.1	89	10.0	64	8.9	36	6.3	5.6
10	137	9.3	89	7.4	66	6.7	39	3.8	8.1
12	107	11.4	78	9.8	56	8.8	31	5.3	6.5
14	102	7.1	69	7.1	53	6.0	32	4.0	5.5
16	89	10.3	72	9.8	55	9.0	31	6.1	2.3
18	96	10.3	76	10.1	59	9.6	35	6.9	3.5
20	115	9.9	85	6.8	65	5.5	41	3.6	38.8
22	137	7.8	94	6.6	74	4.6	50	2.9	44.6
MEAN	114	9.5	85	8.7	65	7.8	39	5.3	12.5

SEP.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	5.4	71	5.9	53	4.3	34	2.9	34.8
2	110	12.5	85	8.6	62	7.0	36	4.2	16.2
4	128	9.8	69	7.4	51	5.8	31	3.6	8.7
6	132	11.1	83	7.6	61	6.1	36	3.9	23.8
8	117	8.6	79	7.1	58	6.2	34	4.1	18.5
10	136	5.6	81	5.5	62	4.6	39	3.2	26.9
12	147	5.9	86	6.3	62	4.8	39	3.4	23.3
14	126	5.6	106	4.3	86	4.1	56	3.3	25.6
16	186	4.3	152	4.8	125	4.7	80	3.9	25.0
18	238	6.0	184	5.5	147	5.3	91	4.1	28.7
20	180	7.2	145	5.6	113	5.4	72	4.3	24.4
22	159	5.9	130	6.2	103	5.8	60	4.3	20.4
MEAN	146	7.3	106	6.2	82	5.3	51	3.8	23.0

SEP.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	147	6.6	113	5.8	88	5.8	54	4.4	25.7
2	128	8.0	98	6.4	76	6.5	45	4.6	18.4
4	131	6.6	92	6.3	71	5.1	44	3.6	10.2
6	169	7.4	111	6.8	81	6.7	49	5.3	6.7
8	129	8.0	102	7.3	82	6.6	49	4.8	2.1
10	112	6.9	99	8.1	81	7.8	50	5.6	1.9
12	109	7.8	103	8.2	84	7.9	53	6.1	-0.1
14	108	8.5	80	7.6	62	7.1	39	4.6	-2.6
16	134	5.9	91	10.0	75	9.3	45	6.7	-0.8
18	139	11.0	85	7.8	64	6.6	39	4.6	-3.1
20									
22	128	12.3	110	10.6	85	9.4	48	6.5	1.1
MEAN	130	8.1	99	7.7	77	7.2	47	5.2	5.4

SEP.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	167	13.0	114	10.3	84	10.1	48	7.4	5.5
2	140	11.8	103	9.5	76	8.6	45	5.6	24.0
4	145	10.1	108	5.8	89	4.8	58	3.6	46.2
6	165	7.5	105	7.0	74	5.6	44	3.7	32.8
8	168	8.3	110	6.1	77	6.3	44	4.1	24.9
10	134	4.7	102	7.8	76	6.7	44	4.5	23.5
12	112	5.0	95	6.1	71	6.6	42	4.2	21.6
14	122	5.8	86	7.1	65	5.9	39	3.9	21.6
16	110	8.2	87	5.9	66	5.4	41	3.7	20.3
18	129	8.6	95	7.9	73	6.3	45	4.3	23.0
20	130	10.8	87	7.8	65	6.7	40	4.5	22.9
22									
MEAN	138	8.5	99	7.4	74	6.6	45	4.5	24.2

SEP.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	11.0	95	8.8	75	7.8	45	5.3	16.6
2	107	8.9	92	8.5	74	8.0	46	5.4	16.0
4	142	10.4	103	7.1	76	6.2	47	4.4	19.0
6	129	6.7	101	9.1	79	8.2	47	5.6	16.0
8	149	9.0	110	7.7	81	7.1	47	4.4	19.2
10	148	8.5	121	6.9	95	6.8	57	4.9	20.5
12	192	8.1	117	7.6	85	6.6	49	4.3	21.6
14									
16									
18									
20									
22									
MEAN	141	8.9	106	8.0	81	7.2	48	4.9	18.4

SEP.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	133	8.5	98	7.5	73	6.5	46	4.4	10.7
20	138	11.1	113	9.1	90	8.1	50	5.6	9.8
22	236	12.5	141	8.6	94	6.9	51	4.1	9.7
MEAN	169	10.7	117	8.4	86	7.2	49	4.7	10.1

SEP.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	148	5.0	120	6.8	89	6.9	51	4.7	15.9
2	164	6.9	136	6.8	102	6.5	59	4.8	14.6
4	182	4.9	131	7.3	97	6.2	59	3.8	14.1
6	245	4.2	146	6.8	107	6.3	62	4.3	13.4
8	185	9.4	167	7.3	135	6.3	79	4.4	13.3
10	213	3.3	171	5.8	135	5.5	82	4.6	14.5
12	212	5.5	169	5.8	132	5.7	82	4.8	10.1
14	242	7.4	171	7.1	126	6.3	75	4.4	8.2
16	236	4.6	174	7.7	126	7.8	75	5.8	5.9
18	216	11.4	177	8.4	140	7.5	79	5.5	4.9
20	220	9.1	183	9.5	141	8.3	83	6.2	6.2
22	219	7.4	174	8.3	134	7.6	78	6.0	5.9
MEAN	207	6.6	160	7.3	122	6.7	72	4.9	10.6

SEP.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	198	8.8	160	6.7	114	6.4	65	4.4	9.7
2	213	10.1	160	8.6	118	8.3	65	5.6	8.3
4	244	8.2	179	7.9	128	7.7	75	5.8	11.4
6	230	9.8	171	9.4	128	8.9	76	6.2	15.6
8	218	11.8	161	7.8	123	8.0	76	5.8	17.9
10	250	6.0	188	7.2	142	6.6	81	4.6	15.0
12	203	13.2	177	7.5	142	7.1	81	5.4	14.4
14	263	14.9	188	8.9	150	8.6	88	6.1	15.6
16	281	4.6	223	8.8	169	8.5	99	6.5	12.1
18	274	10.6	199	10.0	153	9.4	90	6.9	13.6
20	252	12.6	211	10.8	169	10.0	100	7.3	12.9
22	250	7.9	193	9.1	149	7.9	80	5.4	15.8
MEAN	240	9.9	184	8.6	140	8.1	81	5.8	13.5

SEP.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	12.2	190	7.8	160	7.9	100	6.6	17.2
2	240	8.4	200	9.4	160	8.5	92	6.5	13.6
4	226	9.3	169	8.5	129	8.8	73	6.3	10.7
6	219	12.3	170	9.3	134	9.4	78	7.0	8.8
8	295	11.7	202	10.2	148	9.3	84	6.4	8.4
10	209	7.7	164	9.8	125	9.5	73	6.9	8.2
12									
14	236	10.3	162	7.8	115	6.3	66	3.9	17.0
16	340	5.3	188	7.9	135	6.1	79	4.4	26.8
18	243	9.6	179	7.2	133	6.1	77	4.3	23.2
20	207	8.5	161	6.9	126	6.3	75	4.2	22.8
22	182	7.6	144	6.9	117	7.8	73	5.5	16.4
MEAN	237	9.4	175	8.3	135	7.8	79	5.6	15.7

SEP.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	5.9	144	5.4	104	5.4	61	3.9	8.4
2	195	9.0	144	7.2	113	7.1	69	5.5	12.8
4	190	9.5	155	7.8	121	7.5	71	5.6	15.0
6	197	8.7	144	8.3	109	6.8	62	4.4	17.7
8	237	11.7	166	10.6	125	8.6	76	6.4	11.9
10	234	8.5	190	8.1	144	8.1	89	6.8	9.4
12	180	8.8	152	9.0	120	8.3	72	6.1	14.0
14	198	6.8	146	9.5	112	9.3	68	6.6	14.4
16									
18	146	9.5	117	7.4	92	5.7	57	3.6	26.2
20	287	6.1	152	6.1	116	8.0	67	5.6	18.1
22	257	10.3	187	7.8	125	6.9	67	4.6	12.3
MEAN	210	8.6	154	7.9	116	7.4	69	5.4	14.6

SEP.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	10.1	154	9.3	119	8.5	69	6.2	10.1
2									
4	176	6.7	126	8.5	90	8.0	51	5.3	6.7
6	162	10.4	142	8.1	118	7.9	74	6.9	7.6
8	180	10.4	141	8.8	103	7.6	58	4.8	7.5
10	217	7.1	173	8.9	130	7.4	76	4.8	10.6
12	276	12.8	215	8.4	158	8.1	89	6.6	13.0
14	282	6.1	191	5.9	137	6.2	78	4.8	18.4
16	257	3.8	216	6.7	164	5.9	98	4.8	21.1
18	297	9.0	231	7.1	189	6.8	119	5.6	25.4
20	270	14.4	240	8.1	200	7.0	122	5.9	19.5
22	311	6.5	219	9.2	177	7.7	106	5.8	21.5
MEAN	239	8.8	186	8.1	144	7.4	85	5.6	14.7

SEP.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	233	10.3	205	8.4	174	8.3	100	6.3	21.5
2	227	10.6	190	9.9	155	8.3	93	6.4	21.2
4	248	11.0	211	10.1	179	8.9	102	6.3	16.1
6	382	9.6	248	9.8	178	8.3	103	6.5	13.3
8	321	13.4	255	10.9	187	10.1	100	6.8	13.2
10	284	13.8	246	10.9	187	9.4	102	7.1	11.8
12	289	11.9	206	9.3	154	8.5	90	6.8	12.1
14									
16									
18									
20									
22									
MEAN	283	11.5	223	9.9	173	8.8	99	6.6	15.6

SEP.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	246	8.5	210	8.0	163	6.7	100	5.1	18.7
20	248	8.9	209	7.8	158	6.9	92	4.8	20.7
22									
MEAN	247	8.7	210	7.9	161	6.8	96	4.9	19.7

SEP.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	248	10.8	194	6.9	160	7.0	99	5.1	16.9
2	246	9.9	215	7.8	185	7.6	122	6.3	11.6
4	244	13.5	220	9.0	181	7.8	109	5.9	15.1
6	199	6.9	186	9.0	158	7.6	103	5.8	17.4
8	323	14.5	223	11.2	180	9.3	105	6.6	10.4
10	256	11.0	210	8.8	172	7.6	106	5.5	13.2
12	257	12.1	221	10.3	181	7.8	111	6.0	12.3
14	241	11.6	205	8.1	169	7.6	107	6.2	11.5
16	289	8.2	222	8.9	180	8.1	103	5.8	11.4
18	244	10.9	196	10.8	146	9.0	86	5.8	7.5
20	251	8.6	207	9.6	158	9.3	93	7.0	11.7
22	265	10.3	209	9.0	162	9.0	91	6.5	11.6
MEAN	255	10.7	209	9.1	169	8.1	103	6.0	12.5

SEP.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	11.1	178	10.3	140	9.0	84	6.9	5.0
2	231	8.0	200	9.3	142	7.9	76	5.3	1.4
4	258	9.8	213	7.5	184	7.4	107	6.1	8.7
6	297	11.1	197	9.6	162	8.0	99	5.5	3.2
8	200	8.3	173	8.0	144	6.6	89	5.1	2.9
10	235	8.8	192	9.0	160	7.8	107	6.1	2.0
12	236	10.1	205	7.3	174	7.3	115	5.6	6.0
14	251	9.2	206	8.1	166	7.1	108	5.3	5.0
16	289	11.3	231	8.4	188	7.1	116	5.4	-0.4
18	259	4.8	218	7.1	191	7.4	129	6.0	7.5
20	260	8.3	224	8.9	198	7.9	129	5.9	10.3
22	349	8.1	310	7.9	233	7.7	142	6.1	9.1
MEAN	256	9.1	212	8.4	174	7.6	108	5.8	5.1

SEP.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	257	6.8	221	8.1	195	8.3	127	6.3	7.3
2	273	9.6	223	11.0	186	9.3	124	6.8	17.7
4	222	10.0	190	7.5	159	6.4	95	4.4	18.2
6	217	13.2	190	13.4	153	10.3	98	7.1	17.0
8	215	13.2	172	8.9	140	8.1	90	6.3	22.7
10	217	12.8	185	9.3	156	8.3	104	6.2	19.9
12	242	7.0	214	8.4	188	8.8	120	6.6	18.7
14	238	8.6	214	8.3	178	7.6	110	5.6	20.3
16	263	7.6	218	8.7	181	7.9	108	5.5	14.2
18	236	9.8	205	8.3	177	7.8	114	6.3	22.7
20	241	10.1	198	8.7	174	8.2	112	6.3	21.4
22	244	10.1	215	9.4	178	8.6	114	6.6	17.8
MEAN	239	9.9	204	9.2	172	8.3	110	6.2	18.2

SEP.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	258	10.4	227	8.8	194	8.0	122	6.7	24.8
2	261	8.4	225	9.2	184	7.8	113	6.0	23.0
4	279	10.2	230	10.0	189	9.1	118	6.9	21.2
6	240	12.6	196	9.4	159	8.5	95	6.2	21.2
8	191	8.3	166	8.7	135	8.3	79	5.9	20.7
10	183	7.5	154	8.3	128	7.6	74	5.5	17.7
12	201	11.1	189	8.8	154	8.0	88	5.6	12.0
14	264	10.8	217	9.3	168	8.6	90	6.3	12.7
16	203	7.3	180	8.3	143	7.3	77	4.9	5.3
18	201	10.9	178	7.7	145	7.1	85	5.5	1.5
20	193	11.9	168	9.0	133	7.5	77	5.6	8.5
22	187	6.9	155	6.6	127	6.0	75	4.6	17.3
MEAN	222	9.7	190	8.7	155	7.8	91	5.8	15.5

SEP.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	214	10.6	175	8.3	132	6.9	77	5.1	15.5
4	174	8.9	159	6.6	134	6.3	86	5.0	16.0
6	176	9.3	138	6.5	117	5.8	73	4.6	23.8
8	144	5.6	131	7.9	111	6.5	73	4.9	26.3
10	152	7.9	123	6.4	104	5.8	69	4.4	25.7
12	174	5.9	140	7.2	115	5.9	75	4.6	19.9
14	203	5.1	156	5.5	120	5.1	72	3.8	18.5
16	208	6.6	147	5.4	113	5.7	65	4.0	16.5
18	197	2.2	133	5.8	101	5.3	61	4.1	14.6
20	149	5.9	119	4.8	96	4.8	59	3.8	16.9
22	178	7.8	130	6.2	102	5.3	61	4.3	15.3
MEAN	179	6.9	141	6.4	113	5.8	70	4.4	19.0

SEP.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	4.1	147	5.3	107	5.0	64	3.6	15.2
2	163	7.4	127	5.6	96	4.9	56	3.4	15.4
4	171	4.4	128	5.7	99	5.5	61	4.1	18.9
6	173	6.0	133	5.4	105	5.0	64	4.0	23.0
8	159	7.3	132	5.8	103	5.0	62	4.0	20.2
10									
12	156	7.3	126	5.9	104	5.6	66	4.3	22.7
14	160	7.3	127	5.6	98	5.3	60	4.0	21.8
16									
18	244	4.1	149	4.8	112	5.1	68	4.1	15.9
20	182	3.8	152	4.4	116	4.4	73	3.3	12.3
22	200	6.8	148	5.9	111	5.4	65	4.4	15.2
MEAN	180	5.8	137	5.4	105	5.1	64	3.9	18.1

OCT. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	11.6	181	8.4	147	7.4	89	5.9	7.4
2	280	6.7	213	8.5	164	8.3	99	6.3	5.2
4	251	4.2	213	6.9	180	7.0	113	6.0	5.3
6	249	8.8	216	7.9	182	6.9	108	5.8	4.9
8	240	9.7	201	6.9	168	7.4	102	6.0	5.9
10	184	11.8	169	9.3	140	7.8	86	5.9	1.8
12	259	6.1	187	8.2	156	7.4	95	5.8	5.6
14	233	4.1	196	7.7	161	6.8	97	5.9	10.1
16	285	11.1	223	8.1	178	7.3	105	5.9	11.5
18	222	7.8	198	7.8	165	6.4	99	5.8	8.1
20	230	5.8	190	7.1	154	6.8	91	5.6	12.3
22	203	7.1	162	7.4	127	6.8	75	5.1	22.2
MEAN	236	7.9	196	7.8	160	7.2	97	5.8	8.4

SEP.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	4.8	152	6.0	117	5.6	70	4.4	15.1
2	231	9.1	182	7.2	138	6.3	81	4.9	7.2
4	209	8.1	185	6.8	146	6.1	89	4.8	13.1
6	199	7.9	179	6.9	154	6.1	99	4.8	24.5
8	184	4.3	162	6.7	140	6.7	95	5.1	24.8
10	183	7.3	154	6.9	127	6.4	83	4.8	24.3
12	277	4.6	218	6.6	181	5.9	117	5.4	14.6
14	267	12.3	213	10.8	182	9.5	118	6.8	11.9
16	289	12.1	227	11.6	184	8.9	112	6.3	2.4
18	281	12.9	223	11.1	183	8.3	114	6.2	-0.9
20	202	10.3	169	9.7	141	8.0	80	5.0	0.4
22	274	12.1	192	12.3	156	10.4	96	6.7	2.7
MEAN	232	8.8	188	8.5	154	7.3	96	5.4	11.7

OCT. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	7.6	148	6.8	129	6.4	78	5.1	10.3
2	183	10.3	162	7.8	137	6.2	83	5.4	13.0
4	235	7.0	173	7.8	133	6.8	76	5.3	14.2
6	202	3.9	160	6.0	118	6.9	70	5.4	11.1
8	228	9.1	172	6.0	130	6.3	69	4.9	10.7
10	209	7.3	172	6.8	131	6.1	72	5.1	11.1
12	176	9.7	146	5.9	112	5.8	62	5.3	11.0
14	232	4.4	154	6.7	102	6.8	58	5.4	12.5
16	195	4.0	161	6.5	122	7.4	67	5.9	11.3
18	159	5.4	142	7.3	104	7.8	57	6.1	9.8
20	206	9.3	155	5.9	109	6.8	58	5.5	10.1
22	155	10.5	134	7.3	99	5.9	53	4.9	2.8
MEAN	196	7.4	157	6.7	119	6.6	67	5.4	10.7

SEP.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	13.4	172	10.3	144	9.2	88	6.5	2.1
2	240	12.8	199	12.3	167	10.1	109	7.3	7.1
4	300	12.2	232	10.8	186	8.4	118	6.4	3.3
6	254	5.3	220	10.9	191	9.3	120	6.9	4.0
8	226	13.6	190	13.3	156	9.5	98	7.1	0.5
10	251	4.3	192	7.6	152	7.1	92	5.8	1.2
12	207	8.1	169	8.8	140	7.4	83	5.6	3.1
14	234	10.1	186	6.9	144	6.1	79	4.3	-1.3
16									
18	254	9.3	225	9.1	191	8.5	119	6.5	6.6
20	230	6.7	173	7.7	135	5.9	80	5.3	4.7
22	169	11.8	145	7.1	117	5.8	72	5.3	8.2
MEAN	235	9.8	191	9.5	157	7.9	96	6.1	3.6

OCT. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	7.2	151	6.2	119	5.6	65	4.8	-1.2
2	156	8.1	125	5.3	96	5.6	53	4.9	7.6
4	118	4.1	97	7.5	74	7.8	42	5.8	6.8
6	138	10.7	106	8.5	81	8.4	49	6.5	6.3
8	190	3.9	126	7.6	92	7.7	50	6.0	7.2
10	183	10.4	133	6.9	97	6.3	53	5.8	6.2
12	155	7.8	114	5.4	78	6.4	43	5.4	6.4
14	158	6.9	106	7.8	75	7.5	38	4.9	4.5
16	126	9.0	95	7.6	68	7.4	41	5.3	3.8
18	221	6.4	101	7.2	66	6.0	36	3.6	3.8
20	126	9.3	100	7.5	73	8.1	40	5.4	4.7
22	134	6.4	102	5.9	72	6.6	40	5.3	5.0
MEAN	157	7.5	113	6.9	83	6.9	46	5.3	5.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	4.1985 THETA (DEG)
0	144	3.1	114	4.5	82	5.2	45	4.2	0.7
2	144	3.9	79	5.8	58	7.1	34	5.8	4.8
4	84	8.5	67	7.6	55	7.5	33	5.8	3.3
6	93	7.4	60	9.5	46	8.4	25	5.5	3.3
8	82	10.1	68	9.2	53	8.7	31	6.1	4.0
10	137	7.8	86	8.2	60	8.4	33	6.3	4.2
12	99	10.5	78	8.2	60	8.6	34	5.6	5.9
14	89	11.3	70	8.1	52	8.0	33	6.1	0.9
16	107	4.3	70	7.9	54	7.9	32	5.8	0.6
18	72	8.3	58	8.8	48	8.5	31	6.8	-1.1
20	105	9.2	70	7.1	52	7.9	33	6.3	3.9
22	71	6.3	56	7.9	45	8.4	25	5.8	3.5
MEAN	102	7.6	73	7.7	55	7.9	32	5.8	2.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	7.1985 THETA (DEG)
0	210	9.9	169	8.0	137	7.4	90	5.6	-3.4
2	180	8.6	145	7.3	120	6.6	72	4.6	0.3
4	205	9.7	167	8.1	140	8.0	86	6.0	0.0
6	212	7.0	179	9.3	149	8.0	91	5.9	-0.3
8	223	9.8	193	8.5	163	8.3	106	6.3	-4.9
10	224	6.0	192	8.3	162	8.0	100	6.3	-2.5
12	337	5.6	213	8.3	169	7.9	99	5.8	-6.7
14	227	8.3	193	8.1	152	6.3	86	4.6	-0.2
16	271	8.0	213	8.3	175	8.1	105	5.9	6.1
18	259	7.9	217	9.0	184	7.8	105	5.8	5.9
20	310	6.4	219	6.3	168	6.8	94	5.7	4.6
22	263	12.3	208	9.3	163	8.3	90	5.8	10.5
MEAN	243	8.3	192	8.2	157	7.6	94	5.7	0.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	5.1985 THETA (DEG)
0	107	3.9	70	6.9	52	7.3	28	5.0	4.5
2	109	6.8	79	6.1	55	6.6	31	5.3	5.3
4	81	9.5	65	7.5	49	6.9	27	4.8	5.9
6	82	7.7	56	7.1	42	5.8	26	3.7	8.4
8	105	9.4	61	7.9	47	7.6	28	5.2	11.0
10	79	11.9	63	8.7	49	8.7	29	6.0	10.5
12	64	13.1	49	9.4	37	7.8	20	4.8	5.2
14									
16									
18	228	5.0	67	7.8	46	8.3	26	5.6	10.6
20	71	8.0	54	6.5	40	5.2	24	3.0	15.2
22	165	5.0	124	4.3	101	4.4	67	3.8	25.5
MEAN	109	8.0	69	7.2	52	6.9	31	4.7	10.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	8.1985 THETA (DEG)
0	206	7.8	184	8.9	154	7.9	88	6.1	7.9
2	234	12.8	179	9.6	144	7.8	80	6.1	4.9
4	193	9.6	152	9.1	116	7.2	65	5.6	19.7
6	267	5.8	174	10.6	128	8.1	74	6.5	6.7
8	268	5.8	174	7.6	125	7.3	69	5.8	5.9
10	233	10.0	181	8.8	129	8.4	72	6.9	11.8
12	198	2.8	175	8.5	139	8.8	79	7.0	9.6
14	216	10.3	182	10.0	137	9.1	74	6.8	5.5
16	220	9.0	178	10.1	125	9.5	69	7.0	9.6
18	200	10.8	167	8.5	119	8.7	62	6.4	19.8
20	172	11.8	134	8.4	88	8.3	46	5.3	12.1
22	202	11.1	120	9.8	84	9.2	47	6.6	13.8
MEAN	217	9.0	167	9.2	124	8.4	69	6.3	10.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	6.1985 THETA (DEG)
0	181	5.1	141	4.8	115	4.7	75	3.9	34.3
2	164	4.7	136	5.6	117	5.8	76	4.5	26.9
4	171	4.5	144	6.5	123	5.8	78	4.8	22.0
6	179	5.8	151	5.4	122	5.1	77	4.3	19.9
8	215	5.9	171	5.3	141	5.3	89	4.4	6.5
10	258	9.6	185	6.8	153	6.7	100	4.9	9.7
12	234	11.4	205	9.1	169	7.6	105	5.4	10.0
14	207	9.6	180	7.4	157	6.6	103	5.4	9.5
16	232	8.6	203	8.9	170	7.3	106	5.4	11.2
18	244	8.5	195	7.8	160	6.4	104	5.2	4.7
20	228	6.8	191	7.8	164	7.1	106	5.5	4.5
22	230	6.4	182	7.0	148	5.7	90	3.9	-9.3
MEAN	212	7.2	174	6.9	145	6.2	92	4.8	12.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	9.1985 THETA (DEG)
0	191	12.3	124	7.4	85	6.3	50	4.4	11.2
2	179	8.7	139	8.3	104	8.5	57	6.8	10.6
4	177	8.0	110	6.4	73	6.1	40	4.6	9.2
6	148	10.4	101	9.5	68	8.8	37	6.4	12.2
8	173	11.8	139	7.1	95	8.9	47	6.1	18.1
10	171	9.4	119	5.1	87	5.3	53	4.1	27.4
12	214	10.9	163	9.3	123	7.3	73	5.0	24.9
14	240	4.4	173	8.3	134	7.3	76	4.8	25.3
16									
18	213	11.3	166	7.9	126	7.2	71	4.9	21.1
20	220	10.0	163	6.6	113	6.0	64	3.9	20.6
22	226	10.0	162	8.0	119	7.5	67	5.6	19.3
MEAN	196	9.7	142	7.6	102	7.2	58	5.1	18.2

OCT.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	196	10.1	163	8.5	115	8.1	67	5.9	20.4
2	191	10.9	152	10.0	114	8.6	66	6.4	20.9
4	215	9.5	175	9.8	134	7.9	78	6.1	22.6
6	184	6.3	135	6.4	105	5.5	62	3.9	18.8
8	180	9.8	162	9.6	133	8.3	82	6.2	23.6
10	198	11.3	159	8.0	119	6.6	70	4.8	26.0
12	236	9.3	196	9.3	149	8.4	86	6.6	18.6
14	215	10.0	158	9.2	121	8.3	69	5.8	17.6
16	199	9.4	154	8.8	111	8.6	63	6.1	11.3
18	250	10.8	177	8.3	125	8.1	67	5.8	17.0
20	203	10.3	163	9.5	123	7.4	68	5.6	12.4
22	217	9.6	136	7.4	92	5.8	53	3.9	11.0
MEAN	207	9.8	161	8.7	120	7.6	69	5.6	18.3

OCT.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	230	8.3	191	9.0	137	7.8	79	5.5	8.9
2	235	12.2	168	7.5	127	7.1	74	5.1	7.8
4	279	5.8	153	7.3	113	6.3	66	4.5	5.4
6	190	6.1	148	7.3	115	6.3	66	4.8	9.1
8	186	9.9	141	7.6	106	6.3	60	4.6	9.2
10	180	8.8	144	7.1	109	6.3	63	4.3	9.4
12	202	8.9	136	8.3	97	8.0	59	5.8	6.6
14	196	5.4	150	7.4	109	7.3	64	5.4	6.4
16	177	5.7	152	6.3	117	6.8	68	4.8	10.3
18	194	10.9	144	8.5	105	7.3	63	5.1	6.6
20	181	9.3	144	7.6	111	7.3	64	5.6	5.4
22	201	7.6	155	7.9	108	7.2	62	5.3	5.9
MEAN	204	8.2	152	7.6	113	7.0	66	5.1	7.6

OCT.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	6.3	126	6.8	93	7.1	56	5.3	6.3
2	174	9.3	118	7.1	90	7.6	53	5.5	7.6
4	141	7.6	117	8.0	90	7.6	56	6.3	8.5
6	168	4.9	121	8.3	91	8.2	53	6.1	4.8
8	165	12.5	119	8.3	92	7.1	55	5.5	2.7
10	142	11.9	114	7.5	83	7.5	48	5.5	8.5
12	109	8.7	88	7.6	67	7.3	42	5.1	5.9
14	117	6.4	94	8.2	72	7.5	42	5.6	5.0
16	167	7.0	127	8.1	89	7.6	52	6.1	4.3
18	142	5.9	109	7.1	81	6.3	48	4.6	0.7
20	184	3.8	110	6.6	79	6.8	48	5.4	-4.2
22	192	8.4	120	7.6	89	7.5	51	5.6	2.6
MEAN	157	7.7	114	7.6	85	7.3	50	5.5	4.4

OCT.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	8.8	87	8.4	65	7.9	40	6.0	-3.6
2									
4	108	8.6	90	8.0	73	8.0	46	6.1	-1.8
6	97	5.4	80	6.3	64	5.8	38	3.9	-3.8
8	153	9.3	105	7.5	75	6.8	43	5.3	-5.8
10	151	9.5	99	7.3	76	7.4	43	5.3	-7.1
12	108	7.9	84	7.1	65	6.3	38	4.3	-9.3
14	115	7.7	80	7.1	64	6.8	37	4.4	-11.1
16	100	8.4	77	6.9	57	5.6	33	3.3	-17.6
18	121	7.8	94	7.5	73	7.6	44	5.6	-9.7
20	114	4.4	90	7.1	68	7.3	39	5.4	-2.9
22	213	5.4	120	7.4	77	7.0	42	4.9	-1.4
MEAN	127	7.6	91	7.3	69	7.0	40	5.0	-6.7

OCT.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	8.3	87	7.1	66	5.8	38	4.1	-2.8
2	161	8.5	121	5.6	99	4.9	65	3.9	24.2
4	206	5.1	167	4.5	130	4.2	81	3.2	28.3
6	189	4.6	163	4.9	134	4.7	80	3.4	27.0
8	176	7.6	156	6.2	127	5.6	85	4.7	21.1
10	167	6.3	139	5.8	118	5.4	77	4.3	18.2
12	182	5.2	157	5.1	131	5.2	84	4.3	24.1
14	203	4.4	138	5.7	110	5.4	69	4.1	26.0
16	245	8.9	137	6.9	103	6.2	63	4.6	21.0
18	180	6.3	137	6.4	103	6.3	60	4.7	19.7
20	156	8.0	120	6.3	94	5.9	56	4.3	13.3
22	149	7.0	119	6.4	92	5.3	59	4.3	19.3
MEAN	178	6.7	137	5.9	109	5.4	68	4.2	19.9

OCT.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	5.9	135	6.1	101	5.8	62	4.6	20.0
2	125	6.8	107	6.3	86	6.0	56	5.1	20.2
4	159	8.3	123	7.9	90	6.9	55	4.9	21.2
6	193	4.8	131	6.9	98	6.3	60	4.4	20.8
8	160	1.8	122	5.6	98	5.3	63	4.1	26.6
10	171	9.1	130	5.3	98	4.9	59	3.8	22.8
12	155	5.4	127	6.0	98	5.5	58	3.9	26.3
14									
16	146	5.3	114	6.3	87	5.0	52	3.3	24.7
18	204	9.5	140	6.4	107	5.8	64	4.3	18.8
20	177	6.6	130	6.8	92	6.1	54	4.1	13.9
22	140	7.1	113	5.7	86	5.6	53	4.2	9.6
MEAN	168	6.4	125	6.3	95	5.7	58	4.2	20.4

OCT.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	155	10.8	118	7.2	89	6.5	52	4.6	9.8
2	131	6.7	88	7.1	63	6.0	39	4.0	14.1
4	137	8.3	105	7.5	81	6.4	45	4.4	7.1
6	121	8.0	85	8.0	68	7.3	41	4.7	6.2
8									
10	184	9.6	122	7.1	91	7.6	53	5.7	2.8
12	171	5.8	126	6.0	89	5.5	53	3.6	-1.6
14	180	9.0	125	7.5	98	7.0	58	4.7	6.8
16	149	5.4	129	7.1	104	7.6	62	5.8	2.3
18	207	7.8	136	8.4	97	7.4	54	4.9	-1.8
20	207	6.8	155	7.9	107	6.5	58	4.4	-0.4
22	162	9.2	135	7.6	108	7.3	64	5.9	-1.4
MEAN	164	7.9	120	7.4	90	6.8	53	4.8	4.0

OCT.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	161	8.6	127	5.6	97	5.8	57	4.3	0.2
2	198	9.1	159	6.8	118	7.1	63	5.6	-0.7
4	203	10.5	152	8.8	113	8.0	65	6.2	0.0
6	205	6.1	149	8.6	110	8.1	63	6.7	-3.0
8	165	9.3	119	8.1	91	7.9	53	5.9	-5.0
10	296	5.1	153	7.6	108	6.6	63	4.6	-0.2
12	204	6.2	141	6.1	104	5.6	63	4.1	18.5
14	239	6.9	168	6.2	123	6.0	76	4.8	14.9
16	142	4.3	121	5.8	97	5.7	60	4.0	22.8
18	212	4.7	170	6.5	130	6.5	82	4.6	19.3
20	199	5.9	158	4.6	122	5.1	73	3.6	20.3
22	174	7.0	145	6.1	118	5.3	73	3.8	22.8
MEAN	200	7.0	147	6.7	111	6.5	66	4.8	9.2

OCT.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	154	7.9	136	7.9	116	6.9	77	5.1	22.4
2	241	6.8	159	7.6	124	5.9	77	4.6	22.2
4	216	9.2	166	7.1	133	5.8	80	4.5	21.8
6	220	3.9	171	6.1	139	5.6	88	4.2	25.3
8	212	5.6	171	6.1	134	5.5	85	4.3	25.4
10	243	8.1	194	7.2	159	6.7	101	4.9	21.1
12	241	8.5	211	8.5	182	7.9	113	5.5	19.0
14	219	8.5	191	7.6	152	6.7	89	4.9	14.9
16	302	5.1	207	7.5	149	7.1	84	4.9	13.0
18	229	8.9	183	7.6	133	6.6	70	4.3	17.9
20	251	10.0	168	7.1	131	6.8	71	4.6	16.6
22	211	10.1	171	7.3	136	6.8	75	4.9	7.9
MEAN	228	7.7	177	7.3	141	6.5	84	4.7	19.0

OCT.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	208	8.1	169	8.6	137	7.4	78	5.3	4.3
2	207	10.0	164	8.4	128	6.3	77	4.9	8.4
4	196	8.9	165	9.0	131	7.0	76	4.9	10.5
6	254	10.2	203	8.8	157	7.6	92	5.6	8.1
8	256	10.9	203	8.4	149	8.1	86	5.7	10.3
10	205	8.8	168	8.3	126	6.9	72	4.8	8.2
12	360	5.3	189	8.3	136	7.3	80	5.4	7.4
14									
16									
18	214	10.2	163	8.8	123	8.4	66	5.9	6.5
20	144	9.5	128	8.0	106	7.7	67	6.1	1.7
22	199	7.3	160	8.7	120	8.3	71	6.6	6.5
MEAN	224	8.9	171	8.5	131	7.5	77	5.5	7.2

OCT.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	268	10.4	149	8.4	112	8.6	63	6.6	3.1
6									
8	183	7.8	142	5.0	118	5.4	74	4.3	21.1
10	211	7.8	173	6.4	139	6.1	85	4.3	19.2
12	220	8.4	176	6.6	146	6.1	88	4.8	19.9
14	210	6.3	169	6.0	135	5.7	83	4.6	22.1
16	211	7.0	165	6.9	131	6.3	87	4.8	21.2
18	187	9.7	142	6.6	110	5.5	68	4.1	20.3
20	184	8.8	152	6.6	118	6.3	73	4.8	15.7
22	199	9.0	146	7.3	109	6.4	69	4.8	15.9
MEAN	208	8.4	157	6.6	124	6.3	77	4.8	17.6

OCT.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	166	4.1	127	5.5	98	5.1	60	3.9	14.0
2	178	9.4	145	6.8	112	5.6	67	4.4	16.5
4	182	7.4	137	5.4	104	4.6	65	3.3	22.7
6	231	7.4	170	7.4	131	6.3	74	4.9	9.4
8	182	9.5	131	7.4	104	7.1	63	5.3	9.6
10	140	6.0	114	6.8	96	7.0	60	4.8	8.4
12	151	10.3	114	7.1	85	6.8	50	4.8	10.2
14	167	11.5	111	7.3	82	6.6	48	4.6	6.5
16									
18									
20									
22									
MEAN	175	8.2	131	6.7	102	6.1	61	4.5	12.2

OCT.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8	143	9.3	121	9.1	92	8.3	55	6.3	0.8
10	232	10.5	169	9.9	124	9.5	74	7.3	1.7
12	195	10.5	135	8.8	101	8.8	59	6.2	2.2
14	151	8.4	129	8.8	101	8.8	62	7.0	3.9
16	179	7.4	131	8.9	103	8.6	62	6.6	0.9
18	168	8.4	133	8.8	107	8.7	61	6.4	0.1
20	133	8.8	107	8.7	91	8.6	56	6.5	-0.8
22	204	10.1	127	8.4	93	7.4	52	5.1	2.7
MEAN	176	9.2	132	8.9	102	8.6	60	6.4	1.4

OCT.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	148	9.1	137	9.4	105	9.4	63	7.1	2.7
2	150	10.1	124	9.5	94	8.5	54	5.9	2.2
4	198	9.9	145	8.8	107	8.8	61	6.4	5.5
6	193	8.3	127	8.8	89	8.1	45	5.0	1.5
8	252	9.4	144	9.3	100	8.5	57	6.5	1.0
10	156	9.6	125	9.8	95	9.3	52	6.4	3.1
12	153	10.7	124	9.5	92	8.9	51	6.4	1.6
14	111	9.8	95	9.3	74	8.8	42	5.8	-0.9
16	151	10.4	125	9.8	98	9.2	57	6.6	3.7
18	127	10.1	102	9.6	76	8.2	43	5.4	0.6
20	148	7.3	102	6.3	77	4.8	50	3.1	-4.6
22	170	9.9	121	8.6	80	7.7	46	5.0	0.5
MEAN	163	9.5	123	9.1	91	8.3	52	5.8	1.4

OCT.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	10.9	130	9.4	90	7.6	51	4.9	10.8
2	186	5.9	130	8.0	88	6.8	50	4.4	17.6
4	240	9.5	170	8.3	116	7.3	61	4.8	3.3
6	255	12.3	175	8.4	126	7.4	67	5.3	3.1
8	208	11.5	173	10.0	125	8.7	68	6.0	6.9
10	255	12.0	148	8.5	101	7.5	55	5.1	4.7
12	195	12.4	162	11.3	121	9.7	67	6.5	1.7
14	160	11.5	133	10.3	95	9.1	54	6.1	1.8
16	218	12.0	138	10.3	101	8.6	54	5.8	3.4
18	259	9.8	179	9.6	123	7.9	70	5.4	11.1
20	198	6.4	148	10.4	109	7.9	62	5.6	11.7
22	223	7.7	135	6.3	97	6.1	56	4.3	13.0
MEAN	215	10.2	152	9.2	108	7.9	60	5.3	7.4

OCT.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	222	10.8	150	9.7	106	8.2	62	5.8	16.5
2	132	10.5	112	7.8	89	7.0	56	4.9	23.6
4	159	6.6	120	7.6	88	7.6	53	5.3	17.7
6	167	5.4	138	6.3	105	6.3	65	4.9	19.3
8	243	6.3	169	6.7	116	6.6	68	5.0	19.8
10	189	4.6	127	6.8	96	6.1	56	4.4	22.2
12	171	12.2	132	8.9	98	6.9	57	4.8	21.8
14	202	7.7	133	6.9	96	7.1	56	4.9	25.0
16	204	2.8	141	5.6	99	6.1	60	4.6	25.2
18	160	11.9	124	8.3	96	7.1	57	4.9	24.9
20	186	5.8	128	5.8	92	5.2	53	3.7	19.9
22	191	5.5	153	5.8	121	5.9	76	4.8	25.8
MEAN	186	7.5	136	7.2	100	6.7	60	4.8	21.8

OCT.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	11.4	152	8.4	115	7.8	72	5.7	24.0
2	213	8.0	151	7.5	117	7.1	73	5.8	25.8
4	169	9.4	127	7.4	94	6.9	55	4.8	20.7
6	189	3.7	129	5.7	89	5.4	51	3.6	15.6
8	206	8.5	148	6.4	106	6.1	65	4.6	18.3
10	184	8.3	136	6.5	101	6.8	61	4.8	18.2
12	191	5.4	123	8.8	95	7.4	55	4.8	18.9
14									
16									
18	151	9.5	98	8.5	76	8.1	44	5.5	11.2
20									
22									
MEAN	190	8.0	133	7.4	99	6.9	60	4.9	19.1

OCT.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	138	9.7	115	8.8	89	7.8	52	5.9	7.8
2	139	6.9	91	7.2	64	5.6	35	2.8	9.1
4	157	11.7	111	8.6	75	6.3	40	3.4	9.6
6	158	10.3	119	9.1	89	8.3	48	6.0	11.8
8	226	10.8	134	9.6	88	8.7	49	6.3	12.3
10	140	10.8	112	9.8	83	8.9	47	6.6	11.2
12	93	8.6	78	10.3	60	9.4	35	6.4	9.0
14	126	9.8	97	9.9	73	9.3	41	5.8	8.3
16	111	9.6	93	9.9	69	8.8	36	5.7	10.2
18	138	2.8	88	6.4	67	5.8	41	4.1	24.4
20	141	6.8	105	5.7	82	4.6	51	3.4	24.6
22	145	8.1	100	5.6	74	4.9	46	3.6	30.5
MEAN	143	8.8	104	8.4	76	7.4	43	5.0	14.1

OCT.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	174	5.6	139	5.1	112	5.0	70	4.0	28.5
2	195	9.2	143	5.9	111	5.6	69	4.0	31.7
4	184	8.0	138	5.1	107	4.9	66	3.8	29.5
6	142	7.1	116	5.8	95	5.7	62	4.5	24.2
8									
10	117	9.7	94	7.1	76	6.3	46	4.8	18.1
12									
14	114	7.4	96	7.8	78	7.1	45	4.6	14.6
16	117	9.0	92	8.3	69	7.4	39	4.5	10.1
18	111	9.2	91	8.4	73	8.2	45	5.4	7.7
20	109	8.6	94	8.1	74	7.7	42	5.3	7.5
22	127	9.3	95	8.8	75	7.5	43	5.6	8.8
MEAN	139	8.3	110	7.0	87	6.5	53	4.6	18.1

OCT.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	9.0	84	8.3	66	8.3	41	6.0	10.9
2	134	10.3	84	6.0	63	4.5	39	2.3	8.4
4	95	8.9	77	8.8	60	9.1	34	6.0	5.5
6	111	9.9	83	9.3	60	9.0	34	6.1	5.5
8	96	9.8	86	9.3	68	8.1	40	6.1	5.3
10	91	8.8	76	7.8	63	8.2	38	5.9	5.3
12	105	9.8	83	8.1	65	8.3	39	6.1	1.8
14	138	7.4	78	7.2	55	6.2	35	4.3	-1.5
16									
18	81	8.5	73	8.3	59	8.5	37	6.5	0.4
20	109	8.3	80	8.0	60	8.0	35	5.7	2.2
22	150	9.3	95	8.4	69	7.9	40	5.9	5.3
MEAN	110	9.1	82	8.1	63	7.8	37	5.5	4.5

OCT.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	5.1	95	6.1	71	7.6	40	5.9	6.7
2	93	9.8	77	9.1	60	8.2	37	6.3	1.9
4	109	9.3	90	9.3	70	8.8	41	6.5	0.5
6	91	5.3	68	7.0	53	5.9	34	4.5	-1.8
8	133	9.3	100	8.2	71	8.2	42	5.9	-0.2
10	110	8.8	88	7.3	73	7.3	44	5.8	-0.6
12	207	8.3	123	8.0	92	7.9	59	6.3	-0.5
14	163	8.1	124	7.8	101	7.9	62	6.4	-3.4
16	173	7.2	144	7.4	109	7.8	69	6.6	-4.8
18	226	8.2	167	8.4	136	8.0	87	6.9	-2.5
20	253	4.5	207	8.1	172	8.3	103	6.4	-5.3
22	210	9.8	183	8.9	143	6.8	84	4.9	2.5
MEAN	158	7.8	122	8.0	96	7.7	59	6.0	-0.6

OCT.31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	5.9	170	7.9	141	6.9	88	5.1	6.8
2	207	6.4	180	7.3	152	6.6	100	5.1	12.2
4	247	8.0	216	6.8	176	6.0	104	4.7	10.2
6	242	5.4	207	6.8	173	6.3	110	5.1	16.5
8	225	8.1	166	5.8	128	5.6	77	3.9	17.2
10									
12	215	7.6	180	6.3	147	5.7	89	4.6	17.7
14	278	9.1	202	7.1	151	6.2	91	4.8	16.7
16									
18	243	9.4	207	5.6	164	6.3	98	4.6	13.6
20	219	6.5	183	7.5	154	6.8	96	5.1	5.7
22									
MEAN	233	7.4	190	6.8	154	6.3	95	4.8	13.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 1.1985 TMEAM (SEC)	THETA (DEG)
0	188	8.0	160	7.6	129	6.6	72	4.5	6.9
2	240	8.6	180	8.3	140	7.3	81	5.6	5.2
4	226	6.1	166	7.9	126	7.4	75	5.3	4.7
6	217	8.6	143	8.5	107	7.6	64	4.9	9.7
8	210	9.3	162	8.4	126	8.2	75	5.7	6.1
10	246	9.8	209	7.6	172	7.6	102	5.9	4.5
12	294	9.8	206	8.8	157	8.3	92	6.1	2.6
14	261	10.1	210	8.8	155	8.3	89	6.1	0.7
16	291	10.2	196	8.8	150	8.5	90	6.6	0.5
18	296	9.0	218	9.0	159	8.2	90	6.0	5.6
20	267	9.5	205	8.4	146	7.3	83	5.2	6.9
22	223	11.0	196	8.7	156	8.1	91	6.2	6.5
MEAN	247	9.2	188	8.4	144	7.8	84	5.7	5.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 4.1985 TMEAM (SEC)	THETA (DEG)
0	235	13.4	193	8.8	152	8.9	84	7.5	17.3
2	218	12.5	189	11.0	148	9.4	81	7.5	14.3
4	252	12.9	194	11.0	138	10.6	82	8.3	15.7
6	344	12.7	236	12.2	176	11.3	100	8.3	14.4
8	182	5.2	167	10.3	137	10.0	79	7.4	10.2
10									
12									
14	293	11.8	208	11.0	154	10.8	85	8.1	13.7
16	218	11.1	168	10.9	123	9.6	70	6.8	5.9
18	252	10.1	190	10.8	143	9.9	84	7.7	12.5
20	235	11.6	199	9.9	137	10.1	77	8.0	10.3
22	265	11.3	181	10.5	128	10.0	68	7.4	10.8
MEAN	249	11.3	193	10.6	144	10.1	81	7.7	12.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 2.1985 TMEAM (SEC)	THETA (DEG)
0	220	10.5	190	8.8	154	8.3	88	6.1	7.6
2	257	12.8	197	8.1	155	8.4	92	6.2	4.9
4	246	10.1	185	9.0	134	8.6	79	6.8	6.3
6	361	15.3	209	11.6	144	9.5	82	7.3	8.7
8	186	12.3	147	9.1	117	8.1	69	6.1	11.9
10	310	9.3	239	8.8	151	8.3	82	6.1	16.3
12	227	11.8	200	10.7	149	9.4	88	6.2	21.9
14	300	4.7	236	10.9	177	8.4	98	6.4	19.2
16	238	4.2	211	7.8	170	7.0	102	6.1	24.3
18									
20									
22									
MEAN	261	10.1	202	9.4	150	8.4	87	6.4	13.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 5.1985 TMEAM (SEC)	THETA (DEG)
0	225	12.4	184	10.9	132	9.5	72	7.6	16.0
2	131	13.1	118	11.9	96	9.9	59	7.3	10.8
4	156	11.6	141	9.3	109	9.1	62	7.3	11.4
6	100	9.5	91	10.3	76	10.3	44	7.2	9.0
8	145	12.9	118	10.8	84	9.3	45	6.4	3.6
10	153	10.5	106	11.2	83	10.5	47	6.9	6.1
12	132	10.8	106	9.1	80	9.1	47	7.0	2.8
14	97	10.3	81	11.1	60	9.1	35	5.8	1.7
16	147	5.6	95	9.7	71	9.3	41	6.1	4.8
18	115	10.1	91	10.0	72	10.0	45	7.9	5.1
20	119	11.9	90	10.2	70	10.3	44	7.4	5.4
22	173	11.4	115	9.9	77	7.3	44	4.6	13.2
MEAN	141	10.8	111	10.4	84	9.5	49	6.8	7.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 3.1985 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	192	11.1	143	11.3	110	9.9	63	7.0	15.1
20	191	11.9	160	11.4	115	10.6	66	7.8	13.7
22	245	11.0	185	11.4	124	9.9	66	7.1	18.2
MEAN	209	11.3	163	11.4	116	10.1	65	7.3	15.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 6.1985 TMEAM (SEC)	THETA (DEG)
0	158	12.3	89	8.1	69	8.0	40	4.9	10.9
2	125	9.9	87	7.4	65	6.0	42	3.8	13.4
4	123	7.9	98	9.6	74	9.0	43	5.9	8.0
6	105	5.9	93	6.7	69	5.3	41	3.5	18.8
8	158	3.1	103	5.6	79	4.8	49	3.5	22.1
10	125	7.5	100	5.5	78	5.1	50	3.8	21.9
12	149	4.0	117	5.0	90	4.8	55	3.6	23.7
14	165	6.1	126	5.6	99	5.2	61	3.8	11.5
16	161	5.6	125	5.5	103	5.1	67	4.1	20.9
18	217	6.1	147	5.3	115	4.9	69	3.6	19.6
20	244	5.1	159	5.7	120	5.3	74	4.0	21.7
22									
MEAN	157	6.7	113	6.4	87	5.8	54	4.0	17.5

NOV. 7.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	5.4	122	5.0	91	4.4	56	3.1	17.9
2	187	5.3	132	5.5	102	5.6	63	4.1	14.3
4	229	9.1	176	6.6	132	6.1	78	4.8	11.3
6	201	5.3	155	6.1	121	5.6	72	4.1	7.1
8	216	9.1	180	7.4	137	6.9	80	4.8	4.2
10									
12									
14									
16	389	9.6	256	9.0	190	8.2	115	6.3	0.3
18	285	11.9	247	9.3	211	8.8	127	6.6	-0.1
20	260	8.8	222	8.7	183	8.1	118	6.4	1.5
22	308	10.3	257	9.8	208	8.3	121	6.3	-1.5
MEAN	250	8.3	194	7.5	153	6.9	92	5.2	6.1

NOV.10.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	11.4	231	10.1	190	8.1	116	5.8	14.0
2	314	10.5	275	10.8	236	9.3	144	6.6	15.8
4	430	11.8	300	8.8	226	9.1	129	6.6	13.0
6	331	9.1	253	9.8	196	9.2	124	6.5	15.8
8	237	11.3	218	9.9	186	9.2	116	6.6	8.8
10									
12									
14									
16									
18	358	11.0	267	10.0	199	8.8	111	6.3	20.0
20	269	8.5	207	10.9	172	10.2	107	7.3	21.8
22	278	11.0	220	11.2	186	10.1	112	7.0	17.4
MEAN	310	10.6	246	10.2	199	9.2	120	6.6	15.8

NOV. 8.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	327	11.4	263	9.3	219	8.6	130	6.3	-0.9
2	276	12.1	231	10.6	188	9.0	110	6.2	-0.8
4	285	10.0	251	10.0	212	9.3	124	6.6	-2.5
6	278	10.5	234	10.3	193	9.0	125	7.1	-1.6
8	268	9.8	231	9.8	189	9.3	118	6.9	-6.4
10	346	11.1	302	10.8	227	9.6	140	8.3	-5.6
12	328	12.2	252	8.5	200	8.0	116	5.8	-0.9
14	300	7.0	267	10.0	223	9.6	130	7.3	-1.3
16	303	11.8	273	9.1	230	9.5	134	7.4	-2.6
18	352	11.6	254	10.6	208	10.0	128	7.3	5.3
20	270	9.8	220	10.1	186	9.4	109	6.3	1.9
22	376	10.7	270	10.3	227	9.8	135	7.6	2.5
MEAN	309	10.7	254	9.9	209	9.3	125	6.9	-1.1

NOV.11.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	280	11.4	242	9.8	205	9.9	126	7.1	12.2
2	345	11.9	274	10.7	218	9.6	129	7.5	14.4
4	213	11.9	180	8.2	138	6.8	75	4.6	12.1
6	214	10.6	195	10.8	163	9.5	98	6.4	13.9
8	213	7.9	158	6.8	121	5.6	72	3.7	16.9
10	275	9.8	198	11.2	158	8.9	92	6.4	23.2
12	322	6.3	230	9.7	171	8.7	89	6.0	16.3
14	188	10.0	154	8.9	115	8.0	64	5.4	11.0
16	263	6.3	221	9.1	171	8.9	103	7.9	9.7
18	209	11.8	190	10.3	155	8.3	90	6.3	10.1
20	143	9.4	125	9.7	107	8.3	67	6.1	13.8
22	167	12.3	131	9.8	105	8.4	65	5.8	19.5
MEAN	236	10.0	192	9.6	152	8.4	89	6.1	14.4

NOV. 9.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	279	10.2	239	9.8	194	8.6	108	6.3	4.1
2	332	10.9	269	10.6	231	10.5	142	7.9	3.2
4	323	11.3	257	10.3	216	9.8	138	7.3	1.1
6	260	9.6	219	10.3	187	10.6	125	8.0	1.1
8	301	9.1	220	10.6	177	8.9	108	6.0	8.7
10	342	12.0	280	9.2	217	9.7	134	6.9	8.8
12	307	9.0	275	10.5	231	9.1	137	7.3	6.3
14									
16									
18	342	10.8	263	11.2	208	9.9	119	6.8	9.0
20	246	14.3	207	10.8	175	10.0	111	6.8	14.6
22	270	11.4	223	11.8	189	9.5	116	6.5	12.1
MEAN	300	10.9	245	10.5	203	9.7	124	7.0	6.9

NOV.12.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	12.6	177	10.0	141	8.1	80	6.4	7.6
2	213	9.6	185	8.6	141	7.9	81	6.5	14.9
4	207	11.9	166	8.8	112	8.6	62	6.3	12.1
6	222	10.4	151	7.1	106	7.5	57	5.9	7.9
8	161	9.6	129	7.2	98	6.9	56	5.4	6.7
10	190	5.9	138	8.3	97	8.6	56	6.3	11.1
12	106	8.2	80	9.8	59	8.5	34	5.6	10.5
14	112	10.5	89	8.6	68	8.0	37	5.1	9.4
16	115	8.3	89	6.6	67	5.3	41	3.7	35.5
18	140	4.4	96	4.8	70	5.2	43	4.0	27.8
20	130	10.9	101	7.0	73	5.9	43	4.5	17.9
22	139	14.1	113	9.5	86	6.9	50	5.0	16.6
MEAN	161	9.7	126	8.0	93	7.3	53	5.4	14.8

NOV.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	152	9.8	116	6.3	89	6.5	55	5.2	15.9
2	158	7.3	122	5.7	86	6.3	51	4.6	20.1
4	186	13.8	119	9.4	86	7.1	49	4.8	16.5
6	199	5.8	139	8.3	97	9.2	56	6.6	15.6
8	205	13.2	147	8.8	93	8.9	49	6.3	12.2
10									
12	138	12.3	119	11.8	89	11.0	50	8.4	11.3
14	159	7.3	101	9.6	73	10.3	41	6.8	12.0
16	104	12.1	92	12.0	77	12.0	44	8.8	10.3
18	111	8.9	98	10.3	71	9.1	42	6.3	13.8
20	160	12.8	132	10.3	92	8.8	50	6.9	14.4
22	114	10.6	98	6.3	69	6.6	39	5.7	13.1
MEAN	153	10.4	117	9.0	84	8.7	48	6.4	14.1

NOV.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	11.9	97	7.6	70	8.0	39	5.5	12.8
2	109	4.1	84	7.9	67	8.3	39	5.8	14.7
4									
6	79	11.4	66	10.1	53	9.0	31	5.5	10.6
8	85	10.8	65	8.3	48	7.6	28	5.1	11.4
10									
12	117	8.3	81	11.0	60	10.4	32	6.6	6.4
14	96	11.2	68	10.8	52	10.1	31	6.9	7.8
16	74	11.9	66	11.1	56	11.1	36	8.1	10.6
18	84	11.5	63	10.8	49	9.4	28	6.1	2.9
20	157	7.2	82	7.9	58	9.4	32	6.5	9.0
22	102	3.2	71	8.1	47	7.8	26	5.4	15.0
MEAN	103	9.1	74	9.4	56	9.1	32	6.1	10.1

NOV.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	2.4	58	6.1	42	6.1	24	3.9	11.3
2	95	5.4	74	7.9	57	7.3	35	4.6	6.5
4	89	6.8	63	7.8	49	6.3	31	3.6	-0.6
6	94	11.7	68	9.5	49	7.8	27	4.8	9.2
8	105	8.8	82	7.6	61	6.3	36	4.3	13.7
10	133	3.2	86	7.2	65	6.4	40	4.4	15.4
12	112	3.3	77	7.5	61	6.6	37	4.7	20.4
14	104	9.5	87	7.3	69	6.6	42	4.6	18.3
16	95	12.1	78	7.4	60	6.3	36	4.3	14.3
18	112	10.3	85	8.1	62	6.8	36	4.2	16.7
20	133	3.5	99	7.1	73	5.4	45	3.9	18.9
22	106	5.4	77	4.6	58	4.3	36	3.5	27.3
MEAN	106	6.9	78	7.3	59	6.3	35	4.2	14.3

NOV.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	99	10.7	83	5.8	62	6.3	36	4.8	16.2
2									
4	85	11.9	68	9.7	50	8.6	29	5.4	7.5
6	86	12.2	66	11.6	50	9.0	28	5.6	5.1
8	64	11.4	54	11.3	40	8.1	23	4.9	5.0
10	70	11.8	58	10.0	44	8.2	25	5.1	10.2
12	126	11.3	70	11.1	51	8.8	30	6.4	10.0
14	70	12.6	59	10.8	46	9.2	26	5.5	8.2
16	96	12.2	62	11.2	51	10.0	29	6.2	4.0
18	63	13.0	56	12.5	45	11.3	27	7.2	7.0
20	74	11.3	56	10.0	41	9.0	23	5.8	4.4
22	88	13.3	68	11.4	51	9.9	29	6.5	10.3
MEAN	84	12.0	64	10.5	48	8.9	28	5.8	8.0

NOV.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	1.4	81	5.8	57	8.3	32	6.3	19.2
2	83	11.7	62	10.7	45	9.6	25	6.5	10.3
4									
6	89	12.0	58	10.5	46	10.0	26	6.5	-1.0
8	94	9.1	68	9.4	46	8.3	26	5.0	4.3
10	113	11.4	81	11.6	56	10.8	31	7.1	7.3
12	106	12.1	76	12.0	57	11.4	34	8.1	3.5
14	91	12.4	71	11.8	51	9.4	30	5.8	-9.6
16	85	10.6	69	7.3	57	6.9	34	5.1	-18.1
18	76	9.0	59	9.9	44	8.3	27	5.5	-14.7
20	76	9.2	51	7.3	40	5.6	27	3.8	-9.6
22	90	5.8	57	4.9	45	4.3	30	3.0	-12.7
MEAN	92	9.5	67	9.2	49	8.4	29	5.7	-1.9

NOV.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	88	3.8	71	5.9	53	6.3	32	4.5	6.1
2	81	6.7	63	6.4	50	5.6	31	4.3	6.0
4	86	8.5	62	7.8	47	6.6	28	4.8	11.8
6	80	7.6	63	8.2	49	7.1	29	5.1	6.6
8	70	11.8	58	9.3	46	8.0	28	5.5	10.2
10	74	11.4	56	9.7	43	8.0	26	5.8	4.5
12	69	5.1	55	9.0	41	7.4	25	5.0	7.6
14	70	8.1	53	9.4	41	7.6	25	4.8	5.8
16	106	4.6	78	4.1	62	3.7	40	2.6	35.0
18	97	3.4	73	4.4	58	4.1	38	3.3	27.7
20	90	5.7	76	5.4	61	5.3	39	4.1	27.2
22	125	8.0	88	4.8	70	4.9	42	3.8	21.2
MEAN	86	7.1	66	7.0	52	6.2	32	4.5	14.1

NOV.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	138	4.4	95	5.4	72	4.8	45	3.8	26.3
2									
4									
6									
8									
10									
12	136	5.4	108	5.5	86	5.3	53	3.9	26.7
14	145	5.9	109	6.1	83	5.8	48	4.1	25.3
16	156	6.4	94	5.4	75	5.2	45	3.6	22.8
18	145	6.3	104	5.9	81	5.5	50	4.0	22.4
20	167	6.5	111	5.6	87	5.1	53	3.9	29.4
22	159	3.8	114	4.8	89	4.9	54	3.8	25.8
MEAN	149	5.5	105	5.5	82	5.2	50	3.9	25.5

NOV.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	6.9	110	5.9	86	5.5	53	3.8	26.4
2	184	5.8	124	6.1	97	4.8	60	3.9	24.1
4	131	6.0	102	5.8	78	4.8	48	3.7	19.5
6	133	6.0	90	4.3	72	4.0	43	3.1	26.5
8	95	3.3	78	5.3	63	4.7	39	3.3	25.8
10	113	7.3	84	5.3	66	4.9	42	3.6	21.4
12	140	6.1	88	6.1	69	4.9	44	3.5	20.1
14	100	3.1	78	4.6	65	4.2	42	3.3	14.8
16									
18	135	4.4	92	5.6	70	4.6	45	3.6	4.0
20	116	4.8	93	5.7	75	5.4	46	3.9	1.8
22	170	5.8	116	5.8	90	5.8	56	4.5	1.4
MEAN	133	5.4	96	5.5	76	4.9	47	3.7	16.9

NOV.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	7.6	135	5.8	104	6.2	62	4.8	0.5
2	150	7.8	129	6.1	98	6.3	59	5.1	1.1
4	161	7.3	131	7.1	102	6.8	60	5.4	-3.7
6	173	7.3	148	7.1	113	6.8	65	5.5	-5.5
8	127	8.2	104	7.6	80	6.6	45	5.1	-0.6
10	106	7.9	88	7.3	69	7.4	41	5.4	-1.8
12	124	6.2	110	7.6	82	7.3	49	6.3	-1.9
14	124	5.5	88	6.7	67	6.0	40	4.4	-4.0
16	117	8.8	88	9.1	67	8.3	41	6.5	-2.3
18	83	7.6	78	8.5	64	8.3	38	6.2	-1.5
20	100	9.1	79	9.0	63	8.1	40	6.4	0.8
22	110	7.1	85	8.4	68	8.8	43	7.3	-1.4
MEAN	130	7.5	105	7.5	81	7.2	49	5.7	-1.7

NOV.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	90	7.3	81	8.5	66	10.1	41	7.6	0.2
2	131	8.9	107	8.2	81	8.5	45	6.8	2.7
4	223	12.6	121	13.0	85	10.6	48	7.5	5.2
6	183	6.4	91	7.6	66	8.4	38	6.8	0.7
8	173	13.0	116	11.1	82	10.5	43	6.9	7.5
10									
12									
14									
16									
18									
20									
22									
MEAN	160	9.6	103	9.7	76	9.6	43	7.1	3.3

NOV.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	61	11.1	50	8.2	41	6.5	27	4.6	7.8
2	71	6.5	55	5.4	45	5.1	31	4.4	11.8
4	157	4.1	132	4.3	106	4.5	68	3.8	22.7
6	157	6.4	132	4.3	111	4.3	71	3.7	32.3
8	184	6.3	154	5.6	131	5.2	84	4.1	27.5
10	192	7.4	158	5.6	127	5.2	77	4.0	27.9
12	200	5.4	155	5.5	125	5.3	78	4.1	27.0
14	197	5.0	161	5.0	131	4.9	84	4.1	30.4
16	193	4.2	157	5.6	129	5.3	80	4.3	29.1
18	168	6.2	140	5.3	115	5.3	75	4.3	30.5
20	162	6.6	135	5.4	112	5.0	68	3.7	25.5
22	204	8.3	164	6.8	137	6.1	91	4.8	23.4
MEAN	162	6.5	133	5.6	109	5.2	70	4.2	24.7

NOV.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	7.6	177	6.8	153	6.4	106	5.0	23.1
2	237	7.9	203	6.6	165	6.2	102	4.8	24.4
4	243	6.5	206	6.7	176	6.6	115	5.5	20.9
6	193	7.8	169	6.8	137	6.4	84	5.1	24.6
8	209	9.0	136	6.4	100	6.0	58	4.5	24.3
10	153	6.5	114	6.7	88	7.1	55	5.4	23.0
12	132	6.6	105	7.2	85	7.8	55	6.3	16.7
14	132	7.5	96	7.3	72	7.6	43	5.6	14.9
16	172	9.3	129	7.8	99	7.4	56	5.1	18.6
18	122	9.3	95	7.2	78	6.9	50	5.2	25.5
20	140	5.5	108	6.1	86	6.1	52	5.1	18.2
22	92	6.2	77	7.3	63	7.1	39	5.3	17.7
MEAN	170	7.5	135	6.9	109	6.8	68	5.2	21.0

NOV.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	82	7.4	67	8.2	54	7.8	33	5.8	13.4
2	75	9.6	60	8.6	50	9.1	31	6.3	15.8
4	80	10.0	67	9.7	52	9.0	30	5.6	18.7
6	77	10.1	60	9.9	44	8.2	25	5.4	12.3
8	82	10.5	67	10.2	52	9.5	32	6.9	11.8
10									
12									
14	104	11.2	73	9.6	53	8.5	30	5.4	7.8
16	96	6.9	81	7.4	60	5.8	36	3.6	10.4
18	99	10.5	68	8.8	51	5.9	31	3.7	17.7
20	96	11.5	69	9.6	49	7.3	29	4.6	16.1
22	115	11.5	73	9.0	51	6.8	30	4.6	22.4
MEAN	91	9.9	69	9.1	52	7.8	31	5.2	14.6

NOV.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	6.8	73	7.1	55	7.0	33	4.9	22.6
2	83	9.8	59	8.1	46	6.9	28	4.8	23.8
4	77	7.8	63	8.5	49	6.6	31	4.7	24.8
6	82	8.4	67	7.1	52	6.9	32	5.1	27.7
8	82	6.8	67	8.8	51	7.5	30	5.1	21.4
10	65	9.2	53	9.3	42	7.6	27	5.3	22.9
12	54	13.6	47	9.6	38	8.5	23	5.6	17.2
14	62	8.0	52	9.3	43	9.3	26	6.6	12.6
16	76	7.4	53	8.8	41	8.1	23	5.3	13.2
18	57	8.6	46	10.3	35	8.6	20	5.8	12.7
20	66	10.5	50	8.8	40	8.3	23	5.5	10.0
22	61	11.3	47	8.0	34	6.5	22	4.5	10.4
MEAN	72	9.0	56	8.6	44	7.6	27	5.3	18.3

NOV.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	60	8.3	44	8.9	34	6.8	20	4.3	14.2
2	62	8.6	50	6.9	40	5.5	28	3.7	22.6
4	69	6.4	52	5.6	41	4.4	26	3.1	18.5
6	57	10.9	46	9.0	37	6.9	24	4.6	-6.9
8	62	8.1	49	9.1	40	7.8	25	5.3	-5.4
10	69	11.4	51	8.1	40	7.3	24	5.4	-7.0
12	69	6.5	62	8.5	50	8.1	30	5.8	-7.9
14	69	9.2	62	8.1	51	7.4	31	5.1	-9.6
16	100	6.1	89	8.7	71	8.0	44	5.7	-12.8
18	146	7.4	109	7.1	86	7.5	54	5.5	-9.2
20	169	6.7	137	8.0	105	7.7	63	6.1	-4.0
22	144	10.0	126	8.8	102	7.3	59	5.6	-4.3
MEAN	90	8.3	73	8.1	58	7.1	36	5.0	-1.0

NOV.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	188	10.6	159	8.5	120	7.2	68	6.1	-8.7
2	198	10.8	154	9.0	115	8.4	66	6.3	-1.6
4	270	8.5	168	9.7	118	9.0	71	7.0	-1.0
6	241	10.4	190	10.1	130	8.4	75	6.3	1.0
8	263	10.5	198	9.9	143	8.4	81	6.1	5.5
10	237	9.0	187	9.4	145	8.2	84	5.9	16.1
12	237	13.3	185	9.1	140	8.1	82	5.9	13.2
14	228	8.3	198	7.4	154	7.0	96	5.4	20.3
16	230	9.6	185	7.8	148	6.9	90	5.1	24.8
18	249	14.3	209	9.0	166	7.3	99	5.3	17.9
20	191	9.2	159	7.9	131	6.6	82	4.6	28.8
22	167	5.9	139	8.6	114	6.6	71	4.4	19.4
MEAN	225	10.0	178	8.9	135	7.7	80	5.7	11.3

NOV.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	191	12.1	174	9.9	145	7.8	95	5.5	11.7
4	222	11.0	193	8.7	158	7.4	94	5.6	14.8
6	262	11.3	206	9.1	156	8.8	90	6.3	8.8
8	276	10.6	230	9.8	171	9.0	100	6.9	5.5
10	285	11.7	229	7.5	180	8.2	102	6.4	5.6
12	252	5.8	197	7.7	150	7.8	87	6.6	6.7
14	251	10.3	211	9.3	168	9.5	99	7.6	0.6
16	293	7.9	217	10.4	156	9.8	87	7.3	2.3
18	256	9.2	207	9.1	158	9.3	93	7.9	9.1
20	265	13.1	210	9.6	166	8.1	98	7.1	14.8
22	172	10.0	144	9.9	120	9.1	78	6.9	-10.0
MEAN	248	10.3	202	9.2	157	8.6	93	6.7	6.4

DEC. 1.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	12.4	141	8.3	112	6.8	65	5.5	-2.9
2	187	11.8	163	8.4	132	6.8	77	5.7	-1.3
4	238	9.1	189	8.0	134	7.6	74	5.6	4.3
6	205	8.7	168	8.5	117	8.8	64	6.1	7.7
8	245	12.3	207	9.3	161	8.9	93	6.9	1.9
10	302	10.5	222	10.6	173	9.0	97	7.3	-0.3
12	258	9.3	217	10.7	162	9.3	93	7.4	1.4
14	195	11.5	183	10.0	148	9.3	87	7.9	-1.2
16	280	8.2	222	10.3	165	10.6	94	8.5	0.5
18	239	11.0	208	11.4	147	10.8	83	8.0	3.3
20	286	10.8	202	11.5	142	9.4	81	7.4	0.6
22	178	7.7	168	10.3	140	9.1	79	6.9	0.6
MEAN	233	10.3	191	9.8	144	8.9	82	6.9	1.2

DEC. 4.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	172	11.9	113	8.3	82	6.7	46	4.6	4.0
2	172	10.3	120	7.6	86	7.0	48	5.2	0.2
4	157	7.4	108	6.9	84	8.3	51	6.1	1.3
6	170	10.9	114	9.0	86	7.8	52	5.6	0.8
8	126	6.0	101	7.3	83	7.3	55	5.6	-2.7
10	125	8.3	105	8.8	83	8.6	49	6.0	-2.5
12	164	9.8	110	7.9	84	7.3	50	5.1	0.0
14	148	12.1	117	9.8	90	8.6	54	6.8	2.2
16	119	8.3	97	8.5	76	8.4	48	6.3	1.3
18	150	8.6	113	9.1	85	8.4	50	6.8	-0.9
20	119	8.4	97	8.3	78	7.1	48	4.8	-0.8
22	115	6.4	85	5.4	66	5.6	43	3.8	-8.1
MEAN	145	9.0	107	8.1	82	7.6	50	5.6	-0.4

DEC. 2.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	232	8.8	179	10.3	146	9.6	81	6.8	-0.4
2	239	13.3	188	11.5	161	10.3	93	7.8	-1.3
4	197	11.2	175	11.8	118	10.7	63	7.8	1.9
6	140	10.5	115	9.8	88	10.0	49	7.1	2.0
8	183	11.5	132	10.8	85	10.4	47	7.5	4.6
10	271	6.4	128	9.3	95	8.9	56	6.3	7.6
12	163	11.3	133	10.2	100	7.3	57	5.0	9.9
14	126	8.9	90	5.2	68	4.7	42	3.1	19.7
16	140	11.1	102	8.1	74	7.1	45	4.6	16.9
18	161	11.3	111	9.8	79	8.5	44	5.3	11.6
20	124	11.8	100	9.9	74	7.5	46	5.3	11.0
22	115	10.9	95	7.5	76	7.1	46	5.0	12.9
MEAN	174	10.6	129	9.5	97	8.5	56	6.0	8.0

DEC. 5.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	9.8	84	9.4	67	9.3	41	6.7	6.1
2	108	11.0	92	9.2	72	8.5	43	6.6	-0.3
4	129	2.6	97	8.4	70	8.7	39	6.1	4.0
6	138	6.8	89	7.8	66	6.7	38	4.1	12.4
8									
10									
12									
14									
16	146	9.9	108	7.6	81	6.3	49	4.3	15.7
18	174	6.3	121	5.8	93	5.6	58	4.3	10.7
20	161	4.8	122	6.8	96	6.8	60	4.8	8.9
22	120	9.3	98	6.7	77	6.0	48	4.4	6.9
MEAN	135	7.6	101	7.7	78	7.2	47	5.2	8.0

DEC. 3.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	157	11.0	118	9.5	88	7.4	52	5.4	8.8
2	175	11.1	116	7.2	84	6.8	47	4.8	13.2
4	134	2.9	97	5.9	74	5.5	43	3.8	15.6
6	204	10.5	131	8.8	102	7.6	62	5.4	12.6
8	169	6.0	116	6.6	85	6.1	50	4.7	18.4
10	120	6.3	90	7.3	71	6.4	46	5.0	19.0
12	157	10.9	114	7.3	83	6.3	48	4.4	12.4
14	187	10.8	120	8.5	85	6.9	52	4.9	8.2
16	105	11.1	81	6.6	63	6.1	39	4.4	8.2
18	173	6.4	120	7.9	83	6.6	47	4.1	8.2
20	188	7.7	104	8.3	72	6.3	41	3.9	7.7
22	172	10.8	102	8.9	74	7.3	44	4.7	7.8
MEAN	162	8.8	109	7.7	80	6.6	48	4.6	11.7

DEC. 6.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	8.0	91	7.3	70	6.5	44	4.8	5.2
2	143	11.1	94	10.6	69	8.0	41	5.6	3.8
4	142	9.8	84	8.1	67	8.1	43	6.4	3.5
6	124	10.1	87	9.4	66	8.8	40	6.3	4.0
8	136	11.1	99	9.2	73	8.9	42	6.3	3.1
10	83	9.8	75	10.4	61	9.4	36	6.6	-2.5
12	96	8.9	81	10.9	67	10.4	42	7.8	0.8
14	111	11.5	84	10.9	66	10.1	38	7.1	0.0
16	142	3.8	100	6.1	77	4.6	48	3.4	13.5
18	196	5.8	168	5.6	142	5.3	95	4.6	24.3
20	219	7.9	186	6.5	162	5.9	113	5.0	26.0
22	215	5.9	192	6.3	168	5.9	116	4.9	25.1
MEAN	143	8.6	112	8.4	91	7.7	58	5.7	8.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	7.1985 THETA (DEG)
0	188	8.1	161	4.8	129	4.3	83	3.3	33.5
2	173	4.4	153	6.0	130	5.4	84	4.4	23.2
4	171	6.9	145	6.1	124	5.6	82	4.4	23.2
6	182	7.1	158	5.6	133	5.5	91	4.5	23.1
8	202	8.7	174	6.3	145	5.6	94	4.5	23.9
10	219	6.4	192	6.3	164	5.8	109	4.8	22.2
12	217	7.5	195	6.2	166	6.2	108	5.0	24.8
14									
16									
18	186	6.8	166	6.6	146	6.3	97	4.8	20.4
20	210	6.9	167	6.9	137	5.5	83	3.9	21.3
22	258	6.4	193	6.9	153	5.6	91	4.2	15.0
MEAN	201	6.9	170	6.2	143	5.6	92	4.4	23.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC.10.1985 TMEAM (SEC)	THETA (DEG)
0	214	7.8	188	8.0	148	7.4	89	6.0	21.5
2	243	7.2	198	8.3	151	8.1	91	6.3	16.5
4	231	9.5	181	9.3	135	8.4	81	6.2	18.6
6	239	10.8	172	8.3	131	7.4	78	5.3	19.8
8	203	8.9	176	7.4	139	7.3	83	5.8	23.0
10	223	5.8	198	8.9	149	8.6	87	6.5	17.8
12	174	11.2	151	9.8	118	8.7	73	6.3	19.2
14	196	10.6	145	10.7	108	9.7	68	7.3	16.2
16	237	10.4	180	9.5	127	9.3	75	7.5	13.4
18	239	12.8	163	10.4	114	10.1	64	7.6	16.2
20	169	12.9	143	9.1	112	8.0	61	6.3	23.2
22	165	10.2	135	9.9	101	7.4	57	5.9	21.9
MEAN	211	9.8	169	9.1	128	8.4	76	6.4	18.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	8.1985 THETA (DEG)
0	244	9.3	209	8.3	171	6.4	101	4.5	8.7
2	254	9.8	212	8.1	181	7.1	114	5.1	10.1
4	202	9.2	181	8.4	158	7.4	106	5.8	-1.0
6	209	9.8	187	8.1	159	8.0	99	5.8	-2.6
8	228	8.5	201	9.6	169	7.9	110	6.1	-1.6
10	252	9.9	216	9.3	173	7.7	106	5.8	0.7
12	238	9.5	212	7.8	171	7.4	100	5.8	-0.2
14	325	8.8	242	8.7	195	7.9	109	5.5	-4.2
16	232	7.8	210	8.8	170	8.1	106	6.3	-9.6
18	216	10.8	188	9.8	156	8.1	98	6.4	-5.9
20	230	13.0	208	10.1	173	9.4	112	7.1	-5.1
22	266	10.3	227	9.7	196	9.9	116	6.9	-2.1
MEAN	241	9.7	208	8.9	173	7.9	106	5.9	-1.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC.11.1985 TMEAM (SEC)	THETA (DEG)
0	155	12.1	125	9.6	92	8.0	54	5.5	23.6
2	170	12.1	124	9.4	93	9.8	52	6.5	17.8
4	129	12.1	85	9.1	67	9.0	40	6.1	22.2
6									
8									
10									
12	135	10.7	90	9.4	63	8.6	37	5.6	19.4
14	101	14.8	81	9.8	60	8.8	38	6.3	19.2
16	105	13.4	90	11.4	64	10.4	36	6.8	13.2
18	141	6.9	105	8.0	74	7.1	42	4.5	10.1
20	143	12.0	99	9.8	61	7.8	33	5.1	7.1
22	137	12.9	103	7.6	77	6.3	44	4.5	20.1
MEAN	135	11.9	100	9.3	72	8.4	42	5.7	17.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	9.1985 THETA (DEG)
0	334	10.5	273	9.4	211	8.7	122	6.8	-2.8
2	302	8.0	244	8.8	187	8.5	110	6.6	-0.4
4	276	9.6	239	9.7	188	8.9	114	6.9	0.4
6	219	9.8	204	9.9	158	8.9	92	7.0	2.5
8	277	9.6	226	9.4	177	9.3	102	7.1	0.7
10									
12	264	10.1	193	9.6	141	8.8	80	6.5	2.8
14	196	10.4	168	8.3	124	7.3	73	5.1	17.5
16	257	9.4	178	7.8	136	6.3	77	4.7	20.5
18	192	8.5	164	8.6	138	6.9	91	5.1	20.6
20									
22	250	8.6	179	9.1	147	7.5	96	5.8	25.1
MEAN	257	9.4	207	9.1	161	8.1	96	6.2	8.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC.12.1985 TMEAM (SEC)	THETA (DEG)
0	154	6.3	114	6.5	84	5.4	50	4.1	21.5
2	200	7.7	122	5.5	96	5.3	62	4.0	30.1
4	147	6.1	122	5.3	95	4.8	59	3.4	30.9
6	168	5.1	129	4.7	104	5.3	70	4.6	24.0
8	161	4.7	129	5.7	101	5.6	64	4.3	24.6
10									
12									
14									
16	177	12.2	132	8.8	101	7.6	60	5.4	20.9
18	159	11.4	125	10.1	96	7.3	55	5.1	20.2
20	161	6.8	130	7.5	106	5.9	66	4.6	28.1
22	163	8.9	128	7.9	98	6.3	63	4.8	26.9
MEAN	166	7.7	126	6.9	98	5.9	61	4.5	25.2

DEC.13.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	589	4.1	182	6.6	127	6.3	76	4.9	23.6
2									
4	204	5.2	125	5.9	94	6.3	57	4.8	17.2
6	185	6.3	121	9.1	92	7.7	54	5.3	16.1
8	222	8.8	163	7.8	119	7.2	69	5.1	11.8
10	180	13.0	131	8.5	95	7.1	53	4.6	12.8
12	212	8.8	153	7.1	111	7.3	64	5.3	10.3
14	205	7.4	161	8.2	118	8.6	70	6.4	5.0
16	156	7.6	132	9.0	104	8.8	62	6.8	5.0
18	216	9.6	134	7.9	96	7.8	54	5.1	1.0
20									
22	182	13.3	132	10.3	103	7.3	58	5.8	5.2
MEAN	235	8.4	143	8.0	106	7.4	62	5.4	10.8

DEC.14.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	9.9	105	7.3	81	6.4	46	4.3	4.4
2	143	10.9	102	9.3	71	8.3	37	5.8	7.6
4	104	11.1	83	9.9	68	10.8	40	7.8	3.9
6	94	9.3	76	10.0	59	9.3	36	6.8	-0.7
8	79	9.7	61	10.0	49	9.3	29	6.5	3.8
10									
12									
14	101	8.2	82	10.8	65	10.3	38	7.4	-1.8
16	111	8.8	78	9.9	59	9.9	35	6.7	-4.1
18	85	8.3	71	8.9	56	8.1	34	6.6	-8.6
20	97	10.1	77	8.7	58	8.3	33	5.8	-3.4
22	142	10.4	88	8.4	62	8.1	36	5.8	1.9
MEAN	109	9.7	82	9.3	63	8.9	36	6.3	0.3

DEC.15.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	10.8	97	8.6	68	8.6	38	6.8	14.3
2									
4	67	6.6	59	7.1	48	6.0	29	3.8	14.4
6	192	5.9	151	5.3	118	5.1	72	3.9	31.9
8	263	6.6	209	6.5	161	6.1	102	5.0	26.3
10	254	8.0	221	7.9	183	7.4	112	5.6	27.4
12	238	5.8	210	7.3	179	6.8	114	5.8	27.5
14	235	7.3	211	8.0	182	7.4	113	5.8	27.1
16	283	7.6	224	7.6	166	7.6	94	5.6	26.4
18	224	8.1	189	7.6	145	7.1	87	5.3	23.5
20	270	8.1	182	6.9	131	6.4	78	4.9	27.2
22	174	8.6	138	7.1	111	6.3	71	4.8	25.5
MEAN	211	7.6	172	7.3	136	6.8	83	5.2	24.7

DEC.16.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	174	7.1	142	6.5	115	6.1	72	4.6	23.3
2	184	6.8	135	6.0	108	5.9	64	4.7	24.2
4	141	5.1	104	6.6	86	6.1	53	4.7	21.9
6	146	5.7	121	7.5	95	7.1	57	5.1	17.4
8	133	8.8	115	7.3	90	7.4	53	5.7	17.0
10	144	7.6	110	6.9	83	7.3	50	5.4	15.0
12	125	7.3	108	7.4	86	7.2	54	5.3	14.3
14	103	10.5	87	8.1	71	7.3	44	5.3	13.9
16	102	8.3	85	7.8	70	7.7	43	5.8	7.1
18	106	5.6	93	7.8	74	8.1	47	6.2	5.4
20	111	8.3	84	7.8	64	7.8	41	5.8	7.6
22	115	9.1	92	7.4	68	7.8	37	5.1	6.4
MEAN	132	7.5	106	7.3	84	7.1	51	5.3	14.5

DEC.17.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	7.8	78	9.1	61	8.7	37	6.3	8.9
2	96	9.1	75	8.0	60	7.9	34	5.4	8.6
4	103	9.8	65	8.0	52	7.4	30	4.7	5.5
6	79	8.7	67	8.6	55	8.3	33	5.8	0.9
8	95	10.1	68	9.0	53	7.3	32	4.9	13.5
10	94	8.8	71	8.6	53	7.4	32	5.1	21.0
12	121	7.4	92	6.4	73	6.6	47	5.4	23.8
14	130	5.8	101	6.6	82	6.3	51	4.9	22.1
16	162	7.3	112	6.6	88	6.3	54	4.3	27.9
18	178	6.9	120	5.8	93	5.8	56	4.0	30.5
20	193	6.3	126	5.9	98	5.4	61	4.3	31.6
22	148	5.3	107	6.4	84	6.1	53	4.6	29.3
MEAN	125	7.8	90	7.4	71	7.0	43	5.0	18.6

DEC.18.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	113	5.5	94	6.6	74	6.1	44	4.3	26.3
2	101	7.3	75	6.5	62	6.5	40	5.3	25.4
4	89	7.3	70	6.8	54	6.5	33	4.3	29.2
6	96	7.6	69	7.1	55	6.9	35	5.4	24.9
8	57	8.0	49	7.4	41	6.9	26	5.6	20.3
10	75	7.6	57	8.5	47	8.3	26	5.9	15.8
12	80	7.4	54	7.3	40	6.8	24	5.3	16.0
14	78	5.6	48	5.3	37	4.8	25	3.4	25.7
16	80	6.5	68	7.8	51	8.1	30	6.1	13.8
18	64	9.1	51	8.6	42	7.9	26	5.9	17.3
20	70	9.3	61	7.1	48	7.1	30	5.7	19.1
22	71	9.8	53	9.0	42	7.9	25	5.3	17.1
MEAN	81	7.6	62	7.3	49	7.0	30	5.2	20.9

DEC.19.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	75	10.6	55	8.8	43	7.7	26	5.1	16.7
2	86	10.3	65	9.8	50	9.0	28	5.8	16.4
4	65	8.6	48	7.8	39	6.6	24	4.4	13.1
6									
8	68	12.0	55	8.9	43	8.9	26	5.9	14.1
10									
12	58	8.2	51	10.0	42	9.1	25	6.1	8.2
14	81	4.3	53	5.9	41	4.6	26	2.7	7.5
16	72	12.0	55	10.4	45	9.8	27	6.5	9.7
18	63	10.3	54	9.2	44	8.9	27	6.4	8.0
20	81	5.9	58	7.8	45	6.2	28	4.1	34.1
22	78	8.1	62	8.4	50	7.0	31	4.8	22.8
MEAN	73	9.0	56	8.7	44	7.8	27	5.2	15.1

DEC.22.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.20.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	3.6	60	6.9	46	5.9	28	3.8	30.8
2	109	6.9	78	5.7	64	5.5	42	4.2	26.1
4									
6	181	7.1	115	5.6	84	5.6	50	4.4	28.7
8	109	7.3	91	6.5	73	6.3	47	4.9	29.4
10	138	4.7	87	6.6	66	5.6	40	3.9	27.7
12	96	6.6	76	6.4	61	5.9	38	4.1	29.3
14	99	7.7	80	7.3	65	6.6	41	4.9	25.0
16	94	5.8	79	7.4	63	6.4	39	4.5	24.4
18	90	7.6	72	6.5	57	6.1	35	4.4	22.7
20	86	8.9	68	6.6	54	6.2	35	4.4	27.4
22	82	6.1	61	5.8	47	5.5	29	3.9	27.5
MEAN	107	6.6	79	6.5	62	6.0	39	4.3	27.2

DEC.23.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.21.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	69	9.4	61	7.3	48	5.7	31	4.1	24.0
2	85	8.1	63	6.8	49	6.1	31	4.3	26.4
4	77	5.7	65	6.6	52	5.6	32	4.3	22.5
6	75	9.4	61	5.7	48	5.5	31	4.1	24.5
8	74	8.6	61	6.7	51	6.1	32	4.6	24.7
10	80	6.3	66	5.5	52	5.8	31	4.0	24.8
12	75	8.6	56	6.3	43	5.7	26	3.8	24.7
14									
16									
18									
20									
22									
MEAN	76	8.0	62	6.4	49	5.8	31	4.2	24.5

DEC.24.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.25.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	92	10.8	73	9.0	58	8.5	34	5.8	19.7
16	119	10.0	84	9.4	58	8.2	32	5.1	11.5
18	93	10.7	69	9.6	55	9.0	33	5.7	6.0
20	121	7.0	81	9.0	58	8.3	32	5.8	13.8
22	75	8.3	63	8.3	47	8.1	27	4.9	11.2
MEAN	100	9.4	74	9.1	55	8.4	32	5.5	12.4

DEC.26.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	123	9.8	75	8.5	51	6.6	30	4.2	24.5
2	85	9.0	66	8.4	51	6.4	32	4.1	41.5
4	112	10.4	74	8.1	58	7.0	36	4.6	35.5
6	107	10.8	83	7.1	65	6.1	41	4.5	31.6
8	118	4.5	95	5.9	79	5.3	50	3.9	32.1
10	100	4.0	85	5.9	70	5.6	44	4.2	26.9
12	102	8.4	82	8.6	67	7.1	43	4.9	25.0
14	73	9.8	66	8.1	56	7.3	36	5.3	23.3
16	100	5.4	74	8.4	60	6.9	37	4.4	25.9
18	134	6.9	97	6.8	71	6.5	42	4.2	18.0
20	172	7.2	132	8.3	97	6.7	55	5.1	23.4
22	190	12.5	171	11.1	139	9.3	84	6.3	17.5
MEAN	118	8.2	92	7.9	72	6.7	44	4.6	27.1

DEC.27.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	224	12.7	189	11.1	139	8.3	75	5.4	23.7
2	208	7.3	131	7.3	96	7.3	58	5.7	18.1
4	202	8.1	163	10.2	124	9.9	68	6.6	17.0
6	193	8.6	172	10.8	132	10.8	74	7.6	15.4
8	230	11.0	173	11.8	131	10.8	71	7.9	22.2
10	239	12.7	188	11.9	146	11.3	83	8.4	14.5
12	175	11.4	146	12.6	110	12.3	62	8.8	13.8
14	218	13.0	189	12.1	150	11.8	82	9.1	11.4
16	219	6.5	181	9.1	140	9.2	78	6.6	20.3
18	242	13.9	196	10.5	138	9.9	72	6.3	16.4
20	213	11.5	199	11.3	161	9.1	83	6.5	13.0
22									
MEAN	215	10.6	175	10.8	133	10.1	73	7.2	16.9

DEC.28.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	12.8	155	9.7	128	7.8	78	6.0	24.7
2	238	12.7	202	11.1	152	8.1	85	6.2	19.5
4	245	6.8	195	7.5	147	7.9	88	6.0	21.0
6	260	11.3	206	9.3	159	7.8	94	6.2	23.8
8	244	10.3	175	6.6	136	7.6	85	6.4	24.5
10	236	12.0	189	9.0	144	8.2	84	6.4	21.8
12									
14									
16									
18									
20									
22									
MEAN	234	11.0	187	8.9	144	7.9	86	6.2	22.5

DEC.29.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.30.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.31.1985

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 4.1986 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	80	7.3	70	7.3	56	7.5	35	5.6	4.3
20	91	8.1	79	7.3	64	7.5	43	6.6	0.9
22	213	8.1	159	8.1	117	7.8	71	6.6	1.3
MEAN	128	7.8	103	7.6	79	7.6	50	6.3	2.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 7.1986 TMEAM (SEC)	THETA (DEG)
0	105	12.7	95	11.6	70	11.5	39	8.1	11.0
2	116	11.1	80	10.3	61	9.7	38	6.6	9.5
4	96	11.4	79	11.3	56	11.3	30	7.3	8.8
6	183	7.5	79	10.9	52	9.5	28	6.0	7.2
8	80	12.2	61	11.5	47	9.4	27	5.8	4.2
10	82	11.8	64	12.1	51	10.9	28	7.1	3.0
12	99	12.5	83	11.5	66	11.8	38	8.5	2.4
14	84	14.8	71	12.3	55	11.4	31	7.5	1.9
16	85	13.2	72	11.3	56	10.7	31	6.9	3.9
18	84	10.0	68	10.8	52	10.3	32	7.5	2.7
20	87	10.9	71	10.0	56	10.1	30	6.4	-0.2
22									
MEAN	100	11.6	75	11.2	57	10.6	32	7.1	4.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 5.1986 TMEAM (SEC)	THETA (DEG)
0	258	8.6	223	8.6	176	8.3	112	7.3	1.7
2	275	11.4	230	8.9	164	8.4	100	7.0	1.8
4	256	7.5	219	7.3	172	6.7	98	5.2	-3.3
6	303	9.4	255	9.8	202	8.9	113	6.7	1.5
8	296	9.3	246	8.9	188	8.9	108	6.8	2.4
10	296	9.8	218	9.3	166	9.0	94	7.1	9.0
12	309	12.1	219	11.0	160	10.1	88	7.3	9.5
14	295	12.0	266	9.8	221	10.2	127	8.5	7.0
16	277	11.7	236	12.5	177	10.7	105	9.0	15.5
18	322	8.6	260	11.3	209	10.0	119	8.0	11.2
20									
22									
MEAN	289	10.0	237	9.7	184	9.1	106	7.3	5.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 8.1986 TMEAM (SEC)	THETA (DEG)
0	78	10.2	62	10.8	48	9.8	27	6.6	3.6
2	87	10.9	70	10.6	50	10.5	29	7.0	0.6
4	84	9.4	62	10.9	45	9.8	24	6.1	3.6
6									
8	86	11.0	76	11.0	59	10.4	34	6.9	3.1
10	95	10.6	80	10.4	62	10.5	35	7.4	2.3
12	79	10.5	65	7.5	49	6.9	28	4.5	3.4
14	109	10.9	80	8.9	57	7.4	31	4.8	4.5
16	82	9.6	75	10.7	60	9.8	35	7.3	6.5
18	94	7.3	76	8.3	56	7.8	33	5.5	7.0
20	86	10.7	68	9.1	51	8.3	29	5.4	3.0
22	90	11.5	79	10.5	65	9.6	37	6.8	2.6
MEAN	88	10.2	72	9.9	55	9.2	31	6.2	3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 6.1986 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	124	12.1	101	10.9	80	10.0	48	7.0	8.8
18	185	8.4	111	9.9	82	9.5	48	6.9	7.4
20	108	12.0	87	11.8	62	11.0	35	8.5	9.1
22	84	11.6	78	11.4	61	10.9	33	7.7	9.6
MEAN	125	11.0	94	11.0	71	10.3	41	7.5	8.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. 9.1986 TMEAM (SEC)	THETA (DEG)
0	85	8.6	71	10.8	59	10.5	36	7.2	1.1
2	84	9.4	74	10.3	62	10.3	38	6.8	8.9
4	99	11.4	68	10.5	50	9.8	30	6.5	11.1
6	97	10.7	85	11.3	65	10.6	39	7.8	8.2
8	63	10.3	57	10.9	45	10.1	25	6.6	11.6
10	56	10.9	51	10.9	41	10.8	23	7.5	7.0
12	71	11.0	50	10.6	35	10.1	19	6.0	3.8
14	70	10.6	47	10.5	37	10.1	22	7.1	3.1
16	61	9.9	51	10.4	40	10.2	24	7.5	3.2
18	69	10.0	45	10.1	33	9.3	19	6.7	3.2
20	62	9.9	50	9.3	42	7.1	26	5.1	21.1
22	84	11.0	54	8.6	42	8.3	25	5.6	12.8
MEAN	75	10.3	59	10.3	46	9.8	27	6.7	7.9

JAN.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	52	8.5	42	9.4	31	7.7	18	4.8	13.9
4	55	9.9	40	7.8	31	6.1	18	3.8	16.9
6	65	8.0	49	8.8	40	7.9	25	5.9	14.8
8	71	8.5	55	8.6	41	7.8	24	5.7	15.3
10	75	9.9	60	8.0	48	6.1	27	4.3	9.1
12	65	10.4	49	9.8	35	7.8	19	4.3	4.9
14									
16									
18									
20									
22									
MEAN	64	9.2	49	8.7	38	7.2	22	4.8	12.5

JAN.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 4.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 5.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 6.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 7.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	121	6.1	93	6.6	72	6.0	43	3.9	21.0
18									
20	116	10.3	104	5.7	83	4.8	53	3.7	23.7
22	168	5.4	119	4.9	95	4.9	59	3.8	23.3
MEAN	135	7.3	105	5.7	83	5.2	52	3.8	22.7

FEB.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	15.9	134	6.6	94	5.9	56	4.4	20.1
2	203	3.6	146	7.3	103	6.1	61	5.1	20.5
4	152	7.1	102	5.3	76	5.1	49	4.1	31.2
6	162	5.3	102	6.5	77	5.6	48	4.1	36.1
8	137	13.8	107	9.4	77	7.3	49	5.2	27.0
10									
12									
14									
16									
18	186	14.1	108	9.8	77	8.3	46	5.3	18.1
20	225	13.9	163	9.0	117	7.8	69	6.1	14.6
22	184	8.8	147	7.7	106	7.4	63	5.4	18.4
MEAN	184	10.3	126	7.7	91	6.7	55	5.0	23.2

FEB. 8.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	141	5.9	109	4.1	88	4.6	58	3.8	29.2
2	129	4.8	101	5.3	81	5.3	51	3.9	24.7
4	122	5.4	87	5.4	69	4.6	44	3.3	25.0
6	114	6.8	91	5.3	74	4.8	47	3.5	27.5
8	108	6.8	86	5.8	67	4.8	42	3.6	22.8
10	123	5.1	80	6.8	62	5.7	38	3.9	15.7
12	90	9.6	76	8.5	61	7.4	37	4.8	12.8
14	107	7.3	75	8.0	60	7.1	37	4.8	15.9
16	111	10.6	84	8.2	68	6.9	43	4.6	14.0
18	92	7.7	71	8.7	54	7.2	32	4.8	14.6
20	126	8.8	88	8.6	66	7.5	39	5.2	13.0
22	95	3.7	75	7.4	58	7.9	36	5.8	12.8
MEAN	113	6.9	85	6.8	67	6.1	42	4.3	19.0

FEB.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	9.8	136	9.0	102	7.7	61	5.3	22.3
2	213	14.9	178	12.1	127	8.6	69	6.4	20.7
4	185	14.5	140	9.8	113	9.9	70	6.4	21.8
6	136	11.3	119	10.4	93	8.6	57	5.6	24.2
8	165	12.9	135	11.2	101	9.1	62	6.3	19.0
10	188	13.6	157	9.4	117	8.1	67	5.9	14.4
12	222	10.8	151	9.9	106	8.1	60	5.1	18.5
14	186	7.7	136	8.8	103	7.3	61	4.8	24.2
16	164	10.8	129	7.3	101	6.0	64	4.3	26.5
18	208	4.7	174	5.9	139	6.3	87	4.9	17.9
20	211	5.3	179	6.7	148	6.3	97	4.9	24.3
22	202	6.2	169	6.8	143	6.2	96	5.0	23.5
MEAN	189	10.2	150	8.9	116	7.7	71	5.4	21.4

FEB. 9.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	118	4.8	77	8.6	56	7.9	34	5.6	11.4
2									
4	94	11.5	72	9.8	56	8.2	33	5.9	10.8
6	86	10.3	70	9.8	57	8.8	35	6.0	9.5
8	88	14.3	75	11.8	62	9.5	40	6.9	6.9
10	96	7.6	80	7.8	62	7.3	39	4.6	8.4
12									
14	115	9.5	90	10.3	68	10.3	39	6.8	4.4
16	167	16.1	102	10.8	72	9.1	38	5.2	5.8
18									
20	255	5.3	181	7.1	111	6.9	62	5.5	17.3
22	171	4.9	138	7.1	90	8.0	51	6.0	20.0
MEAN	132	9.4	98	9.2	70	8.4	41	5.8	10.5

FEB.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	6.9	172	6.6	148	6.2	99	5.1	22.3
2	255	6.6	195	7.6	165	6.6	111	5.1	24.7
4	266	7.5	230	7.4	195	6.8	135	5.5	24.0
6	278	7.6	230	7.5	181	7.2	117	5.8	24.8
8	221	7.3	177	6.5	136	6.2	82	4.3	26.0
10	335	10.6	212	8.4	157	7.4	93	5.6	21.8
12	320	1.3	218	8.4	180	8.5	115	6.6	20.3
14	235	9.9	219	8.5	177	8.1	105	6.1	17.1
16	273	11.8	219	9.4	157	8.6	91	6.2	11.5
18	214	11.6	173	8.5	139	8.2	85	6.2	16.7
20	285	10.9	236	8.8	179	8.0	109	6.9	13.1
22	279	11.4	229	8.7	183	8.0	107	6.3	4.8
MEAN	265	8.6	209	8.0	166	7.5	104	5.8	18.9

FEB.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	274	10.8	222	11.2	183	9.4	106	6.6	3.5
2	315	11.9	227	11.6	170	9.4	102	7.3	6.5
4	243	9.8	206	10.0	152	8.8	85	6.1	8.2
6	218	8.9	192	9.1	152	9.4	96	7.9	10.1
8	240	6.1	188	9.8	137	10.0	75	6.9	11.1
10	259	6.6	170	9.3	127	8.8	74	6.0	8.5
12	289	6.3	165	8.5	116	7.4	63	4.9	7.0
14	235	11.9	167	9.8	111	8.8	60	5.6	7.3
16	195	11.0	155	9.3	118	8.4	68	5.9	5.2
18	260	8.2	194	10.2	134	9.1	76	6.3	0.5
20	244	11.0	185	11.8	139	10.5	78	7.1	2.4
22	204	11.4	166	10.5	121	9.8	67	7.0	4.7
MEAN	248	9.5	186	10.1	138	9.1	79	6.5	6.2

FEB.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	283	11.5	186	10.8	133	10.9	81	8.8	6.0
2	196	11.2	158	11.0	115	11.1	66	7.9	4.9
4	150	9.0	119	10.8	95	10.0	57	7.6	2.6
6	142	9.6	103	9.9	82	9.9	49	7.1	5.3
8	147	10.1	129	10.2	96	9.9	57	7.6	5.4
10	187	10.0	110	4.2	84	2.8	51	1.6	8.3
12	283	5.4	140	4.1	98	3.4	51	2.1	8.1
14	134	11.5	90	8.5	62	5.8	34	2.9	7.9
16	196	6.3	114	4.4	84	3.1	51	1.9	8.0
18	165	9.6	125	6.4	94	4.8	54	2.6	11.8
20	192	11.6	143	5.8	106	4.5	60	2.4	10.1
22	206	10.6	148	6.7	106	5.5	58	3.4	10.4
MEAN	190	9.7	130	7.7	96	6.8	56	4.7	7.4

FEB.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	8.5	154	4.9	116	3.8	71	2.3	17.5
2	198	4.4	172	6.3	136	5.5	82	4.1	12.8
4	190	5.3	146	6.4	117	5.9	74	4.3	20.9
6	255	5.2	201	5.5	154	5.3	95	4.2	23.1
8	256	10.0	196	6.1	150	5.1	91	3.7	22.8
10									
12	322	8.5	194	7.1	146	6.6	90	4.9	17.1
14	243	9.7	186	7.1	145	6.6	85	5.0	15.7
16	278	10.9	214	8.1	171	7.6	103	5.9	9.2
18	281	8.6	237	8.1	191	7.6	116	6.0	5.9
20	323	10.4	246	7.9	182	7.3	110	5.3	14.1
22	313	9.4	269	7.6	220	7.4	140	6.1	13.8
MEAN	261	8.3	201	6.8	157	6.2	96	4.7	15.7

FEB.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	296	11.3	265	9.2	224	8.8	162	7.3	12.6
2	302	8.0	250	9.3	214	9.3	145	7.0	16.0
4	304	12.3	254	9.8	218	9.0	150	7.2	16.1
6	313	7.4	257	8.6	218	8.1	132	6.1	17.1
8	332	10.5	290	10.6	256	10.1	176	8.0	19.1
10	300	9.5	265	9.0	221	8.4	141	6.5	21.4
12	275	5.8	235	8.1	206	8.6	131	6.4	25.2
14	242	6.4	214	10.3	186	9.3	123	6.9	19.6
16	213	9.3	195	9.3	176	8.5	118	6.6	21.5
18	234	10.3	214	9.9	184	9.4	124	6.9	21.0
20	258	10.7	227	10.0	192	8.8	125	6.8	20.9
22	283	12.4	239	11.4	204	9.7	129	7.3	21.7
MEAN	279	9.5	242	9.6	208	9.0	138	6.9	19.3

FEB.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	277	11.9	230	10.8	195	9.6	124	6.9	21.5
2	265	12.0	224	9.4	188	10.3	122	7.6	16.4
4	271	13.5	219	11.9	184	9.5	116	7.1	14.6
6	258	12.8	232	11.6	199	9.8	126	7.6	14.2
8	282	12.0	261	12.1	229	11.8	151	8.5	16.4
10	295	15.3	266	12.6	223	11.5	146	8.8	12.1
12	307	11.5	221	11.3	177	10.2	112	7.6	13.0
14	220	10.8	189	8.5	160	8.2	96	6.6	15.9
16	201	4.1	176	9.9	149	8.6	91	6.6	21.2
18	218	14.5	181	12.6	150	10.3	94	7.5	19.5
20	255	8.7	196	9.3	165	8.4	96	6.5	20.9
22	233	8.5	196	10.8	167	9.3	101	6.6	20.3
MEAN	257	11.3	216	10.9	182	9.8	115	7.3	17.2

FEB.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	250	6.8	206	9.3	160	7.1	86	5.4	16.1
2	256	11.0	199	8.5	169	8.7	99	6.9	15.1
4	258	4.9	192	7.0	146	6.2	79	4.7	16.7
6	254	11.4	195	7.8	150	7.8	86	6.2	17.6
8	233	10.5	193	7.6	142	6.9	83	5.4	16.7
10	239	9.5	188	7.5	143	6.8	84	5.3	20.3
12	214	10.8	178	8.9	136	7.2	78	5.6	21.0
14	205	9.3	182	9.4	144	7.4	80	5.6	18.6
16	190	6.1	168	8.4	136	7.7	77	5.5	15.0
18	209	7.1	155	6.6	121	6.0	73	4.9	21.4
20	190	4.5	148	7.2	124	6.0	77	4.6	17.4
22	186	6.8	161	6.1	135	5.9	85	4.8	23.9
MEAN	224	8.2	180	7.9	142	7.0	82	5.4	18.3

FEB.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	6.3	164	5.3	135	5.3	88	4.6	21.1
2	223	7.9	183	6.4	161	6.2	110	5.3	16.1
4	235	3.9	215	6.8	185	6.6	125	5.4	8.4
6	228	8.9	207	8.1	182	7.5	126	5.9	-0.2
8	270	8.8	228	8.8	196	7.6	129	6.0	-1.4
10	258	7.7	225	7.6	193	7.8	129	5.8	2.4
12	268	11.6	221	8.9	190	7.6	122	6.2	-0.9
14	242	6.8	200	9.6	165	8.5	103	5.9	3.1
16	231	9.8	193	9.8	161	8.3	103	6.5	-0.7
18	215	25.1	189	13.7	151	8.8	96	6.8	1.5
20	238	9.6	192	11.2	157	9.3	94	6.7	5.0
22	246	9.0	197	8.6	159	7.7	96	6.1	4.6
MEAN	237	9.6	201	8.7	170	7.6	110	5.9	4.9

FEB.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	261	9.4	212	8.6	183	9.0	111	6.5	5.1
2	283	11.5	215	8.8	179	8.3	110	6.1	8.4
4	237	11.3	207	8.3	178	8.6	106	6.4	4.1
6	274	7.4	229	8.4	187	8.6	119	6.4	4.7
8	240	12.4	221	10.3	195	9.3	127	6.9	22.0
10	256	7.3	230	8.9	198	8.6	126	6.6	17.8
12	322	9.5	235	8.8	195	7.6	121	6.3	8.9
14	277	8.8	229	8.3	186	6.5	113	5.9	6.9
16	215	4.0	192	7.6	163	7.4	104	6.1	12.1
18	204	13.8	172	7.8	140	7.4	86	5.7	4.2
20	189	11.9	164	9.0	133	6.7	78	5.8	4.0
22	217	3.9	187	8.8	157	7.1	92	5.6	12.6
MEAN	248	9.3	208	8.6	175	7.9	108	6.2	9.2

FEB.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	211	11.1	193	9.3	167	7.1	102	6.0	7.8
2	253	8.6	208	8.1	166	7.8	93	6.2	6.3
4	231	8.1	193	7.0	158	7.0	93	6.3	9.8
6	249	8.7	200	8.0	149	7.1	87	5.9	10.1
8	219	8.4	179	6.8	130	6.6	72	4.9	9.2
10	211	8.4	189	5.6	146	6.1	82	5.9	4.6
12	246	12.4	214	6.3	154	7.5	83	6.4	8.3
14	242	8.5	191	8.2	137	8.2	72	5.8	9.3
16	237	5.6	195	6.5	143	6.3	79	5.4	14.1
18	187	4.5	133	5.0	91	5.3	51	3.9	6.4
20	214	4.2	150	4.6	110	5.0	63	4.3	5.5
22	168	9.0	143	4.8	104	5.8	60	4.9	11.0
MEAN	222	8.1	182	6.7	138	6.6	78	5.5	8.5

FEB.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	14.0	140	7.8	107	6.9	60	5.3	10.2
2	235	8.3	194	6.9	125	6.8	65	5.3	9.6
4	215	9.4	187	6.3	128	8.1	73	7.0	13.8
6	164	4.7	129	8.4	98	8.5	57	6.4	9.1
8	223	4.3	140	4.9	99	5.1	60	3.5	10.3
10									
12	219	4.6	162	5.4	111	6.2	64	4.7	14.6
14	185	9.1	137	7.2	97	6.2	54	4.0	15.2
16	179	4.8	120	5.4	88	5.6	52	3.8	11.8
18	169	3.9	130	6.1	93	5.9	53	4.1	11.0
20	157	8.1	124	4.9	90	4.8	52	3.8	10.3
22	146	4.2	126	4.1	89	5.1	53	4.5	11.4
MEAN	188	6.9	144	6.1	102	6.3	58	4.8	11.6

FEB.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	4.1	138	4.9	98	5.4	56	4.8	5.2
2	128	9.4	112	8.6	82	7.6	46	5.5	4.0
4	181	4.8	127	8.5	97	7.7	59	5.9	3.6
6	128	7.4	100	8.6	78	8.8	47	6.3	4.5
8	236	4.5	162	6.1	109	8.0	62	6.1	3.5
10	215	10.1	147	6.4	106	7.0	62	5.8	2.2
12	171	7.4	143	7.4	106	7.6	66	6.1	0.9
14	192	10.4	134	8.3	96	7.2	56	5.4	0.1
16	184	4.3	124	7.9	93	7.3	56	5.2	3.0
18									
20									
22									
MEAN	178	6.9	132	7.4	96	7.4	57	5.7	3.0

FEB.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	160	8.9	100	7.5	79	6.8	49	5.0	20.2
14	194	4.5	113	6.6	88	7.1	54	4.8	14.8
16	151	3.6	100	5.1	77	5.6	48	4.0	12.3
18	180	3.9	130	5.4	103	5.5	64	4.2	24.1
20	167	4.1	131	5.5	107	5.4	66	4.4	27.5
22	189	3.7	123	4.7	93	5.0	54	4.1	22.1
MEAN	174	4.8	116	5.8	91	5.9	56	4.4	20.2

FEB.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	4.8	112	5.3	90	5.4	54	4.6	22.1
2	224	4.1	108	5.8	74	5.4	45	3.6	17.9
4	181	12.4	106	8.5	77	7.4	47	5.5	19.6
6	140	4.5	113	8.2	86	8.6	51	6.6	19.0
8	129	12.8	99	10.6	74	9.2	46	6.3	22.1
10	104	12.3	80	9.1	63	8.2	40	6.3	15.6
12	110	5.0	76	7.1	51	8.2	27	5.4	10.5
14	93	8.8	63	8.1	48	5.9	30	4.0	75.3
16	109	4.9	73	8.6	52	6.6	30	3.8	30.8
18	104	4.5	84	7.1	63	6.3	37	4.1	38.8
20	134	4.4	105	5.1	81	5.3	49	4.2	28.2
22									
MEAN	134	7.1	93	7.6	69	7.0	41	4.9	27.3

FEB.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	94	4.3	80	5.7	60	6.5	36	5.0	20.6
4	79	9.2	67	7.9	53	7.9	34	5.9	22.0
6									
8									
10									
12	85	7.0	69	8.6	51	7.8	29	5.9	18.3
14	84	8.2	67	5.8	54	4.9	39	3.1	-5.0
16	77	9.6	54	9.0	41	8.2	23	4.8	17.8
18	83	8.6	62	8.0	46	6.6	27	4.2	42.3
20	69	10.4	58	7.6	45	6.4	26	3.9	24.7
22	90	3.8	68	5.5	56	5.3	36	3.8	31.0
MEAN	83	7.6	66	7.3	51	6.7	31	4.6	21.5

FEB.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	90	5.5	78	5.2	63	5.3	40	4.3	24.3
2	92	8.6	73	7.0	58	5.9	36	4.4	22.1
4	78	9.9	65	8.3	52	7.4	32	5.3	22.7
6	71	7.7	60	8.7	46	7.4	28	5.1	24.8
8	88	5.1	61	7.8	46	6.4	27	4.1	23.5
10									
12									
14									
16	142	5.3	110	6.9	78	6.1	45	3.7	15.6
18	153	5.9	108	6.8	84	6.1	52	4.1	15.0
20	201	6.9	140	6.7	101	5.8	60	4.1	11.5
22	209	4.5	166	5.6	131	4.8	82	4.9	17.0
MEAN	125	6.6	96	7.0	73	6.1	45	4.4	19.6

FEB.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	192	11.9	167	8.9	138	7.3	85	5.4	9.2
2	215	10.7	185	7.8	148	6.4	95	5.5	16.2
4	243	6.0	216	6.7	173	6.4	105	5.1	10.4
6	283	13.3	226	9.9	186	7.9	118	6.1	16.0
8	326	8.8	247	8.3	202	7.3	119	6.3	18.4
10	242	4.7	185	7.8	151	6.9	98	5.9	21.6
12	243	9.4	195	8.6	154	7.6	95	6.1	22.6
14	251	11.6	204	10.4	170	8.1	109	6.3	22.5
16	291	11.1	224	9.5	181	8.1	110	6.3	24.5
18	270	11.3	230	10.1	196	9.0	134	6.8	20.3
20	261	13.1	229	10.7	197	9.4	127	6.8	19.0
22	223	9.2	198	10.9	169	8.4	109	6.6	18.9
MEAN	253	10.1	209	9.1	172	7.7	109	6.1	18.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	1.1986 THETA (DEG)
0	233	12.3	195	11.0	165	9.8	105	6.9	17.3
2	232	9.2	202	9.9	175	9.8	108	6.9	14.0
4	258	11.9	220	10.8	186	9.8	120	7.0	17.9
6	259	10.3	235	11.3	201	10.3	124	6.8	12.8
8	265	15.5	225	12.3	194	10.4	121	7.1	13.1
10	235	10.7	200	10.4	169	10.0	112	7.4	17.7
12	199	7.1	166	11.0	137	9.0	85	6.6	15.6
14									
16									
18									
20									
22									
MEAN	240	11.0	206	11.0	175	9.9	111	7.0	15.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	4.1986 THETA (DEG)
0	184	12.2	145	8.0	106	6.5	62	4.5	22.8
2	202	8.3	165	6.3	118	5.1	70	3.4	22.7
4	190	6.1	147	5.6	117	5.7	73	4.6	25.9
6	208	7.8	171	7.1	131	6.2	79	4.4	23.7
8	209	7.6	188	8.9	154	8.0	92	5.8	22.1
10	237	4.8	194	8.5	155	8.1	92	5.9	23.7
12	196	8.2	181	7.6	158	7.4	104	6.1	24.2
14	190	9.6	165	9.0	139	7.7	85	5.8	20.0
16	180	10.8	148	8.0	127	7.3	79	5.5	19.5
18	187	8.8	155	7.3	125	5.9	72	4.9	15.7
20	206	11.1	155	9.2	127	7.8	76	5.6	17.5
22	223	9.8	191	7.6	149	7.8	85	5.8	23.2
MEAN	201	8.8	167	7.8	134	7.0	81	5.2	21.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	2.1986 THETA (DEG)
0									
2									
4									
6									
8									
10	236	11.1	214	13.1	184	11.5	111	7.8	14.7
12	225	12.1	180	8.6	147	6.8	86	6.1	11.9
14	191	8.6	172	9.6	146	8.3	90	6.4	14.6
16	186	13.1	169	12.2	147	9.8	94	7.3	17.8
18	299	3.8	214	9.2	173	8.3	99	6.6	9.3
20	246	12.8	216	11.6	187	10.0	112	7.7	14.6
22	246	9.2	205	10.1	175	9.3	102	7.1	14.5
MEAN	233	10.1	196	10.6	166	9.1	99	7.0	13.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	5.1986 THETA (DEG)
0	200	11.3	164	9.4	127	8.0	73	5.9	16.5
2	241	10.0	181	8.9	139	7.9	75	5.6	13.9
4	208	10.8	184	7.6	147	7.4	86	5.8	10.7
6	242	4.4	190	6.6	146	6.3	86	5.3	10.8
8	234	10.8	193	7.8	144	6.5	83	4.8	15.1
10	232	5.8	207	8.8	168	7.0	106	5.7	8.4
12	234	10.8	199	8.9	165	7.9	100	6.0	12.7
14	216	6.0	190	6.6	159	6.1	95	5.3	10.4
16	178	9.9	159	10.3	135	7.9	83	5.9	19.3
18	198	12.1	158	9.0	128	5.9	76	5.6	21.2
20	187	13.3	151	9.0	127	7.5	77	5.6	17.7
22	206	9.3	173	8.9	142	7.4	86	5.6	17.9
MEAN	215	9.5	179	8.5	144	7.1	86	5.6	14.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	3.1986 THETA (DEG)
0	227	9.3	199	9.4	164	8.3	91	6.3	10.4
2									
4	263	13.1	213	8.6	165	8.4	84	5.8	24.3
6									
8									
10									
12									
14									
16									
18									
20	228	9.2	195	7.9	144	6.1	75	4.9	17.4
22	197	11.8	176	7.5	136	7.1	74	5.6	15.9
MEAN	229	10.8	196	8.3	152	7.5	81	5.6	17.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. TMEAM (SEC)	6.1986 THETA (DEG)
0	191	8.7	167	7.4	142	6.7	90	5.3	17.6
2	196	10.4	173	7.8	144	6.9	87	4.5	23.8
4	304	6.9	196	8.6	157	7.4	97	5.7	22.2
6	217	11.4	184	8.5	158	7.3	99	5.5	19.3
8	225	4.1	190	8.3	164	7.2	105	6.0	15.8
10	237	14.2	201	10.0	166	8.4	106	6.2	17.2
12	215	11.3	181	7.8	151	7.3	95	5.9	17.3
14	254	14.2	184	8.3	156	6.9	101	5.8	17.6
16	196	8.4	166	6.4	133	5.7	80	4.8	18.9
18	175	7.1	143	6.4	112	5.6	69	4.8	12.6
20	172	13.3	149	9.0	119	7.1	76	5.5	15.9
22	190	9.0	155	7.5	124	6.1	75	4.9	15.4
MEAN	214	9.9	174	8.0	144	6.9	90	5.4	17.8

MAR. 7.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	232	4.6	188	8.0	149	5.9	92	4.9	4.5
2	271	8.3	209	9.0	175	7.5	109	6.4	16.7
4	256	8.4	205	8.1	173	6.9	105	5.7	13.5
6	236	12.5	195	8.3	160	6.4	97	5.8	14.8
8	233	14.0	191	8.5	153	6.8	92	5.3	20.8
10	274	4.4	219	8.5	173	6.5	106	5.7	16.1
12	270	7.1	214	8.4	172	6.9	104	5.9	9.9
14	247	14.6	206	7.9	170	6.5	103	5.9	12.3
16	226	9.6	196	8.3	160	7.1	100	5.8	6.8
18									
20	182	6.1	147	5.9	118	5.8	76	4.8	7.2
22	178	12.3	155	7.8	129	6.4	80	5.6	11.8
MEAN	237	9.3	193	8.1	157	6.6	97	5.6	12.2

MAR.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	228	21.6	167	10.4	129	7.9	74	5.9	13.9
2	221	4.6	195	10.4	165	8.6	98	7.1	17.0
4	253	4.2	213	7.8	176	7.3	101	6.6	12.0
6	223	6.9	203	7.8	168	6.5	99	6.9	14.4
8	274	5.1	200	9.3	153	7.6	88	6.4	12.7
10	191	3.4	166	7.1	137	6.1	80	6.1	14.3
12									
14									
16									
18									
20									
22									
MEAN	232	7.6	191	8.8	155	7.3	90	6.5	14.0

MAR. 8.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	265	9.8	193	7.8	157	6.9	104	5.8	9.7
2	287	11.5	220	8.9	178	8.2	108	6.4	9.6
4	229	12.5	202	8.5	172	6.8	105	6.3	12.5
6	244	13.1	193	10.4	151	7.5	88	5.6	16.3
8	298	3.8	185	8.5	150	7.4	88	5.8	21.4
10	271	6.9	187	9.7	152	7.4	89	5.4	16.8
12	270	3.3	196	7.8	153	6.7	89	5.5	19.7
14	247	12.4	202	10.5	174	8.5	107	6.7	19.5
16	298	8.5	201	7.6	161	7.3	97	5.9	24.8
18	208	7.1	153	7.0	128	6.2	78	5.1	29.0
20	171	9.0	134	7.1	109	5.7	66	4.8	28.9
22	159	18.9	138	9.3	115	7.0	74	5.8	27.8
MEAN	246	9.7	184	8.6	150	7.1	91	5.8	19.7

MAR.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20	217	4.7	161	5.1	134	5.5	86	4.4	15.6
22	201	8.6	154	7.1	121	5.8	79	4.8	20.1
MEAN	209	6.6	158	6.1	128	5.6	83	4.6	17.8

MAR. 9.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	191	14.6	138	9.2	112	6.9	64	5.4	21.5
2	185	16.8	155	8.5	123	7.9	67	5.3	25.6
4	229	14.0	193	11.5	153	9.7	87	7.1	18.7
6	249	17.4	206	9.8	169	8.0	93	6.8	21.0
8	218	16.0	185	13.5	150	9.2	89	7.1	18.0
10	220	17.3	186	15.3	153	9.5	86	7.1	24.2
12	258	14.1	214	12.1	172	8.9	97	6.6	16.1
14	254	13.4	239	12.9	203	11.8	118	8.2	10.0
16	261	4.3	213	9.0	171	7.6	100	6.6	18.4
18	219	4.2	178	10.2	147	8.1	91	6.3	31.1
20	206	13.8	169	12.1	132	7.5	77	5.9	10.8
22	164	9.5	145	11.7	118	8.0	76	6.4	22.1
MEAN	221	12.9	185	11.3	150	8.6	87	6.6	19.8

MAR.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	256	1.9	163	5.4	125	5.6	80	4.7	19.4
2	246	6.4	172	6.4	136	6.2	85	4.6	15.0
4	233	6.3	183	6.6	153	6.6	98	5.6	11.7
6	225	8.6	197	6.2	164	6.4	99	5.1	11.6
8	211	6.8	179	6.3	155	6.8	102	5.2	13.3
10									
12	195	4.4	147	6.0	118	6.1	71	4.5	16.4
14	178	5.3	154	6.6	132	6.8	85	5.3	11.6
16	203	10.4	173	8.8	141	8.3	84	5.9	9.6
18	220	6.8	181	7.8	139	7.1	82	5.6	8.2
20	190	4.8	150	6.8	125	6.6	79	5.5	13.2
22	189	5.5	147	6.1	122	6.0	73	4.8	12.0
MEAN	213	6.1	168	6.6	137	6.6	85	5.2	12.9

MAR.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	163	7.9	140	5.9	116	6.1	70	4.9	15.0
2	163	6.3	128	6.8	100	7.6	61	5.8	13.1
4	140	9.1	116	8.5	99	8.6	63	6.8	8.7
6	156	9.8	123	8.3	94	7.6	55	5.1	12.9
8									
10	118	7.5	105	6.5	80	6.8	44	5.4	7.3
12	187	4.9	111	6.3	84	7.4	48	5.9	7.8
14	118	6.8	93	8.1	71	7.3	40	4.8	7.2
16	136	9.4	104	9.4	77	8.4	43	5.4	1.6
18	119	10.4	105	9.1	79	8.4	45	5.5	4.3
20	136	5.5	98	7.6	76	6.4	44	4.2	20.6
22	187	5.9	107	6.8	79	5.6	50	3.9	19.0
MEAN	148	7.6	112	7.6	87	7.3	51	5.2	10.7

MAR.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	268	4.1	130	5.1	98	4.9	60	3.8	10.5
2	151	7.4	117	5.1	93	4.9	59	3.8	17.4
4	160	4.8	127	4.7	103	4.6	64	3.3	16.8
6	153	5.9	130	4.6	106	4.8	67	3.8	23.2
8	184	5.7	150	5.3	117	5.4	74	4.3	25.8
10	154	4.9	125	6.3	106	5.7	68	4.3	22.3
12	132	5.4	106	5.1	85	4.8	52	3.8	20.6
14	143	4.8	114	5.3	94	5.0	59	3.7	25.1
16	146	4.9	120	5.8	99	5.6	60	3.9	21.1
18	153	8.3	127	6.5	105	6.0	67	4.4	18.2
20	174	4.9	140	6.5	116	5.8	73	4.3	18.1
22	183	5.6	145	6.3	112	5.5	66	3.8	7.5
MEAN	167	5.6	128	5.5	103	5.2	64	3.9	18.9

MAR.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	5.1	155	5.4	121	5.1	73	4.1	10.4
2	227	6.8	171	5.5	139	5.7	91	4.6	10.2
4	212	6.9	188	5.9	152	5.5	93	4.1	9.7
6	241	5.5	207	6.1	164	6.2	100	4.8	9.6
8	271	3.6	220	6.7	182	6.3	114	5.4	7.6
10									
12	179	10.7	141	6.8	111	5.6	70	4.6	8.2
14									
16									
18	231	12.1	205	8.4	172	7.4	107	5.6	1.4
20	269	5.8	219	9.6	180	8.0	111	6.1	8.5
22	241	9.4	180	7.4	151	6.3	92	5.3	1.5
MEAN	228	7.3	187	6.9	152	6.2	95	5.0	7.5

MAR.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	240	5.8	202	7.5	165	7.2	101	5.8	6.7
2	226	11.7	191	11.3	158	7.3	94	5.8	1.8
4	247	10.1	221	9.0	181	7.3	108	5.8	4.0
6	298	10.0	241	9.6	197	8.5	121	6.3	1.3
8	284	10.4	241	10.1	201	7.8	125	6.5	-1.7
10	237	8.4	195	8.0	148	6.8	88	5.8	1.2
12	231	11.7	170	5.4	135	5.6	83	5.2	3.5
14	210	12.6	177	10.5	144	7.4	85	6.1	3.9
16	220	6.6	182	6.5	151	6.8	90	5.3	-0.8
18	275	11.2	224	9.8	190	7.8	121	6.6	6.9
20	231	7.4	210	7.8	183	7.3	118	6.3	14.5
22									
MEAN	245	9.6	205	8.7	168	7.3	103	6.0	3.8

MAR.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	286	12.9	220	9.5	183	7.5	108	6.2	5.7
2	242	10.6	197	7.0	167	6.8	100	5.3	3.3
4	262	9.4	215	7.9	171	6.9	105	5.9	15.9
6	279	5.8	233	8.0	184	8.1	112	6.4	18.5
8	329	10.4	248	7.8	199	7.8	115	6.3	8.3
10									
12	210	4.1	171	6.1	136	5.9	74	5.3	14.5
14	226	9.4	168	8.7	131	7.8	76	6.0	14.9
16	213	7.8	168	9.0	135	7.6	75	6.3	14.6
18	248	9.6	193	11.0	155	9.2	84	6.9	13.4
20	222	10.9	201	9.8	154	9.9	82	7.0	13.9
22	182	10.1	160	9.5	133	9.8	76	7.2	10.9
MEAN	245	9.2	198	8.6	159	7.9	92	6.3	12.2

MAR.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	13.0	159	9.9	125	9.2	72	7.0	9.0
2	247	11.8	198	11.0	139	9.4	75	7.1	7.4
4	214	10.8	171	10.8	130	9.5	67	6.6	9.9
6	162	13.3	128	10.1	93	8.6	51	5.4	10.2
8	195	11.5	162	10.7	129	9.3	71	6.9	11.6
10	151	12.0	124	10.2	96	9.5	55	6.8	14.6
12	183	12.7	154	9.6	122	8.8	61	5.6	12.5
14	162	9.9	132	9.8	91	7.6	50	4.6	5.6
16	246	8.2	143	7.1	96	6.3	52	3.8	5.9
18	175	5.4	129	8.0	90	7.1	50	4.8	5.8
20	191	9.3	152	7.1	116	8.5	62	5.8	5.7
22	188	13.6	151	9.8	107	8.3	57	5.7	2.8
MEAN	193	11.0	150	9.5	111	8.5	60	5.8	8.4

MAR.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	191	11.0	135	8.2	98	7.1	57	5.1	1.5
2	172	6.9	133	8.7	96	7.5	55	4.9	3.6
4	266	5.3	159	7.3	107	7.2	62	4.8	11.6
6	170	4.9	132	5.8	100	5.1	64	4.1	19.1
8	184	7.1	155	6.8	126	6.3	79	4.8	9.7
10	266	5.6	185	7.3	133	6.3	81	4.9	12.2
12	212	9.6	175	7.9	137	6.8	87	5.2	10.1
14									
16	187	7.0	152	7.1	128	6.6	77	4.8	9.2
18	178	8.0	153	7.4	129	6.8	84	5.2	7.4
20	224	8.7	172	5.6	139	5.7	84	4.1	11.6
22	213	7.3	180	7.3	147	6.3	94	4.9	19.0
MEAN	206	7.4	157	7.2	122	6.5	75	4.8	10.5

MAR.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	224	6.4	175	5.8	135	5.1	86	3.6	26.7
2	210	5.0	177	7.4	144	6.9	92	5.3	11.9
4	237	6.1	196	8.1	157	7.5	97	5.6	15.6
6									
8									
10									
12	251	10.4	208	9.6	161	9.0	95	6.8	7.4
14	196	7.1	159	9.3	115	7.4	64	4.8	16.5
16	181	5.8	142	8.0	113	7.6	64	5.1	13.6
18	154	8.8	135	9.8	108	8.3	59	5.8	11.1
20	153	6.6	120	7.9	90	7.4	50	5.1	16.6
22	162	7.6	127	6.8	100	6.5	59	5.1	19.3
MEAN	196	7.1	160	8.1	125	7.3	74	5.2	15.4

MAR.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	224	8.9	169	9.0	135	9.2	79	6.9	21.5
2	241	8.4	203	10.0	155	8.9	85	7.0	24.8
4	259	13.4	216	10.1	169	9.8	101	8.2	23.4
6	245	12.3	220	10.8	185	9.0	107	7.4	24.7
8	218	9.4	199	10.3	160	9.3	92	7.2	20.8
10	277	13.5	217	10.6	175	8.6	96	6.5	24.5
12	228	5.8	201	8.7	176	8.5	106	7.1	25.2
14	223	11.1	186	11.1	152	9.0	94	6.9	24.1
16	221	16.3	193	10.3	151	8.5	88	6.3	21.5
18	213	14.1	169	7.3	137	6.3	82	5.5	17.3
20	200	8.0	166	7.9	128	6.6	75	5.2	21.5
22	216	5.0	180	7.8	144	7.5	83	5.7	17.8
MEAN	230	10.5	193	9.5	156	8.4	91	6.7	22.3

MAR.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	231	12.0	204	9.4	171	8.1	100	6.3	21.7
2	240	11.3	200	10.8	163	8.8	91	6.2	20.1
4	246	8.6	215	7.8	177	8.5	107	6.4	22.8
6	235	8.0	200	8.7	165	7.8	101	6.3	19.6
8	230	4.6	179	8.3	144	7.1	89	5.8	17.4
10	242	6.9	200	7.1	176	7.8	110	6.3	19.8
12	209	8.4	180	8.1	148	6.8	85	5.4	15.3
14	222	10.7	193	8.9	157	7.5	94	5.9	21.1
16	238	8.2	182	9.6	151	7.8	89	5.7	21.3
18	180	10.3	147	7.6	120	6.6	71	5.1	17.6
20	148	4.5	125	6.0	103	5.5	64	4.8	16.5
22	191	4.8	149	6.3	124	6.0	73	4.8	20.4
MEAN	218	8.2	181	8.2	150	7.4	90	5.7	19.5

MAR.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	205	7.6	172	6.4	144	6.1	86	4.9	16.1
2	251	8.7	194	7.3	161	7.3	97	5.4	18.3
4	238	5.9	204	7.2	166	6.0	106	4.9	22.1
6	222	6.3	193	7.3	159	5.9	101	4.9	20.0
8	220	6.6	186	6.8	154	6.4	96	5.1	18.2
10	237	7.3	198	5.9	165	5.9	103	4.4	18.0
12	252	5.6	204	7.1	162	6.5	99	4.8	18.9
14	336	6.4	280	5.9	210	6.5	124	5.1	15.6
16	296	5.6	217	6.6	176	6.5	107	5.0	17.4
18	271	5.8	240	7.3	194	6.1	112	4.8	14.9
20									
22									
MEAN	253	6.6	209	6.8	169	6.3	103	4.9	17.9

MAR.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	254	11.8	225	10.5	193	9.8	116	6.8	14.5
14	280	10.4	242	11.1	211	10.6	133	7.6	14.7
16	285	13.8	258	11.3	212	9.4	132	7.3	14.9
18	259	11.8	209	8.3	179	8.3	112	6.4	16.0
20	196	5.3	178	10.1	152	9.4	96	6.6	16.3
22	194	12.4	162	10.6	132	8.6	82	6.6	16.3
MEAN	245	10.9	212	10.3	180	9.3	112	6.9	15.4

MAR.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	230	13.2	171	11.5	136	8.4	80	6.3	16.1
2	290	5.4	224	11.2	179	9.6	110	6.9	18.5
4	256	10.6	238	11.6	206	10.5	132	8.1	21.3
6	285	14.1	232	13.9	188	11.0	110	7.8	17.4
8	240	13.4	175	10.3	143	9.0	84	6.4	19.2
10									
12									
14									
16									
18	265	11.4	219	10.3	175	8.3	99	6.4	18.6
20	224	9.4	184	10.8	152	9.2	86	6.3	22.6
22	188	9.8	162	9.1	131	7.1	79	5.3	15.3
MEAN	247	10.9	201	11.1	164	9.1	98	6.7	18.6

MAR.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	215	11.5	191	11.8	158	9.3	92	6.9	21.9
2	322	5.3	234	8.9	183	9.1	109	7.6	24.6
4	316	6.2	242	10.5	191	10.2	110	7.8	22.7
6	342	3.8	216	9.9	159	9.1	83	6.1	19.7
8	339	12.5	234	10.3	164	8.3	88	5.8	23.1
10	213	9.9	180	9.5	144	9.3	84	6.8	22.0
12	262	8.0	166	8.5	128	8.4	67	5.4	23.2
14	257	12.1	215	11.4	174	10.0	89	6.8	15.7
16	296	12.7	238	10.2	181	10.3	96	7.3	10.1
18	241	9.5	189	11.8	139	11.0	74	7.1	9.8
20	296	6.6	227	9.7	177	10.6	100	8.1	19.8
22	223	8.4	150	8.3	108	8.8	59	6.0	13.5
MEAN	277	8.9	207	10.1	159	9.5	88	6.8	18.8

MAR.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	11.5	145	9.8	110	8.8	60	5.9	11.0
2	196	12.8	140	10.1	93	9.3	51	6.8	5.0
4	112	11.7	92	8.9	72	8.4	42	6.1	5.8
6	199	11.5	157	10.8	112	9.9	61	6.8	6.8
8	190	9.3	110	8.0	75	5.8	43	3.5	12.9
10	161	8.2	126	6.3	99	5.0	59	3.8	25.0
12	239	9.0	133	6.3	105	5.4	65	4.1	18.5
14	267	4.9	136	5.8	111	5.5	72	4.4	18.8
16	187	4.6	163	6.3	135	5.8	90	4.8	20.0
18	209	7.4	167	5.5	141	5.7	95	4.8	20.1
20	277	5.6	178	6.0	134	6.3	80	4.7	17.4
22	219	7.3	185	7.1	152	6.1	96	4.8	19.5
MEAN	203	8.6	144	7.6	112	6.8	68	5.0	15.1

MAR.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	204	7.5	170	6.8	140	5.8	89	4.6	12.2
2	213	7.4	180	6.7	149	6.1	96	5.0	16.3
4	217	7.5	197	7.0	169	7.1	111	5.5	14.6
6	261	7.2	220	7.0	180	6.5	121	5.4	17.4
8	233	10.4	204	8.1	175	7.1	114	5.5	10.9
10									
12									
14									
16									
18	279	8.6	232	9.3	192	8.1	117	5.8	3.1
20	233	9.3	201	9.1	165	7.7	98	5.4	6.0
22	217	9.1	189	8.0	153	6.4	96	4.4	10.4
MEAN	232	8.4	199	7.7	165	6.8	105	5.2	11.4

MAR.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	202	11.3	173	8.0	146	7.1	94	5.9	17.1
2	238	12.8	202	9.0	162	8.6	104	6.4	16.8
4	288	9.3	238	10.7	201	9.5	125	7.0	14.9
6	286	9.0	249	9.8	210	8.8	127	6.6	12.0
8	316	8.5	235	9.7	180	8.0	106	6.1	6.2
10	211	10.1	174	12.0	140	8.4	87	6.1	7.6
12	157	19.5	134	9.3	111	7.5	68	5.6	18.7
14	165	4.2	135	8.3	112	8.1	69	6.0	6.4
16	215	7.5	169	10.7	141	9.9	95	7.0	3.6
18	260	12.7	229	12.1	184	9.9	119	7.3	7.2
20	242	13.9	203	10.4	174	9.9	115	7.3	9.4
22	240	11.1	206	11.0	176	9.8	110	7.0	12.1
MEAN	235	10.8	196	10.1	161	8.8	102	6.5	11.0

MAR.31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	233	7.6	183	10.9	153	9.3	96	7.0	16.3
2	253	4.1	211	9.9	179	9.6	112	7.0	6.2
4	303	7.8	208	10.0	168	8.1	101	6.1	3.4
6	396	7.4	267	7.8	208	8.3	122	6.3	5.7
8	270	11.8	214	9.0	180	9.4	113	7.3	14.1
10	217	12.8	175	10.3	152	10.1	104	7.6	12.7
12	152	4.5	133	9.9	113	7.1	68	6.1	-2.0
14									
16	162	9.8	139	8.2	116	6.6	71	5.5	22.4
18	208	5.2	179	9.2	146	7.1	86	5.6	19.6
20	226	3.6	191	7.5	153	7.1	90	6.1	13.7
22	218	8.8	192	9.5	160	8.0	92	6.0	5.6
MEAN	240	7.6	190	9.3	157	8.2	96	6.4	10.7

APR. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	265	13.1	196	10.6	161	8.6	93	6.3	8.1
2	221	7.5	185	9.2	152	8.4	88	6.4	15.3
4	313	7.4	234	7.1	189	8.0	104	6.8	8.5
6	254	10.9	212	8.3	170	7.6	91	6.3	11.9
8	240	11.8	217	9.3	172	8.0	94	6.7	7.9
10	197	6.4	166	8.4	134	7.1	71	5.1	6.5
12	175	7.8	141	6.8	114	6.0	61	5.0	2.1
14	163	12.0	133	9.4	105	6.3	58	5.0	13.9
16	181	9.3	135	8.7	111	6.9	63	5.6	8.1
18	178	4.1	154	5.8	129	6.3	68	5.4	11.6
20	190	10.6	161	8.9	127	6.8	69	5.8	8.2
22	182	12.1	162	9.1	129	7.4	67	5.3	8.9
MEAN	213	9.4	175	8.5	141	7.3	77	5.8	9.2

APR. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	179	4.5	145	6.6	110	7.3	60	5.6	-0.1
2	184	4.4	151	7.1	106	6.8	57	5.1	4.7
4	231	3.6	178	7.6	120	7.4	64	5.8	2.5
6	178	11.3	144	8.5	100	8.2	55	6.0	6.5
8	167	4.5	139	6.5	99	7.1	54	6.1	5.6
10	184	11.8	136	7.1	87	7.3	43	4.8	3.3
12	173	9.5	148	9.6	101	7.2	50	5.1	2.3
14									
16	133	8.1	120	7.6	95	6.3	51	5.1	-1.1
18	143	6.9	125	7.0	89	6.0	46	4.3	3.8
20	160	8.3	119	5.5	76	5.6	40	4.1	-0.8
22	122	4.6	103	6.8	80	6.5	46	4.8	1.4
MEAN	169	7.0	137	7.3	97	6.9	51	5.2	2.6

APR. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	175	3.6	137	4.6	105	4.3	66	3.7	25.8
2	178	5.6	135	5.6	106	4.9	65	4.1	22.7
4	162	4.0	129	4.8	100	4.8	62	3.9	22.7
6	160	4.1	119	5.4	87	5.3	53	4.0	16.8
8	183	4.1	140	5.9	111	5.9	66	4.6	24.0
10	197	5.7	148	6.1	113	6.1	69	4.8	25.0
12	168	7.3	130	6.1	95	6.1	54	4.4	14.4
14	147	6.1	115	5.6	84	5.9	49	4.3	10.5
16	140	8.3	110	5.9	85	5.5	47	4.1	8.5
18	126	5.1	102	5.8	78	5.4	44	3.9	9.3
20	159	3.9	121	5.6	88	5.8	53	4.9	8.1
22	111	6.1	82	7.8	63	6.9	38	5.1	2.1
MEAN	159	5.3	122	5.8	93	5.6	56	4.3	15.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	4.1986 THETA (DEG)
0	159	3.8	110	7.4	82	7.8	50	6.5	5.8
2	104	10.1	83	7.4	61	7.4	37	5.6	4.4
4	110	9.9	91	8.6	69	7.3	42	5.6	-1.5
6	117	11.1	94	8.5	73	8.4	45	6.1	-4.0
8	142	8.3	112	7.8	87	7.3	50	5.8	1.7
10	131	4.0	84	6.7	65	6.9	39	5.4	-3.8
12	147	8.4	127	8.4	104	7.4	62	5.9	-3.1
14	176	5.1	139	6.4	98	6.9	53	5.3	-2.9
16	230	4.7	149	6.9	112	6.7	62	5.0	0.6
18	146	8.8	128	6.6	100	6.3	59	4.7	-2.1
20	154	8.5	137	7.1	111	6.1	64	4.8	-2.5
22	169	8.3	134	6.8	103	6.4	60	5.0	-2.9
MEAN	149	7.6	116	7.4	89	7.1	52	5.5	-0.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	7.1986 THETA (DEG)
0	119	7.6	90	7.0	66	6.0	40	4.1	21.6
2	114	9.8	75	7.6	58	7.3	34	4.9	8.6
4	122	9.9	88	9.6	66	8.3	39	6.0	11.7
6	80	6.5	68	7.1	52	6.0	31	4.0	14.5
8	119	8.2	75	8.3	53	6.6	30	4.0	3.9
10	134	6.3	85	7.3	59	6.3	34	4.1	18.2
12	89	8.8	72	5.9	56	5.1	34	3.7	29.6
14	103	5.0	71	4.9	56	4.5	36	3.3	32.9
16	118	3.8	81	6.3	64	5.8	40	4.1	40.1
18	138	4.1	97	6.0	73	6.3	43	4.8	24.8
20	179	8.1	135	5.6	91	5.6	46	4.6	28.3
22	193	10.4	148	7.6	115	7.1	60	5.6	23.3
MEAN	126	7.4	90	6.9	67	6.2	39	4.4	21.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	5.1986 THETA (DEG)
0	181	6.6	145	7.1	107	6.6	60	4.9	-2.7
2	155	9.1	132	6.8	99	6.9	57	5.3	-9.0
4	213	5.1	173	8.8	136	7.9	77	6.0	-8.5
6	200	4.4	157	8.2	125	7.6	70	5.6	-7.6
8	207	9.6	166	7.8	124	6.7	69	4.6	-6.4
10	204	7.6	160	7.9	125	7.6	72	5.8	-8.6
12	218	8.9	186	8.8	149	8.6	86	6.8	-9.4
14	213	3.6	183	8.3	143	8.1	83	6.7	-2.2
16	203	9.8	156	8.6	111	7.0	57	4.2	-0.3
18	177	7.6	155	7.1	127	7.6	71	5.9	-1.3
20	187	5.8	147	8.0	121	7.4	71	5.6	-8.1
22	177	9.1	146	8.4	109	7.8	58	5.8	-0.5
MEAN	195	7.3	159	8.0	123	7.5	69	5.6	-5.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	8.1986 THETA (DEG)
0	154	4.1	130	7.7	94	8.2	52	6.3	26.1
2	165	10.5	139	9.5	110	8.9	66	7.1	24.2
4	227	10.5	143	10.0	99	9.4	54	7.3	26.3
6	190	8.4	147	9.1	111	9.8	65	7.2	22.6
8	155	4.7	127	7.3	92	6.1	53	4.8	23.3
10	161	8.9	127	6.7	96	6.8	52	5.1	22.6
12	209	12.5	161	8.6	109	6.9	55	4.9	19.3
14	207	10.8	123	9.8	88	7.8	50	5.3	14.3
16	141	10.9	112	8.9	89	8.3	50	5.1	5.1
18									
20	160	8.8	127	7.5	96	7.6	56	6.3	18.9
22									
MEAN	177	9.0	134	8.5	98	8.0	55	5.9	20.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	6.1986 THETA (DEG)
0	198	10.9	152	9.5	110	8.1	63	6.4	-0.8
2	207	10.1	155	8.8	117	8.8	68	7.1	-0.4
4	196	7.5	151	8.1	113	8.3	65	6.8	-1.3
6	214	9.6	166	10.3	124	9.2	69	7.0	-1.7
8	142	10.5	122	8.8	99	8.4	56	6.6	-1.5
10	142	10.8	107	9.3	78	8.3	43	6.1	-1.9
12	138	10.9	108	8.3	75	7.4	39	4.5	-1.1
14	191	10.4	128	8.5	86	7.0	47	4.4	-2.0
16	141	7.2	105	7.9	79	7.8	43	4.9	-0.9
18	153	9.5	99	7.9	75	7.3	43	4.8	2.8
20	145	4.2	101	7.5	72	6.6	40	4.5	2.1
22	142	10.3	98	7.1	65	5.9	38	4.1	12.2
MEAN	167	9.3	124	8.5	91	7.8	51	5.6	0.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	9.1986 THETA (DEG)
0	181	11.2	145	10.1	113	8.3	58	6.6	22.5
2	126	10.1	114	9.1	92	9.3	56	7.8	14.0
4	137	9.4	107	7.8	77	9.4	45	7.3	10.9
6	129	9.2	93	9.2	75	9.7	45	7.8	10.0
8	129	6.1	108	7.6	73	7.5	40	6.1	12.3
10	152	9.5	114	8.1	77	7.2	41	5.6	13.5
12	137	8.6	101	7.3	64	7.5	33	4.9	10.2
14	145	9.3	93	8.4	65	7.9	39	5.2	2.0
16	91	7.6	70	8.7	53	8.3	30	5.1	-2.4
18	110	11.4	85	10.3	65	9.8	35	6.6	6.8
20	110	8.3	88	7.6	65	8.2	36	5.9	5.6
22	110	11.0	88	7.6	69	8.2	40	6.1	2.4
MEAN	130	9.3	101	8.5	74	8.4	42	6.2	9.0

APR.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	9.8	73	8.8	54	8.4	34	6.5	0.3
2	111	11.8	73	10.8	52	9.1	30	6.3	-3.2
4	70	11.1	54	9.7	41	9.0	26	5.8	-9.8
6	82	10.3	59	10.1	46	8.4	26	5.4	-6.9
8	87	13.0	69	8.3	50	7.8	30	5.5	-6.6
10	100	9.8	67	5.8	48	6.0	28	4.5	-5.8
12	100	10.8	70	7.1	49	6.5	28	4.4	-7.4
14	86	5.5	67	8.5	50	7.4	30	4.9	-12.1
16	90	8.3	76	8.4	59	8.5	38	5.8	-13.9
18	92	9.6	73	9.0	55	7.9	32	5.3	-16.2
20	128	5.2	93	7.8	70	7.3	43	5.8	-7.6
22	115	8.3	103	8.4	80	7.3	47	5.8	-10.8
MEAN	96	9.5	73	8.6	55	7.8	33	5.5	-8.3

APR.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	168	7.9	122	7.9	92	6.8	54	4.3	-11.8
2	126	8.3	106	9.7	81	8.8	48	6.4	-12.9
4	153	9.4	139	9.1	110	8.3	62	6.6	-9.4
6	234	9.0	164	8.8	122	8.0	72	6.6	-8.3
8	192	9.7	160	8.9	127	8.0	73	6.3	-5.8
10	144	6.0	127	6.9	99	5.8	60	4.3	-12.5
12	179	11.0	123	5.1	94	4.1	56	3.0	13.0
14	195	6.8	148	6.7	112	5.4	64	4.0	9.1
16	180	4.1	128	5.2	94	4.9	56	3.6	19.7
18	197	5.8	148	5.1	110	4.9	67	3.8	22.7
20	186	5.3	159	5.2	133	4.9	83	3.8	23.6
22	181	7.6	156	6.2	133	5.4	83	4.1	20.7
MEAN	178	7.6	140	7.1	109	6.3	65	4.7	4.0

APR.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	7.4	158	5.2	128	5.3	76	3.8	22.3
2	190	6.9	155	5.5	118	5.3	70	3.8	19.2
4	145	4.5	118	7.3	98	7.1	61	5.4	11.0
6	226	10.3	154	7.8	117	7.4	70	5.8	10.7
8	154	6.7	123	6.4	93	6.3	54	4.3	9.2
10	144	6.2	115	7.9	87	6.9	47	5.3	7.0
12	184	10.8	125	7.7	97	7.3	53	5.9	0.1
14									
16									
18	125	10.9	93	10.0	71	9.1	42	6.6	0.0
20	142	9.9	114	7.8	82	7.8	48	5.8	-1.3
22	170	6.4	119	6.3	78	6.3	44	4.3	6.1
MEAN	167	8.0	127	7.2	97	6.9	57	5.1	8.4

APR.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	10.5	95	7.4	74	6.8	44	4.8	6.1
2	132	9.3	87	7.6	63	7.0	37	4.8	7.0
4	119	6.3	86	10.1	59	8.2	34	5.4	2.3
6	117	9.6	81	9.8	57	8.5	31	5.4	3.5
8	128	10.1	96	8.8	67	8.9	36	6.0	2.7
10	132	8.2	119	6.8	89	7.1	47	5.7	5.9
12									
14	153	5.9	122	7.0	89	6.4	47	4.9	4.4
16	194	10.2	154	8.4	104	7.2	52	5.1	6.9
18	161	11.8	121	8.0	84	8.3	46	5.7	1.7
20	104	5.6	84	8.8	66	8.8	39	6.3	-1.4
22	142	9.3	109	6.9	73	6.1	43	4.6	-3.6
MEAN	138	8.8	105	8.1	75	7.6	41	5.3	3.2

APR.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	4.8	116	8.2	86	8.3	48	6.8	1.9
2	177	12.3	123	8.6	85	8.3	47	6.6	-0.8
4	244	11.3	137	9.9	100	8.8	55	6.9	3.8
6	114	7.8	99	10.0	74	8.9	45	6.8	0.5
8	154	8.8	110	8.6	80	8.6	45	6.4	3.3
10	181	7.8	134	8.0	93	8.1	52	5.8	2.5
12	128	7.8	101	5.5	82	4.6	50	4.0	0.0
14	135	3.7	114	5.1	90	4.8	55	4.2	3.4
16	370	4.4	112	5.3	77	4.9	45	3.4	8.4
18	193	12.2	114	7.5	80	6.3	48	4.7	7.1
20									
22	109	7.6	88	9.0	69	7.3	43	5.3	3.9
MEAN	179	8.0	113	7.8	83	7.2	48	5.5	3.1

APR.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	136	8.7	108	7.4	85	7.7	49	5.5	5.7
2	126	10.5	99	8.4	79	8.6	47	6.3	1.4
4	121	12.0	105	10.0	86	9.3	50	6.6	0.2
6	130	8.9	96	9.3	72	8.8	43	6.4	2.0
8	167	10.1	104	9.4	75	8.5	40	5.7	2.5
10	138	4.7	104	8.3	76	7.8	43	5.6	-0.4
12	136	6.1	103	6.3	74	6.3	42	4.8	0.6
14	157	11.6	120	7.4	85	6.7	50	5.3	-1.7
16	132	7.5	101	5.6	75	6.1	44	4.8	-1.7
18	143	7.9	110	8.1	86	7.5	53	5.8	-4.2
20	177	5.4	138	7.8	105	7.4	63	5.3	-8.2
22	188	7.1	131	7.0	103	6.4	60	4.4	-15.7
MEAN	146	8.4	110	7.9	83	7.6	49	5.5	-1.6

APR.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	199	6.5	151	6.0	112	5.9	66	4.3	-9.2
2	176	8.3	156	6.9	133	6.7	79	4.9	-10.0
4	228	7.2	177	6.7	134	6.2	76	4.3	-6.6
6	286	10.1	211	8.0	167	7.2	97	5.1	0.6
8	252	7.4	201	8.0	164	7.6	99	5.6	-2.3
10	207	8.0	171	7.2	142	7.2	89	5.6	-0.7
12	183	8.0	154	6.8	126	5.9	76	5.1	-2.3
14	192	8.0	153	6.9	124	6.2	80	5.3	14.6
16	187	5.3	164	6.4	139	6.9	90	5.4	12.4
18	227	7.3	181	6.8	146	6.8	89	5.7	12.1
20	206	6.4	165	6.3	135	6.4	82	5.3	17.7
22	195	4.6	160	5.8	132	5.9	84	4.8	23.2
MEAN	212	7.3	170	6.8	138	6.6	84	5.1	4.1

APR.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	6.5	166	5.4	129	6.1	80	4.7	24.1
2	202	6.7	167	6.3	125	6.3	74	4.6	14.2
4	190	9.0	153	6.2	115	6.0	69	4.4	12.6
6	201	8.3	154	7.1	118	6.9	67	4.8	11.0
8	214	9.9	180	7.5	138	7.9	80	5.7	15.5
10	206	7.5	158	7.6	126	6.7	74	5.6	8.7
12	203	6.9	162	7.1	130	7.1	76	5.6	5.7
14	184	4.5	152	7.8	128	7.5	78	5.9	9.5
16	174	7.8	146	8.4	123	7.6	78	5.6	4.9
18	223	11.1	170	9.1	137	7.5	81	5.8	8.7
20	199	6.7	163	7.4	128	7.4	75	5.6	4.8
22	203	10.6	175	9.3	133	8.4	75	6.6	2.1
MEAN	201	8.0	162	7.4	128	7.1	76	5.4	10.1

APR.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	230	10.0	180	9.5	141	8.4	85	7.3	1.2
2	213	10.3	160	9.0	118	8.3	72	6.4	1.3
4	224	11.3	183	8.1	143	7.6	86	6.2	3.0
6	220	7.6	194	8.1	147	8.3	86	6.9	-0.3
8	221	8.6	177	6.9	130	8.0	76	6.6	-1.5
10	200	11.1	176	7.9	142	7.9	83	6.3	-2.3
12	225	12.5	182	10.3	151	8.8	92	6.6	-2.5
14	191	7.2	156	8.0	133	8.1	83	6.1	-2.8
16	187	11.2	152	9.6	127	8.3	80	6.5	-2.0
18	207	16.1	159	8.8	130	8.1	82	6.3	-4.0
20	193	12.5	169	12.1	138	10.5	85	6.9	-4.1
22	224	12.3	185	10.8	154	8.7	91	6.5	-2.7
MEAN	211	10.9	173	9.1	138	8.4	83	6.5	-1.4

APR.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	14.8	212	9.1	164	9.3	92	6.6	-1.9
2	246	9.9	221	9.8	182	9.1	106	6.7	1.2
4	242	12.1	211	10.1	173	9.0	101	6.8	-3.9
6	240	12.3	192	9.4	153	8.1	81	5.9	4.2
8	229	10.0	194	9.5	145	8.2	81	6.0	4.3
10	197	9.0	177	10.1	151	8.3	89	6.6	5.2
12	388	2.9	194	7.3	150	7.9	85	6.0	3.2
14	204	11.7	169	10.6	141	7.6	82	5.6	10.0
16	185	13.4	150	10.3	120	7.8	69	5.8	13.3
18	183	11.3	156	9.8	133	7.9	80	5.7	6.7
20	205	11.6	162	10.3	137	8.8	83	6.4	-0.6
22	219	9.8	184	7.9	154	7.3	99	5.9	-6.7
MEAN	234	10.7	185	9.5	150	8.3	87	6.2	2.9

APR.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	10.6	211	9.1	175	8.4	115	6.9	-3.3
2	289	11.8	209	8.5	167	7.3	100	6.1	0.1
4	272	10.9	209	10.6	173	9.2	112	7.1	-6.2
6	207	8.4	187	8.2	155	7.7	97	6.2	-5.6
8	246	11.2	188	8.8	154	8.0	97	6.3	-3.1
10	225	10.6	190	8.3	160	7.9	102	6.3	-4.1
12	271	7.8	210	8.4	175	8.0	104	6.3	-6.7
14	274	6.6	190	8.2	148	7.6	85	5.3	-5.0
16	226	8.1	184	8.5	155	8.3	102	6.0	-7.4
18	279	9.0	170	8.6	126	7.6	74	5.1	-2.2
20	326	7.1	190	7.6	137	6.8	82	5.4	-2.8
22	414	7.1	326	4.5	214	6.6	122	5.9	5.3
MEAN	273	9.1	205	8.3	162	7.8	99	6.1	-3.4

APR.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	501	11.8	408	6.6	333	4.1	216	4.4	8.2
2	395	25.9	395	25.9	341	17.2	149	23.3	5.2
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	448	18.8	402	16.2	337	10.6	183	13.8	6.7

APR.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	190	2.6	149	7.6	123	7.1	77	5.7	5.3
2	275	6.9	162	6.7	127	6.6	81	5.7	0.8
4	174	5.0	149	7.5	125	7.3	77	5.8	1.2
6	204	11.2	159	7.7	131	6.8	80	6.1	-0.9
8	167	5.7	142	7.8	118	6.9	75	5.8	0.3
10	159	5.8	136	7.3	115	6.9	67	5.2	1.9
12	118	5.6	103	6.2	85	5.5	50	4.4	12.6
14	114	5.8	95	6.1	78	5.1	47	4.2	9.9
16	123	3.2	91	5.1	73	4.5	44	4.0	6.1
18	140	3.0	101	5.4	80	4.9	49	4.1	18.0
20	153	10.0	120	7.5	97	6.0	60	4.9	7.6
22	167	6.9	135	7.7	114	6.8	69	5.2	6.5
MEAN	165	6.0	129	6.9	106	6.2	65	5.1	5.8

APR.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	7.9	135	6.4	110	5.7	65	4.3	-1.0
2	163	5.8	138	7.1	112	6.1	67	4.6	-5.7
4	193	9.7	137	8.3	112	6.7	66	4.8	-7.7
6	167	8.5	144	7.2	118	6.6	67	4.6	-5.6
8	161	7.8	139	6.8	114	5.9	68	4.9	-6.0
10									
12									
14									
16									
18									
20									
22									
MEAN	171	7.9	139	7.2	113	6.2	67	4.6	-5.2

APR.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	132	10.3	112	8.7	90	6.1	54	4.6	8.7
20	148	9.6	129	7.4	106	6.6	62	4.9	4.6
22	175	8.1	145	8.4	115	6.6	68	5.4	4.9
MEAN	152	9.3	129	8.2	104	6.4	61	5.0	6.1

MAY 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	4.1986 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	111	6.8	93	5.9	75	5.3	46	4.8	13.6
20	139	13.1	107	8.1	83	6.1	50	4.9	11.4
22	140	4.6	117	5.3	91	4.8	55	3.8	9.9
MEAN	130	8.2	106	6.4	83	5.4	50	4.5	11.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	7.1986 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	5.1986 THETA (DEG)
0	152	4.4	134	6.6	107	5.8	65	4.8	-2.2
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	152	4.4	134	6.6	107	5.8	65	4.8	-2.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	8.1986 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	6.1986 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	9.1986 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 1.1986 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 2.1986 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	343	6.9	180	5.6	110	6.6	62	5.3	1.9
16	178	9.8	131	5.9	97	6.0	54	4.9	3.7
18	171	3.5	123	4.6	87	5.7	49	4.8	3.7
20	160	6.5	109	4.9	77	5.8	45	4.1	8.2
22	123	6.7	109	7.6	84	7.3	51	6.3	7.6
MEAN	195	6.7	130	5.7	91	6.3	52	5.1	5.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 3.1986 TMEAM (SEC)	THETA (DEG)
0	177	4.6	116	6.8	87	7.6	51	6.0	7.9
2	195	9.3	123	6.6	93	7.6	52	6.4	12.4
4	167	4.1	138	5.7	97	5.9	53	5.4	8.2
6	153	7.2	114	6.0	80	5.7	44	4.1	9.5
8	134	3.3	106	4.8	79	4.7	47	3.3	3.0
10	174	5.1	130	6.0	93	5.9	52	4.4	8.5
12	174	7.3	116	6.4	83	6.2	48	4.8	17.6
14	141	3.9	107	5.8	74	5.1	43	3.3	22.0
16	126	6.6	96	5.9	71	5.8	43	4.1	19.5
18	129	3.8	100	5.0	73	4.8	42	3.3	14.4
20	163	6.3	124	6.6	90	6.9	49	5.1	19.9
22	189	9.2	122	7.1	84	7.0	47	4.7	19.1
MEAN	160	5.9	116	6.1	84	6.1	48	4.6	13.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 4.1986 TMEAM (SEC)	THETA (DEG)
0	126	4.7	98	6.9	73	6.4	41	4.3	18.8
2	192	9.4	126	7.9	90	7.4	51	5.3	16.6
4	186	6.8	142	5.6	100	6.1	56	5.2	13.3
6	161	11.0	125	6.1	91	5.6	54	4.4	13.0
8	139	7.8	120	6.4	97	5.6	62	4.3	30.0
10	160	4.8	122	4.5	99	4.8	62	3.6	34.9
12	168	8.6	136	5.8	115	5.6	75	4.3	25.0
14	270	5.4	175	5.7	137	5.8	86	4.4	31.6
16	199	5.3	167	6.3	141	5.9	93	4.7	32.4
18	176	5.8	145	6.7	122	5.9	82	4.6	33.3
20	164	6.8	138	6.4	118	6.1	79	4.8	28.2
22	171	5.1	147	5.4	118	5.5	75	4.5	29.3
MEAN	176	6.8	137	6.1	108	5.9	68	4.5	25.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 5.1986 TMEAM (SEC)	THETA (DEG)
0	187	8.8	149	6.3	121	6.3	74	4.9	26.0
2	186	7.2	148	6.7	112	6.1	66	4.6	25.7
4	173	8.7	142	6.9	107	6.1	63	4.5	24.8
6	144	5.3	131	5.6	112	5.8	69	4.8	28.5
8	135	5.8	111	6.6	87	5.6	53	4.2	27.6
10	148	7.5	120	6.6	102	5.4	64	4.3	28.6
12									
14	145	5.1	121	6.3	94	6.0	56	4.3	25.4
16	185	3.3	148	6.3	103	5.8	58	4.3	28.7
18	201	10.6	146	7.0	108	6.3	62	4.6	5.5
20	164	8.9	138	5.9	105	6.4	60	4.7	11.2
22	170	5.3	147	6.8	118	6.3	67	4.8	8.3
MEAN	167	7.0	136	6.5	106	6.0	63	4.5	21.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 6.1986 TMEAM (SEC)	THETA (DEG)
0	174	8.8	137	6.6	101	6.1	62	4.8	9.6
2	268	5.4	157	5.8	112	6.4	63	4.6	11.0
4	331	5.8	176	5.7	126	5.9	73	4.7	7.6
6	203	3.8	141	6.2	117	6.0	68	4.5	9.9
8	152	4.0	115	6.1	97	5.7	63	4.4	6.5
10	162	9.1	123	6.9	98	5.8	63	4.5	9.6
12	174	8.5	141	7.0	116	5.9	75	4.7	6.7
14	220	7.1	170	6.4	141	6.0	84	4.6	8.1
16	213	7.1	178	6.8	151	6.4	96	4.9	5.5
18	192	10.5	165	6.6	137	6.4	86	4.8	4.9
20									
22	180	7.9	167	7.3	146	6.6	95	5.2	-0.3
MEAN	206	7.1	152	6.5	122	6.1	75	4.7	7.2

JUN. 7.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	6.6	183	7.1	153	6.1	100	5.2	6.4
2	283	9.5	218	8.1	176	6.9	113	5.6	4.2
4	233	10.4	199	8.4	167	7.3	108	5.8	1.6
6	210	7.1	165	7.0	136	6.9	88	5.6	2.4
8	165	11.8	138	7.9	115	7.1	74	5.3	12.3
10	152	11.2	130	9.0	111	8.0	73	5.7	2.0
12	159	8.5	144	7.5	126	7.8	85	5.8	7.6
14									
16									
18	246	8.2	200	8.4	170	8.1	111	6.1	13.3
20	248	9.0	203	7.3	164	7.1	102	5.6	12.0
22	221	9.4	185	8.5	152	7.8	95	5.8	11.8
MEAN	213	9.2	177	7.9	147	7.3	95	5.6	7.4

JUN.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	119	5.1	87	6.8	66	5.4	39	3.8	12.1
2	109	5.4	81	6.3	65	5.2	42	3.6	15.2
4	171	3.3	102	4.6	78	4.6	47	3.3	12.0
6	129	4.3	96	4.7	75	5.3	46	3.9	17.6
8	141	4.5	104	4.8	78	5.1	46	3.8	13.1
10	124	3.5	90	4.5	68	4.7	43	3.9	16.2
12	128	2.9	89	4.4	66	4.8	39	3.9	11.3
14	111	8.1	85	6.9	66	6.1	40	4.4	11.5
16	143	8.9	86	7.5	61	6.8	35	4.5	6.7
18	101	7.8	82	7.3	64	6.8	37	4.4	6.9
20	115	7.8	86	7.0	65	6.0	38	4.1	2.3
22	154	8.4	115	7.1	92	7.4	56	5.8	2.1
MEAN	129	5.8	92	6.0	70	5.7	42	4.1	10.6

JUN. 8.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	203	7.4	179	6.9	155	6.5	95	5.8	16.2
2	250	9.5	196	8.3	150	7.3	88	5.6	14.5
4	264	8.1	206	7.8	161	7.5	97	6.3	14.5
6	183	7.4	161	7.0	132	6.3	78	5.1	14.8
8	180	8.8	143	7.8	115	6.7	74	5.2	16.3
10	127	9.6	116	8.0	101	6.8	68	5.2	9.0
12	165	10.3	128	7.1	105	6.6	64	5.1	8.0
14	163	5.3	121	6.8	92	6.3	53	4.8	15.2
16	170	7.1	125	7.3	85	6.6	48	4.3	8.8
18	134	5.8	109	7.1	82	7.0	50	5.4	7.1
20	122	7.1	104	7.4	79	7.3	44	5.5	10.9
22	168	4.1	120	7.6	83	7.2	48	5.6	8.8
MEAN	177	7.5	142	7.4	112	6.8	67	5.3	12.0

JUN.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	4.3	107	6.4	88	6.4	53	5.2	0.9
2	116	5.7	89	5.6	66	4.8	41	3.3	3.8
4	123	6.8	98	7.5	78	6.6	47	4.9	5.1
6	111	5.9	91	6.3	77	6.3	49	4.9	7.2
8	128	10.3	97	5.6	73	5.8	44	4.8	6.9
10	129	4.5	107	6.4	80	5.6	46	4.1	4.0
12	197	7.1	114	6.8	87	5.9	50	4.5	2.2
14	127	8.0	109	5.9	85	5.3	50	4.1	9.1
16	154	7.0	108	5.7	84	5.5	50	3.8	8.3
18	142	6.3	101	6.5	77	6.6	46	4.5	6.4
20	108	8.1	87	6.7	69	6.1	42	4.4	6.1
22	134	6.9	96	6.8	76	6.6	45	4.9	5.0
MEAN	132	6.7	100	6.3	78	6.0	47	4.4	5.4

JUN. 9.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	103	7.6	85	7.8	67	7.3	39	5.5	7.7
2	185	3.6	110	6.6	79	6.9	46	5.8	13.3
4	86	7.3	69	8.0	55	7.6	35	5.9	3.6
6	109	4.7	85	7.6	65	6.9	41	5.6	7.2
8	104	3.7	82	7.1	64	7.2	39	5.8	4.4
10	113	8.8	96	5.9	71	5.9	38	4.7	6.9
12	113	8.4	88	5.6	64	6.3	37	4.9	2.6
14	108	5.8	80	6.9	57	6.0	32	3.9	-4.9
16	134	6.7	82	7.1	56	5.8	33	3.8	-5.7
18	90	7.6	70	8.3	53	7.1	31	4.8	-6.2
20	255	4.7	100	8.2	72	7.8	41	5.8	9.7
22	120	8.1	89	6.6	69	6.4	40	4.8	-1.1
MEAN	127	6.4	86	7.1	64	6.8	38	5.1	3.1

JUN.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	114	6.1	87	6.1	69	5.9	42	4.6	5.5
2	100	7.8	86	6.4	68	6.4	42	5.0	7.9
4	136	11.5	90	7.5	69	6.9	45	5.5	8.0
6	119	8.3	89	6.1	70	6.6	42	5.2	8.5
8	124	7.1	95	6.0	73	6.6	44	4.7	7.2
10									
12									
14									
16									
18									
20									
22									
MEAN	119	8.2	89	6.4	70	6.5	43	5.0	7.4

JUN.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	121	6.6	92	6.8	64	6.4	33	4.5	-2.1
14	111	2.1	82	6.4	60	5.8	33	3.8	0.1
16	130	4.9	88	6.1	63	6.3	36	4.5	0.4
18	132	7.7	84	7.4	61	6.9	35	4.6	-2.8
20	116	6.9	98	7.3	77	7.4	45	5.8	-1.4
22	89	10.3	79	9.8	65	8.6	42	6.8	-1.1
MEAN	117	6.4	87	7.3	65	6.9	37	5.0	-1.1

JUN.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	107	7.6	93	8.1	74	8.5	45	6.7	-2.8
2	90	9.9	79	7.5	63	7.4	37	5.8	-2.8
4	102	3.1	86	6.6	67	8.0	40	6.4	-3.8
6	141	7.1	94	7.3	66	6.9	36	4.5	-0.9
8	153	12.0	90	8.3	70	8.1	43	6.4	-4.7
10	125	5.6	94	5.9	67	4.8	40	3.4	-5.1
12	146	8.5	101	6.6	71	7.4	38	5.1	-3.6
14	156	7.9	118	6.3	87	5.5	46	4.6	-2.0
16	159	9.3	114	7.8	81	6.3	43	4.6	-2.5
18	154	6.3	115	8.8	84	7.8	49	5.8	-3.2
20	156	6.1	119	8.8	90	8.6	51	6.3	-1.8
22	180	7.8	108	8.4	79	7.5	46	5.6	-4.1
MEAN	139	7.6	101	7.5	75	7.2	43	5.4	-3.1

JUN.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	9.0	116	8.3	93	7.8	56	6.4	-2.3
2	176	8.4	102	8.1	78	7.7	48	6.4	-3.2
4	202	9.3	138	8.3	98	7.4	56	5.9	-4.8
6	107	9.0	96	8.8	77	7.7	46	6.1	-2.8
8	169	9.8	132	7.8	99	7.7	56	6.1	-5.4
10	152	6.4	115	7.8	80	7.5	45	5.5	-3.1
12	182	10.3	109	8.8	75	7.6	39	5.0	5.4
14	145	6.6	103	3.8	72	3.8	42	2.7	-4.5
16	139	7.3	109	5.5	80	5.9	49	4.5	-10.1
18	138	9.6	109	7.1	77	6.1	43	4.6	-7.9
20	184	7.7	118	7.5	86	8.0	49	5.6	-5.7
22	121	8.0	98	7.3	72	7.6	43	5.7	-5.8
MEAN	157	8.4	112	7.4	82	7.1	48	5.4	-4.2

JUN.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	10.3	102	8.8	74	7.8	41	5.9	-5.1
2	183	9.0	112	7.3	82	7.4	46	5.5	-2.7
4	128	10.1	99	7.4	72	7.5	42	5.3	-3.2
6	110	9.7	84	7.3	66	6.8	40	4.9	-6.3
8	171	9.8	110	7.6	82	7.6	49	5.5	-7.9
10	195	6.8	97	5.6	70	4.8	43	3.1	-11.6
12	154	7.9	104	6.4	76	5.6	45	4.1	-7.7
14	155	2.8	100	6.2	70	5.5	40	4.1	-7.4
16	127	4.9	100	5.8	69	5.9	40	4.2	-5.3
18	124	9.1	90	7.3	66	6.6	38	4.6	-4.0
20	96	9.6	82	8.8	66	7.7	40	5.4	-5.3
22	123	4.9	90	6.1	70	5.6	44	4.1	-7.2
MEAN	141	7.9	98	7.0	72	6.6	42	4.7	-6.1

JUN.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	4.6	102	8.1	74	7.1	44	5.3	-6.4
2	158	7.0	108	5.6	80	5.8	48	4.0	-3.3
4	142	7.4	112	7.6	86	7.3	51	5.3	-4.3
6	149	5.4	114	5.4	85	6.4	51	5.1	-2.4
8	137	6.6	105	7.0	81	6.8	48	4.9	-6.9
10	152	10.8	98	6.5	78	6.4	49	5.1	-5.8
12	143	7.1	103	6.4	76	6.4	45	4.9	-5.1
14	155	8.1	109	6.9	83	6.4	50	4.6	-8.0
16	181	7.4	149	7.0	115	6.8	65	5.3	-3.2
18	196	5.9	152	7.4	119	7.3	70	5.6	-5.4
20	184	5.2	136	5.6	101	4.9	61	3.5	-13.2
22									
MEAN	157	6.9	117	6.7	89	6.5	53	4.9	-5.8

JUN.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	175	8.5	133	7.3	101	7.1	57	5.6	4.2
14	129	6.1	102	7.3	80	7.3	49	5.4	2.0
16	190	10.7	130	7.9	94	7.6	52	5.4	-1.2
18	158	10.3	118	7.9	86	7.3	49	5.1	3.3
20	109	8.8	88	8.9	71	8.3	44	5.8	5.6
22	166	7.8	113	8.0	83	7.5	49	6.0	14.7
MEAN	155	8.7	114	7.9	86	7.5	50	5.5	4.8

JUN.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	7.6	102	7.5	83	7.9	50	6.1	16.4
2	136	8.9	104	7.2	78	6.7	42	4.8	12.8
4	149	8.6	120	8.0	98	7.6	58	6.1	15.4
6	147	6.8	126	7.1	95	7.3	56	5.8	17.9
8	150	6.3	125	6.8	96	6.3	55	5.2	14.1
10	161	8.3	128	8.4	101	7.4	58	5.5	9.8
12	139	8.2	110	7.8	86	7.3	49	5.6	13.1
14	201	8.8	136	7.3	98	6.5	58	4.4	30.7
16	187	8.3	137	7.4	104	6.3	60	4.5	23.2
18	189	8.2	126	7.4	93	6.8	53	4.6	28.5
20	124	9.1	108	7.9	85	6.8	51	4.6	23.8
22	217	4.8	153	6.3	115	5.8	70	4.4	29.0
MEAN	160	7.8	123	7.4	94	6.9	55	5.1	19.6

JUN.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	218	8.3	151	6.7	110	6.7	65	4.6	21.8
2	205	8.1	139	8.1	106	6.5	65	4.8	22.9
4	176	6.3	151	7.0	113	6.1	67	4.6	23.9
6	240	4.3	153	6.8	115	6.0	66	4.7	27.3
8	161	7.3	115	6.9	93	6.5	56	4.6	25.3
10	136	8.4	122	8.6	103	7.1	63	5.0	22.3
12	201	7.4	164	7.9	126	7.0	71	5.3	25.1
14	184	5.2	133	6.9	100	6.4	60	4.9	21.7
16	222	10.3	151	8.2	110	6.6	62	4.4	20.1
18	177	5.5	125	6.7	96	6.3	58	4.4	20.8
20	241	9.6	144	6.9	115	7.1	69	5.3	21.1
22									
MEAN	196	7.3	141	7.3	108	6.6	64	4.8	22.9

JUN.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	108	8.9	93	8.8	73	8.0	45	5.9	7.6
18	129	8.5	103	8.9	74	8.1	45	5.9	9.3
20	167	7.8	127	8.1	93	7.8	51	5.6	7.9
22	103	8.8	82	8.3	67	7.4	38	4.8	6.8
MEAN	127	8.5	101	8.5	77	7.8	45	5.5	7.9

JUN.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	7.8	97	5.8	69	5.1	40	3.5	7.9
2	121	8.1	102	8.3	79	8.4	50	6.5	7.8
4	112	8.2	95	8.1	73	7.9	43	5.6	10.5
6	99	6.4	86	8.1	71	8.0	40	5.3	9.6
8	139	6.6	108	7.6	84	6.9	48	5.3	12.8
10	160	5.9	121	6.6	93	6.6	54	5.3	13.0
12	166	3.5	123	7.3	92	7.3	53	5.8	13.1
14	131	8.3	100	7.0	70	6.6	40	4.6	12.3
16	119	10.4	100	10.0	78	8.5	44	5.6	9.6
18	133	9.8	107	9.7	84	9.0	51	6.8	8.2
20	105	11.6	86	10.4	69	9.4	40	6.5	8.6
22	110	9.9	100	8.6	83	8.9	46	6.6	7.5
MEAN	130	8.0	102	8.1	79	7.7	46	5.6	10.1

JUN.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	118	8.4	82	8.3	65	8.1	37	5.6	6.9
2	93	9.6	86	9.8	69	8.8	41	6.6	4.1
4	89	8.5	75	9.3	62	8.3	36	5.8	2.2
6	81	11.4	69	9.7	56	8.7	35	6.2	8.8
8	116	10.7	88	9.3	67	8.2	39	5.9	6.6
10									
12	152	2.9	105	8.1	78	6.7	44	4.8	7.0
14	127	10.0	100	6.9	75	7.2	42	5.4	4.9
16	120	9.4	89	7.8	67	7.4	39	5.5	4.6
18	116	6.4	86	6.1	64	5.6	41	3.9	1.1
20	97	8.7	67	6.7	51	5.1	32	3.7	-3.3
22	104	7.0	77	7.3	61	5.9	39	4.1	-19.6
MEAN	110	8.5	84	8.1	65	7.3	39	5.2	2.1

JUN.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	162	6.8	101	6.1	82	5.8	53	4.8	-12.1
2	157	8.5	114	7.7	90	6.9	58	5.4	-9.3
4	278	6.1	148	6.9	108	6.9	65	5.8	-3.7
6	188	5.9	159	7.4	133	7.4	87	6.4	-4.9
8	310	5.1	176	7.8	121	7.5	67	5.7	-6.3
10	178	8.5	154	7.6	117	7.1	63	4.8	-0.1
12	183	9.1	144	6.6	120	5.8	74	4.6	13.2
14	190	6.8	151	7.9	126	6.3	81	5.0	11.2
16	214	8.2	169	7.6	131	6.4	82	5.2	12.8
18	256	3.1	186	7.1	142	7.3	86	5.8	12.7
20	213	9.8	157	8.2	117	7.8	71	5.9	14.6
22									
MEAN	212	7.1	151	7.4	117	6.8	72	5.4	2.6

JUN.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	213	10.4	157	7.0	126	6.8	76	5.3	19.3
16	184	6.7	146	7.4	112	6.4	64	4.5	18.3
18	231	9.8	189	9.1	142	8.1	81	6.3	13.4
20	267	10.6	216	9.1	158	7.8	91	6.4	15.6
22	270	9.7	217	9.3	156	8.6	92	6.6	17.6
MEAN	233	9.4	185	8.4	139	7.5	81	5.8	16.8

JUN.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	5.3	228	9.5	172	8.6	101	6.8	13.9
2	392	11.8	262	9.5	209	8.5	135	7.5	13.1
4	229	8.8	201	7.4	160	7.3	96	6.4	25.8
6	309	12.0	214	10.1	176	8.1	102	6.1	19.3
8	305	5.9	237	9.1	192	8.8	111	6.3	18.5
10	248	9.8	197	10.2	158	8.6	95	6.1	23.1
12	208	12.5	185	9.2	152	8.6	92	6.4	21.9
14	217	12.0	184	10.3	156	8.4	93	5.9	20.9
16	275	10.4	204	8.8	157	8.0	87	5.4	18.3
18	255	9.6	234	9.7	207	9.6	138	7.9	17.7
20	285	11.1	247	10.1	206	9.4	127	7.4	18.7
22	355	10.5	286	11.1	221	9.9	130	7.4	20.9
MEAN	279	10.0	223	9.6	181	8.6	109	6.6	19.3

JUN.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	281	9.8	235	10.3	186	9.5	109	7.3	21.8
2	292	8.0	225	10.4	181	9.4	101	6.7	20.1
4	281	11.3	236	11.4	196	10.1	114	7.2	22.0
6	246	9.9	220	9.6	183	8.9	105	6.5	19.5
8	232	11.1	198	9.7	158	9.0	90	5.9	19.2
10	242	8.4	189	7.9	146	8.3	86	5.8	16.3
12	370	11.2	227	9.3	169	7.5	96	5.6	12.3
14	217	9.3	191	8.7	161	8.3	100	6.2	12.1
16	291	11.5	215	9.4	179	8.9	110	6.4	17.6
18	240	9.8	187	7.9	156	7.5	96	5.9	13.3
20	269	10.3	211	8.5	157	7.0	87	4.6	18.9
22	243	9.5	174	8.3	124	6.9	71	4.7	16.0
MEAN	267	10.0	209	9.3	166	8.4	97	6.1	17.4

JUN.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	234	8.5	161	7.8	121	7.4	74	5.4	10.8
2	185	9.5	142	7.0	116	6.3	71	4.6	18.3
4	215	7.5	154	7.1	112	7.0	65	4.9	10.3
6	216	8.4	172	8.3	133	7.6	82	5.4	14.8
8	223	7.9	166	7.3	128	7.3	74	5.1	17.7
10	185	7.8	151	8.0	116	7.4	67	5.0	20.3
12	159	9.2	132	7.5	100	6.6	59	4.1	19.5
14	182	5.6	148	6.7	119	5.6	74	3.8	29.6
16	168	6.1	139	5.8	114	5.6	71	4.3	25.5
18	191	5.1	154	6.1	120	5.9	73	4.3	22.4
20	157	7.5	141	7.1	117	7.0	73	5.0	16.8
22	153	6.7	123	7.4	99	6.5	60	4.7	14.6
MEAN	189	7.5	149	7.2	116	6.7	70	4.7	18.4

JUL. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	6.4	135	6.8	104	6.3	63	4.5	12.5
2	213	4.8	137	5.9	105	6.4	64	4.8	17.1
4	187	4.8	154	6.6	127	6.8	81	5.4	16.8
6	199	4.8	148	5.3	110	5.3	67	4.0	18.1
8	223	6.4	171	6.1	126	6.4	78	5.3	19.7
10	235	6.0	168	7.1	136	6.8	84	5.7	18.0
12	224	7.1	160	6.4	122	6.6	78	5.1	26.5
14	233	6.4	164	5.6	123	5.6	74	4.6	24.0
16	185	6.3	144	6.3	116	6.1	70	4.6	23.1
18	185	6.0	146	6.4	114	6.1	72	4.5	29.5
20	204	6.9	158	6.4	123	5.7	72	4.1	27.6
22	205	6.3	159	6.5	119	5.9	70	4.0	29.8
MEAN	206	6.0	154	6.3	119	6.2	73	4.7	21.9

JUL. 4.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	241	7.5	190	6.8	155	7.0	93	5.2	14.1
2	233	6.1	188	7.7	145	7.0	93	5.9	11.6
4	262	7.8	198	8.0	152	7.1	90	5.9	15.2
6	240	9.3	201	7.6	159	7.6	103	6.1	16.9
8	209	9.4	164	8.0	132	7.2	74	5.1	9.4
10	197	6.9	173	7.8	145	7.9	88	6.2	5.7
12	227	7.9	186	8.2	137	7.6	82	6.2	12.1
14	172	8.4	154	8.8	128	8.0	80	6.7	8.4
16	218	9.7	177	7.6	133	7.8	78	6.3	7.7
18	224	4.2	168	7.9	122	7.5	74	6.4	11.8
20	264	5.3	156	7.8	116	7.8	72	6.3	8.1
22	178	8.8	152	8.3	117	7.9	68	6.1	10.2
MEAN	222	7.6	176	7.9	137	7.5	83	6.0	10.9

JUL. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	5.2	150	6.3	116	5.9	72	4.3	33.6
2	203	7.6	164	6.0	134	5.9	81	4.4	30.0
4	226	8.6	173	6.6	138	6.3	87	5.0	23.9
6	191	6.6	161	6.3	136	6.3	84	4.8	25.8
8	207	3.3	162	5.6	130	5.9	79	4.8	26.4
10	216	4.4	160	6.9	122	6.1	73	4.5	27.6
12	172	6.7	134	5.5	108	5.6	70	3.9	29.4
14	188	7.8	143	6.2	112	5.7	67	4.1	28.6
16	262	6.6	168	6.6	124	5.9	73	4.3	24.9
18	206	6.3	161	5.6	126	5.7	75	4.3	26.5
20	198	5.8	166	6.4	128	6.4	78	4.4	26.1
22	226	8.2	167	6.8	131	5.9	77	4.4	28.2
MEAN	206	6.4	159	6.2	125	6.0	76	4.4	27.6

JUL. 5.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	8.2	177	8.8	134	8.4	79	6.6	8.0
2	173	8.0	147	7.9	120	7.8	76	6.7	7.4
4	212	6.6	139	7.8	105	7.5	63	5.6	7.4
6	162	9.0	139	8.9	116	8.1	69	6.3	8.0
8	221	5.3	144	6.3	103	5.9	60	4.6	9.9
10	193	9.1	166	8.0	136	7.5	84	6.5	12.8
12	155	7.3	134	7.2	107	7.7	64	6.1	13.1
14									
16									
18	109	6.9	85	7.9	73	7.4	43	5.0	2.2
20	103	9.3	78	7.3	62	6.1	38	4.2	8.5
22	106	8.2	93	8.1	76	7.8	48	6.2	5.2
MEAN	165	7.8	130	7.8	103	7.4	62	5.8	8.2

JUL. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	4.4	175	7.1	137	6.4	83	4.8	25.8
2	215	6.0	189	7.3	151	6.7	91	5.0	24.5
4	255	8.9	186	7.3	140	6.7	84	4.9	20.5
6	197	7.7	169	6.8	141	7.1	89	5.3	18.1
8	198	6.2	166	6.6	136	6.8	86	5.2	23.3
10	225	7.9	172	7.6	134	6.7	77	4.4	23.6
12	185	7.7	139	7.5	110	6.3	68	4.6	21.6
14	220	8.6	167	6.0	132	6.2	80	4.6	26.4
16	263	8.7	197	6.3	145	5.9	86	4.6	26.1
18	228	5.9	176	5.9	141	6.5	91	5.1	25.4
20	338	5.1	205	6.6	155	6.3	96	5.0	24.1
22	253	7.5	206	7.8	162	7.4	97	5.6	14.9
MEAN	233	7.0	179	6.9	140	6.6	86	4.9	22.9

JUL. 6.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	99	6.4	82	7.8	66	7.6	39	5.1	-0.1
2	115	6.4	93	7.2	75	7.3	45	5.3	0.5
4	122	7.8	90	7.2	72	6.8	43	4.8	-2.8
6	138	5.8	113	6.1	89	6.4	56	5.0	-5.5
8	173	8.6	145	7.4	117	6.9	73	5.7	-3.6
10	163	5.6	126	7.3	100	7.4	62	5.6	-2.1
12	160	7.6	109	7.4	85	6.8	50	4.8	-1.2
14	112	5.3	95	7.1	76	6.6	47	4.4	-4.1
16	135	6.8	104	6.9	80	6.0	48	4.1	0.5
18	138	8.3	94	6.0	72	5.6	45	4.1	4.3
20	124	5.8	94	5.6	73	5.6	45	3.9	12.8
22	162	5.8	126	5.2	99	5.0	63	3.9	23.9
MEAN	137	6.7	106	6.8	84	6.5	51	4.7	1.9

JUL. 7.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	237	5.0	162	4.6	122	4.2	78	3.1	30.0
2	190	6.1	152	5.3	120	5.0	73	3.7	26.6
4	198	5.9	165	5.6	130	5.4	81	4.3	28.9
6	189	5.1	149	5.3	118	5.4	70	4.1	31.4
8	167	6.4	133	6.6	107	5.9	63	4.3	27.9
10									
12	199	4.6	145	6.6	107	6.8	64	4.9	20.7
14	181	7.4	139	6.9	109	6.8	62	4.6	17.8
16	254	8.1	165	8.5	127	7.7	73	5.8	17.2
18	260	9.8	172	7.7	124	7.4	70	5.1	16.5
20	190	10.6	164	8.4	129	8.0	75	5.9	15.4
22	244	9.0	207	8.8	163	8.6	103	6.8	16.7
MEAN	210	7.1	159	6.8	123	6.5	74	4.8	22.6

JUL.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	9.2	85	8.3	67	8.3	40	5.4	6.0
2	111	8.5	98	8.6	74	8.7	45	6.4	6.0
4	101	10.1	86	9.3	68	8.3	43	6.1	3.3
6	112	7.3	84	8.0	63	7.9	38	5.8	4.6
8	110	7.9	86	8.8	67	7.7	38	5.4	6.8
10	124	9.2	91	8.1	69	8.1	41	5.7	10.2
12	107	7.6	89	7.8	72	7.8	45	5.6	6.1
14	100	8.5	90	9.5	66	8.1	38	5.6	7.5
16	156	10.8	105	7.9	77	6.5	50	4.3	7.2
18	96	9.7	75	7.9	58	5.9	36	3.8	-2.4
20	88	10.8	70	10.5	54	7.6	32	4.6	2.4
22	107	6.7	79	5.6	64	4.4	40	3.1	34.1
MEAN	111	8.9	87	8.4	67	7.4	41	5.1	7.6

JUL. 8.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	9.2	173	7.4	125	7.1	70	4.9	17.2
2	224	8.1	183	9.7	137	8.5	81	6.9	17.6
4	280	10.3	191	9.4	150	9.0	89	7.0	18.0
6	286	10.0	216	8.9	167	8.4	98	7.2	19.2
8	247	10.0	189	8.2	140	6.8	80	4.7	16.2
10	277	8.5	208	10.1	172	9.3	110	7.3	23.5
12	218	9.8	195	8.9	161	8.5	97	6.5	22.7
14	228	9.8	199	9.3	154	8.4	90	6.2	13.1
16	211	8.2	174	8.8	143	9.3	84	7.0	9.9
18	210	10.5	170	9.8	128	8.6	79	6.9	8.3
20	201	10.1	151	8.3	116	7.6	70	5.6	16.4
22	207	4.9	164	8.3	123	7.6	72	6.0	15.2
MEAN	234	9.1	184	8.9	143	8.3	85	6.3	16.4

JUL.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	3.3	91	5.8	71	4.9	46	3.6	32.0
2	91	8.5	78	7.3	63	6.3	38	4.0	30.4
4	103	11.8	82	7.3	66	5.7	40	3.6	24.6
6	84	7.8	69	6.8	56	5.5	36	3.7	23.5
8	106	5.8	79	5.8	62	5.2	43	3.7	21.9
10	108	8.0	83	6.3	64	4.9	41	3.5	30.9
12	157	6.2	84	5.3	63	4.2	38	2.9	19.0
14	107	7.6	77	7.4	59	6.0	37	3.9	21.4
16	92	7.9	71	7.8	56	6.0	35	3.9	23.6
18	113	8.3	83	7.3	65	5.6	38	3.4	19.5
20	110	11.5	70	6.9	55	5.4	35	3.7	26.9
22	124	3.2	88	4.8	63	4.4	39	3.1	26.3
MEAN	115	7.5	80	6.6	62	5.3	39	3.6	25.0

JUL. 9.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	10.1	136	9.5	110	9.1	69	7.1	11.0
2	157	8.7	140	9.1	111	8.8	68	6.3	11.1
4	154	8.3	128	9.2	94	8.5	56	6.8	10.5
6	130	9.5	107	9.8	86	9.3	52	6.8	10.8
8	175	9.3	139	9.2	110	8.6	69	6.6	17.9
10	303	9.3	189	8.1	135	8.4	81	6.7	23.0
12	171	8.5	153	8.0	127	7.9	80	6.6	11.2
14	192	5.3	118	8.8	91	8.1	52	5.8	13.7
16	155	9.7	131	9.0	108	8.7	67	7.3	9.2
18	127	6.6	109	8.4	85	8.8	51	6.2	8.4
20	128	7.9	113	9.1	89	8.7	54	6.9	8.0
22	112	10.1	92	10.1	75	8.9	46	6.1	2.9
MEAN	165	8.6	130	9.0	102	8.6	62	6.6	11.5

JUL.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	5.8	87	5.8	67	4.8	41	3.4	18.2
2	150	5.1	83	5.3	63	4.8	40	3.5	24.7
4	86	5.6	71	5.4	57	4.9	36	3.5	20.9
6	100	2.9	76	5.0	61	4.6	39	3.4	23.7
8	109	10.3	83	5.9	65	4.5	42	2.9	22.8
10	87	8.8	70	6.4	53	5.1	32	3.4	23.3
12	105	8.4	71	7.1	55	5.2	34	3.4	19.7
14	80	9.1	61	7.1	49	5.8	31	3.9	19.7
16	85	11.4	65	8.9	52	6.9	31	4.4	14.3
18	87	11.7	68	10.0	52	7.3	31	4.4	14.8
20	70	9.0	59	8.4	45	7.6	27	4.9	13.1
22	72	10.9	63	10.7	50	9.4	29	6.0	9.4
MEAN	96	8.2	71	7.2	56	5.9	34	3.9	18.7

JUL.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	82	8.3	66	10.3	52	8.5	31	5.6	8.7
2	81	8.2	61	9.2	47	8.0	28	5.4	9.9
4	86	9.2	69	9.4	54	8.3	33	5.8	-0.9
6	64	10.8	56	10.3	48	9.1	32	6.1	-0.9
8	82	12.4	66	10.6	49	8.6	29	5.7	-0.5
10	71	13.4	61	9.8	47	8.2	28	5.7	2.3
12	77	10.4	62	11.5	49	9.6	29	6.1	-1.1
14	104	5.6	80	7.8	62	7.9	37	5.7	-3.4
16	113	7.1	66	7.3	51	5.7	34	4.1	-9.4
18	77	10.2	67	10.0	53	9.1	32	6.3	-5.7
20	89	11.3	78	12.4	60	11.2	36	7.4	-2.9
22	80	10.9	70	10.4	55	9.8	33	6.7	-2.1
MEAN	84	9.8	67	9.9	52	8.7	32	5.9	-0.5

JUL.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	91	12.3	81	12.4	62	10.0	38	7.0	-0.2
2	93	11.5	83	9.9	66	8.8	42	6.8	2.1
4									
6	110	8.6	76	8.2	59	8.6	36	6.1	9.0
8	116	11.0	91	9.9	72	8.2	46	5.6	5.5
10	98	11.3	82	11.1	68	9.2	39	5.4	9.6
12	102	13.8	77	10.5	58	8.8	34	5.6	5.8
14	106	7.1	82	7.6	60	6.8	35	4.4	5.1
16	113	5.3	80	6.9	57	5.4	34	3.4	2.4
18	109	7.9	90	8.1	66	6.4	41	4.3	23.0
20	127	10.0	99	7.9	76	5.9	48	3.6	26.9
22	124	12.6	90	11.1	67	7.4	37	4.1	11.7
MEAN	108	10.1	85	9.4	65	7.8	39	5.1	9.2

JUL.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	7.4	100	9.2	77	8.9	44	5.9	12.9
2	119	16.3	106	11.7	85	10.1	47	6.7	9.4
4	162	11.8	128	10.3	91	9.8	52	6.1	6.1
6	178	8.9	110	9.0	76	8.9	42	5.5	6.7
8	131	9.3	101	9.3	76	8.0	45	4.9	9.8
10	173	9.5	116	9.1	80	7.7	48	4.8	20.0
12	144	9.9	105	9.3	76	8.9	45	5.8	14.2
14	164	6.6	104	6.1	79	5.6	51	4.4	14.4
16	341	5.3	173	8.6	111	6.8	65	5.0	18.9
18	205	8.4	136	8.3	98	6.8	60	4.8	22.5
20	210	4.3	148	7.3	105	5.9	66	4.5	26.5
22	180	4.8	131	6.3	103	5.6	62	3.9	26.1
MEAN	178	8.5	122	8.7	88	7.7	52	5.2	15.6

JUL.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	203	10.9	166	5.9	123	6.4	76	5.0	22.3
2	214	15.4	135	9.6	95	7.8	57	5.3	13.2
4	214	10.8	149	7.0	106	7.0	63	5.4	14.2
6	208	8.0	126	9.9	91	8.5	54	5.9	13.9
8	161	8.0	118	9.6	95	9.3	57	6.6	14.3
10	153	8.6	120	9.8	93	8.9	61	7.0	14.4
12	175	5.9	140	8.4	103	8.0	60	6.1	13.1
14	162	9.3	123	9.3	91	7.7	53	5.6	15.0
16	156	6.9	114	9.1	82	7.5	49	5.1	15.1
18	184	3.9	126	8.0	88	7.5	50	5.2	9.2
20	154	13.7	115	11.6	86	8.8	50	5.9	11.3
22	141	12.1	107	10.2	79	9.0	47	5.9	12.5
MEAN	177	9.5	128	9.0	94	8.0	56	5.7	14.0

JUL.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	167	5.6	121	8.9	86	8.2	51	5.4	13.6
2	128	4.3	97	6.8	73	5.9	44	3.6	19.9
4	151	5.6	111	6.0	80	6.1	46	4.1	15.0
6	165	6.9	119	7.4	87	5.8	54	3.8	24.7
8									
10	126	10.9	94	6.2	73	5.4	45	3.5	24.5
12	132	11.8	105	9.5	81	7.0	51	4.6	31.3
14	159	8.6	104	7.7	74	6.0	46	3.9	23.5
16	126	9.9	106	6.7	85	6.4	52	4.6	18.9
18	145	7.6	105	6.5	81	5.9	51	3.9	12.8
20	133	7.6	102	8.3	75	6.8	45	4.4	7.1
22	114	8.9	85	8.8	67	7.8	42	5.4	8.3
MEAN	141	8.0	104	7.5	78	6.5	48	4.3	18.1

JUL.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	107	13.7	94	11.9	71	9.0	44	6.4	8.5
2	110	15.0	91	10.6	68	9.8	41	6.5	7.9
4	109	15.1	79	9.9	59	8.2	35	5.3	10.3
6	110	8.8	82	7.9	64	7.9	36	5.5	5.3
8	128	9.8	103	9.5	82	9.9	49	7.1	6.2
10	202	10.7	94	9.3	69	8.5	40	6.3	4.0
12	93	11.4	73	9.1	56	8.0	34	5.4	3.1
14	97	14.5	78	10.9	60	8.7	37	5.9	3.2
16	98	11.2	74	9.3	57	6.9	33	4.0	3.2
18	86	13.5	75	10.0	61	8.4	38	5.6	-0.2
20	113	7.2	80	7.5	62	6.5	41	4.8	1.8
22	84	12.9	75	11.0	60	8.5	36	5.7	2.9
MEAN	111	12.0	83	9.7	64	8.4	39	5.7	4.7

JUL.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	81	9.3	68	8.9	55	8.0	35	5.7	7.8
2	81	12.4	63	8.4	49	6.8	31	4.6	5.1
4	80	9.6	71	9.1	55	7.6	33	4.7	7.0
6	104	8.7	81	9.3	63	8.0	38	5.7	7.0
8	103	9.4	85	9.1	64	8.6	37	5.6	7.0
10									
12									
14									
16									
18	103	9.1	85	7.4	65	6.8	41	4.3	17.2
20	98	9.4	79	7.9	61	6.5	36	4.2	16.0
22	120	5.1	101	5.1	82	4.9	54	3.8	29.2
MEAN	96	9.1	79	8.1	62	7.1	38	4.8	12.0

JUL.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	191	4.8	127	4.9	99	4.7	63	3.7	27.1
2	278	8.1	215	8.1	174	7.0	103	4.9	24.2
4	304	7.4	228	7.4	184	7.3	119	5.8	27.1
6	225	9.3	185	8.3	152	7.8	95	5.6	26.6
8	191	6.4	167	6.8	139	6.2	87	4.6	26.7
10	185	6.4	158	8.3	134	6.9	83	5.1	26.3
12	239	4.9	186	9.0	146	7.1	88	5.3	27.5
14	254	8.5	183	5.9	140	5.9	87	4.7	29.8
16	262	7.5	192	7.8	140	6.9	79	4.4	23.2
18	262	10.4	210	9.5	165	8.1	99	5.5	26.9
20	304	12.1	220	8.8	179	7.6	109	5.8	19.5
22	248	8.1	224	8.5	182	7.7	106	5.9	26.0
MEAN	245	7.8	191	7.8	153	6.9	93	5.1	25.9

JUL.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	258	11.1	205	8.5	149	7.6	88	5.3	25.4
2	245	10.3	198	8.6	152	8.2	92	5.8	25.4
4	249	7.0	175	8.4	132	6.9	78	4.6	23.9
6	256	9.3	195	8.4	138	7.9	80	5.8	27.4
8	206	9.9	173	7.7	143	6.3	91	5.0	19.0
10	218	7.2	171	7.7	142	8.0	86	5.8	20.8
12	215	9.1	178	10.0	154	8.4	95	6.4	23.3
14	303	10.0	212	8.6	161	8.0	92	5.4	11.8
16	224	8.5	183	8.8	144	7.9	84	5.6	22.1
18	245	10.3	198	9.8	153	8.2	87	5.4	18.1
20	261	10.0	206	10.0	151	8.4	81	5.5	20.5
22	280	11.9	244	10.3	188	9.1	104	6.3	13.3
MEAN	247	9.5	195	8.9	151	7.9	88	5.6	20.9

JUL.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	287	10.4	247	9.3	189	8.7	110	6.5	9.1
2	240	8.5	177	9.5	136	8.1	77	5.5	19.7
4	313	10.3	221	9.5	168	8.8	93	6.1	16.7
6	258	6.5	215	8.5	172	8.4	100	5.8	15.2
8	260	10.5	171	7.5	127	6.6	76	4.6	18.5
10	208	4.4	174	7.8	133	6.8	79	5.3	13.9
12	199	8.7	168	8.1	135	7.4	77	4.9	10.3
14	207	9.9	160	8.5	126	7.8	74	5.4	9.1
16	218	10.2	169	7.6	131	6.6	81	5.1	0.8
18	175	7.0	151	7.3	126	6.9	77	5.1	-0.2
20	296	5.9	185	7.3	130	6.6	75	4.5	7.1
22	159	9.0	135	8.5	114	7.8	75	6.1	8.5
MEAN	235	8.4	181	8.3	141	7.5	83	5.4	10.7

JUL.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	8.3	146	8.3	117	7.3	71	5.2	4.3
2	180	6.5	145	7.8	119	7.3	82	5.8	4.6
4	191	8.8	151	7.5	120	6.8	75	5.0	6.1
6	351	7.9	241	7.1	166	7.2	101	6.2	12.8
8	322	8.6	203	7.0	158	6.8	96	5.4	5.8
10	237	6.1	189	7.5	161	7.2	108	6.1	8.5
12	207	8.6	181	8.9	152	7.9	96	5.9	-1.0
14	232	7.3	206	7.8	167	7.9	103	6.4	2.5
16	343	4.4	217	7.3	151	7.5	84	5.9	0.9
18	247	8.8	183	9.3	138	8.3	81	6.0	1.9
20	186	4.4	156	7.4	124	7.8	75	5.6	11.0
22									
MEAN	244	7.2	183	7.8	143	7.5	88	5.8	5.2

JUL.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	249	8.5	213	8.9	166	8.8	105	7.1	6.5
2	219	8.3	164	8.0	124	7.5	76	5.8	7.7
4	254	8.0	186	8.8	142	8.6	80	6.4	8.8
6	209	8.8	167	8.3	124	8.0	73	5.5	6.2
8									
10	320	10.3	216	7.4	155	7.8	88	6.1	6.7
12	187	6.6	159	7.1	131	7.1	77	5.2	7.9
14	237	10.3	197	9.3	154	8.0	89	6.2	11.6
16	238	10.1	181	8.5	136	8.4	84	6.5	8.4
18	200	6.1	135	6.9	103	6.4	61	4.3	10.4
20	204	6.7	141	8.1	102	7.0	59	4.8	9.2
22	143	8.7	116	8.7	92	7.9	55	6.1	9.4
MEAN	224	8.4	170	8.2	130	7.8	77	5.8	8.4

JUL.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	10.6	125	8.4	93	7.3	53	4.9	10.3
2	135	8.8	113	8.8	90	8.7	51	6.1	7.7
4	137	8.8	111	8.6	90	9.2	54	6.4	7.9
6	151	6.2	106	7.3	79	5.8	51	3.9	24.3
8	161	9.8	126	8.6	96	7.6	57	5.1	19.4
10	199	9.4	148	9.1	117	8.3	68	5.7	14.2
12	164	3.8	132	7.4	98	6.6	59	4.6	10.0
14									
16	132	12.0	105	9.2	80	8.9	47	5.8	9.2
18									
20									
22	109	9.4	94	8.8	76	8.3	45	5.5	12.0
MEAN	149	8.8	118	8.5	91	7.9	54	5.3	12.8

JUL.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	9.5	101	8.8	77	7.3	45	4.4	10.4
2	129	8.3	100	9.6	77	7.9	43	5.1	9.1
4									
6	145	8.8	110	8.5	89	8.1	51	5.8	5.9
8	107	10.6	95	9.4	79	8.0	47	5.5	8.2
10	157	8.3	115	8.8	87	8.0	51	5.5	8.7
12	119	11.3	111	9.4	85	8.5	49	5.9	8.3
14									
16									
18	134	10.3	111	9.9	83	9.6	48	6.3	8.3
20	112	11.6	92	10.4	74	8.6	44	6.1	8.7
22	156	10.8	113	10.3	81	9.5	47	6.8	6.4
MEAN	131	9.9	105	9.5	81	8.4	47	5.7	8.2

JUL.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	300	12.9	144	10.6	103	9.8	60	7.0	7.9
2	123	7.7	104	9.8	80	8.6	47	5.6	6.1
4	140	9.9	120	9.5	96	9.1	56	6.8	2.7
6	136	8.4	117	9.3	88	9.0	53	6.9	2.3
8	133	11.0	94	9.2	74	7.9	43	4.9	1.7
10	121	10.4	100	10.5	82	9.3	53	6.8	4.0
12	114	8.3	98	8.9	76	9.1	43	6.1	3.9
14	138	10.1	97	7.2	74	6.4	45	4.1	2.5
16	167	12.8	129	10.3	90	9.1	50	5.9	0.5
18	128	9.8	102	9.6	79	8.6	45	5.3	0.7
20	139	9.7	111	10.5	85	9.7	48	6.8	1.1
22	117	13.0	102	11.3	81	10.4	45	6.6	1.3
MEAN	146	10.3	110	9.7	84	8.9	49	6.1	2.9

JUL.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	131	11.3	105	10.5	77	9.8	48	7.1	0.4
2	135	8.8	99	8.6	74	9.0	42	5.9	3.0
4	136	12.3	104	9.9	80	8.9	47	6.8	3.7
6	168	11.6	104	8.0	78	7.3	48	5.1	-0.5
8	147	12.0	111	10.3	84	9.4	48	6.0	3.1
10	96	7.8	84	9.3	66	9.1	40	6.4	1.0
12	125	7.8	91	8.5	67	6.8	40	4.6	1.4
14	128	10.5	110	10.1	81	9.3	47	5.9	0.9
16	116	9.9	94	10.3	71	8.4	40	5.5	-2.5
18	133	10.8	105	9.6	79	8.8	43	5.6	-2.0
20	122	11.0	96	10.3	72	9.1	42	6.1	-2.7
22	119	11.1	105	10.6	84	10.0	50	7.4	-0.3
MEAN	130	10.4	101	9.7	76	8.8	45	6.0	0.5

JUL.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	151	12.6	127	11.0	99	10.2	57	7.9	2.8
2	136	11.3	104	8.8	79	7.3	49	4.9	1.6
4	197	9.7	128	8.8	91	9.4	49	6.9	2.8
6	141	9.0	107	9.8	87	10.5	54	7.5	2.4
8	121	11.5	90	8.8	67	8.1	42	5.3	1.9
10									
12	121	13.7	90	10.8	65	9.8	38	6.4	1.8
14	162	11.3	101	9.5	75	8.8	40	5.1	-1.9
16	169	6.6	91	6.1	67	5.6	41	3.6	1.2
18	116	11.0	95	9.3	79	9.3	49	6.4	-3.2
20	142	10.7	95	11.1	71	10.4	39	6.3	-0.6
22	114	8.2	84	10.3	68	9.8	41	6.8	1.0
MEAN	143	10.5	101	9.5	77	9.0	45	6.1	0.9

JUL.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	9.2	92	10.9	68	11.3	38	7.1	2.5
2	110	6.3	74	8.1	55	6.8	35	4.6	2.0
4									
6	190	8.4	100	11.2	68	10.8	40	7.2	4.7
8	121	10.9	86	10.5	68	10.6	42	7.6	3.4
10	124	11.4	102	11.2	75	10.8	41	7.3	2.7
12	104	7.4	85	8.1	66	7.2	42	5.3	1.8
14	110	11.1	75	10.4	57	9.1	31	5.3	-3.5
16	108	8.0	76	7.9	55	6.4	34	4.1	-1.2
18									
20	99	9.4	81	10.6	67	9.9	37	6.2	-2.1
22									
MEAN	121	9.1	86	9.9	64	9.2	38	6.1	1.1

JUL.31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	121	12.5	95	11.9	71	11.5	40	7.3	2.9
4	121	11.5	81	11.6	60	10.7	33	6.8	3.2
6	104	7.4	83	9.8	64	10.1	40	7.3	1.3
8	97	13.2	88	12.0	67	10.4	38	6.9	0.5
10	87	10.0	71	10.3	55	9.5	33	6.4	2.9
12									
14	83	11.7	73	10.3	55	9.2	30	5.2	-6.1
16	98	10.5	76	10.3	55	7.9	32	4.6	-13.1
18	92	10.8	72	9.9	53	8.0	31	4.8	-13.4
20									
22									
MEAN	100	10.9	80	10.8	60	9.7	35	6.2	-2.7

AUG. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	10.8	71	10.3	58	10.0	35	6.8	2.5
2	83	9.3	69	9.7	51	9.8	28	6.4	2.5
4	96	7.6	78	9.6	58	9.6	34	6.6	1.4
6	76	10.0	64	10.1	53	9.4	32	6.4	-1.9
8	120	13.0	85	10.5	63	8.9	36	6.1	1.4
10	127	10.3	76	10.1	53	8.2	29	4.9	1.1
12	88	11.3	74	11.0	60	9.8	33	5.8	-2.5
14	83	9.8	71	10.3	55	9.1	31	5.8	-3.1
16	103	6.7	77	10.6	60	10.0	34	6.4	1.6
18	95	9.8	67	10.3	49	8.7	29	5.6	0.1
20	87	8.2	69	8.1	51	7.6	31	5.1	-0.3
22	128	11.9	93	10.5	70	9.9	38	6.5	1.6
MEAN	99	9.9	75	10.1	57	9.2	33	6.0	0.4

AUG. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	91	10.3	69	10.3	52	8.8	31	5.8	-3.4
2	125	9.3	93	10.1	67	8.5	38	5.6	-3.3
4	104	6.6	80	7.9	61	7.1	36	4.4	0.4
6	153	10.9	107	9.8	77	8.5	44	5.6	-2.0
8	117	8.1	90	8.3	66	7.1	39	4.4	-0.5
10	129	8.6	98	8.8	75	8.6	45	5.7	0.3
12	140	9.6	101	8.0	78	8.0	47	5.4	-1.6
14	121	9.7	96	8.9	74	8.0	43	5.3	-2.1
16	123	10.0	104	8.2	81	8.1	50	5.7	-0.9
18									
20									
22									
MEAN	123	9.2	93	8.9	70	8.1	41	5.3	-1.5

AUG. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	112	7.9	96	9.3	79	8.0	49	6.1	-2.1
6	112	8.8	89	7.8	72	7.1	45	5.3	-1.2
8									
10	138	7.5	104	9.0	83	7.4	50	5.1	-0.7
12	136	10.0	104	7.9	82	7.6	50	5.4	0.0
14	155	8.8	111	9.6	88	8.5	50	5.6	-0.4
16	126	8.9	99	7.9	76	6.9	46	4.6	-1.7
18	119	8.6	99	8.9	82	8.1	53	6.4	-2.6
20	145	5.5	110	7.9	86	7.9	53	5.6	1.4
22	135	10.5	112	9.3	89	7.8	50	5.3	0.5
MEAN	131	8.5	103	8.6	82	7.7	50	5.5	-0.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	4.1986 THETA (DEG)
0	180	11.8	124	9.5	96	8.9	57	5.9	0.7
2	235	13.9	147	10.3	113	10.3	64	6.7	9.8
4	243	12.2	189	11.3	143	9.8	82	7.1	0.9
6	246	8.3	212	9.4	168	8.6	91	6.2	2.5
8	245	10.6	202	11.4	152	8.9	85	6.0	5.1
10	214	9.2	173	7.2	132	6.5	75	4.6	6.0
12	257	7.6	190	6.9	146	6.2	87	4.8	11.9
14	251	11.2	217	6.9	174	7.6	101	5.3	2.4
16	257	9.1	210	7.1	171	6.4	111	4.8	-7.0
18	346	9.0	252	7.8	212	7.1	135	5.3	0.8
20									
22									
MEAN	247	10.3	192	8.8	151	8.0	89	5.7	3.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	7.1986 THETA (DEG)
0	144	6.3	130	8.1	102	7.7	62	5.8	13.3
2	179	8.6	148	8.9	110	9.8	64	7.3	8.7
4	140	6.7	123	8.5	101	9.0	64	7.1	9.3
6	171	9.3	144	10.1	114	9.7	69	7.4	7.9
8									
10	252	8.9	193	9.4	146	8.6	87	6.9	10.3
12	217	10.9	184	9.6	132	8.8	76	6.4	9.9
14	150	9.9	127	9.8	102	8.6	60	5.8	5.6
16	185	15.4	160	11.3	127	10.4	73	6.6	11.8
18	233	11.7	203	11.8	151	10.9	84	7.4	8.7
20	272	10.1	188	9.2	125	7.7	72	4.8	6.8
22	335	12.8	234	12.2	168	10.9	99	8.3	4.5
MEAN	207	10.1	167	9.9	125	9.3	74	6.7	8.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	5.1986 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	325	11.6	263	7.7	213	8.5	134	6.4	-1.5
16									
18	339	8.8	298	10.2	250	9.9	154	7.3	1.2
20	313	11.2	279	9.9	232	9.6	145	7.4	5.0
22	312	8.8	262	8.6	215	8.8	129	6.9	4.0
MEAN	322	10.1	276	9.1	228	9.2	141	7.0	2.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	8.1986 THETA (DEG)
0	219	13.3	181	11.3	146	10.1	82	7.7	5.9
2	275	15.5	211	11.9	161	11.6	94	8.8	8.1
4	201	11.9	179	11.7	144	10.5	80	7.2	8.6
6	233	11.1	196	11.2	162	11.0	98	8.5	10.0
8	182	13.7	149	13.8	121	11.0	71	8.3	1.2
10	243	11.4	188	10.4	138	9.7	75	6.9	5.6
12	229	12.8	187	10.5	148	11.3	81	7.5	5.7
14	211	7.4	162	8.7	118	7.6	67	5.0	6.5
16	161	11.6	123	9.8	86	7.9	47	4.8	6.6
18	173	11.6	141	11.1	105	10.5	59	7.3	6.9
20	167	12.0	135	11.1	107	10.3	61	6.8	6.1
22	178	10.6	139	9.3	101	8.0	59	5.5	5.9
MEAN	206	11.9	166	10.9	128	10.0	73	7.0	6.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	6.1986 THETA (DEG)
0	235	10.5	189	8.3	144	7.6	85	5.4	7.0
2	310	7.8	210	9.8	152	9.3	89	7.4	6.9
4	234	8.4	198	10.3	164	9.3	108	8.1	6.4
6	355	10.8	256	7.9	182	8.4	105	7.0	17.4
8	241	4.4	211	7.7	169	8.5	101	7.4	5.6
10	239	10.8	196	8.8	155	8.7	93	6.6	2.5
12	260	9.8	203	9.1	152	8.9	90	6.6	1.9
14	206	6.2	148	7.4	106	5.9	66	4.1	5.4
16	192	8.6	155	7.6	121	7.6	72	5.4	8.2
18	154	12.1	129	9.1	107	8.6	66	6.3	9.6
20									
22	148	10.9	128	10.6	106	9.3	61	6.8	8.1
MEAN	234	9.1	184	8.8	142	8.4	85	6.5	7.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	9.1986 THETA (DEG)
0	264	10.1	152	9.9	116	9.9	69	7.0	4.6
2	174	10.8	137	9.7	107	9.0	60	6.2	5.7
4	159	9.9	128	9.1	99	9.7	54	6.4	7.5
6	161	8.0	96	7.8	69	6.8	38	3.9	3.1
8	147	14.0	119	9.3	95	9.6	55	6.3	7.4
10	209	8.4	127	9.5	88	8.8	49	5.5	8.8
12	189	6.2	116	6.9	82	5.9	49	4.0	8.3
14									
16									
18	140	12.6	103	10.1	76	9.1	43	5.6	6.4
20	133	10.0	101	8.8	75	8.3	40	4.9	2.5
22	124	10.1	105	10.0	86	9.1	47	6.1	6.6
MEAN	170	10.0	118	9.1	89	8.6	50	5.6	6.1

AUG.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	142	11.8	118	9.8	87	8.9	47	5.3	6.9
2	119	8.3	94	8.3	73	7.3	43	4.3	1.0
4	150	11.0	100	9.8	74	8.5	40	5.3	3.7
6	128	7.9	93	8.4	69	6.8	43	4.4	-1.0
8	98	13.8	82	9.6	64	8.1	41	5.4	5.6
10	110	9.1	71	9.9	54	8.4	31	5.4	7.3
12	100	8.3	86	8.8	70	9.1	41	6.4	5.5
14	119	8.0	89	6.9	66	5.9	39	3.8	6.8
16	87	8.0	78	9.8	65	9.3	39	6.1	0.6
18	103	8.8	71	10.6	56	9.3	34	6.1	-0.3
20									
22	102	15.3	86	10.3	62	9.8	35	6.7	3.8
MEAN	114	10.0	88	9.3	67	8.3	39	5.4	3.6

AUG.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	94	10.9	84	9.5	70	9.7	42	6.8	2.9
2	90	9.3	72	9.8	57	9.4	35	6.9	2.6
4	92	10.9	71	9.5	54	9.3	31	6.3	-0.2
6	92	9.4	79	9.1	58	8.9	34	6.2	-0.5
8	99	8.2	75	7.7	58	7.3	36	5.1	1.7
10	176	5.6	82	8.7	58	8.5	33	5.7	4.1
12	102	10.6	80	8.7	62	7.8	36	4.6	-1.7
14	110	12.7	87	10.3	66	9.5	36	5.9	-2.0
16	115	8.8	88	9.8	69	8.5	39	5.1	-14.2
18									
20	97	9.4	79	9.8	59	8.9	32	5.2	-7.4
22									
MEAN	107	9.6	80	9.3	61	8.8	35	5.8	-1.5

AUG.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	118	9.6	86	7.6	66	7.7	42	5.8	0.4
4	117	9.6	102	10.1	84	9.8	50	7.5	0.0
6	132	6.7	112	9.4	87	9.4	54	7.0	-3.9
8	125	9.7	111	9.8	92	9.4	56	7.6	-2.0
10	128	9.7	97	9.8	76	9.2	43	6.4	-3.5
12	135	9.0	101	7.1	76	6.1	45	4.1	-15.5
14	117	9.3	93	9.0	67	7.1	39	4.6	-12.3
16	137	9.1	111	9.0	87	7.6	55	5.1	-19.9
18									
20	142	10.2	101	9.4	80	9.3	45	6.5	-6.1
22	162	10.3	98	8.0	75	7.2	46	5.3	-1.7
MEAN	131	9.3	101	8.9	79	8.3	48	6.0	-6.4

AUG.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	10.3	101	9.3	75	8.3	45	6.1	-1.1
2	144	10.8	122	10.0	94	9.7	57	7.9	-1.0
4	118	9.0	94	9.5	71	8.4	41	5.3	-1.4
6	139	8.7	122	8.7	104	9.3	65	7.2	-2.1
8	146	9.1	119	9.5	94	9.3	55	6.9	-2.4
10	127	9.4	103	9.8	79	9.1	47	6.3	-6.4
12	166	8.8	132	10.0	91	9.3	49	5.8	-7.0
14	168	9.8	112	7.3	82	6.0	51	3.5	-18.7
16	105	10.8	88	9.5	72	8.1	44	5.4	-14.9
18	182	10.5	124	9.2	88	8.9	49	5.5	-9.0
20	133	11.1	104	9.6	81	9.1	48	6.3	-5.9
22	166	10.3	122	10.3	88	9.8	49	6.8	-3.4
MEAN	143	9.9	112	9.4	85	8.8	50	6.1	-6.1

AUG.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	152	11.4	97	10.5	75	9.6	42	6.4	1.2
2	138	4.4	111	9.3	84	9.5	47	6.4	-1.6
4	135	9.8	109	9.2	87	8.6	52	6.1	-0.2
6	159	10.1	110	9.9	83	8.3	49	6.0	-5.9
8	132	11.1	109	9.4	87	9.5	52	6.5	-5.4
10	154	9.9	122	11.1	97	10.3	56	6.9	-4.6
12	129	9.4	104	8.5	76	7.5	44	4.8	-4.9
14	140	10.1	105	9.8	77	7.8	45	5.1	-9.4
16	141	9.3	106	9.3	87	9.0	51	5.9	-6.5
18	151	10.0	97	8.2	70	6.6	41	3.9	-14.1
20	144	8.7	109	9.6	81	9.1	46	5.8	-8.3
22	171	9.9	107	7.9	79	6.8	48	4.4	-7.6
MEAN	146	9.5	107	9.4	82	8.5	48	5.7	-5.6

AUG.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	130	8.5	107	10.0	88	9.8	53	6.8	-1.7
2	162	9.1	135	10.9	104	10.6	64	7.6	-1.1
4	158	8.5	117	9.1	92	8.4	54	6.1	-0.5
6	158	8.1	118	8.4	81	8.2	43	4.9	0.3
8	163	13.8	133	10.4	98	8.8	57	6.3	2.2
10	175	9.5	127	10.4	91	9.1	51	6.1	0.5
12	148	12.3	125	9.2	98	9.3	58	6.9	2.5
14	192	11.0	165	11.1	120	10.5	72	8.2	1.1
16	177	12.7	132	10.8	104	10.4	60	7.3	-3.0
18	175	12.0	121	9.0	88	8.1	52	5.2	-7.6
20	141	10.1	125	11.7	97	10.5	56	7.2	-5.8
22	145	9.4	112	9.3	84	8.1	54	5.8	-3.8
MEAN	160	10.4	126	10.0	95	9.3	56	6.5	-1.4

AUG.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	216	9.9	151	11.5	116	10.8	69	8.1	0.6
2	343	5.9	213	10.8	147	9.5	81	7.9	11.9
4	323	14.9	212	11.0	150	10.8	82	7.3	2.0
6	285	12.9	214	12.3	153	10.1	83	7.3	5.1
8	319	8.4	271	8.3	192	8.9	104	7.3	16.2
10	265	12.8	221	11.9	167	10.8	88	7.7	0.5
12	318	13.6	272	12.6	186	11.1	98	7.9	1.9
14	292	14.0	242	13.7	183	12.2	105	9.6	-2.0
16	322	12.6	278	12.0	213	12.3	116	9.1	0.0
18	312	13.1	251	13.8	193	11.8	121	9.2	1.0
20	343	14.6	251	12.2	172	10.6	92	6.6	-0.6
22	343	12.7	289	13.1	216	11.1	116	8.0	-2.1
MEAN	307	12.1	239	11.9	174	10.8	96	8.0	2.9

AUG.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	321	12.9	259	12.3	209	10.6	118	7.6	1.9
2	383	13.6	333	13.6	255	11.0	151	9.6	7.0
4	331	9.6	275	11.1	227	10.8	128	8.5	-2.4
6	331	15.1	271	9.8	217	10.9	133	7.8	-1.4
8	286	13.0	236	13.1	197	10.3	114	7.5	-4.2
10	255	13.9	229	12.0	188	10.3	107	7.4	-5.2
12	262	14.3	235	11.8	192	10.3	109	7.8	-3.3
14	322	11.4	266	11.3	195	10.8	106	7.8	1.8
16	342	16.9	243	11.2	173	9.8	93	6.8	1.8
18	359	9.4	295	11.0	234	10.3	127	7.5	5.0
20	321	16.6	305	12.6	259	11.6	160	8.3	2.9
22	374	11.9	318	11.5	275	11.9	179	9.5	-1.4
MEAN	324	13.2	272	11.8	218	10.7	127	8.0	0.2

AUG.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	412	13.3	371	11.3	297	11.7	179	9.3	5.2
2	394	15.7	356	13.0	303	12.1	176	8.9	0.0
4	336	14.3	293	14.0	245	12.3	146	9.0	-2.7
6	292	11.9	249	11.1	208	10.5	128	7.7	-0.3
8	254	13.8	196	10.9	148	8.9	82	5.3	-2.4
10	229	5.4	204	9.8	170	8.9	104	6.8	-0.2
12	283	9.9	236	11.5	191	9.9	110	6.9	-0.7
14	307	15.7	290	14.3	240	11.3	139	8.2	-3.3
16	341	15.5	291	12.2	241	10.4	135	7.4	1.0
18	389	15.6	317	14.3	258	12.3	159	8.6	-4.1
20	365	12.3	303	12.8	260	10.8	158	7.9	5.0
22	458	14.4	312	12.6	260	11.4	150	8.0	5.2
MEAN	338	13.1	285	12.3	235	10.9	139	7.8	0.2

AUG.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	338	14.2	280	10.8	234	9.4	129	6.3	-3.4
2	419	16.5	348	13.4	285	11.8	181	9.6	0.5
4	390	10.1	332	10.4	252	10.1	148	8.0	8.7
6	361	13.5	291	11.8	236	11.1	139	7.8	-3.3
8	244	11.5	225	13.0	182	11.0	109	7.3	1.0
10									
12	278	13.3	204	12.8	172	10.8	105	7.6	-6.1
14	365	13.8	292	9.5	209	8.8	114	6.6	22.5
16									
18									
20									
22	381	12.6	319	9.3	252	10.2	152	8.1	11.2
MEAN	347	13.2	286	11.4	228	10.4	135	7.7	3.9

AUG.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	388	13.0	324	9.1	239	9.8	146	8.7	25.8
2	404	13.4	334	12.3	250	11.2	144	9.0	5.4
4	355	12.5	313	11.8	237	11.3	131	8.6	-2.5
6									
8	271	11.9	235	12.5	199	10.8	128	8.2	3.8
10	240	14.8	192	12.3	154	9.8	95	7.1	-6.9
12	273	6.4	180	9.9	138	8.0	75	5.3	-6.6
14	268	12.1	238	7.0	196	8.4	119	8.0	5.7
16	332	11.5	293	11.0	230	11.3	129	9.0	-2.8
18	396	10.4	331	11.9	281	11.6	169	9.3	-2.3
20	429	11.6	304	9.7	207	10.7	111	8.3	-19.2
22	306	14.0	248	10.3	198	10.1	121	7.9	18.9
MEAN	333	12.0	272	10.7	212	10.3	124	8.1	1.8

AUG.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	412	9.9	336	8.5	250	10.2	130	8.6	-31.8
2	314	12.2	220	9.8	155	9.0	87	6.3	7.2
4	368	14.4	236	9.5	159	9.0	81	6.1	6.3
6	394	13.3	291	10.4	226	10.1	135	9.2	8.2
8	282	6.2	218	10.0	177	9.8	101	7.4	-9.5
10	283	9.1	193	10.8	152	9.8	87	6.8	5.6
12	207	11.7	190	12.7	167	11.1	109	7.9	-2.6
14	296	5.8	235	7.9	170	8.6	91	6.1	-6.5
16	257	5.8	230	9.8	178	8.3	95	5.8	14.3
18	398	7.9	251	8.3	188	7.3	114	5.4	26.1
20	280	11.8	219	10.6	180	8.5	106	5.8	18.8
22	353	10.9	267	7.6	190	7.9	117	5.9	35.0
MEAN	320	9.9	241	9.7	183	9.1	104	6.8	5.9

AUG.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	265	7.1	188	9.0	145	6.8	89	5.1	24.0
2	264	9.5	222	8.3	177	7.3	103	5.4	29.6
4	281	5.8	225	9.6	179	8.5	107	5.9	19.0
6	245	10.8	197	8.0	146	6.4	84	4.2	18.8
8	363	9.8	293	8.6	198	9.3	114	6.6	32.1
10	266	10.3	183	9.1	139	7.4	81	4.9	23.5
12	412	5.7	216	8.8	164	7.8	100	5.4	32.7
14	302	6.9	196	9.7	158	8.3	95	5.6	18.7
16	242	9.7	215	9.6	174	7.5	104	5.7	16.5
18	271	8.3	237	9.7	175	8.0	99	5.4	20.5
20	291	4.9	208	7.8	157	6.7	89	4.6	19.4
22	297	11.2	233	6.4	180	7.4	104	5.4	25.8
MEAN	292	8.3	218	8.7	166	7.6	97	5.3	23.4

AUG.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	229	11.4	200	10.9	166	9.1	102	6.0	15.8
2	367	6.8	289	8.0	216	8.7	124	6.3	27.9
4	420	10.6	290	8.3	218	8.6	135	6.7	13.9
6	270	9.6	241	9.2	195	8.9	118	6.4	14.5
8	330	10.5	257	9.5	201	8.9	124	6.6	12.6
10	382	12.8	294	9.3	216	9.2	124	6.6	23.0
12	339	10.5	243	12.4	189	9.9	113	6.4	14.9
14	253	9.7	222	11.3	191	10.1	126	6.9	9.9
16	396	11.3	273	8.3	216	9.0	132	6.8	16.5
18	305	10.7	274	10.5	218	9.6	131	6.6	12.8
20	306	11.8	267	10.8	220	9.5	143	7.0	11.8
22	335	12.1	263	10.8	205	10.2	139	7.8	13.0
MEAN	328	10.6	259	9.9	204	9.3	126	6.7	15.5

AUG.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	260	12.0	219	12.5	178	9.8	114	7.1	3.1
2	265	10.7	226	9.6	190	9.5	131	7.4	3.2
4	306	11.0	266	12.3	225	11.9	149	8.3	2.8
6	377	6.8	292	10.5	235	10.1	145	7.3	0.7
8	285	11.3	269	11.1	225	10.1	151	7.5	16.7
10	260	13.4	213	9.1	172	8.6	107	5.8	3.1
12	234	14.5	202	10.8	166	10.3	104	7.1	6.1
14	283	9.0	221	9.6	183	8.9	117	6.9	11.6
16	289	6.3	227	10.0	177	9.0	105	6.1	5.5
18	399	11.0	311	10.3	249	10.2	142	7.1	8.5
20	295	11.9	253	11.1	214	9.8	125	7.0	8.8
22	267	13.9	210	10.8	171	8.8	106	6.2	6.8
MEAN	293	11.0	242	10.6	199	9.7	125	7.0	6.4

AUG.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	4.0	184	9.9	147	9.8	90	6.7	10.4
2	248	10.7	203	10.5	167	11.3	109	7.8	0.4
4	261	13.0	210	10.5	177	9.3	113	6.5	7.9
6	293	9.9	254	11.3	205	9.5	125	7.1	9.6
8	307	12.2	263	8.6	221	9.7	137	7.5	0.8
10	248	6.2	201	7.7	158	7.4	95	5.3	12.0
12	193	8.6	166	9.3	142	8.1	89	6.4	-3.5
14	338	5.4	226	8.8	168	8.6	97	6.1	3.6
16	320	6.2	240	7.8	179	8.0	103	6.4	11.3
18									
20	260	12.3	233	10.0	203	9.4	124	7.3	2.7
22									
MEAN	271	8.8	218	9.4	177	9.1	108	6.7	5.5

AUG.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	188	12.3	158	10.1	127	8.5	77	5.8	-2.1
4									
6	325	6.3	229	8.9	176	9.0	103	7.5	4.0
8	220	9.9	198	10.4	151	8.6	82	6.6	0.2
10									
12	574	8.5	258	7.0	157	7.9	83	5.8	9.4
14	303	9.4	210	9.8	158	8.1	88	6.7	3.9
16	252	5.6	194	9.3	156	9.1	89	6.8	-1.9
18	332	3.7	173	8.4	133	8.5	85	7.1	-1.6
20	233	11.7	177	9.1	139	9.4	81	7.3	0.5
22	275	6.9	175	7.7	123	7.2	71	6.3	5.3
MEAN	300	8.3	197	9.0	147	8.5	84	6.7	2.0

AUG.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	242	5.4	155	8.5	112	7.9	64	6.1	5.6
2	182	6.8	169	8.8	138	7.9	83	6.4	9.5
4	363	5.0	180	7.5	125	7.8	73	6.4	-3.2
6									
8	329	6.3	158	7.7	103	8.4	54	5.4	22.0
10	200	10.8	163	10.1	112	9.3	63	6.6	-1.8
12	204	8.9	168	8.5	121	8.2	70	6.4	5.3
14	220	9.0	151	8.9	108	8.3	63	6.3	-0.7
16	254	11.0	148	9.8	110	8.9	64	6.1	-1.9
18	182	6.6	135	8.6	97	8.5	56	5.6	-0.4
20	184	8.3	130	9.5	101	8.6	60	6.4	-2.7
22	293	4.8	140	7.9	103	8.2	60	6.6	-4.0
MEAN	241	7.5	154	8.7	112	8.4	65	6.2	2.5

AUG.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	215	11.2	137	8.4	100	8.3	61	6.3	2.3
2	234	10.5	159	8.3	119	8.8	68	6.6	-6.0
4	147	9.0	124	8.3	94	7.8	53	5.9	3.2
6	225	5.2	161	7.2	110	8.6	64	6.9	29.7
8									
10	198	10.8	156	9.0	102	9.4	56	6.8	0.8
12	156	9.3	118	8.9	86	8.6	48	6.1	1.8
14	130	10.6	103	7.6	76	6.2	45	3.9	-3.9
16	306	6.1	143	8.8	100	7.8	57	4.9	-12.5
18	268	11.0	144	8.8	97	7.9	53	5.1	-8.8
20	191	10.0	141	9.3	101	9.3	56	6.3	-0.7
22	159	9.5	133	10.8	105	9.9	56	6.6	0.1
MEAN	203	9.4	138	8.7	99	8.4	56	5.9	0.5

AUG.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	204	7.4	141	7.4	102	6.8	61	4.6	0.4
2	311	6.6	183	7.4	126	8.1	71	5.6	21.0
4	230	11.1	194	11.3	139	10.0	75	7.3	5.7
6	285	6.8	215	8.8	140	8.9	74	6.9	8.9
8	262	0.8	169	8.5	121	9.0	63	6.3	2.3
10	190	10.5	125	8.5	89	8.8	49	6.3	-1.3
12	210	10.3	151	10.5	108	10.3	61	7.1	-3.6
14	247	11.5	189	11.3	129	9.8	69	6.9	-1.6
16	152	11.0	121	9.5	94	8.5	53	5.7	-4.7
18	193	11.3	125	8.0	92	8.8	54	6.3	-5.0
20	133	6.9	117	7.8	87	6.9	51	4.5	-6.6
22	239	12.4	132	10.0	95	9.3	56	6.4	-6.6
MEAN	221	8.9	155	9.1	110	8.8	61	6.2	0.7

AUG.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	216	12.8	142	7.9	96	9.0	56	6.6	-3.3
2									
4	167	6.1	132	8.6	97	8.0	56	5.8	-3.4
6	288	11.2	174	10.0	112	8.0	63	5.9	0.5
8	226	11.9	160	8.6	120	6.4	70	5.4	-5.7
10									
12									
14									
16									
18									
20	146	9.5	109	9.1	82	7.9	46	5.4	-10.3
22	145	10.0	120	10.0	85	9.1	47	6.0	-3.5
MEAN	198	10.2	140	9.0	99	8.1	56	5.8	-4.3

AUG.31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	147	7.4	101	9.9	80	9.3	50	6.4	-8.1
2	126	11.1	105	10.8	85	9.4	49	6.4	-4.3
4	194	5.6	134	7.4	94	8.3	55	5.9	1.8
6	164	7.6	122	8.1	90	7.8	53	5.4	-5.6
8	440	3.1	200	6.3	124	6.3	70	5.4	-3.4
10	174	9.8	131	8.3	94	7.3	54	5.6	-0.4
12	271	5.3	128	7.4	83	7.3	48	5.5	-8.4
14	123	9.8	96	8.8	72	7.8	41	5.1	-4.0
16	125	11.5	99	9.3	70	8.2	41	5.6	-3.3
18	104	10.6	84	7.0	65	6.0	41	3.8	-11.5
20	93	4.5	77	8.9	61	7.8	37	5.3	-2.3
22	91	12.4	71	9.9	57	8.9	34	5.6	-7.7
MEAN	171	8.2	112	8.5	81	7.9	48	5.5	-4.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	1.1986 THETA (DEG)
0									
2	118	9.6	98	8.6	80	8.6	46	6.0	-1.1
4									
6	124	8.9	96	8.1	73	7.4	42	5.3	-1.4
8	139	5.6	127	6.9	99	7.2	58	5.3	-0.5
10	124	8.8	101	6.6	74	6.4	43	4.4	-2.8
12									
14									
16									
18	165	11.2	118	7.8	91	6.3	56	4.2	16.7
20	208	8.0	130	5.9	94	5.5	55	3.8	9.0
22	169	6.6	141	7.7	104	6.8	63	4.8	2.9
MEAN	150	8.4	116	7.4	88	6.9	52	4.8	3.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	4.1986 THETA (DEG)
0	276	10.3	252	11.0	212	9.6	128	7.3	-6.0
2	360	11.9	289	9.2	221	9.1	122	7.1	5.0
4	323	10.8	254	8.5	183	8.8	107	7.4	-2.7
6	308	8.8	256	9.6	193	9.4	112	7.6	-3.2
8	246	10.4	189	9.8	142	9.3	84	6.9	-5.3
10	409	9.5	248	8.4	187	8.5	110	6.9	-0.4
12	321	11.7	224	7.0	171	7.6	104	6.6	-1.0
14	193	9.0	161	8.6	119	8.8	63	6.1	0.3
16	160	11.1	130	9.8	99	9.3	58	6.6	-2.5
18	147	10.4	124	9.5	91	9.8	55	7.0	-4.5
20	295	10.3	151	9.3	97	9.2	53	6.4	-1.7
22	160	8.8	137	8.9	105	8.3	59	6.2	-0.7
MEAN	267	10.2	201	9.1	152	9.0	88	6.8	-1.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	2.1986 THETA (DEG)
0	238	9.8	146	7.6	103	6.9	60	4.5	5.6
2									
4	260	6.7	180	6.3	124	5.8	72	4.4	7.8
6	217	10.7	177	9.2	149	7.5	93	5.3	3.4
8									
10	236	10.2	193	10.8	161	9.9	108	7.1	-1.6
12	237	10.5	215	10.8	175	9.9	109	6.8	-5.3
14	297	13.2	268	10.8	217	9.4	135	6.6	-4.0
16	389	6.8	271	10.2	223	10.4	144	7.5	-6.5
18	283	10.9	247	12.0	203	11.1	124	7.2	-2.9
20	298	11.8	235	8.8	188	8.6	117	6.4	-7.3
22	256	10.8	218	9.4	181	8.4	106	6.4	-6.9
MEAN	271	10.1	215	9.6	172	8.8	107	6.2	-1.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	5.1986 THETA (DEG)
0	154	5.6	130	8.1	99	9.3	55	6.4	4.2
2	152	10.0	138	9.3	108	9.0	63	6.8	-2.6
4	156	9.3	113	7.3	85	6.8	52	4.8	3.4
6	169	8.7	122	8.9	93	8.6	54	5.8	1.0
8	224	5.9	112	9.0	84	8.3	50	6.3	3.5
10	160	8.3	97	7.1	70	6.1	41	4.4	-1.5
12	116	7.3	102	9.4	81	8.7	46	6.2	0.9
14	139	11.9	96	9.8	72	9.1	43	6.2	0.1
16	131	11.2	94	10.8	66	9.2	38	6.0	2.4
18	141	10.2	106	9.4	75	9.1	44	6.0	5.1
20	136	8.1	103	9.1	76	7.8	42	4.7	17.9
22	213	9.3	148	9.8	110	8.1	62	5.6	5.6
MEAN	158	8.8	113	9.0	85	8.3	49	5.8	3.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	3.1986 THETA (DEG)
0	326	12.1	266	11.8	219	10.5	136	7.3	-5.6
2	348	6.4	265	10.6	216	9.4	132	7.0	-4.3
4	295	12.8	256	10.8	220	9.6	142	7.4	-6.2
6	259	5.9	213	9.1	178	9.0	106	6.3	-2.6
8	245	7.2	194	10.0	160	9.1	105	7.1	-6.9
10	203	2.9	177	10.8	149	9.2	93	6.6	-6.1
12	323	4.9	218	8.6	178	9.4	112	6.5	-6.1
14	273	10.4	248	10.8	213	9.5	133	7.2	-6.4
16	408	10.2	331	7.7	250	7.9	147	6.4	3.9
18	345	6.9	281	7.8	225	8.3	135	6.5	-1.4
20	377	8.9	264	9.6	216	9.0	126	6.4	-7.0
22	490	10.3	318	11.1	238	10.8	145	8.1	-9.9
MEAN	324	8.2	253	9.9	205	9.3	126	6.9	-4.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	6.1986 THETA (DEG)
0	266	3.8	148	9.2	107	8.8	60	6.4	7.5
2	147	10.9	104	9.3	80	8.4	48	5.8	5.7
4	156	8.8	120	8.9	95	8.7	55	5.8	12.7
6	142	10.4	113	9.6	93	9.7	55	6.4	10.2
8	204	10.8	155	10.2	112	9.8	62	6.8	14.4
10	195	10.1	143	8.9	106	8.0	60	6.1	9.0
12	171	6.4	129	7.3	100	7.8	58	6.1	12.4
14	249	5.5	157	7.3	115	8.0	64	5.9	11.1
16	169	11.3	118	9.2	87	8.3	49	5.6	9.8
18	161	9.8	116	9.6	87	9.3	52	6.6	5.9
20	160	10.8	138	10.2	106	9.8	63	7.1	6.9
22	228	9.1	187	9.1	140	9.5	80	7.3	13.8
MEAN	187	9.0	136	9.1	102	8.8	59	6.3	9.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 7.1986 TMEAM (SEC)	THETA (DEG)
0	208	11.6	178	9.8	145	9.3	82	6.4	13.3
2	247	9.4	170	10.0	123	8.5	69	5.8	17.8
4	206	8.6	143	9.6	110	9.7	64	7.0	15.9
6	221	10.9	158	10.2	111	9.9	67	7.8	12.2
8	229	10.0	162	10.4	121	10.0	70	7.5	11.9
10	307	11.1	221	9.4	153	9.8	84	7.3	15.7
12	225	10.3	194	10.2	145	9.5	82	7.0	18.5
14	200	9.9	154	10.1	115	8.3	66	6.0	10.6
16	142	11.0	123	9.9	96	9.3	56	6.8	3.8
18	157	10.5	111	8.1	82	7.3	49	4.9	8.6
20	260	8.6	162	9.8	119	9.5	71	8.0	11.9
22									
MEAN	218	10.2	161	9.8	120	9.2	69	6.8	12.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP.10.1986 TMEAM (SEC)	THETA (DEG)
0	177	11.5	130	6.9	98	6.8	58	4.8	17.6
2	212	9.6	149	9.2	106	7.6	61	5.4	13.6
4									
6	129	10.3	101	8.9	81	8.3	50	6.2	12.1
8	143	11.0	121	10.5	90	10.3	50	6.5	9.1
10	164	12.3	128	10.0	95	9.1	53	6.1	10.6
12	152	11.2	110	10.1	84	8.6	47	5.5	8.9
14	128	10.8	104	8.9	75	7.9	43	4.8	8.5
16	143	8.9	110	8.4	74	6.8	44	4.6	7.4
18	127	9.1	95	9.8	71	8.0	41	4.8	11.6
20	117	9.9	98	9.3	73	8.0	42	4.9	12.7
22	109	10.4	86	9.8	66	8.1	38	4.9	7.1
MEAN	146	10.5	112	9.3	83	8.1	48	5.3	10.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 8.1986 TMEAM (SEC)	THETA (DEG)
0	227	9.5	170	9.4	124	8.4	68	5.4	23.5
2	264	11.3	154	10.3	110	8.8	60	6.3	14.4
4	165	9.8	149	10.0	116	10.3	65	7.7	10.0
6									
8	145	10.8	119	10.2	103	9.5	62	7.0	9.0
10	174	8.6	140	9.5	109	9.7	61	6.8	9.7
12	189	11.0	138	9.1	105	7.8	62	5.3	18.3
14	175	9.2	115	9.7	82	8.0	46	4.9	20.6
16	194	10.0	131	8.8	101	7.9	58	5.1	15.2
18	196	9.5	135	9.5	102	8.3	59	5.3	26.1
20	171	13.3	126	8.8	93	7.9	57	5.0	17.1
22	222	6.6	154	7.5	107	6.8	59	4.3	10.9
MEAN	193	10.0	139	9.3	105	8.5	60	5.7	15.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP.11.1986 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6	102	11.1	90	11.3	65	8.9	38	5.8	10.6
8	99	11.3	78	9.3	58	7.8	35	4.8	11.0
10	95	11.8	79	10.4	61	8.3	34	5.1	12.6
12	113	13.3	77	9.7	56	7.3	34	5.0	16.2
14	93	10.5	76	8.7	56	7.4	32	4.8	14.2
16	101	9.7	81	9.4	61	8.0	36	5.5	17.1
18	90	12.7	72	9.6	56	8.0	33	5.3	21.0
20	78	8.4	67	9.5	54	9.0	31	5.8	13.4
22	80	8.8	60	8.1	46	6.0	27	3.7	11.7
MEAN	95	10.8	76	9.6	57	7.9	33	5.1	14.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 9.1986 TMEAM (SEC)	THETA (DEG)
0	186	9.1	127	7.9	95	7.8	55	5.4	14.9
2	215	8.5	147	10.3	102	8.8	54	5.8	10.8
4	172	10.7	125	8.2	92	7.4	54	5.0	15.4
6	219	10.8	151	9.4	111	7.4	67	4.9	20.6
8	207	8.6	161	7.8	126	6.7	79	4.6	28.5
10	215	6.7	163	7.0	122	6.1	78	4.5	24.1
12	249	6.2	165	7.9	122	7.0	73	4.8	26.0
14	187	5.7	159	7.8	124	6.9	75	4.9	23.5
16									
18	140	6.4	101	6.6	79	5.6	49	3.6	30.4
20	179	9.3	128	7.3	101	6.1	62	4.3	21.2
22	200	9.9	134	7.3	104	6.4	66	5.1	21.6
MEAN	197	8.4	142	8.0	107	6.9	65	4.8	21.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP.12.1986 TMEAM (SEC)	THETA (DEG)
0	86	11.1	69	8.9	55	8.1	34	5.6	4.2
2	98	8.8	80	9.2	60	7.8	34	4.9	10.0
4	118	11.0	78	6.1	61	4.9	40	3.3	5.7
6	103	9.7	81	7.9	64	6.3	41	4.3	11.2
8	100	5.4	79	7.0	62	6.0	38	3.9	9.2
10	132	7.4	86	7.5	67	6.5	40	4.3	10.3
12	93	8.3	79	8.3	60	6.6	37	4.3	3.1
14	115	8.9	82	8.1	62	7.1	34	4.5	5.3
16	110	9.8	80	7.5	60	6.6	35	4.1	7.1
18	97	9.3	75	7.1	55	5.7	33	3.6	9.9
20	136	7.4	75	7.7	57	6.3	33	3.8	8.9
22	83	7.5	69	6.8	57	5.8	36	3.8	4.3
MEAN	106	8.7	78	7.7	60	6.5	36	4.2	7.4

SEP.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	103	9.4	74	6.9	59	5.8	36	3.8	11.3
2	107	10.5	81	8.4	65	7.9	38	4.9	4.7
4	102	9.5	76	8.4	61	7.3	40	4.9	-1.1
6	110	7.5	78	8.4	59	7.6	37	5.4	6.4
8	102	8.8	78	8.8	61	9.1	37	6.1	4.8
10	110	6.1	77	6.3	59	5.3	38	3.4	6.3
12	89	8.7	78	8.9	63	7.4	38	5.1	5.6
14	127	9.6	100	9.1	76	7.9	46	5.5	8.5
16	131	10.4	99	8.8	71	6.9	41	4.3	12.9
18									
20									
22									
MEAN	109	8.9	82	8.2	64	7.2	39	4.8	6.6

SEP.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	170	9.8	115	7.9	83	6.2	51	4.0	15.8
20	309	5.4	172	9.0	126	8.4	70	5.7	12.8
22	152	8.9	129	8.3	101	7.5	57	4.8	15.8
MEAN	210	8.0	139	8.4	103	7.4	59	4.8	14.8

SEP.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	137	10.3	111	8.6	89	7.6	56	5.6	13.6
2	155	8.3	136	8.6	103	7.9	61	6.0	14.5
4									
6	170	5.9	135	8.9	104	8.0	62	6.3	11.8
8	168	8.5	123	8.3	86	7.9	50	5.6	8.3
10	178	10.5	129	8.8	93	8.6	55	6.1	9.4
12	126	8.5	112	8.8	87	8.6	52	6.5	10.4
14	124	9.9	96	8.6	73	8.0	43	5.6	6.7
16	99	9.0	85	8.9	72	8.6	45	6.7	9.7
18	125	9.0	112	8.8	79	8.8	46	6.3	6.9
20	128	9.0	101	9.6	79	9.2	46	6.6	9.5
22	125	10.7	99	8.8	78	8.8	50	6.8	4.9
MEAN	140	9.1	113	8.8	86	8.4	51	6.2	9.6

SEP.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	7.1	100	8.1	79	6.8	47	4.5	18.1
2	199	4.3	108	6.9	78	5.6	47	3.8	32.9
4	189	9.8	112	6.3	79	5.6	48	3.8	31.2
6	154	4.1	128	6.6	98	6.1	60	4.4	32.2
8	177	8.5	138	5.6	100	5.3	60	4.0	28.1
10									
12	190	3.3	140	4.9	111	5.1	70	4.1	26.6
14	193	5.6	147	5.4	114	4.9	70	3.8	29.2
16	179	6.3	141	5.8	111	5.4	69	4.1	28.1
18	166	4.4	135	5.5	110	5.6	70	4.3	24.0
20	292	4.7	136	6.4	106	5.4	65	3.6	23.6
22	184	4.6	142	6.6	113	5.7	70	4.5	22.5
MEAN	186	5.7	130	6.2	100	5.6	61	4.1	27.0

SEP.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	231	10.5	150	6.6	113	6.3	69	4.4	16.3
2	304	5.8	160	6.6	119	5.9	74	4.4	24.7
4									
6	250	9.1	157	6.4	115	5.4	68	4.1	21.5
8	247	5.1	169	7.3	131	6.8	79	4.9	17.0
10									
12	210	9.6	149	7.4	115	6.1	71	4.4	19.6
14	189	8.3	157	7.0	120	5.9	76	4.3	22.6
16	248	8.4	162	6.8	130	6.3	80	4.6	22.0
18	183	3.3	152	7.1	121	7.0	73	4.7	20.9
20	201	8.0	169	8.1	125	7.8	73	5.3	9.7
22	333	9.6	210	8.5	149	8.2	86	6.3	-6.2
MEAN	240	7.8	164	7.2	124	6.6	75	4.7	16.8

SEP.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	9.3	153	9.0	120	8.5	72	6.3	1.9
2	338	5.3	227	7.6	174	8.5	112	7.5	-6.9
4	212	5.4	182	8.0	147	8.2	99	7.6	-1.6
6	204	9.1	186	8.3	148	8.2	92	6.9	4.0
8	351	7.5	213	8.3	153	8.1	92	7.2	-1.3
10	222	10.3	178	9.1	134	7.8	78	5.5	6.4
12	309	9.5	221	8.1	162	8.8	98	6.9	1.0
14	270	7.4	198	8.8	159	8.8	95	6.8	-3.4
16	208	8.7	164	8.4	121	7.9	67	5.5	1.9
18	231	8.9	156	9.1	112	8.2	67	5.8	-9.2
20	319	10.8	215	8.8	157	8.6	92	6.8	-1.1
22	228	4.3	187	8.1	140	8.4	84	6.4	4.6
MEAN	259	8.0	190	8.5	144	8.3	87	6.6	-0.3

SEP.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	9.3	169	9.3	132	7.8	77	5.6	0.9
2									
4									
6									
8	210	10.6	145	7.9	113	7.3	69	5.0	12.3
10	195	7.8	148	7.4	102	6.4	57	4.2	9.3
12	216	9.2	158	8.2	124	7.7	73	5.4	9.1
14	284	5.1	148	8.6	112	8.3	66	5.7	13.3
16	174	8.0	137	8.4	99	8.1	56	5.8	5.8
18	154	7.5	130	8.9	102	8.9	61	6.5	7.0
20	136	10.4	107	7.8	82	7.8	51	6.1	4.2
22	170	7.3	130	8.4	99	8.6	59	6.3	5.9
MEAN	193	8.4	141	8.3	107	7.9	63	5.6	7.5

SEP.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	156	7.7	129	8.7	100	8.3	59	5.5	3.8
2	170	12.5	150	10.0	121	8.9	74	6.9	5.3
4	206	10.8	123	8.4	96	7.5	57	4.9	5.5
6	173	8.8	124	7.9	91	6.3	55	3.8	13.9
8	284	8.3	127	9.5	90	7.1	53	4.6	20.0
10	179	8.8	125	7.3	91	6.3	56	4.2	17.2
12	198	4.4	136	6.8	99	6.1	58	4.3	11.4
14	184	8.6	123	8.3	93	6.6	56	4.5	11.3
16	158	9.4	111	7.2	84	5.8	52	4.1	7.9
18	305	3.0	128	5.6	94	5.3	59	3.8	7.7
20	309	6.8	154	6.8	112	5.8	67	4.1	12.6
22	325	3.3	141	4.7	105	5.3	64	4.1	14.8
MEAN	221	7.7	131	7.6	98	6.6	59	4.6	10.9

SEP.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	280	5.4	165	6.1	111	6.2	63	4.4	18.1
2	163	6.9	127	7.1	98	5.9	61	4.4	11.2
4	137	5.2	102	6.3	77	5.7	50	4.1	9.3
6	167	8.8	92	5.1	71	4.1	44	2.8	8.3
8	113	8.9	82	5.8	65	5.1	42	3.6	16.6
10	141	5.1	109	6.7	84	5.6	51	4.0	13.1
12	120	4.5	90	5.3	73	5.8	45	4.1	13.7
14	118	7.6	98	6.7	79	6.8	47	4.5	12.5
16	123	5.4	92	7.5	74	7.0	47	5.1	4.8
18	96	7.1	83	7.3	69	7.3	44	5.1	6.1
20	138	7.8	100	7.1	74	6.6	45	5.3	7.1
22	127	8.0	95	8.1	76	7.1	48	5.6	5.5
MEAN	144	6.7	103	6.6	79	6.1	49	4.4	10.5

SEP.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	89	6.9	75	6.4	61	6.6	38	5.2	2.9
2	123	5.6	96	6.9	76	6.6	48	5.2	-7.8
4	91	7.4	69	7.3	56	6.8	33	4.9	-13.6
6	178	6.3	88	7.1	59	6.6	35	4.6	-13.5
8	88	9.0	72	7.8	55	7.4	34	5.3	-12.2
10	77	8.5	66	8.0	49	6.4	29	4.1	-5.4
12	133	7.8	98	7.2	72	6.8	42	4.5	-5.5
14	118	5.9	91	6.5	71	6.4	43	4.5	-11.7
16									
18	113	7.8	91	7.1	74	6.3	47	4.3	-15.0
20	121	6.7	93	7.2	74	6.1	46	4.3	8.8
22	127	6.1	100	6.9	79	5.9	50	4.1	13.6
MEAN	114	7.1	85	7.1	66	6.5	40	4.6	-5.4

SEP.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	5.1	108	6.9	79	6.7	47	4.8	14.1
2	127	9.4	94	8.0	72	6.7	44	4.9	11.9
4	127	8.6	107	9.3	86	8.7	49	5.7	7.6
6	155	10.9	128	11.0	98	9.9	58	6.7	8.1
8	139	9.9	118	9.8	95	9.1	54	5.6	11.1
10	125	9.3	94	9.9	67	7.9	39	4.6	12.4
12	124	9.0	88	7.7	65	6.3	37	3.6	2.4
14	141	9.8	108	7.6	84	7.9	52	5.6	0.2
16	158	10.8	125	10.2	90	9.1	52	6.3	3.1
18	137	11.4	122	9.8	98	9.7	56	6.3	2.0
20	220	10.5	133	10.0	96	9.6	54	6.0	-0.7
22	133	11.5	123	9.5	104	9.8	62	6.8	3.6
MEAN	146	9.7	112	9.1	86	8.4	50	5.6	6.3

SEP.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	4.8	134	7.4	97	5.8	58	3.9	1.3
2	295	11.0	169	9.7	117	8.3	64	5.6	4.9
4	218	11.9	162	9.7	129	9.0	79	7.3	-2.5
6	213	12.3	160	10.6	129	10.4	79	7.8	2.9
8	196	12.3	153	10.9	112	10.4	64	7.3	4.4
10									
12									
14									
16	236	11.9	183	11.5	125	9.6	65	6.5	5.4
18									
20									
22									
MEAN	223	10.7	160	10.0	118	8.9	68	6.4	2.7

SEP.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	248	10.5	180	7.7	132	6.8	72	4.8	27.5
2	293	8.6	197	10.0	137	8.1	76	5.4	19.2
4	230	7.9	160	7.0	115	6.0	68	3.9	12.1
6	246	6.3	153	7.7	109	6.9	65	4.8	15.1
8	174	10.2	133	8.3	99	6.3	58	3.8	18.8
10	240	9.7	149	9.3	106	7.5	62	4.9	20.1
12	163	10.0	133	8.9	98	7.4	56	4.7	13.0
14	252	8.8	163	8.9	114	8.3	63	5.2	8.7
16	209	10.1	170	9.5	125	8.3	72	5.6	8.9
18	214	9.5	142	8.8	103	7.4	60	4.9	12.9
20	190	9.7	156	9.9	122	8.7	68	5.6	8.3
22	193	8.0	142	9.2	108	8.3	59	5.4	7.2
MEAN	221	9.1	157	8.8	114	7.5	65	4.9	14.3

SEP.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	228	10.6	181	10.4	132	9.3	75	6.7	2.4
2	256	10.6	224	11.4	177	10.8	96	7.0	5.1
4	258	10.6	193	11.3	148	9.8	90	7.9	2.6
6	220	11.3	169	10.9	123	9.7	64	6.3	7.4
8	247	9.9	158	11.0	120	10.4	72	7.2	7.5
10	188	10.3	149	9.9	116	9.0	65	5.5	9.7
12	255	12.1	229	11.1	173	9.9	89	6.1	6.9
14	290	10.4	213	9.1	155	8.6	85	5.7	3.5
16	255	11.1	212	10.1	154	7.7	86	5.3	11.1
18	252	11.2	200	10.0	156	8.5	92	5.7	12.3
20	263	8.9	221	11.3	170	9.8	94	6.1	10.6
22	300	9.3	233	10.3	176	8.0	90	4.8	12.0
MEAN	251	10.5	199	10.6	150	9.3	83	6.2	7.6

SEP.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	352	12.6	254	10.8	186	9.7	104	6.8	8.3
2									
4	255	15.4	224	13.3	192	9.9	109	6.8	14.5
6	274	12.9	234	11.8	194	9.6	110	6.9	10.1
8	268	11.0	251	12.0	190	10.1	96	6.0	16.3
10	293	11.8	257	12.3	195	10.3	107	7.2	17.7
12	272	7.1	221	10.6	169	9.7	95	6.5	13.3
14									
16									
18	197	11.3	148	9.7	109	7.8	63	5.3	16.5
20	280	11.9	191	10.3	137	8.6	78	5.6	11.7
22	209	12.4	160	9.6	119	8.8	72	6.0	10.8
MEAN	267	11.8	216	11.2	166	9.4	93	6.3	13.2

SEP.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	241	9.6	176	9.3	134	8.8	77	6.2	10.9
2	265	8.5	189	9.3	138	8.3	80	6.8	2.2
4	308	10.3	200	9.6	146	8.9	85	6.5	11.3
6	266	11.2	218	10.5	159	9.9	92	7.5	5.9
8	251	10.5	162	10.2	121	8.5	68	5.6	6.2
10	194	11.0	148	8.9	106	7.5	60	5.1	9.7
12	205	9.6	162	7.3	117	6.6	67	4.5	2.3
14	213	8.9	129	7.7	99	6.4	57	3.9	1.4
16	216	5.9	155	7.4	122	7.2	73	4.9	4.6
18	220	9.5	179	8.3	141	7.4	82	5.0	4.1
20	267	8.3	186	7.4	137	6.9	83	4.8	5.8
22	222	8.8	182	7.6	138	6.7	84	4.8	9.5
MEAN	239	9.3	174	8.6	130	7.8	76	5.5	6.2

SEP.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	235	6.8	193	6.8	150	6.6	91	4.9	8.0
2	257	8.7	209	6.9	160	6.8	96	4.9	8.8
4	231	6.2	200	5.9	168	6.4	106	5.1	12.8
6	239	8.9	210	7.5	171	6.8	104	5.1	15.2
8	271	6.4	218	6.5	183	6.3	126	5.0	19.4
10	266	6.9	231	6.8	194	6.6	125	5.3	17.6
12	282	8.1	250	6.8	214	6.6	142	5.6	12.7
14	333	7.6	286	8.7	239	7.5	153	5.9	16.3
16	323	10.4	266	9.5	225	8.3	142	6.0	6.2
18									
20	283	10.6	258	10.4	211	8.4	134	6.4	0.8
22	353	16.2	300	12.1	240	9.0	142	6.4	-1.6
MEAN	279	8.8	238	8.0	196	7.2	124	5.5	10.6

SEP.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	386	14.1	306	12.0	243	9.8	153	7.2	4.6
4	313	11.6	253	10.8	213	9.8	139	7.6	-0.5
6	287	16.5	222	13.1	179	9.1	106	6.6	2.8
8	369	7.5	271	12.0	201	9.0	116	6.8	-0.9
10	315	17.1	253	13.7	210	11.6	135	7.8	0.8
12	301	12.4	241	9.9	199	8.8	120	6.6	6.7
14	378	13.3	306	12.0	252	9.6	154	7.3	5.5
16	358	10.7	312	10.5	256	10.3	149	7.4	7.8
18	312	8.7	261	9.9	216	8.0	123	5.3	12.2
20	270	12.9	237	10.9	198	9.7	119	6.6	5.9
22	400	6.7	307	11.2	226	9.3	130	6.9	-1.0
MEAN	335	12.0	270	11.5	218	9.5	131	6.9	4.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	1.1986 THETA (DEG)
0									
2	353	14.6	312	12.9	259	11.0	158	7.5	8.1
4	354	13.5	286	12.4	237	11.3	146	8.0	7.3
6	261	10.5	240	11.3	211	10.2	138	7.8	9.6
8	254	10.3	199	8.1	167	7.7	99	5.4	5.1
10									
12	311	10.3	240	9.8	191	8.3	113	6.3	5.4
14	338	12.4	301	11.4	241	9.8	131	7.0	7.8
16	333	10.8	286	10.3	229	10.3	133	7.8	10.7
18	307	8.9	248	8.3	189	7.6	105	5.4	12.3
20									
22									
MEAN	314	11.4	264	10.6	216	9.5	128	6.9	8.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	4.1986 THETA (DEG)
0	238	10.6	162	9.4	118	8.6	66	5.4	11.2
2	173	7.7	124	7.3	95	5.5	58	3.5	19.9
4	194	7.0	157	6.5	125	5.9	81	4.4	23.8
6	223	4.9	182	5.3	143	5.4	90	4.6	25.5
8	227	8.9	189	6.7	153	6.4	94	4.9	24.7
10	213	8.8	170	6.4	143	5.8	93	4.8	24.1
12	231	7.6	188	6.1	151	5.8	98	4.8	25.8
14	200	5.4	179	6.0	148	5.9	93	4.6	30.0
16	189	7.3	134	5.1	104	4.9	65	3.4	34.6
18	210	3.7	152	6.1	121	5.6	79	4.4	28.6
20									
22	264	7.7	210	7.1	179	6.9	118	5.3	23.9
MEAN	215	7.2	168	6.5	135	6.1	85	4.6	24.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	2.1986 THETA (DEG)
0	297	11.2	243	11.3	205	9.1	123	6.3	-2.1
2	275	10.7	244	8.5	210	8.4	138	6.8	2.0
4	306	12.0	257	9.3	221	9.2	135	6.5	-2.9
6	308	10.1	243	8.2	204	7.4	124	5.4	-3.1
8	243	9.1	214	8.4	185	8.1	123	6.1	0.5
10	251	9.6	204	8.5	166	7.0	106	5.4	-1.6
12									
14	316	9.5	246	9.1	182	7.9	99	5.3	-6.5
16	319	8.4	282	9.1	216	8.2	122	6.7	1.1
18	325	10.1	264	8.5	202	8.6	115	6.6	6.8
20	334	9.9	245	8.9	187	8.9	114	7.1	7.0
22	370	9.1	221	9.0	162	8.1	98	6.3	12.9
MEAN	304	10.0	242	9.0	195	8.3	118	6.2	1.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	5.1986 THETA (DEG)
0	217	7.1	197	8.1	174	7.6	116	5.5	18.6
2									
4	307	8.2	271	8.0	231	8.0	154	6.3	17.3
6	297	8.4	264	8.6	218	7.6	132	5.4	18.2
8	278	10.1	234	8.3	199	7.4	124	5.8	16.7
10	297	5.9	234	7.2	184	7.6	115	6.1	20.9
12	288	6.3	217	8.0	179	6.7	111	4.8	16.4
14									
16	299	9.3	253	9.0	220	8.4	145	6.6	17.2
18	277	6.6	258	8.6	219	8.3	137	6.3	18.7
20	301	8.5	252	8.5	212	8.3	138	6.8	13.0
22	231	7.9	214	8.3	190	7.8	132	6.3	14.9
MEAN	279	7.8	239	8.3	203	7.8	130	6.0	17.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	3.1986 THETA (DEG)
0	234	9.9	172	8.9	120	8.6	71	6.3	1.8
2	193	8.3	145	8.8	109	7.5	64	5.1	-2.2
4	193	9.7	151	9.5	116	9.3	68	7.1	2.8
6	256	8.9	186	9.8	139	9.5	79	6.8	7.9
8	310	7.3	210	8.9	152	8.2	89	6.1	16.3
10	237	12.3	210	10.2	168	9.7	96	6.8	19.4
12									
14	281	10.1	235	10.8	167	10.3	89	6.8	11.2
16	179	12.1	137	7.9	96	6.0	56	3.8	14.1
18	223	9.0	174	10.5	134	8.6	79	5.8	11.8
20	186	8.7	140	7.4	99	6.6	58	4.4	7.3
22	202	10.8	159	9.0	112	7.4	64	5.2	7.7
MEAN	227	9.7	174	9.2	128	8.3	74	5.8	8.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	6.1986 THETA (DEG)
0	245	10.5	214	8.3	179	8.0	111	6.4	10.7
2	253	8.8	213	8.0	178	8.5	111	6.6	12.9
4	244	10.4	184	7.9	137	6.6	80	4.8	12.0
6	212	8.8	154	8.6	125	7.6	82	5.5	16.3
8	221	7.8	182	8.0	141	7.6	78	5.1	12.7
10	195	10.9	163	8.3	134	8.3	85	6.2	13.5
12	323	4.9	189	7.5	136	7.9	82	5.4	11.1
14									
16	189	8.9	151	8.8	123	8.9	75	6.6	11.9
18	181	10.5	146	8.6	113	8.2	66	6.3	11.4
20	156	8.9	117	9.0	96	8.1	60	6.0	12.0
22	152	10.9	115	7.8	90	7.9	56	6.1	9.1
MEAN	216	9.2	166	8.3	132	8.0	81	5.9	12.1

OCT. 7.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	233	12.3	157	9.8	118	8.0	70	5.1	12.9
6	204	9.8	154	9.3	111	7.2	65	4.7	21.9
8	371	2.8	180	8.9	130	7.2	76	5.0	15.9
10	225	5.8	158	6.0	126	5.4	80	4.3	15.1
12	191	4.0	158	6.1	129	5.8	80	4.4	17.7
14	248	6.4	173	6.4	136	6.0	85	4.5	22.0
16	260	10.1	204	7.1	152	6.4	95	4.8	21.6
18	280	5.9	204	6.8	170	6.3	113	5.1	21.3
20	311	4.2	202	6.4	161	6.0	99	4.6	23.4
22	324	6.2	213	6.0	167	5.8	107	4.8	21.2
MEAN	265	6.7	180	7.3	140	6.4	87	4.7	19.3

OCT.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	9.5	212	11.0	178	10.2	106	7.1	18.0
2	308	7.1	243	9.0	205	9.7	138	7.8	21.7
4	304	9.8	238	9.5	197	9.6	118	7.3	23.7
6	316	13.2	275	10.0	229	9.9	143	7.7	22.7
8	427	12.8	275	10.9	217	9.7	117	6.3	25.5
10	347	7.0	284	12.3	240	10.6	149	8.3	19.4
12	301	13.0	259	10.8	224	10.6	137	7.5	19.5
14	316	9.0	278	11.5	227	10.5	129	7.3	23.3
16	287	11.6	250	9.5	202	8.7	115	6.3	16.0
18	381	8.2	283	10.5	229	10.0	133	7.0	19.0
20	309	13.7	257	10.8	215	9.1	129	6.9	19.6
22	290	6.1	254	11.3	209	9.8	126	6.9	19.0
MEAN	319	10.1	259	10.6	214	9.9	128	7.2	20.6

OCT. 8.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	223	7.3	199	6.8	167	6.0	108	4.9	19.0
2	306	7.1	191	7.1	161	6.3	104	4.6	15.6
4	263	6.6	227	8.1	200	7.0	139	5.6	3.7
6	323	8.8	232	8.6	197	7.8	127	5.7	14.3
8									
10	295	6.6	260	8.6	216	8.1	133	6.0	14.3
12	284	6.4	233	8.7	202	7.5	138	6.3	14.8
14	279	11.8	252	8.1	212	8.0	131	6.3	14.3
16	428	5.9	306	8.5	239	7.3	144	6.1	12.0
18									
20	341	13.9	286	14.4	221	9.3	131	6.9	4.4
22	326	11.7	263	10.8	207	8.8	130	6.9	4.0
MEAN	307	8.6	245	9.0	202	7.6	129	5.9	11.6

OCT.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	240	11.8	207	10.3	168	8.1	99	6.0	19.3
2	269	11.8	206	8.6	158	7.4	94	5.6	17.9
4	250	12.5	197	8.6	149	7.4	90	5.6	16.3
6	254	15.0	225	9.8	186	8.9	106	6.4	16.2
8	238	9.6	217	9.3	183	8.7	107	6.6	17.3
10	249	13.4	227	11.0	194	9.1	114	6.6	12.2
12	352	7.7	278	9.3	221	8.3	134	6.4	15.6
14	319	13.8	252	10.8	199	8.7	112	5.9	13.5
16	271	10.6	242	10.4	195	8.5	112	6.0	19.2
18	308	11.8	246	9.8	207	8.2	124	6.1	21.3
20	358	8.5	262	7.7	218	7.5	137	6.1	22.8
22	319	7.9	272	8.4	226	7.8	147	6.4	18.7
MEAN	286	11.2	236	9.5	192	8.2	115	6.1	17.5

OCT. 9.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	284	28.9	223	12.3	182	9.1	111	7.0	1.9
2	270	9.6	232	9.9	193	8.4	122	7.6	2.4
4	318	15.5	257	15.1	211	12.1	129	8.0	1.0
6	322	15.6	276	12.6	226	10.5	138	7.5	4.4
8	284	13.2	255	10.8	215	9.3	135	7.5	18.6
10	423	14.0	272	13.8	213	10.7	138	8.1	10.0
12	313	13.3	284	13.4	233	10.5	145	7.4	18.3
14	300	7.3	252	9.8	210	8.9	116	6.1	19.8
16	311	11.5	290	12.8	239	10.5	143	7.3	17.9
18	357	12.4	296	11.0	255	10.1	153	7.6	11.3
20	338	14.3	295	12.8	250	10.6	162	8.5	18.8
22	276	13.9	235	9.6	192	8.1	107	5.6	15.2
MEAN	316	14.1	264	12.0	218	9.9	133	7.3	11.6

OCT.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	348	12.6	269	9.6	218	8.7	132	6.3	20.9
2									
4	302	8.5	231	9.0	191	8.8	124	6.6	18.1
6	245	4.8	222	8.3	189	9.3	122	6.9	16.1
8	270	13.1	227	10.1	197	9.6	135	7.5	21.8
10	345	10.4	277	10.0	218	10.0	132	7.0	25.9
12	374	10.5	306	9.2	248	10.3	152	7.3	23.9
14	337	11.4	265	10.5	225	9.4	133	6.8	20.5
16	277	10.5	250	9.6	206	9.1	120	6.1	20.4
18	307	10.3	269	10.2	226	9.3	139	6.8	23.5
20	348	11.3	279	10.3	233	9.4	146	7.3	22.0
22	304	8.3	275	8.3	228	9.1	143	6.9	18.0
MEAN	314	10.2	261	9.6	216	9.4	134	6.9	21.0

OCT.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	320	12.1	247	10.1	208	9.6	123	6.5	18.3
4	249	6.6	221	9.6	193	9.9	128	7.3	21.2
6	233	8.1	210	9.7	186	9.6	121	7.2	16.0
8	240	10.3	200	9.3	176	9.1	112	7.1	21.1
10	294	9.2	227	8.8	195	9.1	121	7.6	23.0
12	325	10.4	266	10.6	220	9.2	125	7.1	20.5
14	315	9.7	224	9.4	171	8.8	106	7.4	17.8
16	277	10.0	221	8.4	175	8.4	99	6.4	23.8
18	275	10.0	212	9.6	160	8.2	95	5.8	20.7
20	237	7.8	192	8.4	153	7.8	92	6.1	23.0
22	247	10.6	204	9.6	153	9.2	90	6.8	20.7
MEAN	274	9.5	220	9.4	181	9.0	110	6.8	20.6

OCT.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	193	7.3	154	9.9	118	9.2	70	6.7	20.2
2	310	12.3	230	9.7	172	9.5	96	7.3	16.0
4									
6	213	6.5	183	8.8	147	8.3	86	6.7	20.5
8	268	13.7	234	11.6	193	9.2	115	7.1	23.4
10	263	12.1	212	10.9	179	9.4	112	7.6	22.9
12	295	12.1	251	12.1	196	9.4	97	6.4	15.4
14	278	11.7	231	12.1	168	10.4	91	7.6	16.2
16									
18	258	6.1	200	7.9	142	7.6	77	4.9	18.7
20	256	15.2	218	10.6	161	9.5	85	6.6	15.4
22	290	13.0	242	11.0	176	10.5	95	7.4	16.8
MEAN	262	11.0	216	10.5	165	9.3	92	6.8	18.5

OCT.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	261	12.4	213	10.9	167	10.1	94	8.4	19.2
2	243	12.3	202	11.8	151	9.9	77	6.8	15.8
4	231	10.8	176	10.5	127	9.5	75	7.3	21.3
6	244	12.8	189	9.2	138	9.6	77	6.9	22.2
8	289	4.9	197	8.8	151	8.6	84	7.1	12.3
10	223	12.6	181	11.9	138	10.3	76	7.3	17.7
12	271	11.6	152	10.3	114	10.3	64	7.1	14.4
14	263	12.7	162	10.9	116	10.3	61	6.3	11.9
16	240	11.9	177	10.9	137	9.7	79	7.6	14.3
18	200	9.3	160	8.6	116	8.9	66	6.6	12.9
20	214	12.8	150	10.6	109	9.1	63	6.8	14.6
22	149	11.8	122	9.4	89	8.8	50	6.4	13.5
MEAN	236	11.3	173	10.3	129	9.6	72	7.0	15.8

OCT.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	6.1	96	7.6	72	5.8	45	3.9	31.5
2	125	8.3	102	9.5	78	7.9	46	5.1	20.1
4	115	10.1	88	8.3	69	8.2	41	5.3	24.5
6	147	11.3	99	8.9	78	8.8	46	5.3	24.3
8	120	9.6	86	8.4	68	7.2	41	4.7	20.3
10	100	9.3	82	8.7	65	7.3	39	4.8	17.8
12	176	10.5	95	8.8	67	6.5	38	4.0	11.8
14	100	6.6	76	8.7	59	7.7	34	4.8	13.1
16	112	11.6	99	9.8	75	9.4	44	6.6	11.2
18	85	9.4	71	9.5	56	8.4	32	5.3	11.3
20	88	8.7	70	8.8	54	7.8	31	5.2	3.8
22	88	6.9	65	7.8	49	7.4	28	4.6	9.3
MEAN	115	9.0	86	8.7	66	7.7	39	5.0	16.6

OCT.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	102	8.6	62	8.6	45	7.8	26	4.7	15.3
2	75	9.1	60	9.6	45	7.9	25	5.1	17.5
4	75	11.4	64	9.4	51	8.0	30	5.6	25.0
6	83	9.9	60	8.7	46	7.4	27	4.8	24.5
8	93	10.6	82	9.3	62	7.9	36	5.4	21.5
10	88	4.5	71	7.6	58	6.3	38	4.1	26.9
12	95	6.1	79	6.0	62	5.3	38	3.5	37.5
14	97	4.4	79	5.8	62	5.1	39	3.6	48.2
16	118	2.6	87	5.2	71	5.2	45	3.7	48.4
18	99	7.3	74	6.0	60	5.4	37	3.6	32.5
20	109	8.5	75	6.1	60	5.3	36	3.4	29.9
22	152	7.8	110	6.1	85	5.8	51	4.4	36.1
MEAN	99	7.6	75	7.4	59	6.4	36	4.3	30.3

OCT.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	179	6.3	133	5.7	106	5.4	69	4.6	34.6
2	193	5.3	134	5.4	102	5.3	63	4.0	39.5
4	139	6.1	106	4.9	84	4.6	52	3.1	45.1
6	118	6.4	99	6.5	80	5.6	49	4.0	31.9
8	148	6.6	103	5.9	82	5.3	50	4.0	35.9
10	107	7.3	90	6.4	75	6.0	49	4.8	28.2
12	110	6.3	88	6.0	72	5.8	43	4.3	31.3
14	95	5.4	77	5.7	60	6.0	36	4.3	28.0
16	85	6.7	66	6.2	51	4.8	33	3.3	35.1
18	88	10.5	70	8.8	54	6.9	32	4.8	27.6
20	85	7.3	67	6.5	54	6.3	34	5.0	23.1
22	90	6.3	78	5.8	65	5.9	41	4.6	24.2
MEAN	120	6.7	93	6.1	74	5.7	46	4.2	32.0

OCT.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	6.3	86	5.8	67	5.6	41	4.3	26.4
2	91	10.9	73	7.1	59	6.3	38	4.6	25.4
4	95	4.8	68	6.5	55	6.1	35	4.2	29.1
6	87	7.8	71	6.9	57	5.9	34	4.1	31.3
8	113	4.0	93	6.0	75	5.2	49	3.8	27.3
10	142	4.4	111	5.2	89	4.8	56	3.7	34.3
12	161	4.3	132	4.8	104	5.0	65	3.8	33.8
14	260	5.9	156	4.5	115	4.6	70	3.7	30.5
16	307	5.8	219	4.8	154	5.1	94	4.1	31.4
18	239	5.4	144	5.6	111	5.6	68	4.3	29.9
20	183	5.8	145	5.4	114	5.6	71	4.6	27.1
22	183	4.3	138	5.1	108	5.4	65	4.5	22.4
MEAN	165	5.8	120	5.6	92	5.4	57	4.1	29.1

OCT.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	6.6	156	5.3	119	5.6	73	4.6	25.9
2	227	5.0	157	5.3	120	5.7	74	4.9	23.7
4	227	5.9	147	5.8	118	6.3	77	5.1	25.9
6	200	6.3	156	7.3	127	6.6	80	5.3	25.8
8	273	14.7	244	10.0	190	8.3	113	6.5	19.0
10	226	6.1	196	6.5	164	6.8	104	5.5	22.4
12	200	6.4	178	6.3	144	6.2	90	4.9	24.7
14	251	7.4	183	7.3	146	6.8	92	5.5	22.1
16	206	7.8	166	6.8	126	7.6	75	5.1	24.2
18	248	9.3	161	5.9	120	5.9	72	4.6	20.0
20	216	10.9	147	7.2	112	7.1	66	5.1	21.7
22	194	14.8	159	7.5	127	6.1	72	5.8	12.5
MEAN	224	8.4	171	6.8	134	6.6	82	5.2	22.3

OCT.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	236	9.4	167	8.4	134	7.3	76	5.9	15.4
2	247	8.4	213	9.4	162	8.6	97	7.0	11.7
4	264	11.8	192	9.3	154	9.0	90	7.1	4.3
6	278	11.7	190	8.8	147	8.6	83	6.8	1.9
8	262	10.7	221	8.9	167	8.4	98	6.9	2.2
10	310	10.3	226	10.4	168	9.0	93	7.0	0.3
12	247	10.3	196	10.3	148	9.0	89	7.0	3.9
14	299	12.4	246	10.8	191	9.1	108	7.3	0.4
16	283	9.2	247	10.7	202	10.1	120	8.1	-4.9
18	306	12.3	238	7.9	176	7.7	91	5.4	-1.8
20	285	7.3	246	10.5	208	10.7	124	8.0	-1.1
22	249	9.4	198	10.1	164	9.8	100	7.2	-4.8
MEAN	272	10.3	215	9.6	168	8.9	97	7.0	2.3

OCT.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	18.9	184	14.0	149	9.8	88	7.1	-0.7
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	212	18.9	184	14.0	149	9.8	88	7.1	-0.7

OCT.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	144	7.1	111	7.4	85	6.9	51	4.6	25.5
16	141	7.5	121	9.1	93	7.8	57	5.4	25.3
18	110	7.3	93	7.4	75	6.8	45	4.7	19.6
20	145	7.0	118	7.3	91	6.8	53	4.5	23.4
22	196	3.5	130	5.5	102	5.7	63	4.0	25.4
MEAN	147	6.5	115	7.3	89	6.8	54	4.6	23.8

OCT.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	162	9.3	134	7.0	104	6.3	64	5.0	22.4
2	184	9.0	139	6.4	108	6.3	65	4.9	18.5
4	136	9.3	106	8.8	81	7.2	50	5.0	19.8
6	197	5.2	110	8.9	78	8.5	47	5.6	16.2
8	119	10.1	99	10.5	75	8.6	45	5.5	20.6
10	122	11.2	95	9.8	73	8.8	44	6.2	16.8
12	128	8.8	88	8.6	64	7.4	38	4.8	11.1
14	111	9.3	94	9.0	75	8.5	45	5.5	11.0
16	120	4.9	90	5.6	70	5.3	45	3.7	7.2
18	105	10.3	91	9.0	72	8.7	42	5.7	14.3
20	179	10.8	99	9.9	75	8.9	43	5.9	12.0
22	120	6.6	97	9.3	80	9.3	49	6.3	10.1
MEAN	140	8.7	104	8.6	80	7.8	48	5.3	15.0

OCT.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	119	9.3	108	10.8	92	9.8	53	6.7	10.7
2	136	10.0	117	8.3	91	7.8	55	6.2	6.9
4	122	8.6	93	8.8	72	8.0	45	6.1	5.9
6	114	4.4	88	8.0	68	7.8	38	5.2	11.1
8	196	6.6	99	6.1	74	5.6	44	3.9	23.0
10	226	5.6	114	6.6	82	5.3	51	3.8	23.3
12	185	8.0	129	8.0	99	6.5	58	4.1	19.3
14	146	6.5	118	6.2	92	5.7	57	4.0	18.1
16	150	7.6	120	5.8	95	5.5	59	4.0	20.1
18	146	4.8	111	6.6	88	5.4	53	3.6	22.4
20	151	8.7	118	7.8	92	6.8	54	4.4	12.1
22	128	7.9	115	8.5	92	7.5	55	5.3	8.5
MEAN	152	7.3	111	7.6	86	6.8	52	4.8	15.1

OCT.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	7.4	111	7.8	84	7.8	47	5.3	6.5
2	135	5.5	100	8.1	80	8.4	49	6.2	9.2
4	101	9.3	91	8.8	72	8.5	45	6.0	6.0
6	131	10.3	92	8.1	71	8.0	44	6.3	6.7
8	84	8.6	72	9.8	63	8.6	40	6.3	5.7
10	95	13.5	74	10.5	59	8.8	37	6.4	3.9
12	96	10.2	82	10.0	64	8.9	39	6.2	4.3
14	115	8.2	92	10.5	65	8.8	35	5.7	3.4
16	95	13.0	73	9.5	56	7.6	31	4.8	0.2
18	108	11.1	80	11.5	61	9.9	36	6.6	2.5
20									
22	116	7.6	79	10.3	63	9.3	39	6.5	0.0
MEAN	111	9.5	86	9.5	67	8.6	40	6.0	4.4

OCT.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	94	13.3	72	9.7	56	8.3	34	5.8	4.2
2	109	8.9	78	8.5	57	8.5	34	5.9	1.4
4	115	10.1	92	10.9	69	9.3	41	6.5	7.0
6	92	10.9	80	10.0	62	8.8	35	5.9	5.9
8	223	6.6	79	6.3	56	5.1	35	3.4	23.4
10									
12	172	3.5	148	5.1	121	5.1	75	3.9	27.3
14	224	5.5	175	5.8	133	5.6	81	4.3	29.2
16	206	5.8	135	6.0	107	5.3	68	3.9	26.5
18									
20									
22	171	7.8	134	6.3	107	5.6	65	3.8	22.6
MEAN	156	8.0	110	7.6	85	6.8	52	4.8	16.4

OCT.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	148	4.9	107	6.0	85	5.6	53	3.9	18.9
2	195	5.3	102	6.4	75	5.5	44	3.6	7.8
4	201	7.9	148	8.0	109	7.6	61	5.6	8.2
6	121	8.0	110	8.3	91	7.4	56	5.7	10.4
8	140	9.8	119	8.0	92	7.8	53	5.8	10.3
10	137	8.6	115	8.0	89	8.1	53	6.3	5.3
12	137	10.0	117	7.9	95	7.9	56	6.2	3.5
14	112	6.4	97	8.6	75	8.0	46	5.4	3.6
16	133	8.8	102	8.6	82	8.8	48	6.3	3.9
18	134	10.0	102	8.2	74	8.1	41	5.5	5.8
20	143	9.9	109	9.3	82	8.5	48	6.3	2.2
22	123	8.9	100	8.3	76	7.8	45	5.9	4.3
MEAN	144	8.2	111	8.0	85	7.6	50	5.5	7.0

OCT.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	9.4	118	8.6	85	7.9	49	5.8	1.2
2	136	9.8	117	9.5	94	9.0	58	6.8	1.5
4	183	3.3	140	8.2	104	8.8	64	6.8	4.7
6	220	6.8	168	8.3	125	7.8	69	6.3	0.3
8	260	10.3	195	8.3	151	9.1	88	7.2	5.3
10	229	8.2	191	9.5	141	8.5	82	6.8	5.1
12	252	9.6	208	8.2	157	7.9	90	5.6	9.5
14	291	5.4	233	9.0	169	8.1	100	5.8	10.9
16	254	4.4	220	9.8	178	7.9	95	5.6	10.5
18	247	13.5	217	10.8	177	8.2	100	6.4	12.5
20	291	14.3	223	12.7	175	9.8	102	6.7	8.3
22	285	13.3	247	11.8	205	9.5	116	6.9	4.8
MEAN	236	9.0	190	9.6	147	8.5	84	6.4	6.2

OCT.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	291	9.3	230	8.0	182	9.0	102	6.9	9.5
2	290	12.9	253	9.4	182	9.1	104	6.9	8.0
4	245	13.9	188	9.7	143	9.3	85	7.1	9.5
6	244	11.3	214	8.4	169	8.0	90	6.7	7.8
8	270	7.8	224	9.1	161	9.1	85	7.0	12.2
10	235	10.3	193	7.2	164	6.4	110	5.6	24.6
12	255	6.6	208	7.5	178	7.0	115	5.3	25.3
14	296	7.0	247	7.8	202	7.6	123	5.7	23.5
16	305	8.8	246	9.9	205	7.8	134	6.3	18.9
18	253	13.5	211	8.5	183	7.8	114	6.0	20.7
20	254	6.8	195	9.0	165	7.8	106	6.1	21.3
22	247	10.2	211	9.6	168	7.8	98	5.9	23.7
MEAN	265	9.9	218	8.7	175	8.1	106	6.3	17.1

OCT.31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	279	6.8	223	8.4	165	7.5	98	5.9	20.5
2	274	9.0	200	9.0	142	7.8	84	5.5	16.8
4	290	5.1	234	8.7	173	7.8	102	5.9	19.8
6	202	5.5	178	8.3	137	7.0	81	5.4	19.2
8	218	9.1	168	6.4	137	6.2	86	5.6	17.6
10	225	8.0	202	9.0	158	7.4	95	6.0	19.0
12	238	11.9	179	10.0	141	8.5	83	6.1	15.9
14	182	11.0	144	8.2	114	7.8	72	5.8	14.1
16	211	14.2	156	8.0	112	8.5	67	6.4	9.3
18	171	8.6	130	8.4	98	8.1	55	5.1	13.4
20	194	11.8	146	8.3	104	7.6	58	5.3	13.4
22	187	9.1	134	7.6	93	7.0	52	4.9	12.0
MEAN	223	9.2	175	8.4	131	7.6	78	5.7	15.9

NOV. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	138	7.1	96	7.3	68	6.8	42	4.6	11.4
2	128	9.1	113	9.9	89	9.5	56	6.9	10.2
4	157	9.1	97	7.9	65	6.1	38	4.3	6.4
6	171	9.9	119	9.2	92	9.0	52	6.1	7.0
8	119	12.0	96	9.6	75	9.6	42	6.1	5.8
10	153	12.5	108	12.3	81	10.7	49	7.3	7.1
12	107	12.9	87	11.6	70	9.3	42	6.6	6.8
14	102	13.1	81	12.0	61	9.8	35	6.4	7.5
16	99	8.8	76	9.4	57	7.9	31	5.1	6.5
18									
20									
22	143	10.3	101	7.2	77	7.2	46	5.3	0.4
MEAN	132	10.5	97	9.6	74	8.6	43	5.9	6.9

NOV. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	131	5.4	98	7.6	74	6.9	44	5.3	-1.4
2	109	7.9	88	8.9	68	7.8	39	5.3	-4.5
4	125	5.3	93	7.1	73	6.9	44	5.2	-4.0
6	139	8.3	108	6.8	87	7.2	55	5.3	4.5
8	137	5.3	115	7.3	93	6.7	57	4.9	7.1
10	150	8.5	124	7.3	101	6.9	63	5.1	9.2
12	164	7.5	125	6.9	100	6.5	61	4.7	12.6
14	200	6.9	153	7.1	114	6.6	68	4.4	13.4
16	213	6.5	158	7.1	124	6.1	74	4.1	9.5
18	273	4.4	172	6.6	136	6.0	85	4.7	12.9
20	205	5.1	165	6.8	129	6.6	76	4.6	8.0
22	209	8.9	150	7.3	119	6.1	74	4.7	-2.3
MEAN	171	6.7	129	7.2	102	6.7	62	4.9	5.4

NOV. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	9.7	156	6.7	112	7.2	67	5.1	2.5
2	155	7.9	133	7.6	102	7.1	61	5.2	7.8
4	154	8.3	117	8.1	93	7.4	57	5.3	9.9
6	137	7.1	121	7.2	97	7.6	59	5.6	8.6
8									
10									
12	182	9.1	128	5.8	98	5.5	61	3.7	4.7
14	186	6.7	137	6.9	101	6.4	60	4.4	2.9
16									
18	186	8.6	123	7.7	95	7.3	54	4.6	4.3
20									
22	189	6.8	159	6.4	131	6.3	76	4.5	7.4
MEAN	171	8.0	134	7.0	104	6.8	62	4.8	6.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 4.1986 TMEAM (SEC)	THETA (DEG)
0									
2	335	10.8	210	8.7	148	7.8	85	5.6	0.9
4	166	5.8	133	8.5	102	8.3	61	5.8	-0.2
6	276	10.3	147	8.6	108	8.4	66	6.5	0.1
8	158	9.6	142	8.8	121	8.7	79	7.4	1.3
10	207	10.4	159	9.5	128	8.6	78	6.7	-1.2
12	156	9.3	134	7.8	106	8.7	64	6.8	-2.4
14	156	10.2	127	9.7	96	8.5	54	5.6	-0.7
16	186	9.3	149	7.3	120	6.5	75	4.6	17.7
18	158	8.3	127	6.6	107	5.6	69	4.5	23.4
20	231	4.0	172	5.4	123	5.5	74	4.3	19.3
22	195	6.6	149	5.8	120	5.9	76	4.4	18.6
MEAN	202	8.6	150	7.9	116	7.5	71	5.7	7.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 7.1986 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	135	8.6	104	8.3	88	8.0	52	5.8	-2.9
16	125	8.6	114	8.8	94	7.8	60	6.3	-2.2
18									
20	135	8.0	117	8.1	88	8.0	54	6.3	0.8
22	234	4.6	126	7.3	95	7.5	57	5.8	-3.2
MEAN	157	7.4	115	8.1	91	7.8	56	6.0	-1.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 5.1986 TMEAM (SEC)	THETA (DEG)
0	177	6.1	151	5.4	117	5.6	70	4.3	18.4
2	187	6.9	149	6.0	110	5.8	64	4.0	23.0
4	164	4.1	132	5.6	104	5.3	65	3.9	23.1
6	153	4.5	129	6.8	106	5.6	64	4.1	26.6
8	169	5.6	140	5.5	113	5.3	68	4.1	19.3
10	206	8.0	144	6.3	110	5.4	67	3.9	19.4
12	187	4.4	136	6.1	106	5.4	67	3.9	22.2
14	198	6.5	144	6.2	112	5.9	72	4.2	13.5
16	204	7.7	148	6.4	117	5.9	70	4.4	16.8
18	172	7.8	145	6.3	118	5.8	73	4.3	18.3
20	237	7.8	184	7.4	137	6.8	78	4.6	14.5
22	204	5.8	168	6.2	138	6.1	85	4.8	7.6
MEAN	188	6.3	148	6.2	116	5.7	70	4.2	18.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 8.1986 TMEAM (SEC)	THETA (DEG)
0	178	9.4	142	8.2	101	7.3	59	5.8	-5.6
2	176	8.9	138	7.5	106	7.4	66	6.1	-5.1
4	154	6.8	116	7.8	93	7.4	57	5.9	-3.1
6	152	9.2	110	8.3	88	7.6	54	6.4	-1.8
8	133	8.3	110	7.8	86	7.9	50	5.8	1.2
10	215	8.6	139	7.6	103	7.6	61	5.3	7.0
12	146	8.0	116	7.1	91	6.8	55	4.9	11.5
14									
16									
18	178	7.6	130	8.0	100	7.5	59	5.4	12.2
20	129	9.3	102	8.2	78	7.6	46	5.4	11.9
22									
MEAN	162	8.5	123	7.8	94	7.5	56	5.7	3.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 6.1986 TMEAM (SEC)	THETA (DEG)
0	210	10.3	171	8.4	145	7.1	90	5.1	-1.2
2	239	9.4	182	7.3	142	6.3	85	4.8	-1.1
4	231	6.6	187	8.0	155	7.6	94	5.6	12.5
6	255	9.1	186	7.8	141	8.0	83	5.8	9.7
8	209	8.5	161	8.6	126	7.8	75	5.6	10.9
10	224	11.0	165	7.3	134	7.8	80	5.7	6.8
12									
14									
16									
18									
20									
22									
MEAN	228	9.1	175	7.9	141	7.4	85	5.4	6.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 9.1986 TMEAM (SEC)	THETA (DEG)
0	124	3.4	102	5.4	83	5.6	52	4.1	18.7
2	116	5.4	91	6.6	73	6.3	46	4.4	17.6
4	145	5.8	115	5.5	92	5.0	60	3.8	26.1
6	285	4.5	136	4.8	103	4.6	63	3.6	25.3
8	192	5.7	143	5.3	110	5.0	69	3.9	20.9
10	212	5.4	142	5.0	110	4.8	69	3.7	24.8
12	167	3.9	127	5.1	100	5.0	62	3.7	14.7
14	208	5.0	143	5.1	112	4.8	71	3.9	18.9
16	220	5.1	174	5.1	135	5.2	84	4.1	9.7
18	219	4.3	172	5.5	136	5.6	82	4.3	15.7
20	262	5.6	213	5.6	164	5.8	98	4.9	7.7
22	300	6.4	209	6.7	156	6.1	96	4.9	9.7
MEAN	204	5.0	147	5.5	115	5.3	71	4.1	17.5

NOV.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	314	8.3	249	7.4	201	6.8	128	5.6	8.1
2	266	8.1	232	7.2	185	6.6	121	5.4	10.2
4	234	5.6	205	7.1	177	6.9	112	5.5	11.7
6	313	9.0	238	7.6	200	7.0	122	5.7	15.8
8	275	9.8	232	7.8	191	7.6	115	5.9	14.9
10									
12									
14									
16									
18									
20									
22									
MEAN	280	8.2	231	7.4	191	7.0	120	5.6	12.1

NOV.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	171	11.0	124	9.8	93	8.0	57	5.3	24.1
16	110	11.4	93	9.7	73	8.1	45	5.3	30.2
18	132	10.6	107	9.9	77	8.5	43	5.3	27.1
20	122	11.5	93	9.4	62	9.1	33	5.8	19.0
22	128	12.2	92	11.3	66	11.0	39	7.8	14.4
MEAN	133	11.3	102	10.0	74	8.9	43	5.9	23.0

NOV.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	10.9	85	10.8	68	10.8	42	8.7	13.0
2	90	10.8	81	10.9	64	10.3	36	7.1	18.0
4	98	11.7	86	10.6	71	9.6	43	6.6	20.7
6	102	4.4	86	7.1	71	6.7	47	5.7	24.4
8	121	11.1	97	8.3	78	6.7	48	5.3	23.2
10									
12	122	7.2	94	8.6	75	7.9	48	5.6	21.1
14	126	9.6	88	8.9	67	7.3	39	5.0	22.7
16									
18	153	6.8	111	9.4	82	8.7	43	5.6	18.1
20	179	10.8	144	9.9	103	9.6	56	6.6	16.7
22	188	11.3	144	10.8	106	9.7	64	7.4	14.6
MEAN	128	9.5	102	9.5	79	8.7	47	6.4	19.2

NOV.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	132	9.6	107	9.8	85	9.3	52	6.8	11.5
2	131	11.0	116	10.8	96	10.3	58	7.4	10.9
4	133	10.1	107	9.1	84	8.6	49	7.0	10.2
6	147	9.5	121	9.8	89	9.1	53	6.7	12.6
8	150	10.1	109	9.9	81	9.3	46	6.5	12.7
10	198	10.0	152	10.1	113	9.6	69	7.9	12.0
12	136	10.3	117	9.8	96	9.7	63	7.8	14.3
14	165	12.0	114	9.4	90	9.3	59	7.6	10.7
16	137	9.8	125	9.3	94	8.9	53	6.2	14.3
18	118	9.0	105	8.9	85	8.6	52	6.8	12.8
20	211	8.4	146	8.8	111	8.9	63	6.9	14.6
22	158	9.4	120	10.0	93	9.1	57	6.9	11.7
MEAN	151	9.9	120	9.6	93	9.2	56	7.0	12.4

NOV.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	140	10.2	120	9.5	99	9.0	64	7.3	10.6
2	139	9.0	104	9.2	84	8.9	49	5.9	10.6
4	146	9.8	123	9.4	93	9.1	55	6.8	13.6
6	158	9.1	114	9.0	82	9.3	46	6.3	11.6
8	135	9.2	120	9.5	99	9.1	57	6.8	13.7
10									
12	103	11.2	85	9.9	71	9.6	44	7.1	12.0
14	110	9.4	85	9.1	65	8.1	38	5.1	9.7
16	117	8.3	86	9.0	65	8.3	38	5.9	5.8
18	130	10.1	103	10.3	77	9.5	45	6.7	6.3
20	98	11.1	83	10.3	66	9.4	42	7.1	7.3
22	105	9.9	67	9.7	52	9.3	30	6.3	5.3
MEAN	126	9.8	99	9.5	78	9.1	46	6.5	9.7

NOV.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	84	9.0	68	10.3	51	9.3	28	6.3	5.4
2	220	5.5	85	9.3	57	10.0	34	7.9	5.4
4	305	8.8	93	8.8	57	9.3	35	7.3	2.3
6	66	10.6	50	10.1	40	9.5	24	6.6	9.8
8	118	5.0	61	5.8	48	4.5	31	3.1	20.8
10	133	4.3	97	4.8	78	4.6	50	3.6	24.4
12	166	5.5	136	6.0	104	5.8	64	4.5	15.4
14	159	6.9	130	6.6	104	6.4	62	4.4	19.3
16	181	6.2	133	5.8	102	6.0	61	4.4	25.9
18	143	6.6	110	6.4	90	6.3	54	4.6	24.8
20	172	6.7	112	7.1	84	6.4	52	5.1	26.0
22	158	4.8	111	5.8	86	5.1	56	3.7	33.8
MEAN	159	6.7	99	7.2	75	6.9	46	5.1	17.8

NOV.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	6.3	84	5.8	64	5.9	39	4.7	26.1
2	71	6.5	65	6.8	53	6.3	34	5.0	22.2
4	65	6.7	52	7.4	41	6.8	25	4.8	22.4
6	60	4.9	48	6.9	40	7.3	25	5.6	8.9
8	78	7.9	51	6.6	38	5.9	23	3.7	1.3
10	92	5.1	71	4.6	54	4.1	33	2.7	26.2
12	90	4.4	68	4.6	54	4.1	34	2.7	31.5
14	94	4.2	73	4.5	59	4.1	36	2.9	37.2
16	83	8.3	64	5.3	51	4.8	33	3.4	47.0
18	100	5.8	85	5.7	72	5.4	47	4.3	31.5
20	121	5.5	92	5.6	75	5.6	47	4.3	31.6
22	103	4.6	91	5.3	75	5.3	48	4.3	30.3
MEAN	89	5.8	70	5.8	56	5.5	35	4.0	26.3

NOV.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	123	5.3	89	6.0	74	5.8	48	4.4	28.4
2	108	4.6	89	5.2	71	5.3	46	4.0	28.8
4									
6	112	6.5	72	6.0	60	5.8	38	4.4	29.1
8									
10									
12									
14									
16									
18									
20	74	6.5	56	6.5	42	5.0	25	3.1	11.4
22									
MEAN	104	5.7	77	5.9	62	5.5	39	4.0	24.4

NOV.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	83	4.7	64	5.8	50	5.1	30	3.7	19.5
4									
6	82	4.6	65	5.3	51	5.3	31	3.8	12.1
8									
10									
12	81	5.9	62	7.3	49	6.6	29	4.4	7.2
14									
16	81	7.6	67	7.8	51	7.8	31	5.7	-0.4
18									
20									
22									
MEAN	82	5.7	65	6.5	50	6.2	30	4.4	9.6

NOV.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	79	6.7	70	7.3	56	7.0	32	4.9	1.7
2	105	8.3	73	7.3	59	6.4	37	4.5	20.1
4	86	7.4	74	6.8	59	6.0	35	4.1	17.3
6	105	6.3	79	6.1	62	5.4	40	4.3	19.1
8	123	4.6	97	5.9	81	5.6	53	4.5	18.4
10	134	5.6	88	5.4	68	4.5	43	3.3	23.8
12	117	6.2	94	6.6	72	5.8	43	3.7	20.1
14	86	6.3	76	6.4	59	5.4	36	3.6	17.8
16	105	9.1	81	7.1	62	6.3	37	3.9	18.3
18	104	10.1	80	6.6	60	5.1	38	3.5	16.6
20	104	8.5	80	7.9	61	6.8	37	4.6	14.2
22	111	6.5	86	8.5	63	7.1	39	5.1	14.3
MEAN	105	7.1	82	6.8	64	5.9	39	4.2	16.8

NOV.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	4.1	80	7.0	63	6.1	40	4.6	15.1
2	98	6.9	82	6.6	65	5.3	41	4.2	18.5
4	107	6.2	79	5.9	66	6.1	43	4.7	23.2
6	105	5.0	91	7.0	73	5.8	45	4.2	23.0
8	146	7.5	102	7.6	77	7.1	48	4.9	22.7
10	97	7.8	85	8.1	70	7.0	46	5.1	15.5
12	125	5.3	85	7.3	66	6.9	44	5.2	14.7
14	93	6.7	79	8.7	64	7.3	39	5.0	16.1
16	86	7.6	68	7.4	55	6.9	34	4.9	10.5
18	92	6.6	74	8.2	61	8.1	37	5.5	8.0
20	94	6.8	77	9.0	61	8.4	35	5.8	7.2
22	96	9.2	73	7.8	55	7.6	32	5.3	7.6
MEAN	105	6.6	81	7.5	65	6.9	40	4.9	15.2

NOV.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	94	10.6	65	9.3	47	7.4	28	4.9	6.1
2									
4	135	3.2	98	4.8	80	4.8	52	3.6	30.5
6	109	7.7	92	5.9	71	5.6	46	4.1	25.8
8	112	5.9	87	5.9	69	5.0	46	4.0	23.6
10	215	5.3	117	5.8	91	5.6	57	4.1	19.9
12	178	5.1	117	5.6	93	5.6	59	4.3	23.0
14	142	4.8	110	6.5	85	6.1	52	4.4	20.1
16	104	6.4	88	5.9	70	5.3	41	3.6	18.6
18	126	6.3	100	6.6	80	6.1	47	4.1	13.3
20	130	5.8	98	7.5	75	6.8	43	4.4	8.0
22	113	4.6	90	6.1	70	5.8	42	4.2	13.2
MEAN	133	6.0	97	6.4	76	5.8	47	4.2	18.4

NOV.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	6.6	87	8.2	68	7.6	44	5.8	12.1
2	87	7.5	66	6.0	50	5.4	29	3.7	8.9
4	102	10.6	88	8.9	70	8.2	41	6.1	9.8
6	81	9.1	67	9.1	54	8.5	32	5.8	7.3
8	86	9.6	69	8.4	57	8.4	34	5.6	0.8
10	86	8.6	64	9.0	47	7.8	25	4.7	2.9
12	74	10.0	61	10.3	45	8.6	27	5.8	-0.5
14	69	11.2	59	10.7	49	9.5	30	6.4	4.1
16	61	6.0	51	8.2	42	7.7	23	4.4	4.7
18	53	7.5	47	7.8	38	6.8	23	4.3	1.5
20	76	8.4	60	8.7	47	7.1	29	5.0	9.8
22									
MEAN	81	8.6	65	8.7	52	7.8	31	5.2	5.6

NOV.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	184	7.7	153	8.7	128	8.4	82	6.6	-5.0
16	229	8.7	166	8.9	131	8.4	82	6.9	-0.3
18	210	9.0	178	8.5	132	8.3	81	7.1	0.7
20	217	8.3	179	8.3	148	8.4	94	7.5	0.2
22	280	8.8	162	7.9	120	7.7	67	5.2	1.0
MEAN	224	8.5	168	8.5	132	8.2	81	6.7	-0.7

NOV.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	151	9.5	129	8.2	105	8.3	63	6.0	3.8
2	190	9.0	157	8.2	120	7.8	68	6.1	0.3
4	193	9.2	160	9.1	119	8.9	66	6.6	4.9
6	180	9.9	145	8.8	109	8.5	61	5.6	11.9
8	188	8.1	128	7.6	99	6.9	56	4.9	16.0
10	158	8.1	134	8.0	108	7.9	67	5.6	17.8
12	182	8.4	148	9.4	109	8.1	63	5.3	23.7
14	273	7.8	156	7.4	109	6.7	60	4.1	27.7
16	146	7.9	117	6.9	94	6.1	57	4.1	36.9
18									
20	137	7.9	115	6.9	95	6.8	58	4.9	25.6
22	134	9.4	91	8.3	71	7.6	42	5.2	24.0
MEAN	176	8.7	135	8.1	103	7.6	60	5.3	17.5

NOV.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	9.1	86	7.8	67	7.3	41	5.3	24.4
2	81	4.6	64	6.4	51	5.9	31	4.1	20.0
4	77	7.6	66	8.4	53	7.3	33	5.1	24.9
6	83	8.3	69	8.5	54	7.4	32	4.9	25.9
8	88	9.5	71	7.5	57	7.0	35	4.7	26.0
10	124	4.8	93	6.0	71	6.0	46	4.5	31.8
12	120	7.2	94	6.0	74	5.6	47	4.3	29.9
14	119	3.7	92	5.8	75	5.5	48	4.3	27.8
16	109	4.7	93	5.6	75	5.8	47	4.3	27.7
18	111	5.3	85	4.8	69	4.3	43	3.3	33.9
20	112	7.1	94	5.9	76	5.5	49	4.0	29.9
22	109	5.8	88	6.0	70	5.4	43	3.8	26.8
MEAN	103	6.5	83	6.6	66	6.1	41	4.4	27.4

NOV.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	113	6.6	86	5.4	66	5.2	42	3.8	25.4
2	111	7.9	84	6.7	64	5.7	38	3.9	22.3
4	113	6.8	79	7.1	64	6.0	39	4.2	21.8
6	98	5.5	81	7.4	65	6.1	40	4.4	18.4
8	129	9.1	98	7.7	78	7.3	45	4.8	13.8
10	107	10.0	81	8.3	65	7.0	40	4.6	8.9
12	175	10.8	124	9.0	89	8.3	53	5.5	11.2
14	162	9.5	133	9.8	108	9.9	64	6.6	8.7
16	205	9.3	117	8.1	84	6.9	50	4.3	13.5
18	187	11.0	124	8.8	95	7.6	58	5.3	7.8
20	222	6.1	129	7.6	93	7.0	53	4.9	9.3
22	154	9.3	120	7.2	93	7.9	58	6.1	6.8
MEAN	148	8.5	105	7.8	80	7.1	48	4.9	14.0

DEC. 1.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	9.4	101	9.9	78	8.9	45	6.3	7.2
2	307	4.7	130	9.5	93	9.5	54	7.3	5.4
4	118	8.6	103	10.0	77	9.4	44	7.0	-0.1
6	110	11.8	92	11.0	74	10.3	42	7.5	2.0
8	102	9.8	79	8.6	59	7.3	36	5.0	-0.8
10									
12	121	10.8	93	10.1	72	9.3	45	7.3	0.4
14	130	10.7	103	9.6	77	9.6	45	6.7	-2.5
16	127	11.5	97	8.8	76	6.8	45	4.2	7.5
18									
20	142	8.8	107	6.4	78	5.5	49	4.0	17.6
22	131	5.4	93	5.4	71	5.3	43	3.8	20.0
MEAN	142	9.1	100	8.9	76	8.2	45	5.9	5.7

NOV.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	192	3.5	125	7.1	101	7.6	63	6.3	9.9
2	245	9.4	152	9.3	114	8.3	66	6.6	-2.3
4	154	8.8	143	9.8	114	8.8	69	7.0	3.2
6	169	5.8	156	7.4	119	8.2	71	6.6	-0.9
8	241	7.5	179	8.0	139	8.4	87	6.9	-3.2
10	366	6.5	217	8.6	158	7.7	92	5.3	6.0
12	296	8.1	217	7.1	167	6.8	100	5.0	14.4
14	272	6.1	228	6.3	192	6.4	121	5.4	14.7
16	272	11.5	218	7.6	174	6.7	107	5.2	19.6
18	260	7.0	194	6.4	162	6.0	103	5.1	22.2
20	215	8.4	180	7.4	154	6.8	100	5.4	21.3
22	207	10.1	166	6.6	135	6.4	83	4.9	20.5
MEAN	241	7.7	181	7.6	144	7.3	89	5.8	10.4

DEC. 2.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	126	10.3	100	7.4	76	6.8	45	4.7	16.8
2	98	8.3	85	8.4	68	7.3	43	5.1	23.5
4	149	9.7	109	9.3	82	7.4	50	5.0	23.6
6	132	3.3	112	7.3	90	6.6	58	5.0	25.9
8	142	10.5	109	8.4	83	7.4	51	5.1	23.2
10	143	8.7	114	7.5	90	6.9	55	5.0	22.4
12	145	4.8	108	6.7	85	6.4	53	4.8	24.0
14	130	8.3	94	7.7	73	6.4	47	4.8	20.7
16	110	10.9	89	10.4	76	8.8	48	5.6	19.0
18	124	9.3	100	10.3	77	8.4	45	5.6	15.0
20	121	5.9	95	7.5	72	6.8	45	5.0	15.1
22	151	5.8	120	7.8	87	7.3	49	4.8	13.0
MEAN	131	8.0	103	8.2	80	7.2	49	5.0	20.2

NOV.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	10.1	176	8.4	131	7.3	80	5.6	16.3
2	198	8.0	160	8.1	133	7.6	83	6.1	15.3
4	176	8.2	138	7.2	107	7.1	61	4.6	17.7
6	154	6.6	133	9.1	108	8.0	68	6.1	16.1
8	175	7.8	146	6.9	114	7.1	69	5.5	16.3
10	164	8.5	134	6.9	107	7.0	68	5.4	15.9
12	125	8.0	105	8.3	84	7.1	52	4.9	14.7
14	164	11.0	116	7.8	91	7.3	54	5.0	14.2
16	142	3.9	112	7.9	80	6.8	44	4.5	12.0
18	128	10.1	102	7.6	77	8.1	47	5.8	9.9
20	132	11.6	102	8.3	79	7.9	47	5.8	8.1
22	151	10.9	101	9.3	78	8.8	45	5.9	9.8
MEAN	161	8.7	127	8.0	99	7.5	60	5.4	13.9

DEC. 3.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	10.7	97	7.6	75	7.1	47	5.1	13.3
2	129	11.6	101	10.4	74	8.1	44	5.3	8.5
4	124	12.1	94	10.8	70	8.7	43	5.8	11.8
6	118	8.7	95	9.9	76	9.0	42	5.5	12.1
8	137	8.4	87	6.6	65	5.4	38	3.3	14.5
10	126	11.8	102	9.4	82	8.8	48	5.5	9.2
12	111	6.8	91	9.4	74	8.3	45	5.3	9.3
14	121	10.8	100	10.4	75	8.2	43	5.0	11.3
16	127	10.5	87	8.6	66	6.6	40	4.3	5.5
18	126	11.9	102	9.3	79	7.1	48	4.6	18.3
20	141	4.9	97	5.9	76	5.4	47	3.8	19.6
22	176	9.2	137	6.8	103	6.1	62	4.8	1.3
MEAN	130	9.8	99	8.8	76	7.4	46	4.9	11.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 4.1986 TMEAM (SEC)	THETA (DEG)
0	206	5.7	165	6.9	130	6.4	74	4.9	-4.6
2	249	6.7	188	7.1	136	6.3	79	4.5	-8.3
4	263	9.0	200	7.3	151	7.8	96	6.4	-6.4
6	275	7.6	217	8.4	157	7.9	90	6.1	-6.2
8	204	8.8	160	8.2	128	7.6	72	5.3	-2.6
10	195	7.9	146	8.0	107	7.6	62	5.2	-2.5
12	172	10.6	129	8.6	105	8.9	66	7.3	1.0
14	146	9.3	130	9.3	102	8.9	65	7.5	2.7
16									
18	143	11.1	130	9.5	103	10.0	59	7.3	6.5
20	188	10.0	158	10.6	111	10.9	65	8.4	8.9
22	195	11.3	141	10.3	101	8.7	57	6.9	4.5
MEAN	203	8.9	160	8.6	121	8.3	71	6.3	-0.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 7.1986 TMEAM (SEC)	THETA (DEG)
0	144	10.2	105	10.5	77	9.8	43	6.3	10.7
2	113	10.8	87	10.5	67	9.3	41	6.3	7.0
4	153	11.6	119	10.2	82	8.8	47	5.8	-1.6
6	121	10.4	106	9.8	84	9.7	52	6.9	-9.7
8	82	10.8	75	11.1	65	9.6	40	6.6	-11.1
10	87	7.5	76	9.3	60	8.4	36	5.9	0.2
12	96	10.8	77	9.8	63	9.1	37	6.5	-4.1
14	100	9.7	85	10.2	65	9.1	37	5.8	0.6
16	113	11.1	81	8.1	59	5.9	34	3.6	4.2
18	105	6.8	75	7.1	59	6.0	38	4.0	38.6
20	93	9.1	75	6.3	59	5.4	37	3.6	49.6
22	104	8.5	76	8.6	59	6.5	38	4.5	31.2
MEAN	109	9.8	86	9.3	67	8.1	40	5.5	9.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 5.1986 TMEAM (SEC)	THETA (DEG)
0	184	12.3	151	11.3	116	9.9	64	7.6	1.9
2	194	12.1	131	10.3	97	10.1	55	8.1	5.0
4	149	10.9	123	11.3	87	11.0	51	8.6	7.5
6	108	11.8	92	10.3	72	10.6	43	7.9	7.2
8	113	11.2	87	11.5	64	10.9	35	6.8	5.6
10	95	11.8	76	10.7	59	10.3	32	6.0	15.7
12	117	12.6	86	12.0	68	11.8	39	7.6	10.9
14	107	12.5	97	12.3	74	12.0	42	8.5	9.6
16	103	13.0	92	12.5	73	10.4	42	6.6	13.3
18	123	9.4	95	9.8	69	8.1	41	5.4	25.0
20	139	8.0	95	9.3	71	7.9	42	5.2	25.2
22	141	14.4	105	9.0	78	8.2	46	5.6	21.8
MEAN	131	11.7	103	10.9	77	10.1	44	7.0	12.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 8.1986 TMEAM (SEC)	THETA (DEG)
0	112	7.0	90	6.8	71	5.6	46	3.9	43.8
2	144	3.2	104	5.8	81	5.1	49	3.7	34.5
4	185	6.4	130	6.3	97	6.4	61	4.8	25.0
6	166	6.9	134	8.4	102	7.6	61	5.3	26.8
8	232	12.4	148	9.9	112	8.1	68	5.9	24.8
10									
12	276	7.7	218	7.8	167	8.6	100	7.1	22.6
14	253	14.2	205	9.5	155	8.3	90	6.5	21.9
16	229	11.1	197	10.3	164	9.4	101	7.1	21.9
18	209	7.8	183	9.8	142	8.8	84	6.8	22.5
20									
22	322	11.9	193	9.8	145	9.1	85	7.5	19.5
MEAN	213	8.9	160	8.4	124	7.7	75	5.9	26.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 6.1986 TMEAM (SEC)	THETA (DEG)
0	138	8.3	118	8.5	87	7.9	51	6.1	14.4
2	172	5.1	130	8.4	94	7.8	55	6.2	17.6
4	105	8.8	95	8.3	80	8.8	47	6.8	15.4
6	128	8.8	106	9.8	80	9.3	49	7.0	14.2
8	143	9.1	107	10.1	81	9.4	48	6.4	13.3
10	109	10.1	97	9.7	78	9.7	44	6.3	13.5
12	134	9.6	101	10.6	70	9.3	38	5.8	10.9
14	177	11.3	109	9.7	80	9.1	47	6.1	12.5
16	142	10.3	112	10.5	82	9.3	46	6.1	11.7
18	124	9.4	104	10.4	78	9.0	45	5.6	12.4
20	116	10.3	79	7.7	58	6.5	34	4.0	14.9
22	126	11.8	99	9.1	76	7.9	45	5.6	9.7
MEAN	135	9.4	105	9.4	79	8.7	46	6.0	13.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 9.1986 TMEAM (SEC)	THETA (DEG)
0	236	8.7	196	9.3	155	9.5	97	8.0	18.2
2	250	8.5	184	10.3	143	8.8	86	7.2	18.4
4	216	12.0	185	11.3	144	9.4	83	7.3	17.7
6	210	10.9	172	11.5	136	10.3	85	8.1	15.7
8	215	11.8	179	10.3	135	10.1	80	7.9	15.4
10	172	10.8	149	9.4	120	10.5	76	8.6	15.7
12	204	12.5	166	12.3	128	11.4	72	8.9	12.0
14	178	10.0	132	11.3	110	10.8	70	8.3	11.3
16	191	12.3	150	11.4	114	10.4	69	8.3	8.4
18	237	10.9	199	11.2	142	10.3	81	8.6	8.9
20	181	10.7	137	10.3	101	9.8	58	7.5	9.4
22	135	12.9	114	11.8	86	10.3	47	7.1	10.1
MEAN	202	11.0	164	10.9	126	10.1	75	8.0	13.4

DEC.10.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	10.8	105	10.7	81	10.3	49	7.7	12.4
2	100	10.3	89	9.8	76	10.1	47	7.7	12.5
4	103	10.3	88	10.4	71	10.8	42	7.7	12.1
6									
8	123	12.3	93	11.1	72	9.8	40	6.3	10.2
10	127	11.0	84	9.6	59	8.9	34	5.7	16.8
12	244	7.0	95	9.4	63	9.5	34	6.4	13.1
14	110	10.0	83	10.8	60	9.1	33	6.1	6.4
16									
18									
20									
22									
MEAN	134	10.2	91	10.3	69	9.8	40	6.8	11.9

DEC.11.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.12.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.13.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.14.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	202	10.3	159	7.6	121	8.3	68	6.1	8.2
18									
20	253	9.7	173	8.3	123	8.3	75	6.8	0.7
22	273	12.1	178	9.2	122	8.2	73	6.5	7.2
MEAN	243	10.7	170	8.4	122	8.3	72	6.5	5.4

DEC.15.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	235	6.4	192	8.1	146	7.3	86	5.1	10.3
2	331	5.9	238	5.3	176	6.0	105	4.8	20.1
4	340	5.9	288	5.9	223	5.9	137	5.0	28.6
6	359	5.3	315	6.3	249	5.6	146	4.9	29.9
8	342	5.8	309	6.8	264	7.0	172	5.5	30.6
10	325	8.5	258	8.0	222	7.6	144	5.9	22.5
12	310	8.0	270	8.4	230	8.3	150	6.4	21.7
14	325	8.5	264	7.5	227	7.4	153	6.4	20.9
16	301	7.1	264	9.6	230	8.4	149	6.6	19.9
18	285	9.0	250	8.4	213	8.4	131	6.3	20.7
20	231	10.8	200	7.6	163	6.7	95	4.6	16.8
22	215	11.3	180	8.6	147	7.1	92	5.1	20.8
MEAN	300	7.7	252	7.5	208	7.1	130	5.5	21.9

DEC.16.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	235	9.5	205	10.0	175	8.8	115	6.9	19.5
2	278	12.4	237	9.3	186	8.3	116	6.5	18.1
4	315	6.8	239	9.0	183	9.3	116	7.4	18.7
6	371	11.2	228	8.2	178	8.3	110	6.8	17.1
8	292	10.5	242	9.4	196	8.4	122	7.3	20.0
10	275	11.3	227	10.0	186	8.6	116	6.9	16.2
12	322	8.9	249	9.3	195	9.0	105	6.2	20.3
14	293	10.3	232	9.2	172	8.4	95	5.8	22.8
16	232	9.6	180	9.4	147	8.4	96	6.6	23.4
18	223	7.8	187	8.4	139	7.7	75	5.3	21.0
20	208	9.8	170	8.6	133	7.9	77	6.0	17.1
22	200	10.3	179	8.7	144	8.4	84	6.2	22.0
MEAN	270	9.9	215	9.1	170	8.5	102	6.5	19.7

DEC.17.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	208	11.2	164	9.3	126	8.0	73	5.8	22.5
2	157	5.1	138	8.3	109	8.5	68	6.4	19.0
4	141	6.9	128	8.8	105	8.8	64	6.6	17.7
6	126	10.2	98	8.9	77	7.4	46	5.0	14.1
8	103	9.0	89	9.0	72	8.5	45	5.9	15.1
10									
12	124	7.2	95	7.6	74	6.7	44	4.3	23.5
14	207	6.9	127	5.6	103	5.2	65	3.9	31.9
16	250	4.7	165	5.4	132	5.3	82	4.1	32.3
18	228	4.5	181	5.8	144	5.6	91	4.6	30.8
20	232	7.2	187	6.7	152	6.5	97	5.3	22.2
22	220	7.9	178	6.6	151	6.7	97	5.4	24.1
MEAN	181	7.3	141	7.5	113	7.0	70	5.2	23.0

DEC.18.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	6.1	167	7.4	141	7.3	87	5.6	22.0
2	175	7.4	154	7.6	124	6.6	75	5.0	22.2
4	204	9.7	144	7.1	113	6.0	68	4.1	17.5
6	158	8.5	129	7.6	96	7.0	57	4.6	24.3
8	122	9.9	94	6.7	75	5.8	48	4.0	18.8
10									
12									
14	133	8.5	119	8.6	97	8.0	59	5.8	14.6
16	188	8.4	155	8.3	116	8.6	68	6.8	16.0
18	180	9.3	129	8.1	103	8.3	64	6.5	14.1
20	144	8.0	126	8.4	104	7.9	63	5.9	11.2
22	174	10.9	140	8.4	108	8.0	67	6.1	9.6
MEAN	166	8.7	136	7.8	108	7.3	66	5.4	17.0

DEC.19.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	6.4	184	7.1	152	7.2	92	5.9	1.2
2	294	9.0	217	8.6	168	7.8	104	6.2	-7.7
4	288	9.9	238	9.2	194	8.4	115	6.1	-13.6
6	293	9.9	261	9.9	208	8.6	123	6.6	-8.4
8	291	11.1	255	9.5	215	9.1	133	7.0	-11.6
10									
12									
14									
16									
18									
20									
22									
MEAN	276	9.3	231	8.9	187	8.2	113	6.4	-8.0

DEC.20.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.21.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.22.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.23.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.24.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.25.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.26.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.27.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.28.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.29.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.30.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.31.1986

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 4.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 5.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 6.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20	142	8.9	109	8.8	82	9.4	45	6.2	12.4
22	130	12.8	106	11.1	82	10.6	45	7.2	11.8
MEAN	136	10.8	108	9.9	82	10.0	45	6.7	12.1

JAN.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	12.4	109	12.4	76	9.9	42	6.5	10.2
2	144	14.4	116	13.1	88	11.5	51	8.3	7.3
4	149	14.2	122	13.2	98	12.0	56	8.3	6.8
6	165	10.8	107	12.4	79	10.3	44	6.4	9.8
8	119	12.9	83	10.1	65	10.0	38	6.9	14.6
10									
12	128	9.7	87	11.1	66	11.1	38	7.5	13.3
14	80	11.7	74	11.9	62	11.3	37	7.6	11.6
16	87	11.3	69	11.0	53	10.8	31	7.2	9.8
18	83	10.4	70	11.6	54	10.5	30	6.9	11.1
20	82	9.5	65	10.1	46	9.1	25	5.5	15.8
22	118	9.6	87	11.4	64	10.1	33	6.3	8.9
MEAN	117	11.5	90	11.7	68	10.6	39	7.0	10.8

JAN.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	13.6	84	12.1	60	10.3	32	6.6	9.6
2	90	11.6	74	11.1	55	11.3	32	7.5	10.9
4	95	11.9	70	10.8	51	9.1	28	5.9	4.0
6	93	11.1	67	11.5	48	10.1	27	7.0	7.6
8	93	12.1	65	11.3	48	10.2	28	6.8	6.3
10	76	11.4	56	9.8	43	8.4	24	5.4	4.4
12	63	8.8	52	9.8	38	8.3	18	4.6	3.9
14	61	10.4	52	11.8	43	11.3	27	7.3	0.5
16	71	8.6	57	8.8	42	7.9	25	4.8	4.0
18	66	10.9	49	8.0	38	7.0	23	4.6	5.8
20	70	9.9	61	11.3	47	11.0	27	7.1	6.6
22	76	11.8	59	11.8	44	9.9	24	6.6	4.7
MEAN	80	11.0	62	10.7	46	9.6	26	6.2	5.7

JAN.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	77	9.9	69	10.7	54	9.6	32	6.6	4.7
2	74	12.0	67	11.6	53	10.6	30	7.3	2.4
4	68	11.4	55	11.1	43	9.5	24	6.1	1.2
6	74	9.0	61	9.3	45	8.2	27	5.0	-3.2
8	63	9.0	54	10.5	45	10.3	26	6.7	-4.2
10	60	11.4	52	10.3	41	9.9	24	6.3	-2.6
12	86	11.9	62	10.1	48	9.2	27	6.3	-4.7
14	71	11.3	55	9.7	43	9.3	26	6.4	-7.5
16	95	10.1	58	8.3	44	6.7	25	3.9	-8.7
18	103	7.9	73	5.7	57	4.9	36	3.5	32.8
20									
22	91	2.9	65	4.6	51	3.8	35	2.6	39.4
MEAN	78	9.7	61	9.3	48	8.4	28	5.5	4.5

JAN.31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	144	4.6	107	5.0	81	5.0	52	3.8	26.4
2	151	7.2	97	6.6	74	6.6	46	5.3	19.3
4	136	5.7	100	6.6	77	6.6	48	4.5	20.0
6	129	4.4	88	5.8	68	5.3	43	3.8	25.3
8	113	5.4	88	5.3	71	4.7	44	3.3	31.0
10	108	5.4	88	5.4	71	5.1	44	3.8	23.7
12	121	6.1	92	6.3	75	5.8	47	4.2	23.6
14	122	7.1	91	6.4	70	5.5	43	3.8	17.6
16	131	7.3	107	6.1	84	5.5	54	3.8	19.1
18	158	6.1	131	5.8	106	5.4	67	3.9	32.1
20	130	6.9	107	6.1	88	5.9	56	4.6	23.6
22	142	9.0	110	6.3	86	6.3	55	4.8	19.5
MEAN	132	6.3	101	6.0	79	5.6	50	4.1	23.4

FEB. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	6.4	115	6.5	93	6.3	58	5.1	20.4
2	140	5.6	114	6.0	88	5.5	54	4.1	22.0
4	122	5.4	95	8.0	74	6.9	45	5.4	18.9
6	102	6.8	86	6.2	71	5.8	46	4.6	29.3
8	117	6.1	90	5.1	72	4.5	46	3.4	32.3
10	126	11.3	94	6.1	75	5.4	47	3.9	24.9
12	97	6.6	79	6.6	64	5.5	41	3.8	34.4
14	109	7.3	84	7.1	67	6.4	43	4.5	21.0
16	122	4.6	99	5.6	79	4.8	48	3.3	19.1
18	153	6.0	114	4.8	90	4.8	58	3.7	32.0
20	166	4.2	115	5.4	91	5.1	57	3.9	34.0
22	122	6.3	98	6.1	78	5.3	48	3.6	23.1
MEAN	126	6.4	99	6.1	79	5.5	49	4.1	25.9

FEB. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	139	6.9	104	5.6	83	4.9	53	3.8	26.7
2	135	5.2	102	5.3	85	5.1	55	3.8	34.8
4	138	7.3	108	4.9	87	4.8	55	3.5	32.0
6	208	4.8	138	5.1	107	4.8	68	3.8	28.3
8	139	6.8	108	6.1	86	5.3	53	3.8	26.7
10	161	4.4	111	4.6	87	3.9	55	2.8	24.4
12	238	4.8	147	5.3	115	4.9	72	4.0	24.3
14	195	5.1	158	5.7	123	5.6	74	4.1	16.5
16	211	5.9	169	5.7	134	5.3	86	4.1	23.5
18	311	6.3	211	5.4	159	5.3	99	4.3	20.2
20									
22	245	6.0	218	7.3	193	6.8	131	5.5	17.0
MEAN	193	5.8	143	5.5	114	5.2	73	4.0	24.9

FEB. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	252	7.8	215	7.8	187	7.3	125	5.9	9.0
2	293	10.5	221	7.5	183	7.0	109	5.1	4.5
4	332	9.1	263	8.3	206	7.4	123	5.3	16.6
6	376	9.8	299	9.1	249	9.3	153	6.8	18.2
8	338	9.7	308	9.9	245	9.3	153	7.1	17.6
10	305	11.4	270	10.7	224	9.1	139	6.7	9.9
12	342	6.8	270	10.3	227	9.8	147	7.4	11.8
14	284	11.3	249	10.0	209	8.6	132	6.7	16.6
16									
18	370	11.0	298	9.5	238	8.9	149	7.3	23.9
20	331	10.9	288	10.8	240	9.6	144	7.3	20.0
22	286	11.7	256	12.8	227	11.0	157	8.9	18.8
MEAN	319	10.0	267	9.7	221	8.8	139	6.8	15.2

FEB. 4.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	278	13.8	237	11.1	197	10.1	121	7.1	19.2
2	275	16.5	242	11.5	209	11.4	135	7.8	18.1
4	309	10.6	260	10.3	216	9.8	126	7.1	18.2
6	386	12.3	288	13.5	231	10.7	138	7.8	19.0
8	348	16.3	294	12.8	255	11.5	158	8.3	21.4
10	334	11.9	278	13.1	228	11.3	133	7.6	16.5
12	257	16.8	221	14.3	186	10.9	117	7.6	15.0
14	256	19.5	213	14.6	185	11.5	122	8.2	11.5
16	277	12.5	218	13.4	180	10.4	110	7.5	13.0
18	267	14.9	236	13.2	199	10.8	122	8.1	13.1
20	279	13.9	241	11.8	207	10.3	131	8.2	17.0
22	260	11.5	227	12.0	198	11.4	125	8.1	15.8
MEAN	294	14.2	246	12.6	208	10.8	128	7.8	16.5

FEB. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	4.0	186	4.8	152	5.6	88	5.5	13.0
2	212	8.7	175	6.8	135	5.8	77	4.9	16.2
4	214	10.3	173	8.8	133	6.7	77	5.1	15.1
6									
8	216	12.8	187	9.6	144	8.1	84	5.9	20.0
10	235	8.5	181	6.9	134	5.7	74	4.1	17.0
12	207	3.6	183	7.8	146	6.9	86	5.7	12.4
14	216	4.6	163	6.8	128	6.1	73	4.8	13.6
16	175	5.4	147	5.9	115	5.5	67	4.6	13.5
18	189	4.1	155	4.4	124	5.6	70	4.8	12.2
20	170	7.4	143	6.1	114	5.8	65	4.6	9.0
22	176	5.1	141	6.1	110	6.6	64	5.6	9.0
MEAN	202	6.8	167	6.7	130	6.2	75	5.1	13.7

FEB. 5.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	235	14.2	211	12.1	174	10.1	104	6.8	15.7
2	238	14.6	205	11.6	172	9.9	104	7.6	13.6
4	261	15.7	230	13.5	188	10.4	113	7.5	13.4
6	280	13.0	249	12.8	218	11.8	132	7.4	18.5
8	294	14.0	261	11.1	229	10.8	148	8.0	16.7
10									
12									
14									
16									
18									
20									
22									
MEAN	262	14.3	231	12.2	196	10.6	120	7.5	15.6

FEB. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	158	7.3	139	6.8	113	6.7	67	5.6	3.4
2	182	4.7	145	6.3	112	7.6	68	5.9	6.5
4	154	7.2	127	6.9	91	7.5	55	6.1	1.4
6	153	8.9	108	8.2	80	7.8	48	5.5	3.4
8	160	8.3	97	7.3	75	6.4	45	4.3	4.7
10	156	9.1	137	8.6	105	7.9	66	6.0	16.0
12	131	5.9	100	7.3	81	6.8	50	5.0	17.2
14	126	5.8	105	5.9	82	6.1	50	4.1	13.1
16	150	4.4	113	5.1	89	4.9	55	3.4	22.9
18	184	5.0	112	4.7	87	4.5	53	3.1	19.6
20	124	6.4	95	4.8	75	4.3	46	3.0	19.2
22	130	4.8	101	6.4	85	5.9	56	4.5	22.0
MEAN	151	6.5	115	6.5	90	6.4	55	4.7	12.4

FEB. 6.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	218	9.2	181	9.9	145	7.8	85	6.4	19.6
16									
18	201	10.0	155	6.8	123	5.8	69	5.1	17.0
20	227	12.3	182	6.4	159	5.9	87	5.6	14.1
22	224	8.2	189	7.1	156	6.6	85	5.8	16.1
MEAN	218	9.9	177	7.5	146	6.5	82	5.7	16.7

FEB. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	116	8.6	98	6.1	78	6.1	50	4.4	21.3
2	109	4.8	88	6.0	69	6.6	43	4.6	13.8
4	130	6.0	98	7.2	72	7.3	42	4.8	9.6
6	119	4.9	101	7.8	76	8.3	44	5.8	8.6
8	106	5.4	90	9.8	70	9.2	41	5.7	9.4
10	167	11.4	113	7.1	81	6.3	51	4.4	8.2
12	185	4.3	140	7.0	103	7.8	60	6.3	8.9
14	204	5.3	161	5.6	115	6.9	67	5.9	9.1
16	184	9.3	148	7.9	108	7.3	57	5.1	14.0
18	180	10.5	136	5.2	102	5.8	57	4.9	17.5
20	187	3.7	157	5.5	113	4.8	63	4.6	20.2
22	141	4.4	123	5.8	91	7.0	52	5.3	8.2
MEAN	152	6.5	121	6.7	90	6.9	52	5.1	12.4

FEB.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	9.2	145	5.9	105	6.4	60	5.8	13.7
2	164	5.0	125	8.4	98	8.3	55	6.7	3.4
4	161	3.9	113	7.3	82	7.5	46	6.1	3.5
6	180	11.5	116	8.0	83	8.5	46	6.4	2.3
8	177	5.1	142	6.5	88	8.4	48	6.7	9.4
10	192	5.1	160	6.9	112	7.5	61	6.5	8.0
12									
14									
16									
18	134	9.0	103	6.9	74	7.1	41	4.7	0.8
20	156	8.5	116	4.8	85	5.1	45	3.9	10.6
22									
MEAN	173	7.2	128	6.8	91	7.3	50	5.8	6.5

FEB.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	6.0	88	6.8	58	6.2	32	4.3	6.2
2	123	8.4	90	8.8	64	8.2	38	6.1	3.7
4									
6	166	5.1	145	5.4	108	7.9	61	7.3	6.2
8	175	5.8	137	6.6	100	8.2	58	7.4	8.7
10	110	12.3	99	8.2	76	8.6	41	6.3	-0.8
12	141	7.3	100	7.1	72	6.2	44	3.9	-1.4
14	88	8.4	72	8.9	55	8.1	30	4.9	2.8
16	159	5.6	122	7.8	88	7.8	50	5.9	-0.4
18	132	5.5	104	6.8	82	7.0	48	5.9	-0.7
20	138	4.8	115	6.0	84	6.7	49	5.4	3.1
22	132	5.3	98	6.1	71	7.1	41	5.3	-1.8
MEAN	134	6.8	106	7.1	78	7.5	45	5.7	2.3

FEB.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	137	5.3	81	4.6	59	4.8	39	3.5	-6.0
2	105	8.5	86	9.5	66	8.7	41	6.8	-5.9
4	104	5.1	85	8.8	67	8.5	41	6.3	-11.0
6	116	8.6	81	9.1	63	8.6	37	5.8	-7.0
8	94	7.1	75	7.5	59	7.0	35	4.8	-18.9
10	115	7.9	89	7.8	71	6.9	43	4.9	-15.2
12	204	4.8	140	4.4	112	4.4	74	3.8	23.5
14	234	4.9	190	5.8	162	5.8	111	4.8	25.7
16	242	4.4	211	6.0	176	6.0	113	4.9	23.3
18	233	7.9	175	6.8	141	5.9	83	4.0	20.3
20	197	6.0	158	6.3	127	5.9	77	4.4	17.1
22	169	4.8	139	5.8	113	5.2	69	4.2	13.5
MEAN	163	6.3	126	6.9	101	6.5	64	4.8	4.9

FEB.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	183	7.4	149	5.7	121	5.7	75	4.4	16.0
2	193	10.4	166	7.9	139	6.7	88	5.3	20.6
4	210	5.6	182	6.8	155	6.2	101	5.1	23.7
6	209	5.8	180	7.3	149	6.6	93	5.3	18.3
8	197	4.6	166	6.4	140	6.0	92	5.1	20.1
10	201	8.3	164	7.6	133	6.3	81	4.6	20.2
12	206	5.9	167	7.0	131	6.6	80	5.2	14.3
14	186	7.7	155	6.9	125	6.5	76	5.1	13.6
16	209	5.3	160	7.3	125	7.2	76	5.3	14.2
18	183	8.0	150	7.3	119	6.5	70	5.3	11.9
20	151	6.9	128	5.9	106	5.6	63	4.6	17.7
22	154	7.3	125	5.6	101	5.3	64	4.4	13.8
MEAN	190	6.9	158	6.8	129	6.3	80	5.0	17.0

FEB.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	163	8.9	131	5.3	105	5.3	64	4.5	11.6
2	153	6.6	123	6.8	96	7.3	57	5.8	10.8
4	141	7.8	106	8.0	80	8.0	48	6.1	1.4
6	114	6.7	88	7.5	68	7.4	41	5.9	-2.9
8	104	7.1	84	7.3	65	7.8	38	5.9	-5.9
10									
12	69	7.9	60	7.5	48	7.8	29	5.8	-10.0
14	59	7.7	48	8.0	36	6.8	21	3.9	-1.2
16	64	8.3	51	6.6	41	5.2	26	3.3	-51.3
18	82	8.8	65	6.9	52	6.3	32	4.3	42.2
20	94	5.1	75	6.8	56	6.1	36	5.1	14.3
22	94	7.1	80	5.7	62	5.8	37	4.4	13.6
MEAN	103	7.5	83	6.9	64	6.7	39	5.0	2.1

FEB.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	5.4	101	4.9	85	5.1	51	4.1	19.5
2	144	7.5	123	5.9	99	6.0	62	4.8	20.0
4	112	6.5	97	6.3	79	6.3	46	4.6	18.3
6	106	6.0	87	6.1	68	5.3	43	3.6	21.6
8	114	5.9	92	6.2	76	5.9	48	4.6	14.9
10	104	4.6	86	6.1	71	5.9	44	4.4	11.9
12	128	5.9	103	5.7	81	6.0	50	4.6	15.1
14	136	6.0	102	6.2	79	6.3	46	4.4	11.5
16	132	9.0	98	7.0	75	6.3	43	4.1	7.5
18	127	6.9	101	6.8	78	7.0	47	5.1	9.2
20	128	6.3	106	6.6	81	6.8	48	5.1	7.0
22	107	4.9	90	5.9	73	5.8	48	4.9	9.3
MEAN	122	6.2	99	6.1	79	6.1	48	4.5	13.8

FEB.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	7.0	85	5.6	71	6.0	43	4.6	12.2
2	117	7.6	91	7.3	70	7.2	41	5.3	8.8
4	134	4.9	100	6.9	70	7.2	44	5.9	7.8
6	107	7.8	86	7.1	70	6.8	46	5.6	7.9
8	102	8.0	81	8.6	64	7.8	41	5.8	7.1
10	92	4.8	76	6.9	61	6.9	35	4.9	8.7
12	100	4.8	73	6.8	56	6.1	32	3.9	4.8
14	99	4.8	73	6.3	58	5.2	34	3.4	14.8
16	135	6.3	90	5.6	69	5.0	44	3.6	31.3
18	121	4.5	83	6.1	61	5.1	36	3.3	27.5
20	89	4.6	72	6.1	60	6.5	37	4.7	23.7
22	105	4.6	79	5.3	62	6.1	39	4.6	22.6
MEAN	108	5.8	82	6.5	64	6.3	39	4.6	14.8

FEB.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	90	7.0	71	5.6	54	5.6	34	4.4	12.7
2	82	5.1	61	6.3	50	6.1	33	4.6	17.3
4	81	4.8	66	6.6	53	6.4	35	5.3	13.2
6	80	6.9	63	6.4	49	6.1	30	4.4	9.3
8	72	6.1	60	6.6	49	6.0	31	4.7	12.1
10	93	4.3	67	6.3	49	6.0	29	4.5	8.6
12	80	7.4	66	6.8	53	6.5	33	4.9	5.9
14	74	6.1	65	6.8	52	6.8	32	4.6	2.8
16	81	6.6	66	7.3	54	7.8	32	5.1	5.7
18	77	8.8	68	6.8	55	6.8	33	4.8	5.1
20	105	3.3	80	7.1	62	6.8	39	5.1	5.8
22	120	6.4	84	5.8	62	5.4	36	3.6	7.6
MEAN	86	6.1	68	6.5	54	6.4	33	4.7	8.8

FEB.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	109	5.1	86	5.0	68	4.3	42	2.8	19.2
2	131	5.9	104	4.9	86	4.4	55	3.5	19.2
4	191	4.8	128	4.3	99	4.3	63	3.6	20.7
6	195	5.8	164	4.6	137	4.8	90	4.1	18.5
8	200	4.9	174	5.5	149	5.6	95	4.6	20.2
10	206	7.3	170	6.1	141	5.5	87	4.2	15.1
12	162	6.9	143	6.1	119	5.4	69	3.9	16.3
14	184	5.3	158	6.0	129	5.8	84	4.6	17.6
16	208	7.9	171	6.0	140	6.1	90	4.8	17.9
18	225	7.1	174	6.4	148	6.1	96	5.1	14.1
20	188	6.5	160	5.8	131	6.0	82	4.9	13.0
22	222	6.9	167	6.1	128	5.6	73	4.5	11.4
MEAN	185	6.2	150	5.6	123	5.3	77	4.2	16.9

FEB.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	186	12.3	156	6.6	130	6.0	78	4.9	5.8
2	213	9.5	174	6.9	143	6.1	86	5.0	-3.7
4	224	12.1	193	8.3	161	7.6	94	5.9	0.8
6	219	7.8	180	6.1	138	7.1	82	6.1	0.8
8	167	8.9	145	7.8	118	7.5	75	6.1	3.8
10	199	4.8	157	6.3	124	6.1	72	4.3	9.3
12	204	3.8	163	5.8	124	5.8	75	4.8	11.0
14	210	4.2	158	4.5	130	5.1	79	4.3	11.3
16	172	4.6	140	5.1	112	5.3	69	4.3	16.6
18	174	5.3	146	5.6	118	5.9	70	4.4	21.2
20	217	7.6	158	5.1	125	5.5	77	4.6	15.8
22	176	6.6	145	6.4	117	6.3	71	4.9	17.1
MEAN	197	7.3	160	6.2	128	6.2	77	5.0	9.1

FEB.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	192	4.1	147	6.3	117	6.3	72	4.9	18.2
2	197	6.1	144	6.8	115	5.9	69	4.7	15.9
4	180	7.1	155	6.1	124	6.1	75	5.1	18.1
6	203	9.6	149	6.9	113	6.4	70	5.1	17.0
8	212	10.0	151	6.7	114	6.5	69	4.9	13.9
10	203	4.3	155	6.5	125	6.3	76	5.2	13.1
12	202	6.3	158	6.9	124	6.0	73	4.8	16.6
14	176	11.6	147	5.4	117	5.2	71	4.8	16.1
16	203	3.8	164	5.6	128	5.6	71	4.9	16.5
18	203	4.3	175	6.7	143	6.4	81	5.6	14.3
20	205	9.3	181	9.0	147	7.1	86	5.9	9.4
22	192	8.3	149	6.3	114	7.6	66	6.1	8.8
MEAN	197	7.1	156	6.6	123	6.3	73	5.2	14.8

FEB.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	7.1	143	6.3	104	5.4	61	3.8	11.3
2	136	5.9	116	6.6	92	6.6	57	5.2	10.1
4	204	6.1	152	7.4	117	6.4	65	4.4	14.1
6	203	3.5	147	7.1	112	7.0	66	5.2	16.9
8	218	3.6	160	7.3	126	6.7	74	5.0	20.0
10	159	5.4	141	5.9	118	6.3	72	4.9	14.2
12	205	3.9	151	6.8	117	5.8	69	4.7	15.8
14	182	7.1	140	5.2	106	5.4	60	4.5	11.2
16	170	4.3	140	5.0	107	5.9	61	4.6	9.7
18	188	6.3	155	6.6	121	6.8	70	5.5	12.0
20	171	8.0	136	6.6	104	6.6	60	5.5	12.5
22	185	4.2	148	7.8	110	8.1	62	6.3	12.5
MEAN	184	5.4	144	6.5	111	6.4	65	5.0	13.4

FEB.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	205	8.6	153	5.3	107	5.0	61	3.7	9.5
2	197	8.3	165	8.1	125	7.5	68	5.7	4.7
4	200	8.0	164	7.9	115	7.2	61	4.8	7.8
6	181	6.5	140	7.9	102	7.0	59	4.8	4.3
8	213	4.6	191	8.3	149	7.8	86	6.1	7.3
10	230	6.8	167	5.6	123	5.9	70	4.8	6.1
12	190	3.9	160	5.4	125	5.3	74	4.4	7.6
14	201	4.1	153	5.0	122	5.2	72	4.4	6.5
16	171	5.9	148	5.1	119	5.0	71	4.1	4.8
18	193	3.3	155	5.9	119	5.4	72	3.8	7.7
20	187	8.1	153	5.6	127	5.8	83	5.1	7.3
22	219	6.4	182	6.9	154	6.1	96	5.1	9.0
MEAN	199	6.2	161	6.4	124	6.1	73	4.7	6.9

FEB.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	227	10.1	194	6.0	165	5.8	99	4.9	4.8
2	283	8.8	216	9.0	176	7.5	110	5.6	-0.1
4	239	8.8	204	6.4	169	6.8	105	5.4	-2.2
6	225	7.5	207	8.4	182	7.8	119	6.1	-0.9
8	297	4.7	229	8.0	195	7.6	126	6.0	3.0
10	265	7.5	208	7.3	167	7.1	102	5.5	5.7
12	244	6.8	199	7.8	165	6.9	99	5.7	4.5
14	202	4.5	177	8.1	146	6.8	91	5.4	-1.5
16	236	5.2	167	7.8	135	6.5	79	5.1	4.0
18	168	7.0	137	6.5	110	5.4	62	3.9	5.6
20	185	7.8	150	6.6	114	5.2	64	3.8	2.4
22									
MEAN	234	7.2	190	7.4	157	6.7	96	5.2	2.3

FEB.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	9.3	192	7.4	148	7.3	85	5.9	2.0
2	216	4.3	186	7.0	138	7.6	77	6.5	2.1
4	208	9.1	168	8.0	137	7.9	84	6.8	1.8
6	176	9.8	161	8.3	129	8.3	77	7.0	3.8
8	190	9.6	158	7.8	122	7.8	71	6.6	2.2
10	221	9.0	187	9.3	135	8.3	74	6.6	2.4
12	233	9.7	164	7.3	134	8.2	80	6.9	4.2
14	238	7.1	163	7.4	118	7.1	68	6.0	3.5
16	190	5.3	164	7.1	133	7.6	74	5.8	3.4
18	200	8.5	153	6.9	126	6.7	75	5.4	11.5
20	216	4.5	159	8.9	129	7.0	73	5.6	16.7
22	185	9.3	156	8.8	134	7.1	77	5.4	17.6
MEAN	208	8.0	168	7.8	132	7.6	76	6.2	5.9

FEB.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	227	5.0	199	8.3	152	8.5	82	6.3	5.9
4	246	9.4	178	9.1	124	8.3	68	6.3	0.6
6	231	11.3	168	9.3	117	7.8	66	5.8	4.1
8	176	9.8	150	9.2	115	9.2	66	6.8	1.8
10	255	10.4	151	8.1	101	8.1	57	5.1	8.5
12	134	9.7	105	8.3	84	8.8	49	6.1	10.0
14	195	9.8	134	6.9	99	6.3	59	4.3	35.1
16	246	8.9	152	7.0	111	6.4	60	4.5	24.1
18	148	5.8	122	6.3	90	6.6	55	4.9	18.0
20	178	6.5	133	7.6	102	6.1	53	4.9	14.1
22	156	10.4	128	6.4	92	6.6	49	6.1	16.2
MEAN	199	8.8	147	7.9	108	7.5	60	5.6	12.6

FEB.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	7.6	111	8.9	72	8.3	38	6.0	11.5
2	81	10.3	74	10.3	56	10.3	33	7.9	4.3
4	58	10.1	50	10.8	40	10.4	23	7.5	3.1
6									
8	62	10.8	55	11.3	43	10.6	24	7.4	3.8
10	66	11.3	45	10.9	36	10.2	19	5.8	-7.2
12	74	7.5	54	6.7	44	5.8	32	3.5	-3.5
14	75	9.8	59	11.4	40	11.1	22	6.9	-3.1
16	56	9.3	45	9.3	35	7.6	19	4.1	-2.8
18	89	7.8	75	8.5	58	8.3	31	5.9	2.1
20	122	4.2	78	4.3	55	4.3	33	3.4	1.8
22	144	3.7	96	4.8	63	6.8	34	5.6	2.9
MEAN	94	8.4	67	8.8	49	8.5	28	5.8	1.2

FEB.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	4.2	105	6.8	67	7.1	34	6.2	5.5
2	112	14.0	88	12.6	65	11.3	35	8.4	7.7
4	104	12.5	73	11.3	51	11.1	29	8.1	6.0
6	94	8.7	73	8.7	52	9.9	27	6.3	1.5
8	79	12.1	56	11.8	40	10.8	22	6.8	-2.4
10	73	11.4	60	10.8	44	9.8	24	6.7	0.6
12	79	9.8	56	7.4	44	6.4	27	4.5	-0.8
14	83	11.3	68	9.8	51	8.8	29	6.4	-1.1
16	88	12.8	74	11.1	56	11.1	32	7.4	1.9
18	93	3.9	73	10.3	57	9.2	32	6.4	-5.1
20	150	3.7	111	4.8	71	6.0	36	4.6	6.8
22	127	8.3	110	5.2	78	6.3	44	5.8	9.3
MEAN	105	9.4	79	9.2	56	9.0	31	6.5	2.5

FEB.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	4.2	89	5.4	59	6.5	35	4.6	9.5
2	136	4.3	100	7.1	74	7.1	43	5.4	13.0
4	107	6.5	88	8.6	70	8.4	44	5.9	18.9
6	100	4.1	77	6.1	59	6.4	35	4.4	14.1
8	151	7.5	113	7.9	79	7.3	47	5.9	14.1
10	96	7.8	73	6.5	58	6.0	36	4.6	12.6
12	203	4.3	128	6.3	90	6.7	53	5.3	12.8
14	165	3.6	127	6.6	94	7.5	55	5.4	13.2
16	124	3.9	104	7.2	84	7.8	49	5.6	8.9
18	275	8.6	183	9.2	120	8.1	62	6.1	7.6
20	150	3.9	115	6.8	83	7.6	47	5.5	15.2
22	141	4.4	119	5.3	87	4.8	50	4.1	12.8
MEAN	150	5.3	110	6.9	80	7.0	46	5.2	12.7

MAR. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	153	6.8	128	4.4	98	4.9	57	4.4	14.0
2	191	5.8	130	5.1	86	5.7	48	4.4	18.4
4	231	9.4	149	7.8	101	8.0	58	5.8	14.5
6	213	4.3	146	10.4	99	8.6	56	6.3	12.1
8									
10									
12	192	7.9	151	5.6	104	5.3	58	3.7	13.6
14	197	6.8	150	5.0	115	4.8	69	3.3	28.9
16	222	4.9	192	5.5	152	5.3	96	4.1	33.8
18	245	6.3	194	6.1	152	5.8	95	5.1	24.0
20	198	6.8	174	7.1	144	7.4	95	5.5	22.8
22	154	4.9	127	5.1	104	5.1	63	3.8	25.3
MEAN	200	6.4	154	6.2	116	6.1	70	4.6	20.7

MAR. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	156	10.2	140	7.4	115	6.6	76	5.1	23.1
2	221	9.8	161	6.6	124	6.8	77	5.4	22.8
4	243	3.9	145	5.1	117	6.5	74	5.7	21.1
6	203	12.4	161	7.9	119	8.9	74	7.3	15.4
8	207	12.3	137	8.4	95	8.3	53	6.4	12.5
10	192	8.1	138	7.6	98	7.5	53	6.3	14.5
12	141	8.2	107	9.0	82	8.4	45	5.8	18.8
14	159	8.1	112	7.8	84	7.4	48	5.6	13.7
16	219	10.8	131	8.7	95	7.4	54	5.9	23.2
18	217	3.3	119	8.9	84	7.6	49	4.9	17.7
20	208	7.4	176	6.3	119	7.8	65	6.6	17.2
22	191	3.9	172	5.7	135	6.5	72	6.3	13.3
MEAN	196	8.2	142	7.4	106	7.5	62	5.9	17.8

MAR. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	9.2	159	7.7	116	6.4	57	6.2	14.0
2	185	10.5	146	8.0	105	9.3	59	8.1	13.8
4	231	4.1	211	8.3	171	8.1	86	7.8	11.6
6	240	9.8	182	8.6	122	7.8	62	5.3	13.9
8	228	3.6	201	10.8	144	8.8	73	7.2	18.8
10	224	16.4	198	13.3	166	11.8	85	8.1	16.4
12	197	15.8	163	12.6	127	8.3	63	6.6	16.6
14	204	17.0	176	12.0	141	9.9	65	6.8	16.0
16									
18									
20									
22	247	12.3	194	7.7	142	7.2	72	6.3	10.0
MEAN	219	11.0	181	9.9	137	8.6	69	6.9	14.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 4.1987 TMEAM (SEC)	THETA (DEG)
0	195	11.6	162	8.9	112	7.1	55	4.8	14.9
2									
4	152	11.6	129	10.8	98	10.7	55	8.4	12.6
6	131	3.6	86	9.4	62	9.3	35	6.1	9.2
8	149	14.8	104	10.9	75	12.1	44	8.8	6.1
10	128	14.8	83	10.4	59	9.6	32	7.1	5.6
12	103	3.8	84	6.0	64	7.6	34	6.3	8.1
14	119	9.0	77	7.4	53	7.0	29	4.7	8.7
16	88	14.4	62	9.8	47	7.6	27	5.3	0.6
18	74	10.3	53	8.8	39	7.3	24	4.7	-23.3
20	80	13.6	61	11.0	47	9.9	28	6.3	-2.2
22	75	8.0	58	8.8	43	7.4	25	4.3	-3.8
MEAN	118	10.5	87	9.3	64	8.7	35	6.1	3.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 7.1987 TMEAM (SEC)	THETA (DEG)
0	136	8.5	115	6.0	93	6.4	60	5.5	22.8
2	188	7.9	154	6.3	124	6.4	86	6.0	28.0
4	187	5.6	149	6.2	123	5.9	78	5.3	26.3
6									
8									
10									
12									
14									
16									
18	188	6.8	131	5.8	94	5.8	57	4.3	20.3
20	169	5.4	150	5.4	121	5.2	74	4.1	21.5
22									
MEAN	174	6.8	140	5.9	111	5.9	71	5.0	23.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 5.1987 TMEAM (SEC)	THETA (DEG)
0	113	7.8	72	8.9	55	7.3	32	4.8	7.1
2	93	8.4	66	8.4	53	7.4	33	5.4	4.0
4	90	10.5	71	9.8	55	8.8	32	5.9	10.8
6	76	9.6	66	8.5	53	8.5	31	5.6	10.8
8	95	13.0	69	9.6	52	7.8	30	5.5	7.0
10	98	11.1	82	9.8	64	8.3	36	5.4	14.2
12	75	11.9	64	10.2	50	8.6	29	6.2	8.2
14	126	8.1	75	7.7	56	7.3	32	5.7	6.3
16	78	6.5	63	7.0	47	5.8	27	3.6	-6.4
18	77	8.6	64	8.8	51	8.2	30	5.9	4.2
20	72	7.3	59	9.1	48	8.9	29	6.8	5.2
22	83	6.1	64	8.3	51	8.6	34	6.8	2.8
MEAN	90	9.1	68	8.8	53	8.0	31	5.6	6.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 8.1987 TMEAM (SEC)	THETA (DEG)
0									
2	245	6.4	170	5.4	138	5.6	91	5.0	19.6
4									
6	241	6.3	198	6.4	145	6.4	86	5.1	14.1
8	196	7.9	153	6.5	118	6.0	68	4.3	15.0
10	216	6.9	168	6.6	133	6.1	81	5.1	16.5
12	187	5.3	158	6.8	130	6.3	82	5.6	7.5
14	185	9.3	162	8.8	133	7.3	77	5.5	7.1
16	195	9.5	159	8.0	132	7.3	83	6.1	3.7
18	207	6.4	166	8.5	137	7.5	85	6.0	1.9
20									
22	196	8.8	173	8.7	130	7.8	76	6.2	1.8
MEAN	208	7.4	167	7.3	133	6.7	81	5.4	9.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 6.1987 TMEAM (SEC)	THETA (DEG)
0									
2	83	7.7	70	10.1	53	8.8	33	6.6	-6.0
4	60	12.8	52	10.4	42	8.5	26	5.8	-17.8
6									
8	115	5.9	86	5.2	68	4.6	44	3.4	33.7
10	160	5.1	129	5.1	102	4.9	64	3.8	26.8
12	207	4.3	147	5.6	119	5.6	70	3.9	25.7
14	257	4.4	145	6.3	109	5.4	62	3.8	18.7
16	163	6.3	131	5.4	104	5.6	63	4.2	11.6
18	163	5.4	137	6.0	107	5.9	63	4.3	10.4
20	167	7.6	121	5.8	95	5.7	58	4.3	9.2
22	184	5.9	136	5.7	106	5.4	62	3.7	28.0
MEAN	156	6.5	115	6.6	91	6.0	55	4.4	14.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 9.1987 TMEAM (SEC)	THETA (DEG)
0	222	12.0	176	8.1	132	7.4	72	5.1	3.3
2	195	6.8	156	8.4	117	8.3	67	6.3	2.4
4	182	8.4	142	8.5	103	6.7	59	4.9	11.5
6	198	9.0	147	7.6	118	7.0	69	4.8	15.6
8	238	8.6	156	8.0	119	6.9	72	5.4	11.8
10	187	8.8	132	7.9	104	6.5	63	4.6	14.6
12	228	8.0	133	8.1	99	7.0	60	4.7	15.0
14	146	5.7	110	6.7	87	6.6	50	4.6	14.1
16	167	9.6	133	6.8	93	6.9	55	5.3	8.7
18	143	6.8	109	7.8	86	7.1	51	5.3	8.5
20	133	8.8	98	7.7	71	7.1	41	5.2	7.0
22	110	7.4	85	8.8	64	6.8	38	4.5	6.9
MEAN	179	8.3	131	7.9	99	7.0	58	5.1	9.9

MAR.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	135	5.9	94	6.1	71	4.8	42	3.5	50.9
2	163	4.2	113	4.7	84	4.1	52	2.8	43.8
4	132	4.2	106	4.9	80	4.6	49	3.4	42.6
6	170	6.3	129	6.1	97	5.1	57	3.4	35.0
8	245	7.3	193	7.1	160	6.6	100	5.6	29.9
10	217	7.5	189	6.9	151	6.9	94	5.6	30.4
12	222	6.9	182	7.2	138	7.0	84	5.5	31.4
14									
16									
18									
20	154	7.1	138	7.1	114	6.4	68	4.6	30.6
22	171	4.6	138	6.5	106	6.2	60	4.2	27.7
MEAN	179	6.0	142	6.3	111	5.7	67	4.3	35.8

MAR.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	9.2	146	7.8	112	7.8	66	5.5	24.2
2	217	7.3	165	9.3	120	7.8	72	5.9	23.0
4	237	10.3	164	9.3	121	7.8	70	5.8	21.3
6	230	9.0	192	8.8	156	8.5	91	6.4	20.6
8	259	5.4	209	8.8	164	8.0	95	6.3	23.1
10	210	7.9	175	7.5	129	6.7	71	4.5	16.8
12	287	12.0	189	8.8	145	7.1	89	5.6	20.4
14	260	11.6	212	6.0	169	5.4	102	4.6	24.7
16	223	5.6	178	7.0	146	6.4	93	5.3	17.3
18	190	10.8	163	7.1	135	6.3	86	5.0	15.2
20									
22									
MEAN	228	8.9	179	8.0	140	7.2	84	5.5	20.7

MAR.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	6.1	177	7.3	141	6.4	88	5.0	18.7
2	231	5.8	203	7.3	168	7.3	110	6.0	18.4
4	221	9.3	186	7.1	151	7.0	90	4.8	23.1
6	254	5.4	196	6.9	165	6.8	102	5.6	16.7
8	296	10.3	198	9.3	161	6.8	107	5.7	18.9
10	233	9.0	195	8.8	160	7.4	98	5.4	20.1
12	246	8.3	206	7.6	170	7.9	102	6.0	21.1
14									
16									
18	215	4.9	180	7.6	148	7.3	89	5.8	8.5
20									
22	216	8.3	164	9.0	140	7.4	85	5.6	18.9
MEAN	236	7.5	189	7.9	156	7.1	97	5.5	18.3

MAR.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	218	8.0	181	8.3	146	8.0	86	5.9	13.2
2	227	10.9	175	8.3	137	7.4	79	5.9	10.1
4	224	6.9	179	8.2	140	7.6	78	5.9	8.2
6	240	8.6	180	8.3	132	7.9	72	5.6	8.4
8	213	7.3	151	7.0	110	6.1	65	3.9	10.8
10	231	10.8	181	8.1	131	7.2	70	5.3	8.0
12	192	9.8	157	8.4	124	7.8	74	5.8	2.3
14	189	8.5	163	8.4	129	7.8	79	6.1	1.5
16	244	8.6	182	7.4	146	7.3	91	5.9	0.2
18	183	6.9	158	6.6	136	6.3	88	5.4	-9.4
20	187	7.6	151	8.0	124	6.5	77	5.3	-1.6
22	167	6.3	139	6.5	112	6.0	65	3.9	-4.9
MEAN	210	8.3	166	7.8	131	7.2	77	5.4	3.9

MAR.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	202	7.5	164	6.5	130	6.3	80	4.9	-5.7
2									
4	221	9.4	181	8.1	141	7.4	85	5.6	-6.5
6									
8	253	10.4	207	8.0	173	8.4	112	6.3	-8.0
10	204	9.4	187	8.8	163	8.5	104	6.3	-7.5
12	302	9.9	220	8.9	184	8.5	123	7.0	-7.3
14	277	10.5	242	8.7	199	8.1	124	7.1	-5.8
16	255	10.2	226	8.1	191	8.0	112	6.7	-8.0
18	239	10.8	216	9.1	184	8.7	116	6.9	-5.3
20	186	3.9	155	8.4	128	6.8	74	5.1	-3.8
22	179	10.0	160	10.1	132	8.7	79	5.9	-0.4
MEAN	232	9.2	196	8.5	163	7.9	101	6.2	-5.8

MAR.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	200	9.6	169	7.8	137	7.1	79	5.1	0.9
2	227	8.6	185	9.2	148	7.6	82	5.3	5.9
4	252	8.8	218	9.7	179	8.7	107	6.3	14.9
6	279	12.6	244	9.8	203	8.4	124	6.8	10.2
8	214	6.1	184	9.1	152	7.7	94	6.3	15.1
10	191	12.5	169	10.5	149	8.6	97	6.6	20.0
12	232	13.2	187	8.6	151	7.1	85	5.7	12.4
14	299	12.0	229	11.6	183	8.9	103	6.7	9.2
16	238	11.0	220	9.4	174	7.5	96	6.1	7.3
18	302	7.4	214	8.9	170	8.6	97	5.9	4.3
20	219	14.1	177	11.9	145	8.4	84	6.1	8.2
22	181	14.0	146	9.0	120	7.9	72	5.9	10.8
MEAN	236	10.8	195	9.6	159	8.0	93	6.1	9.9

MAR.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	200	8.5	166	9.2	141	8.0	86	6.1	15.6
2	222	11.0	189	8.4	150	6.8	89	5.8	4.1
4	293	6.3	226	8.1	168	8.1	91	6.4	6.0
6	253	11.6	206	8.7	162	7.4	92	5.6	4.3
8	204	11.1	177	9.3	144	8.0	82	6.4	1.9
10									
12	221	8.3	173	8.3	136	6.6	74	6.2	-1.5
14	329	12.8	197	8.6	139	7.1	72	5.4	6.7
16	198	8.4	142	7.6	105	7.1	58	4.8	17.7
18	189	6.5	155	7.1	124	7.0	70	6.1	8.7
20	167	12.8	141	7.7	96	7.4	54	5.9	10.0
22	169	5.5	140	6.1	105	6.0	59	5.1	11.2
MEAN	222	9.3	174	8.1	134	7.2	75	5.8	7.7

MAR.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	4.6	115	5.3	82	5.0	46	3.9	14.4
2	185	7.9	111	6.4	80	6.6	48	5.4	10.8
4	130	5.7	99	7.4	70	6.8	40	4.7	16.7
6	172	10.3	98	7.3	73	6.9	43	4.5	13.7
8	121	3.3	90	6.9	65	6.9	39	4.9	12.4
10	133	2.9	98	5.0	73	5.2	44	3.9	8.7
12	133	5.9	98	4.9	77	4.9	46	3.9	6.4
14	156	4.1	101	4.3	75	4.3	45	3.1	5.9
16	146	10.0	100	6.2	74	5.3	45	3.8	1.4
18	140	5.6	105	4.8	82	4.8	53	3.7	10.9
20	191	4.8	158	5.4	125	5.3	82	4.3	10.5
22	165	5.1	144	4.8	116	4.9	72	3.8	13.2
MEAN	152	5.8	110	5.7	83	5.6	50	4.2	10.4

MAR.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	152	5.3	132	6.1	115	5.4	76	4.6	18.9
2	250	7.5	175	5.8	131	5.0	79	4.3	22.5
4	225	6.8	179	6.3	149	5.9	99	4.9	28.3
6	243	6.5	203	6.6	163	6.2	102	5.0	26.1
8	213	7.0	175	7.1	144	6.3	88	5.1	24.1
10	176	6.3	152	7.1	126	6.6	81	5.1	24.1
12	182	8.2	135	6.3	114	6.1	69	4.5	25.6
14	274	5.8	166	6.3	134	6.2	89	5.0	27.1
16	217	6.1	188	6.6	163	6.2	109	5.3	24.2
18	305	3.9	199	6.0	161	6.3	103	5.1	28.6
20	218	8.6	193	7.5	158	6.8	99	5.1	26.0
22									
MEAN	223	6.5	172	6.5	142	6.1	90	4.9	25.0

MAR.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	4.6	149	6.8	127	6.7	85	5.6	26.5
2	209	8.6	176	6.5	147	6.6	93	5.6	23.6
4	252	6.8	215	8.3	172	7.4	101	6.0	22.5
6	264	8.1	229	7.6	189	8.0	110	6.3	18.5
8	249	6.6	214	8.3	178	7.8	105	6.1	11.5
10	184	11.1	158	9.0	135	8.1	88	5.9	13.4
12	146	9.3	133	10.6	114	9.0	80	6.7	21.6
14	171	11.4	150	8.2	129	7.6	80	5.7	8.3
16	193	12.4	172	9.6	152	7.8	96	6.1	4.1
18	233	11.5	205	10.1	170	8.0	103	6.1	10.0
20	235	10.5	185	9.4	160	8.1	104	6.4	3.0
22									
MEAN	213	9.2	181	8.6	152	7.7	95	6.0	14.8

MAR.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	218	11.9	180	8.9	151	6.8	96	5.3	21.3
4	217	11.6	192	8.8	158	7.3	97	5.5	19.7
6	233	13.7	192	9.7	163	8.3	96	5.9	24.7
8	217	10.9	185	10.0	161	9.0	100	6.3	24.9
10	177	11.4	160	11.4	138	8.5	85	6.1	22.6
12	160	15.6	134	9.9	110	7.8	64	5.7	20.8
14	135	15.8	116	7.8	96	7.1	54	5.2	16.2
16									
18									
20	246	8.5	194	12.4	153	8.8	91	6.4	21.8
22	212	13.9	180	11.8	150	9.5	92	6.9	14.9
MEAN	202	12.6	170	10.1	142	8.1	86	5.9	20.8

MAR.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	12.3	175	12.0	149	9.8	92	6.9	18.2
2	239	8.1	197	10.4	161	9.8	99	7.3	19.6
4	225	12.1	189	10.8	157	9.3	91	6.4	13.4
6	226	12.0	200	11.9	171	9.9	104	7.3	20.9
8	215	13.4	189	11.2	167	9.6	100	6.8	20.5
10	206	13.4	170	9.9	146	8.6	87	6.4	18.7
12	169	7.9	145	12.0	119	8.0	73	6.0	16.7
14	194	12.1	133	11.3	99	7.0	55	5.1	17.7
16	142	14.4	128	12.3	110	9.3	67	6.1	17.1
18	186	8.9	143	8.9	117	7.1	73	5.3	13.2
20	210	4.0	167	10.1	133	8.3	83	5.9	14.5
22	209	3.3	163	7.4	134	7.3	84	5.5	17.7
MEAN	203	10.2	167	10.7	139	8.7	84	6.2	17.3

MAR.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	8.1	158	7.6	136	7.0	82	5.1	15.8
2	200	5.4	170	8.7	145	7.6	86	5.5	14.2
4	237	10.9	191	8.5	151	6.7	86	5.3	14.0
6	229	5.5	194	7.6	158	6.9	92	5.4	9.3
8	305	7.1	217	7.6	171	7.5	102	5.8	11.8
10	205	8.5	172	7.9	143	6.8	85	5.3	14.7
12	211	3.1	163	6.3	139	6.1	86	5.2	14.4
14	190	5.5	149	6.8	123	6.5	74	5.3	6.4
16	148	8.4	127	8.3	108	6.4	69	5.0	4.1
18	159	8.2	143	8.4	116	6.6	71	5.3	4.5
20	187	11.8	151	7.9	125	6.8	76	5.2	18.7
22	215	12.8	170	8.4	139	7.6	83	5.8	8.0
MEAN	205	7.9	167	7.8	138	6.9	83	5.3	11.3

MAR.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	216	5.9	182	6.9	146	6.1	86	4.7	0.1
2	227	6.8	179	9.3	147	7.5	85	5.6	5.4
4	193	10.3	167	6.9	138	7.3	81	5.6	2.0
6	208	11.6	167	7.6	132	7.0	76	5.4	2.9
8	205	9.4	160	7.6	131	7.1	78	5.4	-5.6
10	211	5.4	177	6.6	145	7.0	85	5.3	-2.7
12	192	5.7	159	6.7	127	6.1	76	4.4	-10.6
14	201	12.9	171	8.3	139	6.5	86	5.2	-3.9
16	208	9.4	167	7.8	134	7.8	79	5.6	-7.1
18	223	8.5	154	8.4	127	7.6	78	5.7	-5.5
20	201	13.2	160	9.6	129	8.4	79	5.9	-2.2
22	193	5.6	163	8.4	134	6.8	81	5.6	2.3
MEAN	207	8.7	167	7.8	136	7.1	81	5.4	-2.1

MAR.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	7.6	191	6.9	154	6.3	91	5.8	-1.6
2	239	4.2	203	8.6	165	8.0	99	6.5	8.6
4	261	7.4	218	8.5	181	7.9	111	6.8	6.8
6	223	10.4	206	8.8	171	8.0	103	6.4	4.2
8	213	6.8	178	8.8	153	8.2	94	6.3	5.7
10	196	5.5	179	6.1	151	6.3	88	5.6	5.2
12	251	8.7	203	8.6	169	7.3	104	6.3	7.4
14	203	3.3	173	8.2	148	7.9	85	5.9	3.8
16	185	12.8	153	7.3	122	5.8	71	4.6	17.2
18	189	16.5	144	7.2	112	5.6	65	4.6	13.4
20	166	6.8	117	4.4	86	4.0	49	3.1	16.4
22	214	4.6	142	5.8	110	5.3	63	5.0	12.3
MEAN	215	7.9	176	7.4	144	6.7	85	5.6	8.3

MAR.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	210	4.1	169	5.5	128	6.0	70	5.1	10.2
2	182	4.3	156	5.4	110	6.3	64	5.5	10.8
4	167	9.9	132	6.1	94	5.9	54	4.1	8.6
6	172	3.8	149	5.6	119	6.1	72	5.1	23.7
8	178	6.9	141	5.9	108	6.3	66	5.0	20.5
10	194	5.2	145	5.8	104	5.7	62	4.9	18.0
12	136	7.0	107	7.5	82	6.8	49	4.9	15.0
14	145	3.8	102	6.1	76	6.8	42	4.8	13.0
16	114	3.6	87	5.8	65	6.4	40	4.6	3.1
18	126	3.8	101	5.1	75	5.0	44	3.5	12.9
20									
22	194	2.6	90	3.8	61	4.2	35	2.9	7.2
MEAN	165	5.0	125	5.7	93	6.0	54	4.6	13.0

MAR.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	141	4.0	100	5.3	72	5.6	43	4.3	6.3
2									
4	118	6.6	92	5.9	70	6.6	41	5.0	4.7
6	118	6.0	84	6.6	67	6.8	42	5.1	1.0
8	110	9.4	79	6.9	61	6.3	38	4.3	1.9
10	243	6.8	100	5.8	70	5.3	42	4.0	4.4
12	91	7.3	70	7.4	56	6.1	34	3.9	2.3
14	100	7.4	73	7.2	57	6.1	34	4.0	0.5
16	113	8.3	81	6.4	59	5.5	36	3.8	-9.3
18	128	3.4	108	4.3	89	4.3	57	3.2	-15.2
20	136	4.3	98	5.6	78	4.3	49	3.3	-4.6
22	134	3.6	108	3.8	85	3.9	52	2.9	-8.6
MEAN	130	6.1	90	5.9	69	5.5	43	4.0	-1.5

MAR.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	171	3.2	142	5.0	118	5.0	75	4.1	5.8
2	155	5.2	137	5.8	112	5.5	71	4.5	15.8
4	174	4.9	138	5.4	111	5.6	68	4.6	10.4
6	140	3.6	124	5.5	98	5.8	58	4.4	0.8
8	134	8.2	121	6.3	99	5.6	62	4.5	3.5
10	137	5.7	114	5.0	90	5.1	56	4.1	5.5
12	149	4.2	123	5.7	92	5.4	54	3.8	8.4
14	150	5.4	119	6.0	89	5.9	52	4.1	1.1
16	180	6.8	146	7.3	110	6.6	64	5.2	2.5
18	174	5.8	133	6.9	103	5.8	55	3.9	-0.2
20	124	5.3	109	5.2	87	4.9	50	3.6	2.0
22	113	7.5	100	6.4	83	5.1	50	4.1	4.6
MEAN	150	5.5	126	5.9	99	5.5	60	4.2	5.0

MAR.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	145	8.9	126	6.4	101	5.9	61	4.6	-2.9
2	152	7.9	129	6.2	104	6.4	63	5.2	-0.4
4									
6									
8									
10	182	3.5	119	5.3	95	5.1	59	4.1	1.7
12	166	3.2	125	5.3	102	5.5	59	4.1	7.9
14									
16	201	7.6	162	7.3	133	6.4	84	4.8	-3.8
18									
20	155	6.5	139	7.7	117	6.4	71	4.9	6.0
22	141	7.9	114	5.8	92	5.1	56	4.3	-2.8
MEAN	163	6.5	131	6.3	106	5.8	65	4.6	0.8

MAR.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	6.8	135	6.2	111	5.8	69	4.6	1.2
2	208	7.1	162	6.8	131	6.9	78	5.3	-2.9
4	192	8.6	162	7.1	134	6.4	77	5.1	-2.9
6	195	8.3	152	7.1	122	6.6	72	5.3	1.1
8	172	7.2	143	6.9	119	6.1	74	5.1	-3.1
10	124	6.5	105	5.7	85	5.5	52	4.3	0.0
12	135	4.3	117	6.0	95	6.1	57	4.6	6.3
14	184	3.8	131	5.6	100	6.1	56	4.8	-2.2
16	167	8.3	125	6.4	93	5.9	52	4.1	-8.4
18	161	8.3	116	5.2	85	5.8	50	4.6	-5.2
20	155	8.9	127	6.8	93	6.4	53	4.8	-6.5
22	143	3.7	102	5.3	77	5.5	45	4.3	-2.7
MEAN	168	6.8	131	6.3	104	6.1	61	4.7	-2.1

MAR.31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	145	4.8	105	5.4	81	5.7	48	4.9	1.0
2	142	8.3	104	7.4	74	7.1	43	5.4	-4.4
4	108	9.5	87	7.9	66	7.9	38	5.6	-4.6
6	123	8.9	101	7.8	78	7.6	47	5.8	-0.6
8	187	7.1	126	6.4	87	6.4	49	4.8	2.1
10	128	6.4	107	5.4	86	4.8	52	3.9	7.8
12	135	4.7	113	6.2	95	5.3	60	4.1	24.6
14	168	6.4	136	5.0	106	5.1	63	4.1	20.3
16	176	4.5	146	5.9	118	6.0	70	4.6	28.2
18	187	8.3	167	7.1	145	6.4	91	5.1	27.4
20	211	6.3	160	6.8	131	6.4	79	5.1	26.4
22	167	7.8	131	6.1	110	6.1	70	4.8	23.0
MEAN	156	6.9	124	6.4	98	6.2	59	4.8	12.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 1.1987 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10	134	3.5	112	5.6	90	5.0	50	4.3	31.3
12	134	7.2	112	6.3	91	5.7	51	4.6	14.2
14	144	8.9	115	5.6	74	6.3	39	4.7	15.6
16	124	5.5	99	7.1	73	7.1	41	5.0	9.5
18	206	8.5	115	7.9	80	7.4	44	5.2	2.6
20	178	7.9	143	7.1	98	7.7	55	6.1	11.4
22	141	6.1	96	6.2	69	7.1	39	5.4	10.2
MEAN	152	6.8	113	6.5	82	6.6	46	5.0	13.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 4.1987 TMEAM (SEC)	THETA (DEG)
0	185	8.8	155	8.3	117	7.4	66	6.0	-1.2
2	220	8.7	152	8.0	112	7.6	64	6.1	0.2
4	211	9.0	133	7.6	97	7.6	55	6.3	1.4
6									
8	149	8.3	119	8.1	92	7.8	52	6.1	1.8
10									
12	120	5.3	99	5.8	76	5.1	42	4.0	0.5
14	139	8.4	106	5.9	81	5.4	45	4.1	6.6
16	132	6.4	111	7.0	83	6.9	46	5.3	4.5
18	162	9.3	116	6.3	81	6.7	44	4.9	0.2
20	153	5.6	111	8.5	78	7.3	44	5.4	3.8
22	135	10.9	102	8.3	73	7.5	39	5.3	3.5
MEAN	161	8.1	120	7.4	89	6.9	50	5.3	2.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 2.1987 TMEAM (SEC)	THETA (DEG)
0	141	3.3	110	4.9	75	5.8	41	5.0	10.0
2	147	3.8	107	6.2	77	6.4	43	5.4	4.9
4	125	3.8	92	6.1	72	7.3	46	6.2	3.5
6	143	11.8	103	9.8	77	8.8	44	6.3	2.4
8	152	3.6	112	8.2	78	7.9	42	5.7	9.9
10	213	7.4	115	5.0	87	4.6	51	4.0	20.8
12	130	8.0	105	4.5	82	3.9	48	3.5	23.9
14	137	3.6	114	3.9	91	3.6	59	2.9	29.2
16	173	10.1	138	6.3	111	5.6	69	4.4	21.4
18	192	4.1	158	6.3	132	5.4	88	4.6	23.7
20	191	10.9	159	6.6	132	5.9	86	4.8	20.5
22	186	6.6	164	6.4	138	6.2	88	4.8	18.3
MEAN	161	6.4	123	6.2	96	5.9	59	4.8	15.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 5.1987 TMEAM (SEC)	THETA (DEG)
0	150	10.4	106	7.8	71	6.9	40	5.1	0.7
2	167	11.2	99	6.9	70	6.4	40	4.4	8.0
4	167	6.4	108	8.0	72	7.3	41	5.1	0.3
6	130	5.7	97	7.1	72	7.0	44	5.3	1.7
8	138	8.2	86	6.6	64	6.6	37	4.8	3.3
10	139	11.2	103	6.1	72	6.1	41	5.1	8.1
12	117	4.5	94	4.8	64	5.3	36	3.8	9.0
14	133	5.8	102	5.8	77	5.3	42	4.4	9.4
16	126	3.0	99	5.6	70	5.6	40	4.5	8.5
18	151	3.5	117	5.5	78	5.1	45	4.6	5.0
20	183	8.1	131	3.8	93	4.8	56	3.7	11.9
22	121	6.0	92	4.8	65	4.8	39	3.4	11.6
MEAN	144	7.0	103	6.1	72	5.9	42	4.5	6.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 3.1987 TMEAM (SEC)	THETA (DEG)
0	176	5.1	140	6.9	117	6.2	75	4.6	10.7
2	209	10.0	172	8.7	137	6.6	84	5.3	1.0
4	212	5.0	173	7.3	135	6.3	80	5.2	8.1
6	375	7.9	220	7.9	161	7.1	88	5.5	7.5
8	192	9.1	165	8.6	144	6.9	88	5.6	2.9
10	162	12.3	134	8.9	114	7.4	70	5.4	4.7
12									
14	147	11.4	123	8.5	103	7.3	65	5.6	-4.4
16	166	9.5	149	7.4	126	6.8	78	5.5	1.9
18	192	8.0	155	7.3	127	7.1	76	5.8	0.3
20	192	9.4	154	8.3	112	7.6	65	5.9	-1.8
22	185	6.8	161	7.5	130	7.5	78	6.2	2.1
MEAN	201	8.6	159	7.9	128	7.0	77	5.5	3.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. 6.1987 TMEAM (SEC)	THETA (DEG)
0	108	3.8	79	6.1	58	6.0	35	4.3	9.7
2	121	11.6	94	7.1	65	6.9	39	5.3	6.6
4	102	12.6	70	6.8	53	7.1	30	5.0	1.6
6	111	11.4	83	7.5	58	7.3	32	5.1	7.9
8	153	2.9	85	9.6	57	8.5	31	5.3	8.2
10	116	3.6	79	4.2	60	3.8	38	2.6	12.6
12	126	4.2	98	4.3	78	3.9	50	2.9	25.1
14	149	7.6	118	4.9	97	4.1	64	3.3	38.4
16	139	4.8	129	4.7	113	4.8	73	4.0	39.7
18	150	4.5	119	4.0	97	3.5	66	2.7	45.3
20	184	4.1	126	5.0	103	4.6	65	3.8	27.6
22									
MEAN	133	6.5	98	5.8	76	5.5	48	4.0	20.2

APR. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	171	5.7	136	5.5	109	5.2	65	3.9	20.7
4	197	5.9	140	5.5	111	5.8	68	4.3	16.4
6	201	5.1	143	5.1	106	4.6	66	3.3	16.4
8	187	7.6	143	6.4	108	5.9	65	4.3	15.5
10	160	4.9	122	6.1	90	5.7	52	4.1	16.1
12	155	4.6	120	5.9	90	5.2	55	3.8	11.1
14	134	5.3	104	5.2	77	4.7	46	3.4	6.5
16	142	11.3	120	6.5	92	5.6	53	4.6	8.3
18	132	7.9	112	6.4	86	6.3	54	5.0	10.9
20	165	7.8	140	6.8	107	6.5	63	5.3	4.5
22	147	5.1	111	5.8	83	5.3	50	3.8	-1.0
MEAN	163	6.5	126	5.9	96	5.5	58	4.2	11.4

APR.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	200	13.1	183	11.2	150	9.0	82	6.2	19.1
2	257	4.9	210	8.1	170	8.0	100	6.3	18.0
4	267	8.6	217	8.5	174	8.3	99	6.3	20.8
6	276	12.6	215	11.4	181	10.3	105	7.2	14.3
8	197	7.3	179	9.9	155	9.1	96	6.6	16.1
10									
12									
14	239	11.1	189	8.9	149	7.4	88	5.9	5.1
16									
18	187	5.1	158	9.1	127	8.1	80	6.1	-0.8
20	183	13.5	150	8.4	126	8.1	77	6.0	-2.7
22	195	8.1	157	8.7	128	7.8	78	5.9	-8.0
MEAN	222	9.4	184	9.4	151	8.5	89	6.3	9.1

APR. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	227	7.6	194	8.0	162	7.8	97	6.5	-0.7
2									
4	222	8.8	181	7.4	129	7.1	75	6.3	-2.1
6									
8	208	9.4	177	8.6	144	8.1	86	7.1	4.3
10	208	8.4	176	8.9	138	7.9	76	6.1	4.7
12	206	10.1	173	8.8	135	7.6	76	5.8	1.2
14	328	10.3	204	8.3	145	7.1	78	5.4	9.1
16	154	6.2	129	6.4	110	5.6	77	4.6	22.0
18	155	8.3	127	6.9	106	6.4	71	4.8	24.9
20	187	6.6	148	5.6	117	5.9	77	4.6	20.8
22	199	7.3	162	7.6	140	7.4	96	5.7	22.5
MEAN	209	8.3	167	7.6	133	7.1	81	5.7	10.7

APR.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	231	12.0	172	9.5	142	7.6	82	5.5	0.7
2	208	5.0	178	7.3	149	6.9	90	5.9	-0.2
4	225	11.3	188	8.4	158	7.4	96	6.2	-3.8
6	178	10.4	158	8.5	130	6.9	73	5.4	0.9
8	178	8.0	152	6.0	125	6.4	72	5.3	-1.4
10	171	10.1	138	6.8	112	5.8	66	4.8	1.2
12	193	6.9	154	7.3	127	6.4	73	5.3	-1.9
14	209	3.4	168	6.6	130	6.3	75	5.1	8.2
16	212	5.4	157	5.8	119	5.4	74	4.6	14.3
18	178	7.6	144	7.2	120	6.3	77	4.9	16.9
20	155	6.6	126	5.2	107	5.2	68	4.3	22.6
22	164	6.9	128	7.0	108	5.9	69	4.6	23.3
MEAN	192	7.8	155	7.1	127	6.4	76	5.2	6.7

APR. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	7.8	172	7.9	151	7.6	98	5.5	22.9
2	233	8.9	212	9.1	175	8.3	114	6.3	23.7
4	242	5.3	206	8.6	172	8.0	107	6.1	22.6
6	219	10.2	198	7.9	166	7.8	104	6.4	24.3
8	221	9.5	199	8.4	175	8.3	119	7.0	19.6
10	252	8.0	212	9.0	170	8.0	103	6.7	12.3
12	228	8.5	188	9.4	144	8.2	87	6.8	17.6
14	243	7.9	205	8.4	165	7.9	98	6.3	18.5
16	206	12.3	186	10.3	157	9.7	94	7.1	28.1
18	172	8.3	149	9.3	131	8.8	80	6.4	15.9
20	162	11.1	145	10.3	129	9.2	86	7.2	20.9
22	205	11.3	169	10.1	133	8.6	78	6.1	21.9
MEAN	216	9.1	187	9.1	156	8.4	97	6.5	20.7

APR.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	197	6.0	159	6.5	134	6.1	87	5.1	21.3
2	185	9.5	165	6.2	138	6.1	83	4.9	16.0
4	233	7.9	166	6.8	134	6.2	79	4.8	16.0
6	186	3.4	154	6.4	124	5.4	77	4.6	17.1
8	157	7.8	139	7.8	111	6.3	67	4.6	19.6
10	134	7.7	117	5.6	95	5.5	56	4.4	21.3
12	208	5.2	149	5.6	110	5.8	65	5.0	12.6
14	176	3.4	127	6.8	95	6.8	56	5.1	6.7
16	161	8.4	122	7.4	88	7.3	51	5.3	4.3
18	160	10.0	137	6.6	100	6.8	57	5.4	7.2
20	151	10.5	127	8.0	96	6.2	54	5.5	6.5
22	158	11.7	117	5.9	89	5.3	50	4.2	12.9
MEAN	176	7.6	140	6.6	110	6.1	65	4.9	13.5

APR.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	161	9.9	121	5.6	82	5.6	45	4.3	15.4
2	180	3.8	126	6.1	90	5.8	54	4.3	23.7
4	140	4.4	111	6.3	86	5.6	53	4.2	23.6
6	154	3.9	119	5.1	99	5.3	65	4.7	24.2
8	144	7.2	111	5.6	88	5.1	54	4.2	31.8
10									
12	126	3.3	95	5.4	72	5.7	44	4.6	18.3
14	152	9.9	91	6.6	66	5.6	40	3.8	11.9
16	118	3.8	89	6.0	67	5.8	40	4.0	8.1
18	151	10.5	92	6.3	68	5.9	41	4.4	15.1
20									
22	137	5.3	104	5.2	86	5.1	54	4.2	27.6
MEAN	146	6.2	106	5.8	80	5.5	49	4.3	20.0

APR.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	141	5.1	92	5.4	72	5.3	45	3.9	23.5
6	116	3.1	93	5.0	74	4.2	46	2.8	28.7
8	121	9.8	85	5.1	60	4.5	36	3.5	22.7
10	95	4.1	75	4.6	59	4.8	36	3.8	21.0
12	107	3.6	66	5.3	49	4.9	29	3.6	16.4
14	107	4.8	77	4.3	64	3.8	44	2.7	10.9
16	81	4.3	59	6.3	45	4.9	27	3.3	3.5
18	82	8.3	57	6.7	45	5.6	28	4.0	-4.1
20	75	8.6	54	7.0	41	6.3	25	4.2	3.4
22	77	6.1	47	7.1	37	5.8	22	3.7	6.4
MEAN	100	5.8	71	5.7	55	5.0	34	3.5	13.2

APR.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	70	5.3	55	6.9	41	6.0	25	4.2	5.5
2	80	8.6	66	7.6	52	6.0	31	3.9	-0.7
4	96	8.6	73	4.8	58	4.3	37	3.3	20.2
6	95	6.5	74	4.8	58	4.6	37	3.3	12.6
8	118	7.8	81	5.6	59	4.9	35	3.6	-0.8
10	110	3.5	89	5.1	71	4.5	42	3.7	-2.4
12	96	3.3	82	5.3	63	4.6	36	3.7	-3.9
14	106	6.6	80	5.3	61	4.6	37	3.1	-0.5
16	156	6.9	121	7.4	92	6.6	56	4.7	-8.2
18	172	8.8	151	7.4	113	6.4	66	5.0	-3.6
20	220	5.9	163	7.7	129	6.8	73	5.0	-2.1
22	194	6.2	142	7.3	121	6.6	76	5.3	-7.2
MEAN	126	6.5	98	6.3	77	5.5	46	4.1	0.7

APR.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	10.1	151	8.0	126	7.8	78	5.9	-7.8
2	200	9.8	176	7.3	144	7.1	88	6.0	-6.1
4	223	9.4	167	7.4	130	6.7	78	5.6	-7.8
6	200	9.4	177	8.9	134	7.5	74	5.8	-2.6
8	156	10.5	131	9.1	108	7.1	63	5.4	-1.7
10	134	11.1	97	7.8	78	5.7	47	4.5	-5.2
12	123	12.0	91	6.5	76	5.3	47	4.3	-4.3
14	154	7.3	126	6.9	106	5.8	66	4.6	-0.7
16	169	9.9	135	5.9	104	5.3	60	4.1	8.1
18	211	9.5	156	6.8	118	6.6	69	4.8	2.6
20	187	9.0	145	7.1	113	7.2	68	5.4	1.2
22	163	7.8	140	7.4	110	6.3	64	5.5	2.7
MEAN	175	9.6	141	7.4	112	6.5	67	5.2	-1.8

APR.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	155	9.4	133	6.9	114	6.0	68	5.4	-0.4
2	360	7.5	168	8.6	120	7.4	69	6.2	-2.8
4	170	9.7	129	7.7	97	7.6	56	6.0	1.2
6									
8	162	4.4	122	6.1	91	6.3	51	5.3	0.6
10	117	3.0	98	5.9	79	4.9	44	4.6	-1.4
12	207	8.3	103	10.1	83	7.6	53	5.5	-10.5
14									
16	175	10.8	143	7.4	97	6.7	51	4.8	-1.7
18	177	6.7	119	7.1	85	6.5	48	4.2	-3.8
20	217	10.3	137	6.6	89	6.0	49	4.3	-3.6
22	187	10.5	143	8.3	104	7.6	59	6.1	2.3
MEAN	193	8.1	130	7.5	96	6.7	55	5.2	-2.0

APR.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	258	6.1	160	8.1	115	6.9	62	5.9	2.7
2	189	10.4	132	7.4	97	6.9	52	5.6	2.3
4	126	10.6	113	10.3	89	9.0	52	6.7	2.9
6	151	9.5	104	9.8	80	8.7	47	6.2	7.0
8	144	6.6	104	6.1	74	6.2	43	4.3	2.0
10	124	3.1	96	3.9	68	4.1	39	3.3	3.0
12	123	5.3	93	6.8	71	5.2	41	4.3	-3.9
14	121	7.4	104	7.1	83	5.9	47	4.6	0.3
16									
18	166	9.8	136	7.0	99	6.7	53	4.9	-0.5
20	213	11.3	155	8.8	109	8.0	58	5.9	1.1
22	198	9.8	140	7.4	100	8.4	56	6.4	3.9
MEAN	165	8.2	122	7.5	90	6.9	50	5.3	1.9

APR.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	9.5	147	9.1	108	8.3	60	6.3	-0.3
2	203	5.1	160	7.5	119	7.9	66	6.3	2.3
4	230	10.6	149	9.3	112	9.0	63	6.6	3.3
6	162	11.1	134	9.3	106	9.8	61	7.3	2.1
8	352	12.1	175	8.3	116	7.6	59	6.0	1.7
10	175	6.9	146	9.6	113	7.6	61	5.8	4.4
12	136	10.9	108	7.3	86	6.7	48	4.3	-5.2
14	125	10.3	110	8.4	91	7.3	54	5.6	-1.9
16									
18	154	9.3	140	8.1	109	7.1	60	5.7	3.0
20	225	5.6	163	8.1	118	7.9	66	6.6	0.9
22	207	3.8	182	7.9	124	7.1	66	5.9	9.9
MEAN	196	8.7	147	8.4	109	7.8	60	6.0	1.8

APR.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	2.3	137	6.7	102	6.9	59	6.1	7.9
2	216	5.5	181	8.1	125	7.6	64	5.4	6.6
4	213	10.4	167	9.3	120	8.6	65	6.0	4.3
6	169	8.9	114	7.9	82	6.4	46	4.6	12.4
8	291	6.4	182	8.5	127	6.9	72	5.5	11.0
10									
12	153	11.1	121	8.3	93	6.5	51	4.4	3.2
14	133	10.0	121	9.7	102	8.2	61	5.8	-4.2
16	164	10.8	134	8.2	113	7.6	69	5.8	-4.7
18	181	9.8	160	9.8	134	8.1	79	6.4	-4.7
20	244	5.4	175	9.1	131	8.1	75	5.8	3.4
22	189	7.4	129	7.1	91	6.7	53	4.6	-0.1
MEAN	194	8.0	147	8.4	111	7.4	63	5.5	3.2

APR.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	311	5.5	180	7.0	119	6.4	64	4.7	8.2
2	327	6.1	226	6.6	151	7.2	80	6.2	9.2
4	298	5.3	152	6.1	104	6.3	57	4.6	-2.3
6	288	5.9	148	7.9	105	7.8	59	5.8	-1.3
8	211	8.2	171	8.8	134	8.7	81	7.3	3.0
10	181	8.9	160	9.4	121	8.2	67	6.2	-3.4
12	208	10.4	160	8.0	120	7.9	68	6.3	0.8
14	176	6.7	149	7.2	123	6.4	73	5.1	2.4
16	151	11.0	135	10.3	114	7.9	68	5.6	-8.0
18	234	10.6	159	9.4	124	8.0	73	5.5	-3.7
20	244	6.1	180	9.9	141	9.5	85	6.6	-3.0
22	255	5.8	189	8.3	137	6.8	72	4.6	-7.8
MEAN	240	7.5	167	8.2	124	7.6	71	5.7	-0.5

APR.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	232	11.3	199	11.3	164	9.8	92	6.7	-6.6
2	258	0.9	219	7.9	181	9.2	102	6.9	-3.8
4	259	6.4	211	9.4	170	8.6	94	6.8	-8.2
6	276	12.0	226	10.4	189	8.3	108	7.0	-1.8
8	260	9.5	224	9.3	185	9.3	103	6.6	-0.4
10	293	2.7	225	9.0	172	7.8	90	6.3	-4.6
12	206	12.7	196	10.6	170	9.3	100	7.1	4.0
14	267	3.6	196	10.6	157	10.0	94	6.8	0.5
16	173	7.1	135	7.8	112	7.8	67	5.6	2.4
18	148	8.5	136	9.5	119	8.4	73	5.8	8.7
20	177	8.0	154	10.4	128	8.5	80	6.1	-3.8
22	256	7.4	178	10.2	145	8.2	89	5.8	5.3
MEAN	234	7.5	192	9.7	158	8.8	91	6.5	-0.7

APR.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	253	12.9	181	10.3	135	7.9	81	5.6	7.3
2	215	11.6	185	9.7	146	7.9	85	5.7	4.1
4	188	9.5	166	8.4	135	6.0	80	5.6	6.1
6	216	10.1	170	9.1	131	6.8	75	5.3	6.3
8	201	11.0	170	9.4	141	6.9	87	5.6	11.3
10	194	12.7	172	8.6	140	6.9	82	5.3	7.9
12	204	6.9	169	7.4	129	6.3	76	5.1	7.0
14	174	10.7	161	8.0	140	7.5	86	5.9	1.7
16	183	12.3	162	11.0	143	9.8	94	6.8	0.3
18	173	11.1	145	9.4	119	8.3	75	5.9	5.7
20	152	7.6	131	6.9	102	5.8	62	4.1	-2.0
22	197	11.1	165	8.5	137	7.4	80	5.4	-0.4
MEAN	196	10.6	165	8.9	133	7.3	80	5.5	4.6

APR.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	230	11.4	200	9.9	166	8.8	97	6.8	7.5
2	265	11.2	227	11.2	179	9.4	97	6.8	5.7
4	266	11.7	220	10.0	170	8.8	96	7.3	4.8
6	266	11.1	188	9.9	149	8.5	86	7.0	2.4
8	231	7.3	164	7.0	120	6.0	70	4.1	1.1
10	244	11.3	199	10.1	170	9.1	103	7.8	3.1
12	228	8.3	196	9.8	152	8.0	86	5.9	7.1
14	242	10.3	188	9.8	146	7.5	78	5.4	0.4
16	234	13.7	197	11.9	173	10.3	111	7.6	5.1
18	183	14.9	160	11.8	134	10.5	85	7.3	18.9
20	180	6.6	137	10.3	117	9.5	70	6.6	21.1
22	184	7.8	151	9.1	129	9.1	79	6.6	15.2
MEAN	229	10.5	186	10.1	150	8.8	88	6.6	7.7

APR.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	192	13.3	163	8.3	130	6.8	71	6.1	7.2
2	393	1.8	209	7.8	139	7.6	72	6.3	3.4
4	240	6.4	164	6.8	117	7.4	62	6.2	2.2
6	165	5.1	137	6.0	103	6.4	59	5.5	2.9
8	168	12.0	132	8.0	99	5.9	52	5.3	2.1
10	158	7.1	133	6.6	100	6.1	56	5.0	3.3
12	180	6.6	144	6.4	106	6.3	58	4.6	7.9
14	191	10.9	152	7.8	100	6.8	55	5.0	5.2
16	167	4.4	120	6.9	83	6.0	44	3.8	2.4
18	174	7.3	129	5.8	89	5.3	49	4.3	4.0
20	156	6.1	122	7.4	98	5.8	62	4.8	5.6
22									
MEAN	199	7.4	146	7.1	106	6.4	58	5.2	4.2

APR.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	165	4.4	136	5.6	110	4.5	71	3.3	25.1
2									
4	158	2.6	133	3.8	108	3.8	69	2.9	24.9
6									
8	198	10.5	130	6.3	103	5.3	68	4.1	23.2
10	145	3.2	118	5.5	99	5.0	68	4.1	25.6
12									
14									
16	192	3.8	141	5.3	113	4.6	71	4.1	20.5
18	162	6.2	136	4.7	114	4.6	73	4.1	26.7
20									
22	163	5.8	129	6.4	109	5.8	72	4.4	26.4
MEAN	169	5.2	132	5.4	108	4.8	70	3.9	24.6

APR.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	5.4	153	6.4	134	5.9	88	4.6	27.3
2	319	5.1	191	5.8	155	5.6	98	4.4	26.5
4	189	6.0	167	7.1	147	6.2	101	5.1	25.7
6									
8									
10	133	6.3	112	5.7	94	5.6	61	4.6	21.0
12	172	9.5	141	6.8	117	6.1	75	4.9	23.8
14	285	8.5	178	6.3	144	6.6	85	5.2	20.2
16	198	9.0	150	6.8	114	6.4	68	4.8	21.9
18	213	7.3	140	6.8	103	6.1	61	4.8	25.0
20	231	7.5	151	7.1	118	6.3	72	5.1	18.4
22	150	4.4	130	6.1	107	6.0	64	5.2	27.1
MEAN	207	6.9	151	6.5	123	6.1	77	4.9	23.7

APR.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	11.8	160	8.5	121	7.3	71	5.6	10.7
2	157	4.7	121	7.8	91	6.9	55	5.4	10.4
4	138	9.2	111	7.4	80	7.1	48	5.8	5.7
6	190	12.8	151	9.9	108	8.5	62	6.5	8.8
8	287	4.6	137	6.5	96	5.7	52	4.8	20.4
10	143	3.5	114	7.4	91	6.8	52	5.2	16.4
12	126	8.3	106	6.0	77	6.1	43	4.9	22.4
14	173	10.7	114	7.1	81	6.9	47	4.9	-0.5
16	182	12.3	117	7.8	80	8.1	43	5.3	-4.2
18	207	4.3	119	8.5	91	7.6	53	6.1	1.2
20	173	8.8	125	6.6	81	5.6	44	4.1	11.5
22	210	12.1	167	9.5	129	7.6	66	5.3	4.7
MEAN	181	8.6	129	7.7	94	7.0	53	5.3	9.0

APR.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	285	6.6	159	8.0	109	7.4	60	5.8	10.4
2	309	6.1	179	9.7	118	9.5	65	7.2	6.4
4	169	4.1	119	8.6	90	8.3	49	6.3	4.5
6	219	3.6	168	7.9	114	7.6	62	6.1	9.0
8	157	9.4	134	10.8	109	7.6	62	5.6	11.5
10	188	9.4	102	5.0	72	4.4	41	3.7	30.2
12	125	4.6	104	6.6	81	5.4	47	3.6	22.4
14	202	3.3	139	5.9	98	5.5	55	4.6	19.3
16	132	4.5	102	6.3	75	7.3	43	5.1	2.6
18	150	11.7	113	7.5	77	8.0	44	5.8	5.2
20	139	3.5	106	7.3	74	7.9	40	5.9	5.9
22	141	3.4	113	8.0	83	7.3	45	5.6	0.0
MEAN	185	5.8	128	7.6	92	7.2	51	5.4	10.6

APR.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	158	8.0	115	7.6	82	7.9	48	6.2	0.5
2	116	11.0	100	9.8	79	9.3	46	6.9	-0.6
4	110	10.9	94	8.8	70	9.0	44	7.1	-4.7
6	247	11.8	114	10.5	72	9.2	40	6.9	-3.4
8	259	3.7	158	7.8	113	8.0	61	6.5	-2.9
10	132	4.9	106	7.9	83	6.3	44	5.1	13.9
12	215	6.1	117	7.8	90	5.8	47	5.0	11.9
14	144	8.9	117	8.1	85	7.2	49	5.3	-4.3
16	132	7.8	98	7.0	73	6.2	44	4.3	-15.4
18	146	10.6	106	7.9	77	7.2	46	4.9	-11.4
20	134	10.7	111	6.3	82	6.3	46	4.7	-2.1
22	184	5.6	122	6.7	78	6.8	43	4.8	-5.3
MEAN	165	8.3	113	8.0	82	7.4	47	5.6	-2.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	1.1987 THETA (DEG)
0									
2									
4									
6									
8									
10	139	7.0	113	7.5	92	6.6	52	5.0	8.2
12	169	4.1	108	7.1	88	5.7	53	4.8	-12.5
14	171	3.4	134	7.0	103	6.4	59	5.1	-10.8
16	163	7.1	111	6.4	79	6.5	46	4.8	-6.2
18	226	5.8	142	5.8	98	6.6	56	5.6	-1.6
20	164	4.1	120	7.2	91	7.1	54	5.8	-6.2
22	109	10.1	87	7.1	66	7.1	40	5.3	-10.7
MEAN	163	5.9	116	6.9	88	6.6	51	5.2	-5.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	4.1987 THETA (DEG)
0	229	8.5	203	8.1	168	7.1	102	5.8	-6.4
2	238	9.4	190	7.3	148	6.5	87	5.1	-7.0
4	271	7.8	182	7.1	138	6.2	83	4.8	19.3
6	261	7.1	179	7.0	131	6.8	77	5.1	21.2
8	205	6.3	168	6.1	132	6.6	81	5.4	21.8
10	189	4.1	157	6.5	125	6.6	73	5.3	21.1
12	165	4.7	130	6.7	106	6.6	65	5.3	26.9
14	168	5.7	125	6.3	94	5.3	56	4.2	0.5
16									
18	204	6.1	131	8.4	91	7.5	52	4.9	-3.1
20	233	9.7	145	9.2	99	7.8	56	5.7	2.5
22	130	8.0	98	8.2	76	7.6	45	5.5	-4.8
MEAN	208	7.0	155	7.4	119	6.8	71	5.2	8.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	2.1987 THETA (DEG)
0	154	6.9	126	7.8	99	7.0	60	5.8	-6.3
2	191	10.9	128	7.6	92	6.6	55	5.4	-11.4
4	171	8.8	131	7.3	101	6.9	61	5.5	-13.2
6	167	6.9	119	8.1	92	7.4	54	5.4	-12.0
8	268	5.5	150	7.0	110	6.8	66	5.5	-8.5
10	226	5.3	139	7.1	111	6.3	69	5.1	-4.7
12	126	8.1	106	7.9	91	7.3	57	5.3	-12.8
14	136	8.9	121	8.0	103	6.6	61	4.8	-14.2
16	225	4.8	162	7.3	126	6.6	73	5.1	-10.0
18									
20									
22									
MEAN	185	7.3	131	7.6	103	6.8	62	5.3	-10.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	5.1987 THETA (DEG)
0	117	7.4	104	8.5	81	8.3	49	6.0	-2.9
2	151	8.8	99	7.8	77	7.4	46	5.5	-6.4
4	158	9.1	107	7.9	81	7.3	46	4.7	-2.8
6	132	3.4	95	6.3	74	6.0	45	4.3	-7.4
8	158	8.3	106	8.7	81	7.4	46	4.8	-3.5
10	140	7.9	93	8.0	71	7.4	41	5.0	-6.7
12	148	9.1	109	6.5	74	5.3	42	3.4	-6.9
14									
16	165	7.6	138	7.9	98	6.6	53	4.8	-4.6
18	124	8.3	95	8.3	73	7.1	44	5.3	-5.3
20	93	9.0	80	7.8	66	7.4	41	5.5	-8.2
22	158	7.5	110	7.2	86	7.1	50	5.1	0.0
MEAN	140	7.9	103	7.7	78	7.0	46	4.9	-5.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	3.1987 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22	233	9.0	199	8.5	155	7.6	93	5.8	-1.2
MEAN	233	9.0	199	8.5	155	7.6	93	5.8	-1.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	6.1987 THETA (DEG)
0	122	10.1	105	7.8	84	7.5	49	5.3	-3.7
2	173	7.9	115	7.4	84	6.9	49	4.9	-2.6
4	188	10.3	117	8.3	85	6.9	51	5.1	6.2
6	145	10.0	108	8.3	80	6.8	47	4.6	10.8
8	186	6.9	126	8.0	87	7.7	50	5.3	9.7
10	191	9.5	126	7.4	94	7.6	53	5.6	5.6
12	167	10.8	144	9.0	115	7.8	66	5.4	3.0
14	154	10.8	132	9.0	102	6.9	56	4.6	-3.7
16	157	4.6	137	7.1	111	6.2	67	4.9	-2.5
18	192	9.3	149	7.8	120	6.1	71	4.9	4.6
20	189	8.6	165	9.6	123	8.4	74	6.3	3.7
22	192	6.1	144	7.7	108	8.4	65	6.4	-1.8
MEAN	171	8.7	131	8.1	99	7.3	58	5.3	2.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY 7.1987 TMEAM (SEC)	THETA (DEG)
0	129	9.4	102	8.8	87	8.1	54	6.4	0.7
2	188	8.6	113	7.8	85	7.8	53	6.3	0.0
4	163	10.0	121	7.5	91	7.3	56	5.8	-2.4
6	145	7.0	109	6.8	81	7.2	48	5.5	2.5
8	160	7.6	114	6.9	86	7.1	51	5.7	5.3
10	165	9.2	110	8.4	82	7.3	49	5.2	0.7
12	127	7.1	107	8.1	84	7.4	49	5.3	-2.2
14	253	6.1	120	7.9	85	7.5	48	5.1	2.5
16	138	8.2	114	6.2	86	5.3	52	3.9	11.6
18	142	9.4	119	6.6	91	5.3	55	4.1	13.7
20									
22	182	10.2	125	7.2	91	6.4	55	4.6	8.5
MEAN	163	8.4	114	7.5	86	7.0	52	5.3	3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY 10.1987 TMEAM (SEC)	THETA (DEG)
0	98	9.2	79	9.3	63	9.0	37	6.4	3.7
2	80	7.8	67	8.3	54	7.6	32	5.4	1.6
4	100	6.0	58	6.6	45	5.2	28	4.1	-1.3
6	116	8.7	89	9.1	67	8.0	37	6.1	1.4
8	134	8.8	107	8.8	79	8.3	48	6.5	2.3
10	93	8.8	82	9.3	68	8.4	41	6.5	2.4
12	104	8.6	81	7.5	61	9.1	35	6.1	-1.3
14	102	9.9	76	8.6	59	7.8	35	5.2	-4.2
16	115	8.6	81	8.9	58	7.3	34	4.5	-12.6
18	114	8.1	79	7.7	62	7.1	35	5.0	-2.3
20	107	9.4	86	8.6	65	7.8	40	5.1	0.8
22	112	12.1	75	8.0	56	8.2	33	5.8	2.4
MEAN	106	8.8	80	8.4	61	7.8	36	5.6	-0.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY 8.1987 TMEAM (SEC)	THETA (DEG)
0	129	5.9	107	7.1	79	6.9	45	4.7	0.7
2	151	5.8	109	6.9	82	6.9	51	5.1	3.3
4	190	9.5	127	6.7	90	6.0	52	4.4	6.4
6	156	9.4	120	7.3	92	6.4	53	4.8	12.4
8	190	9.1	122	6.5	90	6.6	53	5.3	7.9
10	156	8.5	118	7.6	85	6.9	48	4.8	3.5
12	134	8.3	116	8.5	91	7.3	54	5.4	6.2
14	131	7.6	101	7.6	80	7.1	49	5.1	6.1
16									
18									
20	147	8.9	116	6.7	85	7.4	49	5.5	8.3
22	126	8.4	92	7.8	74	7.4	45	5.8	1.5
MEAN	151	8.1	113	7.3	85	6.9	50	5.1	5.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY 11.1987 TMEAM (SEC)	THETA (DEG)
0	133	9.3	93	8.4	67	8.0	40	5.7	-0.9
2	106	10.0	82	9.7	63	9.2	37	6.1	-2.9
4	152	10.8	117	9.0	87	8.5	48	6.1	1.2
6	153	11.3	105	8.4	80	8.3	47	6.1	8.5
8	180	10.3	156	9.3	120	8.3	71	6.3	6.0
10									
12	156	10.4	117	10.3	86	8.8	49	6.2	3.9
14	138	10.0	112	9.7	87	9.3	51	7.0	0.0
16	116	8.4	99	8.8	77	8.4	46	6.1	-4.9
18	200	9.4	156	7.8	119	8.3	69	6.3	0.3
20									
22	187	5.7	136	8.8	98	7.5	55	5.1	7.4
MEAN	152	9.6	117	9.0	88	8.5	51	6.1	1.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY 9.1987 TMEAM (SEC)	THETA (DEG)
0									
2	102	9.3	84	9.1	67	8.5	42	6.2	0.6
4	108	8.2	91	8.1	71	8.2	44	6.5	0.4
6									
8									
10									
12									
14									
16									
18	366	7.7	102	8.1	64	7.9	34	5.3	-5.1
20	110	10.0	74	7.8	54	8.2	32	5.7	6.5
22	109	9.0	80	8.1	60	7.6	34	5.4	1.9
MEAN	159	8.8	86	8.2	63	8.1	37	5.8	0.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY 12.1987 TMEAM (SEC)	THETA (DEG)
0	164	11.6	132	9.0	105	8.6	57	6.2	0.2
2									
4									
6									
8									
10									
12									
14									
16									
18	171	6.6	111	7.4	77	6.8	43	4.3	-4.7
20	186	8.0	131	7.9	92	6.4	54	4.6	-3.1
22	160	7.8	133	8.2	97	8.0	55	6.1	-2.7
MEAN	170	8.5	127	8.1	93	7.4	52	5.3	-2.6

MAY 13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	279	8.7	111	6.9	77	6.3	44	4.1	-20.1
2	171	8.0	132	8.6	106	8.3	62	6.1	-6.7
4	142	10.4	106	8.5	85	8.0	51	5.8	-9.8
6	166	6.9	130	7.3	98	7.2	54	5.2	0.2
8	163	9.1	130	8.2	101	6.8	59	4.9	-7.3
10									
12	179	9.5	135	8.3	104	7.6	64	6.0	-6.8
14	163	9.5	128	8.1	93	7.8	53	5.8	-6.2
16	173	9.6	129	9.5	97	8.5	54	6.3	-7.3
18	134	7.2	112	8.8	88	8.1	54	6.3	-6.5
20	179	8.9	138	9.6	97	8.3	58	6.4	-4.5
22	174	8.7	134	8.4	96	7.3	58	5.7	-3.7
MEAN	175	8.8	126	8.4	95	7.7	56	5.7	-7.2

MAY 14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	8.1	131	7.7	97	7.6	56	5.6	-4.4
2	154	6.1	124	6.9	100	6.1	64	4.4	-6.2
4	155	9.1	113	8.0	89	7.6	53	5.3	-3.6
6	172	8.9	129	7.3	94	7.1	54	4.8	0.8
8									
10									
12	150	4.3	125	5.9	103	4.8	70	3.7	27.9
14	189	6.1	167	5.6	144	5.5	95	4.5	25.0
16	223	6.3	192	6.1	169	5.8	115	5.0	26.1
18	227	6.0	201	6.4	167	5.8	106	4.6	24.2
20	213	6.3	194	6.4	168	6.2	115	5.2	22.6
22	216	6.8	172	6.5	144	5.8	87	4.1	21.6
MEAN	187	6.8	155	6.7	128	6.2	82	4.7	13.4

MAY 15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	216	6.3	191	6.1	164	5.8	109	4.4	24.6
2	257	6.4	204	6.4	173	6.3	117	4.9	23.8
4	248	5.3	217	6.6	189	6.3	126	5.3	25.4
6	271	6.0	220	6.2	182	6.3	118	5.0	29.0
8	265	7.8	205	6.0	150	6.4	98	5.1	27.0
10									
12									
14									
16									
18									
20									
22									
MEAN	251	6.4	207	6.3	172	6.2	114	4.9	26.0

MAY 16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	211	7.1	163	6.4	123	6.0	74	4.4	14.5
20	233	7.8	146	7.8	115	7.6	70	5.9	13.5
22	330	4.3	201	6.3	131	7.3	73	6.1	20.1
MEAN	258	6.4	170	6.8	123	7.0	72	5.5	16.0

MAY 17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	325	8.7	207	6.8	142	7.6	80	6.4	18.8
2	299	3.9	162	7.1	116	7.5	67	5.9	17.9
4	147	8.7	115	7.6	89	7.8	51	5.6	11.2
6	171	7.8	120	7.4	93	7.8	54	5.6	9.4
8	151	7.6	123	8.8	96	7.7	57	5.8	8.9
10	156	10.1	113	7.1	89	7.0	52	5.2	11.2
12	237	9.9	148	7.1	110	6.8	62	5.3	6.8
14	134	7.6	112	6.9	87	6.7	55	5.4	8.1
16	133	6.3	108	7.9	81	6.7	47	4.3	5.1
18	148	6.6	128	7.3	107	7.2	65	6.0	0.3
20	148	7.3	127	6.8	97	7.0	61	5.8	-0.2
22	205	8.3	154	7.3	112	6.6	67	5.2	-3.5
MEAN	188	7.7	135	7.3	102	7.2	60	5.5	7.8

MAY 18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	329	4.3	189	7.4	140	7.4	80	5.6	-11.1
2	225	8.3	167	7.5	126	7.2	75	5.7	-6.5
4	203	8.1	152	7.8	121	7.4	74	6.1	-4.1
6	242	8.3	140	7.8	103	8.0	63	5.8	-3.4
8	179	8.7	124	7.6	94	7.4	57	5.5	0.4
10	210	4.2	124	7.3	91	7.1	51	5.3	8.7
12	159	9.4	130	6.4	101	6.3	61	4.9	12.0
14									
16	134	5.6	110	7.3	82	7.1	49	5.2	-1.4
18	146	6.8	105	7.8	77	6.9	45	4.8	-0.5
20	115	7.2	96	7.3	75	7.9	44	5.7	3.9
22	105	8.9	93	8.4	76	7.8	44	5.5	3.3
MEAN	186	7.3	130	7.5	99	7.3	58	5.5	0.1

MAY 19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	130	7.2	98	7.3	72	6.9	40	4.6	4.4
2	101	7.8	89	7.9	72	7.4	42	4.9	5.5
4	124	7.8	84	7.9	63	7.3	38	4.9	4.8
6	121	7.8	100	8.5	78	7.9	45	5.4	6.4
8	106	6.8	88	7.8	71	7.1	44	5.1	3.2
10									
12	137	4.6	99	7.0	73	6.4	45	5.3	5.6
14	129	9.8	96	7.1	74	6.5	42	4.6	5.1
16	134	8.5	89	7.4	66	6.2	39	4.4	6.4
18	106	8.7	83	7.3	65	6.8	41	5.3	5.6
20	98	7.4	83	7.1	66	7.4	41	5.6	4.8
22	91	7.6	74	8.1	56	7.1	35	5.5	6.3
MEAN	116	7.6	89	7.6	69	7.0	41	5.1	5.3

MAY 20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	86	8.9	71	7.9	56	7.7	33	5.8	2.6
2	87	7.4	56	7.1	41	5.6	25	3.8	-1.6
4	86	8.6	59	8.6	46	7.8	29	5.1	1.0
6	77	8.9	67	8.5	56	7.8	33	5.2	-0.9
8	84	10.3	68	7.9	57	7.1	33	5.3	0.6
10	79	9.8	62	8.0	49	7.7	28	5.2	1.4
12	76	11.8	55	7.9	43	7.1	26	4.6	1.5
14	81	6.3	64	5.9	50	5.2	31	3.7	4.2
16	153	9.8	71	7.7	52	7.8	31	5.3	4.8
18	79	8.4	61	7.2	47	7.1	27	4.8	5.5
20	91	9.2	65	8.2	49	7.4	29	5.5	-1.0
22	85	8.0	70	8.8	59	8.2	40	6.5	4.3
MEAN	89	8.9	64	7.8	50	7.2	30	5.1	1.9

MAY 21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	75	7.4	59	8.6	46	7.9	28	5.6	0.1
2	64	7.3	54	7.9	43	8.0	27	5.9	-1.0
4	83	6.8	63	9.2	50	8.6	28	5.7	0.3
6	64	8.0	54	8.2	43	7.6	27	5.3	1.7
8	70	8.9	58	9.3	46	8.7	29	6.3	1.6
10	75	7.9	55	8.0	42	7.4	24	4.9	1.8
12	61	7.1	46	8.4	36	7.1	21	4.4	-0.4
14	73	7.4	48	5.3	36	4.8	22	2.8	1.2
16	100	3.6	66	6.7	46	5.8	26	3.6	-4.6
18	80	9.8	55	8.3	41	7.3	23	4.5	0.3
20	94	7.4	72	6.9	57	5.6	38	4.1	4.3
22	69	9.7	59	8.6	48	8.3	29	6.5	2.2
MEAN	76	7.6	57	7.9	45	7.3	27	5.0	0.6

MAY 22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	67	11.0	56	8.8	47	8.1	27	5.9	1.7
2	72	10.7	57	9.1	44	8.9	25	6.3	1.1
4	68	10.5	52	9.8	40	9.0	24	6.5	-0.6
6	71	10.5	54	9.0	43	8.5	25	5.8	2.7
8	51	9.9	42	8.5	33	7.8	19	5.2	-3.2
10	65	8.8	51	8.3	39	7.8	22	4.8	-5.0
12	54	6.9	43	7.9	32	6.4	18	3.8	-8.0
14	79	7.4	55	4.9	42	3.8	26	2.4	-34.1
16	65	5.9	49	7.0	39	5.5	24	3.5	-20.8
18	68	11.7	50	8.3	38	6.1	23	3.8	-17.4
20	78	8.2	65	7.9	49	6.1	28	4.2	-23.9
22	65	8.2	50	7.5	39	6.9	24	4.6	-13.5
MEAN	67	9.1	52	8.1	40	7.1	24	4.7	-10.1

MAY 23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	67	6.3	54	6.9	42	6.8	26	4.7	-15.4
2	71	4.5	58	7.3	46	6.3	28	4.0	-14.4
4	106	5.0	70	6.3	56	5.4	35	3.8	-14.4
6	97	7.1	75	5.6	58	5.6	34	3.7	-15.7
8	136	4.8	99	5.8	75	5.5	46	4.3	-14.4
10	181	8.4	159	7.2	120	6.6	72	5.1	-13.5
12	180	6.6	126	6.8	98	6.6	57	4.8	-5.6
14									
16									
18	169	5.1	126	8.0	92	7.3	53	5.5	-1.5
20	139	9.4	110	8.8	88	8.1	53	5.9	-5.7
22	193	10.1	120	8.6	87	7.7	50	5.1	-7.8
MEAN	134	6.7	100	7.1	76	6.6	45	4.7	-10.8

MAY 24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	236	5.3	179	5.2	136	4.8	87	4.0	28.2
2	223	5.3	196	5.6	172	5.6	112	4.8	23.8
4	226	5.9	198	6.4	173	5.9	122	5.1	23.9
6	225	8.8	190	8.2	159	7.3	103	5.3	25.4
8	199	6.5	170	6.9	148	6.8	98	5.1	23.2
10	220	8.9	184	7.4	158	6.4	101	5.1	24.4
12	222	8.1	198	8.8	167	7.4	106	5.6	24.6
14	285	7.1	228	8.2	190	7.6	118	5.7	23.9
16	251	7.7	206	6.9	176	7.6	108	5.7	25.1
18	216	7.5	184	7.9	157	7.3	102	5.7	23.6
20	221	7.0	172	7.6	139	6.5	80	4.6	18.3
22	246	9.1	197	6.8	155	6.2	90	4.5	20.7
MEAN	231	7.3	192	7.2	161	6.6	102	5.1	23.8

MAY 25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	281	7.4	241	8.6	190	7.9	110	6.4	21.3
2	253	10.3	214	8.7	175	8.5	108	6.8	21.9
4	251	10.6	210	9.3	171	8.6	99	6.5	23.7
6	507	9.8	227	9.6	166	9.3	104	7.4	22.1
8	179	9.2	153	9.5	138	8.8	89	6.1	22.8
10	184	9.5	166	9.3	147	8.3	93	6.3	19.9
12	209	7.9	184	8.8	144	8.0	76	5.9	18.4
14	204	11.6	162	7.6	119	7.6	67	5.8	15.9
16	192	8.2	137	8.7	107	8.1	62	6.0	15.4
18	212	7.2	154	7.4	113	6.8	64	4.6	23.0
20	181	9.3	154	8.0	124	7.5	76	6.1	16.6
22	214	8.4	179	9.5	144	9.2	77	6.3	18.2
MEAN	239	9.1	182	8.7	145	8.2	85	6.2	19.9

MAY 26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	193	10.1	165	8.0	128	8.0	74	6.1	20.0
2	245	10.7	193	9.9	153	9.4	87	6.9	20.3
4	211	7.8	164	8.8	131	8.8	74	6.5	18.1
6	215	8.4	174	10.2	145	8.6	83	6.6	21.4
8	191	11.8	165	9.8	133	8.3	75	6.3	20.1
10	244	6.8	163	8.8	128	7.5	71	5.3	19.4
12	217	4.3	185	9.0	150	8.4	83	6.5	21.0
14	211	11.9	185	9.9	141	8.4	79	6.1	19.5
16	268	13.0	204	8.6	151	7.3	87	5.0	23.7
18									
20	219	7.9	183	8.8	146	7.5	84	5.2	23.2
22	216	10.2	168	8.2	133	6.8	78	4.9	17.9
MEAN	221	9.4	177	9.1	140	8.1	80	5.9	20.4

MAY 27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	223	8.8	177	8.3	137	7.3	81	5.5	23.4
2	248	7.8	207	9.3	168	8.8	101	6.4	18.8
4	261	10.0	179	9.4	133	8.1	75	5.4	20.0
6	222	9.3	181	9.1	144	8.6	82	6.0	22.1
8	199	9.1	166	7.1	135	7.4	79	5.8	18.9
10	189	8.1	159	7.8	131	7.7	76	5.9	20.7
12	256	7.5	180	9.3	137	7.8	79	6.8	21.0
14	178	8.8	128	6.6	89	6.2	53	4.3	14.4
16	142	10.8	115	9.3	90	8.6	51	6.4	9.1
18	156	9.4	107	8.9	78	7.3	45	4.5	8.8
20	146	9.9	112	8.9	85	8.3	49	6.2	5.2
22	255	10.9	177	8.3	132	8.8	74	6.6	15.6
MEAN	206	9.2	157	8.5	122	7.9	70	5.8	16.5

MAY 28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	276	10.0	207	9.0	137	9.1	74	6.8	20.7
2	225	10.9	164	9.4	122	9.3	68	7.1	12.6
4	202	11.3	153	9.1	114	8.2	65	6.4	6.9
6	145	8.0	130	8.1	109	8.0	68	6.3	8.2
8	181	11.0	139	7.9	109	7.7	61	5.4	6.3
10	169	8.0	142	7.1	116	6.7	70	4.8	-0.8
12	180	8.0	156	9.3	128	7.2	73	5.3	5.4
14									
16	169	9.1	130	7.9	98	6.6	58	4.4	17.6
18	192	3.5	134	6.8	99	6.3	59	4.3	21.8
20	138	6.8	106	5.4	80	4.3	50	2.9	26.9
22	563	4.8	131	5.7	85	4.9	49	3.2	18.9
MEAN	222	8.3	145	7.8	109	7.1	63	5.2	13.1

MAY 29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	10.5	112	7.5	87	6.4	50	4.0	16.2
2	126	7.0	106	8.1	84	7.7	49	5.0	11.6
4	138	10.3	120	9.9	92	8.9	54	6.2	7.4
6	169	10.7	135	8.2	96	8.4	53	5.8	7.5
8	204	4.9	120	6.8	89	7.0	50	5.0	6.3
10									
12									
14									
16									
18									
20									
22									
MEAN	161	8.7	119	8.1	90	7.7	51	5.2	9.8

MAY 30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 4.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 5.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 6.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	277	7.6	184	8.8	132	7.3	76	5.9	7.4
2	170	6.6	134	8.4	100	7.6	61	6.1	13.3
4	237	8.3	143	7.3	105	7.6	62	5.9	9.2
6	164	8.9	130	8.3	95	8.7	55	6.0	10.8
8	169	12.9	116	8.4	88	8.5	52	5.8	11.6
10	208	8.4	163	7.8	118	7.0	71	5.8	8.4
12	152	6.4	125	8.3	100	7.4	60	5.6	6.0
14	190	8.1	147	7.4	109	7.9	59	5.5	6.7
16	188	10.2	130	7.1	101	7.2	62	5.8	11.8
18	149	8.4	121	8.5	94	8.3	57	6.1	3.6
20	140	9.2	120	9.1	92	8.3	54	6.1	6.6
22	161	9.1	115	8.6	89	8.3	54	6.3	12.0
MEAN	184	8.7	136	8.2	102	7.8	60	5.9	8.9

JUN.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	9.8	121	9.3	96	8.3	55	6.1	10.5
2	162	10.5	120	7.5	93	7.7	55	5.9	5.7
4	224	5.0	135	7.3	98	6.9	58	5.5	2.8
6	190	5.6	138	8.2	101	7.6	57	5.4	6.0
8	240	5.5	140	6.2	98	6.8	57	5.0	9.5
10	186	9.0	125	6.2	93	5.8	56	4.0	3.4
12	185	9.5	136	7.1	102	6.9	60	5.1	4.6
14	297	7.1	180	7.0	121	6.4	71	5.6	2.7
16	195	8.8	145	6.8	104	5.9	59	4.6	-0.9
18	173	10.8	133	6.5	97	6.2	55	4.4	2.3
20	178	9.8	140	8.6	111	7.6	65	6.0	1.5
22	205	9.0	179	8.8	137	7.4	85	6.8	2.3
MEAN	199	8.4	141	7.5	104	7.0	61	5.4	4.2

JUN.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	2.9	180	7.7	149	8.0	87	6.4	6.8
2	285	5.1	203	8.6	157	7.9	87	6.1	-2.5
4	285	9.7	225	8.9	181	8.5	106	6.8	-3.6
6	405	10.3	280	7.9	186	8.1	95	5.8	-5.1
8	283	7.7	217	9.0	159	8.1	88	6.3	1.7
10	269	10.1	205	9.3	159	8.3	88	6.3	0.9
12	243	10.1	199	9.0	159	8.0	91	6.4	-4.0
14	202	8.0	184	8.8	158	8.4	105	7.2	-1.9
16	211	7.7	185	7.6	140	6.9	78	4.8	0.8
18	246	8.7	190	7.2	140	7.5	80	5.3	0.6
20	253	11.0	194	9.9	141	8.3	81	6.1	3.7
22	325	5.9	195	8.3	148	8.3	84	5.8	0.1
MEAN	269	8.1	205	8.5	156	8.0	89	6.1	-0.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	4.1987 THETA (DEG)
0	288	9.7	229	9.1	182	8.0	108	6.1	-6.0
2	249	10.0	197	8.8	160	7.4	91	5.5	-4.9
4	226	6.3	195	8.0	146	7.1	84	5.8	0.4
6	273	9.6	195	8.9	149	8.1	86	6.4	1.4
8	245	9.0	191	8.4	148	8.0	89	6.3	5.0
10	261	2.6	200	7.9	161	7.9	96	6.5	4.9
12	228	9.7	187	8.4	150	7.9	85	5.4	5.0
14	214	8.6	186	8.4	156	8.1	94	6.3	4.7
16									
18	177	6.8	144	7.4	105	7.1	57	4.8	7.2
20	183	8.3	129	8.8	101	8.2	61	6.0	6.6
22	162	8.9	121	8.0	91	8.4	55	6.3	8.1
MEAN	228	8.1	179	8.4	141	7.8	82	5.9	2.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	7.1987 THETA (DEG)
0	138	7.3	113	6.8	91	6.8	56	4.6	22.4
2	211	7.7	153	7.9	115	7.0	67	4.8	18.4
4	200	6.3	141	7.1	99	6.1	56	4.2	15.2
6	211	9.5	149	7.8	105	7.1	61	4.8	16.9
8	174	8.9	130	7.1	98	7.6	58	5.3	14.8
10	187	7.8	123	7.6	90	6.6	53	4.3	11.4
12	147	8.9	121	8.1	92	7.5	56	5.8	8.4
14	171	7.8	127	8.5	95	7.8	55	5.5	4.2
16	153	8.9	125	8.1	99	8.0	59	5.8	7.3
18	145	7.9	123	8.4	96	7.9	60	6.3	7.5
20	154	8.3	127	8.3	101	8.1	61	6.3	10.6
22	176	7.8	145	7.6	103	7.6	59	5.7	8.7
MEAN	172	8.1	131	7.8	99	7.3	58	5.3	12.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	5.1987 THETA (DEG)
0	148	8.6	107	8.4	72	6.9	40	4.6	6.5
2	144	6.1	112	7.0	79	5.8	48	3.7	8.1
4	120	9.8	101	8.8	78	7.7	48	5.0	11.5
6	150	8.1	110	7.8	83	7.1	49	4.9	11.2
8	147	8.8	108	7.5	84	7.0	48	4.7	8.9
10									
12									
14	204	8.7	156	7.1	116	7.4	69	5.6	11.8
16	194	7.1	136	7.4	101	7.3	60	5.1	9.3
18	151	7.7	113	6.9	90	6.4	54	4.8	13.6
20	146	8.8	120	7.5	101	7.3	65	5.6	14.9
22	142	8.7	126	8.3	99	7.4	61	5.4	15.1
MEAN	155	8.2	119	7.7	90	7.0	54	4.9	11.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	8.1987 THETA (DEG)
0	164	9.1	130	7.8	94	7.4	55	5.6	15.5
2	185	8.5	149	8.3	115	8.0	68	6.3	11.9
4	165	9.5	122	8.1	93	7.8	56	5.6	14.2
6	184	9.9	131	8.3	92	7.8	53	5.6	9.7
8	257	6.6	141	7.3	98	7.0	57	5.6	13.5
10	154	7.6	124	7.8	96	7.9	56	6.2	14.3
12	131	8.8	109	8.4	86	7.9	47	5.5	12.7
14	199	8.3	136	7.8	100	8.0	58	5.8	13.1
16	139	8.3	110	8.5	82	8.3	48	6.1	8.4
18	111	8.5	100	8.8	76	7.8	44	5.6	8.5
20	117	8.8	95	8.3	77	8.3	44	5.8	7.4
22	104	8.0	94	8.3	75	7.7	45	5.4	11.3
MEAN	159	8.5	120	8.1	90	7.8	53	5.8	11.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	6.1987 THETA (DEG)
0	137	6.8	117	7.4	95	7.6	55	5.4	13.3
2	117	8.5	96	7.1	75	6.8	46	4.8	14.4
4	162	6.7	126	6.9	96	6.3	57	4.7	13.4
6	148	4.2	119	6.0	98	6.4	62	4.8	14.0
8	175	7.3	127	7.6	99	6.6	61	5.0	18.3
10									
12	144	7.6	120	7.4	94	7.3	56	4.9	20.2
14	211	8.8	129	6.9	89	5.9	51	3.9	18.6
16	153	9.1	114	7.9	87	8.3	53	5.7	15.6
18									
20									
22	178	6.4	147	5.8	110	5.4	67	3.6	9.2
MEAN	158	7.3	122	7.0	94	6.7	56	4.8	15.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	9.1987 THETA (DEG)
0	122	8.4	101	8.2	78	7.8	47	5.9	8.3
2	112	8.6	94	8.2	75	7.8	43	5.3	10.4
4	124	9.5	104	8.5	81	8.3	50	6.3	10.2
6	146	10.5	95	7.6	71	6.4	39	4.1	13.1
8	160	9.2	111	6.4	84	6.6	46	4.6	11.0
10	232	6.9	126	6.8	85	6.1	46	4.1	10.4
12	144	5.2	94	6.4	69	4.9	42	3.3	22.6
14	120	8.8	93	7.9	69	6.8	41	4.3	15.1
16	93	8.5	81	7.8	64	6.1	38	3.7	22.9
18	124	7.0	94	7.6	69	6.2	42	4.3	21.6
20	146	8.6	94	8.6	72	8.4	41	5.6	15.7
22	108	8.5	83	8.3	65	7.4	39	5.1	12.7
MEAN	136	8.3	98	7.7	74	6.9	43	4.7	14.5

JUL.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	140	8.5	106	8.1	83	7.9	48	5.8	6.4
2	110	8.4	86	8.3	70	8.1	47	6.6	6.6
4	147	10.3	87	8.4	65	8.0	39	5.9	6.4
6	151	8.7	96	8.1	71	7.8	42	5.9	6.2
8	163	8.7	112	8.6	85	7.5	48	5.6	12.3
10	189	4.8	132	7.4	101	7.6	55	5.9	12.1
12	166	5.6	99	8.0	67	7.8	39	5.8	14.3
14	103	7.4	87	8.1	68	7.8	39	5.3	2.3
16	90	9.3	66	8.3	50	7.6	28	4.8	7.9
18	94	8.5	73	7.6	57	6.4	34	4.2	8.6
20	125	9.3	102	8.9	79	8.1	48	5.8	6.4
22	100	9.1	75	6.6	56	5.7	33	3.5	2.0
MEAN	132	8.2	93	8.0	71	7.5	42	5.4	7.6

JUL.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	269	7.5	98	8.3	72	7.8	40	4.9	6.1
2	114	6.8	89	8.3	69	7.8	40	4.8	7.3
4	115	9.3	87	7.9	64	5.9	38	3.8	9.7
6	113	9.5	86	8.0	65	6.6	38	4.2	13.9
8	104	8.9	84	8.7	62	7.8	35	5.1	9.9
10									
12									
14									
16									
18	84	9.8	72	9.3	55	8.6	31	5.3	4.9
20	106	6.8	77	6.6	59	5.7	38	4.5	0.0
22	130	9.4	102	9.3	83	9.2	54	7.3	0.7
MEAN	129	8.5	87	8.3	66	7.4	39	5.0	6.6

JUL.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	123	8.7	107	8.8	79	8.1	47	5.9	-3.2
2									
4	106	7.6	88	8.3	69	6.3	40	4.0	-15.1
6	122	8.8	108	8.1	86	8.4	54	6.6	-4.4
8	210	9.8	121	8.4	84	7.6	48	5.9	-7.2
10	204	1.6	127	7.0	94	7.1	54	5.7	-1.7
12	163	9.3	118	8.1	90	7.1	52	5.4	-2.8
14	143	8.3	110	8.3	84	7.9	50	6.1	-7.0
16	157	8.4	96	8.5	70	7.4	42	5.5	0.1
18	121	8.0	92	8.0	71	7.1	43	4.9	-8.9
20	134	8.6	105	7.9	79	7.3	48	5.6	-8.6
22	152	7.1	117	7.4	86	6.3	52	4.3	-15.4
MEAN	149	7.8	108	8.1	81	7.3	48	5.4	-6.7

JUL.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	7.7	100	8.4	75	7.6	43	5.3	-9.6
2	123	8.0	91	7.6	70	6.7	41	4.1	-13.5
4	105	11.3	87	8.8	66	7.7	40	5.7	-9.9
6	131	8.9	81	7.6	60	6.5	37	4.6	-7.5
8	101	9.8	76	8.4	60	7.4	35	5.3	-5.9
10	187	4.7	108	8.2	82	8.3	50	6.3	-5.0
12	170	9.4	122	7.0	92	6.7	53	5.3	-3.2
14	171	8.7	119	7.9	91	7.1	54	5.4	-7.6
16	148	7.6	109	6.4	84	5.7	52	4.0	-11.7
18	126	6.3	107	7.6	84	7.3	53	5.3	-15.0
20	136	9.2	99	7.7	74	6.4	42	4.0	-12.5
22	155	8.1	98	6.8	74	5.6	45	3.8	-12.1
MEAN	140	8.3	100	7.7	76	6.9	45	4.9	-9.5

JUL.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	122	10.0	96	6.9	76	6.5	46	4.4	3.5
2	116	5.4	97	6.7	76	6.2	46	4.4	-4.3
4	133	9.0	109	7.9	83	7.6	51	5.4	-6.7
6	99	7.4	83	7.6	68	7.8	41	5.4	-5.6
8	124	10.3	102	8.0	76	7.8	45	5.3	-3.2
10	211	9.0	138	6.8	98	7.3	57	4.8	-0.5
12	266	6.8	225	6.7	138	6.9	72	5.5	-9.3
14	140	8.3	103	6.2	79	5.1	45	3.5	-5.0
16	211	8.0	133	7.8	97	7.3	56	4.9	-5.8
18	162	11.9	122	8.0	95	7.7	58	6.1	-3.6
20	135	9.6	100	7.9	75	6.6	44	4.1	-7.2
22	126	9.4	102	8.4	86	8.6	50	5.8	-2.8
MEAN	154	8.8	118	7.4	87	7.1	51	5.0	-4.2

JUL.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	165	10.5	116	8.0	90	8.0	55	5.8	-4.7
2	150	2.8	106	8.1	76	7.3	44	5.1	-5.3
4	187	7.5	119	8.2	88	7.8	51	5.5	-7.4
6	119	8.8	106	8.1	85	8.7	50	6.6	-6.7
8	150	6.6	116	8.8	89	8.9	53	6.6	-1.1
10	138	10.5	104	9.8	85	9.0	52	6.6	-3.9
12	168	10.3	125	8.4	89	7.6	51	5.6	0.7
14	152	6.6	114	7.0	82	6.1	51	4.1	-2.8
16	257	5.3	109	6.3	80	6.0	50	4.2	7.9
18	167	7.6	97	7.1	70	6.6	43	4.1	-0.2
20	126	8.6	91	9.3	67	7.4	37	4.6	-1.1
22	134	6.3	83	7.7	63	6.9	38	4.4	1.0
MEAN	159	7.6	107	8.1	80	7.5	48	5.3	-2.0

JUL.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	5.9	89	7.3	69	6.6	42	4.4	9.1
2	162	8.3	123	7.5	89	6.8	51	4.6	3.8
4	138	7.6	101	9.0	73	7.3	43	4.9	-2.3
6	116	9.1	80	6.7	61	5.8	35	3.8	-1.1
8	95	6.4	68	8.3	55	7.8	33	5.0	1.5
10	131	9.4	93	9.0	65	7.7	36	4.8	0.9
12	121	11.9	95	7.6	72	6.8	42	4.8	2.2
14	168	4.3	102	8.5	75	6.8	43	4.8	1.3
16	137	6.5	103	7.6	79	7.4	49	5.6	-5.5
18	160	9.1	110	8.1	84	7.6	50	5.4	-8.3
20	124	9.3	98	8.6	77	7.8	47	5.8	-7.0
22	105	6.0	93	8.3	71	8.5	43	6.1	-6.8
MEAN	131	7.8	96	8.0	73	7.2	43	5.0	-1.0

JUL.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	12.4	86	9.6	64	8.1	37	5.9	-2.9
2	153	10.7	100	10.0	72	8.3	42	6.0	-3.7
4	99	7.6	89	8.1	70	7.8	40	5.3	-3.4
6	96	6.3	81	8.1	65	7.6	40	5.8	-7.1
8	138	12.8	95	9.3	72	8.1	44	6.0	-8.3
10	90	10.7	82	9.0	68	9.1	44	6.2	-9.7
12									
14	105	6.7	79	6.3	62	5.3	39	3.6	-11.9
16	97	9.8	86	9.5	69	8.1	43	5.6	-6.9
18	116	5.1	87	7.1	66	6.8	39	4.9	-12.3
20	124	11.3	87	8.0	63	6.1	36	3.6	-12.3
22	115	8.1	82	7.3	63	5.9	42	3.8	-16.7
MEAN	114	9.2	87	8.4	67	7.4	41	5.2	-8.7

JUL.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	104	10.8	71	9.5	53	8.4	30	5.3	-8.0
2	92	9.5	78	8.3	60	8.5	36	6.1	-3.3
4	123	9.0	96	7.8	72	7.3	43	4.9	-4.5
6	139	6.7	108	7.1	88	7.1	55	5.3	-8.8
8	111	7.8	89	8.4	69	8.0	41	5.4	-8.6
10									
12									
14									
16									
18	88	9.1	74	9.3	61	9.4	38	6.5	-1.6
20	110	11.3	83	10.3	65	10.2	38	7.3	-1.8
22	113	12.5	83	10.8	64	9.9	38	7.1	0.5
MEAN	110	9.6	85	8.9	67	8.6	40	6.0	-4.5

JUL.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	9.3	84	10.3	65	10.3	40	7.8	-3.0
2	94	9.3	71	7.8	55	6.7	33	4.7	-0.9
4	132	5.8	81	8.3	56	7.1	32	4.8	0.5
6	131	12.3	101	10.0	77	9.8	42	6.8	0.5
8	116	6.6	92	8.3	71	7.2	44	4.9	-6.9
10	122	12.5	88	10.0	68	8.9	42	6.0	3.0
12	122	13.0	91	10.3	70	10.4	40	7.6	5.4
14	120	9.5	105	10.1	82	10.1	48	8.3	4.5
16	158	6.6	108	8.0	79	6.6	49	4.8	2.1
18	171	10.6	122	9.9	94	9.3	51	5.9	7.5
20	130	13.9	112	11.0	78	10.0	41	6.7	4.5
22	128	11.6	107	11.1	82	10.3	53	8.6	0.1
MEAN	129	10.1	97	9.6	73	8.9	43	6.4	1.4

JUL.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	139	11.6	106	10.7	81	10.0	45	7.0	5.4
2	109	10.8	91	9.5	69	8.8	40	6.3	0.6
4	143	11.0	107	10.5	81	10.2	45	6.9	5.7
6	138	11.0	107	8.6	77	8.8	42	6.2	4.6
8	213	6.4	103	9.7	73	9.0	41	6.1	4.1
10	139	12.9	89	8.8	65	8.6	36	5.6	-2.2
12									
14	101	10.0	81	9.9	63	8.7	37	5.6	5.4
16	141	11.3	110	10.0	83	9.8	46	6.5	8.8
18	128	10.1	97	9.8	75	8.6	44	5.9	9.9
20	121	10.3	94	8.6	69	7.4	41	5.1	11.3
22	114	11.6	83	7.8	63	7.6	38	5.3	10.4
MEAN	135	10.6	97	9.4	73	8.9	41	6.0	5.8

JUL.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	12.0	86	8.9	65	7.8	39	4.9	13.7
2	125	11.1	99	9.6	76	8.5	47	5.9	17.5
4	133	8.8	103	9.5	76	7.4	46	5.1	13.5
6	179	9.3	132	7.0	95	8.1	54	5.7	14.8
8	165	11.5	116	8.6	85	7.7	49	5.4	11.7
10	220	9.0	140	9.0	100	7.6	56	5.7	12.6
12	162	10.6	110	9.8	82	8.8	49	6.2	12.8
14	180	5.0	123	7.9	91	7.6	53	5.6	16.5
16	289	5.5	164	8.5	111	8.5	65	6.9	17.8
18	161	11.7	135	10.4	110	9.0	65	6.9	13.0
20	190	7.6	143	9.2	114	8.6	67	6.5	17.1
22	227	4.1	163	7.8	120	8.6	71	6.8	16.3
MEAN	179	8.8	126	8.8	94	8.2	55	6.0	14.8

JUL.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	228	7.5	172	9.1	131	8.8	77	6.9	16.8
2	208	10.8	181	9.8	142	9.0	88	7.6	18.7
4	229	9.6	163	8.4	114	7.6	61	5.4	17.7
6	205	11.1	173	9.6	141	8.8	82	6.6	18.3
8	218	9.8	185	8.9	148	8.4	91	6.9	22.4
10	210	8.8	157	8.8	123	8.3	73	6.4	13.1
12	164	11.3	138	9.1	103	8.6	61	6.7	12.0
14	168	9.8	140	9.3	110	9.4	63	7.3	13.1
16	272	11.7	188	10.2	148	9.3	86	7.6	15.4
18	295	8.8	240	9.6	174	9.7	95	7.9	20.2
20	174	9.8	148	9.4	115	9.1	69	7.4	16.9
22	220	11.1	169	10.2	125	9.2	73	7.6	13.4
MEAN	216	10.0	171	9.4	131	8.8	77	7.0	16.5

JUL.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	161	11.0	117	10.0	92	8.9	56	6.6	14.5
2	151	11.2	113	8.5	91	9.0	54	6.8	9.2
4	168	4.9	130	8.8	103	9.3	62	7.1	13.2
6	174	9.8	151	7.8	119	8.4	63	5.9	10.8
8	221	8.2	167	8.3	120	7.6	66	5.6	15.7
10	190	8.0	150	9.1	114	8.1	66	6.2	12.4
12	196	10.5	138	9.5	101	8.6	58	6.1	10.5
14	149	10.1	128	9.3	101	8.8	57	6.4	8.5
16	140	11.4	107	10.3	81	10.0	46	7.1	11.7
18	165	12.9	114	8.9	79	8.9	44	6.5	9.8
20	133	10.3	119	9.4	91	9.8	54	7.7	10.2
22	121	12.2	94	9.5	73	10.2	47	8.0	7.6
MEAN	164	10.0	127	9.1	97	9.0	56	6.7	11.2

JUL.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	10.1	112	9.7	77	9.4	41	6.2	7.5
2	150	8.9	94	8.5	68	7.1	41	4.9	6.0
4	130	9.8	111	9.4	84	9.0	46	5.9	8.2
6									
8	222	10.1	113	9.7	80	8.3	46	5.6	8.4
10	109	8.3	86	7.9	67	8.3	37	5.6	9.3
12	109	11.8	78	10.6	61	9.1	36	6.1	-2.7
14	112	10.8	84	8.1	67	7.5	43	4.8	7.7
16	121	10.8	70	10.0	54	9.2	31	5.8	8.0
18	118	10.8	88	9.0	64	6.9	38	4.3	46.5
20	100	9.1	85	9.8	63	9.4	35	6.5	10.0
22	81	9.7	73	10.1	60	10.0	36	7.0	6.7
MEAN	127	10.0	90	9.3	68	8.6	39	5.7	10.5

JUL.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	80	10.6	66	10.0	53	9.3	32	6.5	-1.7
2	88	7.9	67	9.3	52	8.9	32	6.3	-1.4
4	86	26.0	70	10.3	50	8.6	29	5.6	-4.6
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	85	14.8	68	9.9	52	8.9	31	6.1	-2.6

JUL.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUL.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	145	8.3	118	10.6	85	10.7	45	7.4	4.6
18	130	12.9	91	11.9	73	11.9	43	9.0	1.3
20	105	11.1	91	11.8	70	11.8	38	8.4	3.5
22	99	12.1	85	11.6	70	12.0	42	8.8	6.4
MEAN	120	11.1	96	11.5	75	11.6	42	8.4	3.9

JUL.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	140	11.8	104	10.6	77	9.3	44	6.4	2.8
2	104	5.1	82	10.9	64	10.3	37	7.3	1.4
4	90	11.0	78	11.4	63	10.5	37	7.6	-5.1
6	105	11.5	90	11.4	68	10.5	39	7.6	2.0
8	111	10.4	84	9.2	63	8.2	35	5.3	4.2
10	145	10.9	109	10.9	70	10.5	37	6.6	7.2
12	136	4.0	86	7.3	64	6.1	39	4.4	3.1
14	157	11.2	122	11.0	84	10.3	45	7.4	2.2
16	114	7.6	90	11.2	65	10.3	37	6.6	0.4
18	128	11.8	94	10.8	71	10.6	40	7.3	2.1
20	86	11.4	74	11.8	59	10.3	37	8.2	0.8
22	98	11.2	71	10.3	56	10.3	34	8.0	1.1
MEAN	118	9.8	90	10.6	67	9.8	38	6.9	1.8

JUL.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	94	6.8	79	9.1	58	8.0	35	5.5	2.5
2	93	10.3	81	10.3	65	9.4	35	6.9	1.3
4	77	10.9	62	10.6	49	10.6	29	7.3	-3.6
6	98	13.2	76	12.0	57	11.3	33	7.6	-2.4
8	99	9.6	67	10.4	48	8.8	28	6.1	-3.3
10	79	13.3	67	11.8	51	10.3	28	6.6	4.2
12	97	8.3	58	6.8	43	5.8	27	3.9	6.4
14	88	6.8	68	9.6	50	9.0	26	5.3	2.6
16	87	11.4	66	10.4	48	9.0	26	5.3	-10.1
18	74	8.8	58	7.1	44	6.0	26	3.9	-25.2
20	92	11.6	66	11.0	48	9.8	27	5.8	-2.0
22									
MEAN	89	10.1	68	9.9	51	8.9	29	5.8	-2.7

JUL.31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	84	8.9	58	9.9	44	9.4	26	6.1	-6.7
2	76	12.2	58	9.9	43	8.2	26	5.3	-11.1
4	71	11.5	58	11.0	45	8.5	26	5.5	-13.7
6	93	12.6	77	12.1	59	10.8	37	7.2	-7.1
8	76	11.6	58	8.3	46	10.0	26	6.4	-3.0
10	67	13.5	58	10.7	46	10.8	26	6.6	3.4
12	96	8.6	69	9.2	50	7.5	30	4.9	4.1
14	92	9.9	65	6.7	49	5.3	29	3.3	-4.9
16	88	7.9	69	8.1	52	7.1	30	4.3	-3.4
18	86	5.1	68	7.5	54	7.6	33	5.1	-6.3
20	82	8.9	70	8.9	56	8.3	35	5.4	-4.4
22	110	8.3	69	9.5	53	9.1	31	5.8	-4.3
MEAN	85	9.9	65	9.3	50	8.5	30	5.5	-4.8

AUG. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10	262	9.5	200	8.6	151	8.5	86	5.9	13.6
12	242	7.5	211	8.5	162	8.2	97	6.3	15.6
14	262	12.0	224	8.6	186	7.8	109	6.6	10.8
16	245	10.2	200	9.2	153	8.7	91	6.4	13.4
18	293	7.6	234	8.6	171	8.3	99	6.5	16.3
20	235	10.8	165	9.3	132	8.6	79	6.1	9.6
22	283	8.9	217	8.9	180	9.0	116	7.4	8.7
MEAN	260	9.5	207	8.8	162	8.4	97	6.5	12.6

AUG. 4.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	247	10.3	204	8.5	153	8.8	86	6.1	10.9
2	233	8.0	185	7.1	132	6.5	77	4.3	17.2
4	220	9.6	184	9.8	143	8.2	85	6.9	12.6
6	223	10.0	195	9.5	157	8.1	90	6.5	11.4
8	283	11.4	225	8.8	177	8.3	99	6.8	5.3
10	271	11.3	190	9.1	149	9.3	84	6.8	9.5
12	261	9.1	177	9.9	136	8.7	79	6.7	9.0
14	201	8.0	174	9.5	138	9.3	81	7.2	6.2
16	219	10.5	204	9.6	169	9.7	99	7.5	7.3
18	197	8.6	149	7.9	104	7.6	61	5.1	10.3
20	145	11.1	137	10.7	117	9.4	74	7.6	11.1
22	163	10.2	149	10.5	121	9.1	77	7.5	11.9
MEAN	222	9.8	181	9.2	141	8.6	83	6.6	10.2

AUG. 5.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	210	9.1	166	8.4	130	8.9	77	7.1	10.5
2	198	6.1	158	8.7	115	7.8	66	5.4	12.1
4	182	10.8	151	9.3	120	8.4	74	6.3	7.7
6									
8	202	7.8	145	7.8	109	6.5	69	4.8	8.6
10	135	7.5	106	6.4	80	5.8	49	4.1	5.6
12	234	10.0	128	9.7	89	8.5	48	6.1	4.2
14	136	8.5	102	8.3	79	7.9	46	5.5	0.1
16	129	9.6	101	9.0	77	7.8	46	5.5	-4.1
18	113	7.8	88	7.0	68	6.3	43	4.0	-4.7
20	82	8.4	71	7.3	59	7.3	38	5.4	-6.6
22	93	7.4	81	8.0	67	7.9	39	5.6	-7.5
MEAN	156	8.5	118	8.2	90	7.6	54	5.4	2.4

AUG. 6.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	96	10.2	73	7.8	60	7.6	38	5.8	-6.9
2	97	8.8	80	8.5	67	8.3	43	6.1	-1.9
4	98	9.1	79	9.3	61	8.1	39	6.2	-2.3
6	101	8.1	80	7.8	66	7.0	40	4.9	-1.0
8	172	8.6	120	7.6	90	7.5	54	5.4	-4.9
10	196	10.0	151	8.7	116	8.3	69	6.3	-5.5
12									
14	365	6.9	163	7.2	114	6.2	65	4.1	-9.1
16									
18									
20									
22									
MEAN	161	8.8	107	8.1	82	7.6	50	5.5	-4.5

AUG. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	12.5	111	9.1	83	8.1	51	6.1	-1.1
2	126	9.3	103	9.4	83	8.8	52	6.4	-2.7
4	159	9.5	115	8.6	90	9.3	55	6.9	-1.2
6	255	5.6	149	8.6	100	9.4	54	6.2	1.8
8	136	6.4	101	6.5	73	5.8	43	4.1	0.3
10	180	8.6	138	8.6	100	7.6	55	5.8	1.2
12	155	11.3	123	8.9	91	7.6	50	4.9	4.4
14	153	8.3	106	8.1	81	7.3	47	4.7	-7.6
16	170	12.9	112	9.1	81	8.3	44	4.9	-4.7
18	181	12.0	137	10.3	99	9.1	56	6.6	-1.4
20	117	9.5	95	8.5	73	7.3	45	5.1	-1.8
22	146	9.9	105	8.6	77	8.1	43	5.1	1.2
MEAN	162	9.6	116	8.7	86	8.1	50	5.6	-1.0

AUG. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	125	9.1	92	8.1	70	7.3	40	5.1	-4.1
14									
16									
18	145	10.1	112	8.8	88	7.7	55	6.3	-6.8
20	101	10.1	85	8.3	71	7.8	47	5.9	-6.1
22	140	9.9	98	7.9	80	7.9	52	5.6	-9.1
MEAN	128	9.8	97	8.3	77	7.7	49	5.7	-6.5

AUG.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	130	12.3	92	10.5	76	9.6	46	6.6	0.2
2	228	5.1	136	8.9	98	10.0	55	6.9	0.3
4									
6	134	14.6	107	10.5	80	9.6	46	6.4	2.2
8	126	12.7	94	10.7	75	8.8	45	6.6	4.4
10	187	9.1	143	10.1	99	8.6	57	6.7	4.2
12	163	14.2	115	10.4	87	8.5	49	6.6	2.8
14	132	6.8	112	9.5	84	9.0	47	6.4	3.6
16	136	8.0	108	9.8	82	8.4	49	5.6	5.1
18	137	8.1	107	8.8	83	9.5	48	6.6	3.7
20	126	9.8	108	9.6	78	9.4	45	6.5	-0.5
22	137	5.7	109	8.2	83	8.0	47	5.4	-0.1
MEAN	149	9.7	112	9.7	84	9.0	49	6.4	2.4

AUG. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	98	9.3	85	7.9	70	7.3	44	5.3	-9.9
2									
4	109	9.9	94	8.1	77	7.9	48	5.6	-9.0
6	132	7.6	93	7.8	72	7.0	43	4.6	-6.5
8	163	4.3	110	8.6	83	8.0	48	5.4	-4.9
10									
12	136	6.7	117	7.4	97	6.9	61	6.1	-0.8
14	125	7.0	106	9.1	85	8.4	53	6.6	-5.9
16	131	11.3	105	8.8	85	8.2	49	5.8	-12.0
18	132	10.8	106	7.1	83	6.1	54	4.3	-18.2
20	145	7.9	120	9.0	91	8.3	54	6.3	-4.1
22	116	13.1	99	9.7	81	8.9	49	6.6	-3.2
MEAN	129	8.8	104	8.3	82	7.7	50	5.7	-7.4

AUG.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	143	7.1	109	8.7	87	7.8	53	5.2	-0.1
2	177	8.4	117	8.6	86	8.0	50	5.4	-0.4
4	145	11.9	111	10.2	84	8.3	50	5.6	-0.6
6	137	10.8	100	8.3	76	6.1	46	3.9	-7.8
8	152	7.6	121	6.4	91	5.4	57	3.9	21.5
10	153	3.0	124	6.8	103	6.5	63	4.6	13.5
12	150	8.1	127	7.4	97	6.6	59	4.8	8.3
14	198	7.1	153	5.8	121	5.9	73	4.3	11.7
16	209	4.3	133	7.3	105	6.8	65	5.0	11.2
18	152	6.3	118	6.5	93	6.1	59	4.6	18.4
20	136	10.9	115	7.3	91	6.8	56	4.8	20.9
22	140	5.6	112	7.3	87	6.6	54	5.1	15.9
MEAN	158	7.6	120	7.5	93	6.7	57	4.8	9.4

AUG.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	142	4.6	104	8.0	82	7.4	50	5.6	13.8
2	99	10.6	87	9.4	70	7.4	46	5.8	11.4
4	103	6.5	85	6.7	70	7.2	44	5.5	8.5
6	93	5.6	82	8.6	66	7.8	43	5.9	11.5
8	82	10.1	69	8.5	56	7.4	35	5.4	9.3
10	101	9.1	76	9.1	60	7.8	35	5.4	5.5
12	115	10.8	72	7.1	55	6.6	30	4.4	5.8
14	101	12.2	73	8.8	56	7.6	33	5.0	3.7
16	94	9.7	67	8.8	51	6.3	31	3.9	6.2
18	75	10.3	68	11.5	55	10.3	31	6.4	2.1
20									
22									
MEAN	101	8.9	78	8.6	62	7.6	38	5.3	7.8

AUG.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 4.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 5.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 6.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 1.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	215	9.6	158	6.6	134	5.7	85	4.9	27.6
2									
4	183	15.0	148	7.8	114	5.5	70	4.6	26.2
6	185	9.7	153	7.3	126	6.1	79	4.8	22.8
8	213	9.5	180	7.4	141	6.4	88	5.3	20.1
10	237	10.0	195	7.4	162	6.8	106	5.6	24.1
12	224	7.7	195	8.0	164	6.9	104	5.8	16.5
14									
16	244	11.3	201	9.8	163	7.3	102	5.8	19.9
18	378	13.1	223	8.6	171	7.3	109	5.6	20.9
20	234	12.0	199	10.1	167	7.8	110	6.1	19.2
22	233	9.1	189	9.8	150	7.1	94	5.4	17.8
MEAN	235	10.7	184	8.3	149	6.7	95	5.4	21.5

SEP.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 2.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	322	9.6	195	9.1	156	7.4	97	5.9	18.0
2	173	6.9	146	6.4	124	6.1	78	5.3	16.3
4	170	12.7	145	8.4	117	6.7	71	5.3	23.6
6	196	8.3	149	8.0	123	6.3	76	5.3	19.5
8	243	4.9	190	9.3	136	7.0	79	5.3	18.4
10	223	10.0	199	9.3	167	7.9	104	5.9	4.2
12	223	15.9	193	11.3	166	8.3	102	6.1	2.9
14	293	23.1	229	11.5	178	7.6	107	6.1	3.1
16	274	12.6	219	10.1	172	7.9	107	6.2	4.6
18	241	5.2	217	11.6	182	8.1	112	6.5	3.2
20	315	8.3	223	9.1	178	7.5	107	6.6	4.0
22	232	11.3	203	11.6	169	8.9	105	6.8	1.2
MEAN	242	10.7	192	9.6	156	7.5	95	5.9	9.9

SEP.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 3.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	9.1	197	8.3	158	6.9	99	6.3	0.8
2	221	13.0	189	8.0	153	6.6	88	5.8	1.5
4	236	3.8	185	8.1	144	6.8	85	5.8	5.0
6	201	17.7	161	9.6	122	6.9	70	5.6	1.7
8	207	11.1	165	8.8	125	7.3	75	6.0	6.9
10	242	11.5	199	7.9	156	5.7	94	5.8	7.7
12	226	17.1	200	9.9	168	7.1	108	6.8	8.3
14									
16									
18	345	11.0	218	9.3	168	7.7	93	6.3	0.9
20	278	10.1	209	8.4	169	8.3	98	6.8	0.9
22	219	9.3	201	10.3	167	8.3	96	6.4	2.4
MEAN	239	11.4	192	8.9	153	7.2	91	6.2	3.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	4.1987 THETA (DEG)
0	333	3.1	200	5.9	159	6.1	93	6.2	3.2
2	346	4.9	221	7.1	178	6.2	105	5.8	2.4
4	249	5.1	199	9.3	160	7.5	92	6.4	1.4
6	187	3.7	155	6.9	122	6.2	73	5.5	0.1
8	183	5.0	140	6.6	113	6.6	66	5.1	5.8
10	152	9.0	134	6.6	110	5.6	67	4.9	11.4
12	179	8.8	162	8.1	133	7.6	73	5.8	0.3
14	210	13.0	180	8.8	146	8.1	81	6.3	4.5
16	211	5.8	178	7.4	135	6.8	77	6.3	7.3
18	220	2.8	168	6.0	127	6.0	69	5.1	8.1
20	178	4.3	130	6.8	102	6.5	63	5.4	5.8
22	188	9.5	167	7.3	131	7.3	71	6.0	3.9
MEAN	220	6.2	170	7.2	135	6.7	78	5.7	4.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	7.1987 THETA (DEG)
0	151	11.8	121	6.7	91	6.6	51	5.4	11.2
2	155	6.2	101	7.8	73	8.4	41	6.0	10.2
4	158	5.9	140	7.1	107	7.9	65	6.6	10.5
6	100	9.3	85	8.3	67	8.5	41	6.1	8.7
8	119	8.4	90	6.9	66	7.3	38	5.4	8.2
10	139	5.8	101	6.3	71	6.6	40	4.9	7.0
12	128	6.3	99	7.0	68	7.3	37	5.3	12.4
14	109	11.6	85	9.3	64	8.5	36	5.8	9.1
16	109	10.4	99	8.4	78	8.4	45	6.2	9.6
18	161	6.3	101	7.1	74	8.1	43	6.1	9.6
20	125	5.6	112	6.1	86	6.9	48	5.3	7.9
22	97	4.8	74	7.0	54	6.6	33	4.8	9.6
MEAN	129	7.7	101	7.3	75	7.6	43	5.7	9.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	5.1987 THETA (DEG)
0	161	5.3	143	6.5	108	7.7	64	6.3	6.9
2	200	6.8	164	6.4	118	7.4	67	6.3	7.7
4	178	9.1	145	6.1	104	6.9	58	5.8	6.9
6	172	5.6	146	5.6	114	6.8	65	5.5	3.4
8	123	8.4	98	6.1	78	5.9	45	4.8	1.4
10	150	9.0	117	6.4	87	6.1	50	4.9	-0.7
12	137	5.4	111	6.4	81	7.1	46	5.3	10.2
14	141	8.3	114	7.8	80	8.3	43	5.8	9.7
16	111	6.1	91	8.1	67	7.8	39	5.7	9.0
18	148	8.8	121	6.5	87	7.4	50	5.8	7.1
20	175	5.3	106	6.7	72	7.1	41	4.8	8.2
22	154	8.6	104	7.3	70	6.8	40	4.8	8.2
MEAN	154	7.2	122	6.7	89	7.1	51	5.5	6.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	8.1987 THETA (DEG)
0	127	5.4	87	6.3	64	6.9	38	5.1	7.9
2	121	6.1	92	7.8	67	8.4	39	6.0	10.3
4	101	7.9	92	10.5	77	9.4	45	6.6	8.7
6	105	7.3	92	7.8	70	8.5	41	6.1	10.3
8	159	6.9	108	6.9	78	7.6	43	5.7	9.7
10	136	8.5	120	6.4	86	6.6	49	5.3	5.4
12	128	5.5	99	6.8	76	7.3	45	5.0	11.8
14	164	5.6	104	7.4	79	6.4	47	4.4	13.4
16	119	11.8	100	7.0	78	5.9	48	4.0	17.5
18	149	6.6	103	7.6	77	5.8	47	3.8	27.3
20	130	5.6	104	6.4	77	5.3	46	3.8	23.2
22	111	5.3	91	5.3	70	5.3	43	3.9	8.7
MEAN	129	6.9	99	7.2	75	6.9	44	5.0	12.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	6.1987 THETA (DEG)
0	122	5.6	99	7.6	73	7.2	41	5.6	9.0
2	119	10.7	91	8.9	71	9.0	42	6.4	11.2
4	134	9.1	91	8.6	69	8.5	41	6.4	9.1
6	114	7.3	91	7.1	65	6.8	36	4.8	8.3
8	108	5.3	88	5.6	69	6.3	40	4.4	3.3
10	115	6.8	93	5.8	70	5.9	43	4.5	2.1
12	91	6.0	79	7.8	67	7.1	42	5.3	1.1
14	102	10.6	81	9.6	61	7.8	39	6.1	4.9
16	150	6.1	120	8.7	73	7.4	41	5.5	4.9
18	200	6.0	150	6.3	99	7.0	54	5.8	7.0
20	145	5.3	129	5.8	103	6.0	57	5.3	4.7
22	132	4.3	108	5.5	85	5.9	51	4.9	-2.8
MEAN	128	6.9	102	7.3	75	7.1	44	5.4	5.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. TMEAM (SEC)	9.1987 THETA (DEG)
0	136	6.0	104	5.1	81	5.1	50	3.8	5.8
2	156	7.2	121	6.5	90	5.8	55	3.9	18.0
4	130	5.1	110	5.1	90	5.0	58	3.9	31.5
6	268	8.0	128	5.4	102	5.0	65	4.0	30.7
8	158	4.8	133	4.9	113	4.9	73	4.1	32.7
10	156	4.6	131	4.5	106	4.8	68	4.0	33.9
12	277	2.8	133	4.9	107	4.9	70	4.0	36.0
14	182	5.0	131	5.5	100	5.2	65	4.1	28.3
16	138	7.0	111	5.2	91	5.3	59	4.0	29.9
18									
20									
22									
MEAN	178	5.6	122	5.2	98	5.1	63	4.0	27.4

OCT.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	116	8.5	97	7.1	76	5.8	46	4.0	8.6
20	150	5.3	112	6.9	86	6.5	53	4.5	7.7
22	120	13.0	94	6.4	74	5.9	46	4.1	6.9
MEAN	129	8.9	101	6.8	79	6.1	48	4.2	7.7

OCT.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	132	5.8	100	5.7	78	5.8	48	4.3	-6.2
2	129	6.6	111	6.6	89	6.0	52	4.4	8.9
4	142	8.8	117	7.6	92	6.7	55	5.3	5.2
6	138	9.3	106	7.3	84	6.9	49	4.9	3.4
8	129	8.5	109	7.2	86	7.1	51	5.0	6.1
10	143	8.3	124	6.8	98	6.9	60	5.3	7.6
12	150	9.5	112	6.9	86	7.1	49	4.7	8.0
14	160	5.2	123	7.1	96	7.3	57	5.1	7.7
16	117	6.3	97	7.0	76	7.1	46	4.8	8.4
18	124	5.8	94	7.1	76	6.9	46	4.8	7.7
20	157	6.6	130	6.5	102	7.4	60	5.6	6.1
22	180	8.0	137	6.1	109	6.1	65	5.2	1.3
MEAN	142	7.4	113	6.8	89	6.8	53	4.9	5.3

OCT.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	140	8.4	118	6.0	91	6.4	51	4.8	-0.5
2	246	5.4	129	6.1	95	6.3	56	5.1	1.7
4	170	7.6	151	6.8	117	6.8	63	5.1	0.5
6	169	7.0	133	7.8	97	7.6	57	5.7	3.2
8	142	5.8	115	7.3	90	7.4	55	5.8	10.1
10	138	6.3	106	7.3	86	7.5	51	5.9	8.2
12	135	7.4	106	6.6	80	7.1	47	4.9	7.9
14	173	10.7	124	7.9	88	8.4	54	6.6	8.0
16	138	5.9	117	7.6	87	8.0	51	5.9	10.6
18	155	6.9	113	7.9	87	7.8	51	5.9	11.9
20	149	7.2	105	8.0	82	8.3	49	6.0	12.0
22	273	6.0	116	6.8	88	5.7	55	3.9	34.3
MEAN	169	7.0	119	7.2	91	7.3	53	5.5	9.0

OCT.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	154	6.0	110	5.3	88	4.9	56	3.8	30.2
2	284	2.3	170	5.8	128	5.3	81	4.2	26.3
4	167	5.4	140	5.5	113	5.3	72	4.1	32.3
6	194	5.2	157	5.9	127	5.6	76	4.2	30.4
8	200	5.6	145	5.3	118	5.4	78	4.3	33.2
10	166	4.4	131	5.1	105	5.2	69	4.1	30.6
12	155	5.3	124	4.9	97	4.7	63	3.8	28.5
14	277	4.4	136	5.8	101	5.3	60	3.9	30.3
16	133	5.2	108	5.6	90	5.3	58	3.9	25.2
18	152	5.3	107	6.0	83	5.3	50	3.8	23.0
20	127	7.1	100	6.1	76	5.1	43	3.4	22.0
22	117	10.2	92	5.8	72	5.6	44	3.8	21.5
MEAN	177	5.5	127	5.6	100	5.2	63	3.9	27.8

OCT.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	8.8	86	6.9	68	6.3	42	4.5	23.3
2	115	4.8	96	5.7	78	6.5	47	4.9	9.8
4	115	9.0	99	6.8	80	6.8	50	5.1	13.5
6	110	6.4	93	6.9	74	6.8	45	5.1	10.7
8	134	6.0	101	7.4	76	6.9	43	4.8	11.2
10	159	7.6	116	7.1	86	7.3	52	5.5	9.4
12	134	7.8	97	7.4	74	7.0	42	4.8	10.5
14	135	5.6	98	6.6	80	7.3	46	5.1	10.4
16									
18	125	9.3	101	7.4	77	7.8	44	5.4	7.8
20	120	9.5	101	7.6	78	8.0	46	5.9	5.6
22	125	8.6	94	7.4	72	7.8	43	6.0	7.7
MEAN	126	7.6	98	7.0	77	7.1	45	5.2	10.9

OCT.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	141	5.6	96	6.3	71	7.4	40	5.4	5.8
2	130	7.6	99	6.8	71	7.1	41	5.6	7.2
4									
6									
8	823	3.1	172	4.9	116	5.1	71	4.2	28.3
10	218	4.6	150	4.8	123	4.8	78	4.1	30.2
12	192	4.1	154	5.2	125	5.2	79	4.1	32.6
14	299	3.1	164	5.1	128	5.3	81	4.3	28.6
16	171	4.5	143	5.7	120	5.6	77	4.3	33.2
18	208	2.8	156	5.3	129	5.6	83	4.4	28.9
20	187	5.2	151	5.9	124	5.9	74	4.3	28.9
22	200	6.0	156	5.9	124	5.8	76	4.5	24.9
MEAN	257	4.7	144	5.6	113	5.8	70	4.5	24.9

OCT.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	290	3.5	166	4.8	129	4.9	84	4.4	29.5
2	285	5.9	159	5.1	128	5.3	81	4.4	27.2
4	178	4.2	144	5.6	115	5.4	71	4.3	24.9
6	207	5.6	149	5.1	117	5.3	76	4.4	26.2
8									
10									
12	315	4.5	196	5.8	142	5.5	85	4.2	26.2
14									
16	237	3.3	180	5.1	141	5.6	90	4.7	28.9
18	366	6.4	203	5.5	161	6.0	105	5.1	25.6
20	332	5.1	190	7.1	153	6.3	99	4.9	24.4
22	254	4.3	189	6.1	151	5.8	96	4.7	26.0
MEAN	274	4.8	175	5.6	137	5.6	87	4.6	26.5

OCT.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	234	5.0	186	5.8	148	5.8	97	4.9	26.7
2	263	5.9	169	6.1	139	5.9	90	4.8	29.2
4	212	5.3	168	6.3	139	5.8	85	4.3	25.9
6	171	5.3	149	5.3	122	5.3	79	4.4	24.9
8	215	7.0	150	5.6	121	5.8	72	4.5	5.7
10	217	5.9	178	6.6	146	6.4	89	5.1	-4.1
12	325	6.9	209	7.6	160	7.4	92	5.6	-5.7
14									
16									
18	185	7.3	167	7.8	131	6.9	77	5.8	-2.2
20	201	8.4	168	8.3	127	8.0	76	6.1	-1.6
22	164	8.4	139	8.3	109	8.3	66	6.6	2.2
MEAN	219	6.5	168	6.8	134	6.6	82	5.2	10.1

OCT.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	289	10.5	171	7.6	117	7.6	68	6.3	1.7
2									
4	204	5.4	173	6.8	128	7.4	69	5.6	1.5
6									
8	142	4.8	117	7.4	84	7.1	48	5.3	-0.8
10	154	6.8	99	8.2	73	7.3	42	5.0	3.4
12	117	7.8	101	8.4	81	7.8	48	5.3	4.9
14	111	7.8	93	8.3	72	7.5	41	5.1	7.0
16	116	7.5	94	7.3	73	7.2	42	5.1	8.9
18	151	5.2	107	7.1	81	8.0	46	5.4	6.9
20	105	8.8	90	7.3	71	7.3	42	4.9	4.3
22	126	7.3	105	7.4	76	6.7	44	4.6	5.6
MEAN	152	7.2	115	7.6	86	7.4	49	5.3	4.3

OCT.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	118	4.8	83	8.3	63	6.9	38	4.3	10.0
2	144	7.6	108	7.1	80	6.1	46	3.9	16.0
4	96	6.3	77	6.4	61	6.1	38	4.3	16.2
6	111	5.3	96	6.9	75	6.7	44	5.2	6.6
8	124	10.4	98	7.6	69	6.9	39	5.1	6.1
10	127	7.4	86	8.9	63	8.6	37	6.1	7.0
12	80	9.4	70	8.8	57	8.8	35	6.6	2.0
14	119	9.6	79	8.1	60	7.9	37	5.8	0.6
16	106	9.6	80	8.6	61	7.4	34	4.8	1.0
18	117	4.1	93	5.9	75	6.5	45	4.4	11.6
20	106	4.9	85	5.8	68	4.9	42	3.7	19.7
22	140	4.8	99	5.6	74	4.8	46	3.6	16.9
MEAN	116	7.0	88	7.3	67	6.8	40	4.8	9.5

OCT.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	130	6.6	94	6.1	74	5.0	48	3.8	21.9
2	133	9.0	108	7.6	81	7.1	48	4.9	14.5
4	171	8.9	115	8.0	86	7.8	53	5.5	11.9
6	143	8.7	110	6.9	77	6.6	45	4.9	20.1
8	139	8.4	111	6.2	84	6.8	49	5.0	17.7
10	172	7.8	140	8.3	102	7.3	59	5.8	12.1
12	167	9.4	122	8.8	89	7.9	51	5.8	13.1
14	122	9.6	100	10.3	77	8.8	47	6.4	15.5
16	172	7.4	127	9.4	89	9.0	48	5.8	8.2
18	142	7.9	109	8.5	84	7.9	46	5.5	11.6
20	153	5.6	120	6.9	89	6.0	52	4.1	24.9
22	162	6.2	129	6.7	97	6.3	57	4.6	18.2
MEAN	151	8.0	115	7.8	86	7.2	50	5.2	15.8

OCT.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	138	7.8	106	7.5	81	7.8	48	5.3	19.0
2	123	8.7	100	9.1	69	8.0	39	5.3	13.0
4	150	8.6	113	8.1	86	8.5	51	6.5	15.0
6	201	12.1	138	10.1	100	8.5	53	6.2	11.7
8	158	11.4	112	9.0	80	7.4	46	5.1	7.1
10									
12	163	11.0	124	7.3	88	7.1	51	4.9	13.7
14	124	11.2	100	8.8	79	7.8	49	5.1	16.3
16	254	12.9	152	8.8	99	7.1	55	4.6	8.9
18	157	8.0	121	5.3	96	4.9	61	4.0	33.9
20	188	4.6	137	5.0	114	4.9	72	4.2	28.4
22	191	5.1	144	4.6	112	5.2	69	4.3	27.0
MEAN	168	9.2	122	7.6	91	7.0	54	5.0	17.6

OCT.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	173	6.3	135	5.8	107	5.6	68	4.3	26.1
2	203	6.6	149	6.3	118	6.4	72	4.7	23.6
4	228	7.3	170	5.9	123	5.9	73	4.6	20.6
6	220	4.7	193	6.6	138	6.2	79	4.8	14.8
8	216	12.1	148	7.9	110	6.4	68	5.0	4.0
10	167	7.6	142	6.6	111	5.9	64	4.6	8.2
12	237	8.5	184	6.3	136	6.6	74	5.3	3.9
14	231	9.4	193	8.8	142	7.9	79	5.6	7.0
16	230	6.3	170	8.4	115	7.8	65	5.6	6.3
18	236	8.6	177	8.3	128	7.1	68	5.3	2.0
20	182	9.3	153	8.3	116	7.2	64	5.8	-0.4
22	161	5.3	129	6.7	99	6.1	58	5.2	0.5
MEAN	207	7.7	162	7.2	120	6.6	69	5.1	9.7

OCT.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	172	3.5	140	7.3	102	6.9	57	5.6	1.1
2	153	4.6	133	9.3	101	9.0	56	6.3	2.8
4	149	7.8	120	8.9	94	9.0	54	6.4	4.8
6	210	11.0	160	7.8	120	8.8	68	6.7	3.6
8	206	13.3	149	7.3	105	6.1	61	4.3	7.2
10	187	8.8	115	6.6	86	5.8	53	4.3	6.8
12									
14									
16									
18	135	9.1	107	8.5	79	7.5	46	5.2	9.0
20									
22	148	3.8	130	6.5	100	6.1	54	4.7	5.3
MEAN	170	7.7	132	7.8	98	7.4	56	5.4	5.1

OCT.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	148	7.1	113	6.4	87	7.0	50	5.2	4.3
2	162	8.3	127	8.1	95	7.3	53	4.7	5.2
4	140	9.7	105	8.6	81	6.9	49	4.6	10.0
6	139	9.1	118	7.5	90	6.6	51	4.1	19.7
8	143	7.3	104	6.9	80	5.9	50	4.1	21.0
10	269	7.3	122	5.6	85	5.1	52	3.8	21.1
12	202	9.9	123	6.6	91	5.4	55	3.9	16.8
14									
16									
18									
20	217	3.4	126	5.4	99	4.9	63	3.9	27.4
22	157	5.8	121	4.9	97	4.8	58	3.9	5.5
MEAN	175	7.5	118	6.7	89	6.0	53	4.2	14.6

OCT.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	181	8.6	146	7.1	122	6.6	77	5.2	-7.4
2	224	6.3	176	5.6	144	6.3	87	5.1	-5.3
4	268	7.8	220	5.7	178	6.1	108	4.9	7.2
6									
8	251	10.3	204	7.0	170	6.8	108	5.3	3.8
10	190	6.3	169	6.6	145	6.8	91	5.1	4.3
12	213	11.3	186	8.5	160	8.0	97	5.7	3.3
14	244	7.3	204	6.5	158	6.6	95	5.2	2.0
16	228	9.5	179	7.9	137	7.3	82	5.3	5.1
18	180	8.9	153	7.5	126	7.2	77	5.3	9.1
20	150	4.6	123	6.7	98	7.1	57	5.3	2.6
22									
MEAN	213	8.1	176	6.9	144	6.9	88	5.2	2.5

OCT.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	158	4.7	134	6.6	111	6.4	68	5.2	-5.8
2	154	7.6	115	7.3	87	6.9	49	5.3	3.9
4									
6	207	8.3	131	7.1	99	7.9	61	6.4	3.7
8	174	9.7	129	8.3	92	7.8	54	5.6	4.9
10	174	6.6	127	6.1	97	6.3	59	4.4	11.1
12	185	11.9	130	8.8	98	7.3	56	4.8	12.7
14	145	7.2	122	7.6	91	7.0	53	4.9	9.5
16	164	9.6	121	8.6	87	7.8	48	4.9	8.8
18	218	11.2	142	9.9	98	8.8	53	5.4	9.8
20	143	7.0	111	7.8	89	7.6	52	5.3	8.5
22	176	4.8	139	7.4	101	6.9	59	5.7	5.3
MEAN	173	8.1	127	7.8	95	7.3	56	5.3	6.6

OCT.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	157	7.7	126	7.5	96	6.6	53	5.1	2.4
2	129	11.2	96	6.5	74	6.6	44	5.4	3.8
4	133	10.6	94	8.3	71	6.8	40	4.4	7.9
6	173	7.9	104	6.6	78	5.9	47	4.1	10.8
8	129	10.8	94	7.8	70	6.9	42	4.4	9.2
10	117	8.2	95	7.5	73	7.1	44	4.9	4.4
12	127	4.6	91	8.0	70	7.8	41	5.2	2.5
14	134	4.3	88	8.7	67	7.4	41	5.3	2.3
16	112	12.3	90	9.4	70	8.7	40	5.6	6.0
18	111	7.9	89	8.0	67	7.4	43	5.7	-0.7
20	106	7.5	75	7.3	64	6.9	40	5.6	2.2
22	108	4.9	76	8.0	60	7.3	38	5.6	2.4
MEAN	128	8.2	93	7.8	72	7.1	43	5.1	4.4

OCT.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	9.9	95	9.0	66	7.5	39	5.8	2.7
2	123	7.3	103	7.1	76	7.1	45	5.9	3.4
4	174	9.1	109	8.9	79	8.3	48	6.8	0.1
6	113	7.3	82	8.5	61	7.8	36	5.7	2.7
8	104	7.8	88	9.4	67	8.0	42	6.2	-3.1
10	104	5.1	92	8.5	74	8.8	45	6.8	1.6
12	143	8.3	111	7.9	91	8.1	54	6.6	1.8
14	134	8.7	104	7.8	79	7.8	47	6.2	0.9
16	138	9.1	103	7.9	76	7.8	40	5.4	-0.4
18	107	7.8	94	7.8	75	8.0	44	6.0	-0.5
20	89	7.7	71	8.4	58	7.9	35	5.9	1.5
22	93	6.3	70	7.7	54	7.9	32	5.6	3.7
MEAN	119	7.9	94	8.2	71	7.9	42	6.1	1.2

OCT.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	83	8.9	72	8.5	55	8.1	33	6.0	2.7
2	103	10.8	83	8.0	60	8.0	32	5.7	5.3
4	83	8.0	67	8.3	54	8.1	32	6.4	3.4
6	103	9.0	89	9.4	67	8.3	37	6.2	4.7
8	99	9.0	80	9.0	66	8.3	42	6.9	3.3
10	99	10.5	90	10.0	73	9.3	43	7.2	5.7
12	114	9.9	99	10.3	78	8.8	47	7.3	4.1
14	122	10.6	97	9.6	72	9.4	42	7.4	4.3
16	104	10.1	90	9.6	70	9.5	42	7.7	2.3
18	108	9.9	90	10.0	70	9.7	40	7.3	0.4
20	128	10.8	104	10.1	78	9.5	46	7.8	-0.5
22	90	9.1	80	9.8	64	8.8	37	6.8	-0.3
MEAN	103	9.7	87	9.4	67	8.8	39	6.9	2.9

OCT.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	87	10.5	75	8.8	56	8.3	30	5.6	0.8
2	77	9.6	60	9.4	49	8.3	28	5.7	0.5
4	65	8.5	57	8.5	44	8.4	26	6.1	0.6
6	61	8.8	55	9.3	44	8.4	27	6.1	-1.5
8	77	8.8	62	9.4	47	9.0	27	6.1	-3.7
10	49	10.3	43	9.1	35	8.4	21	5.8	-4.7
12	49	10.7	43	9.6	35	8.9	21	6.1	-5.6
14	64	7.9	47	8.6	37	7.8	22	5.2	-11.0
16	64	10.3	47	8.4	36	7.6	22	5.4	-4.4
18	70	9.0	53	8.5	40	7.4	24	5.2	-4.8
20	56	8.8	44	7.4	34	6.7	21	4.8	-6.4
22	63	8.1	50	7.6	41	7.3	25	5.1	-3.4
MEAN	65	9.3	53	8.7	42	8.0	25	5.6	-3.6

OCT.31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	246	5.6	77	4.1	58	3.8	37	3.0	35.0
2	161	4.5	117	4.5	94	4.3	61	3.5	35.4
4	152	5.8	136	5.4	120	5.3	82	4.3	34.6
6	173	3.6	142	5.4	118	5.1	77	4.3	29.8
8	230	5.3	168	5.3	140	5.6	91	4.5	29.7
10									
12									
14									
16									
18									
20									
22									
MEAN	192	5.0	128	4.9	106	4.8	70	3.9	32.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 1.1987 TMEAM (SEC)	THETA (DEG)
0	175	6.0	152	6.3	129	6.1	84	5.0	26.3
2	174	6.8	151	6.1	122	5.9	78	4.8	29.0
4	180	7.8	149	6.1	121	5.8	75	4.7	29.7
6	158	7.2	125	5.3	103	5.5	65	4.2	32.7
8	168	4.4	123	5.3	95	5.0	59	3.9	27.0
10	164	5.0	119	4.7	94	4.8	61	3.9	27.8
12	158	4.4	108	4.8	85	4.4	51	3.3	24.9
14	152	7.1	96	5.3	78	5.0	48	3.6	24.5
16	106	5.9	90	5.6	75	5.3	49	3.9	23.3
18	107	4.4	88	5.8	69	5.4	42	3.9	21.1
20	96	7.0	76	6.6	61	6.2	38	4.3	16.9
22	216	6.3	86	6.8	62	6.7	36	4.8	14.9
MEAN	155	6.0	114	5.7	91	5.5	57	4.2	24.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 4.1987 TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6	290	4.8	173	4.8	123	5.1	74	4.1	23.4
8	205	3.7	152	5.4	118	5.4	72	4.4	20.2
10	193	2.7	158	4.3	128	5.3	80	4.3	23.4
12	339	2.7	214	4.6	163	5.5	103	4.9	23.5
14	285	4.4	188	5.1	145	5.4	93	4.8	21.9
16	248	6.6	189	5.7	152	5.8	95	4.9	23.0
18	210	7.4	170	6.8	143	5.9	92	5.0	23.4
20	202	8.3	159	7.1	130	6.2	81	4.8	24.4
22	185	6.5	146	6.4	121	5.9	76	5.0	25.2
MEAN	240	5.2	172	5.6	136	5.6	85	4.7	23.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 2.1987 TMEAM (SEC)	THETA (DEG)
0	79	8.0	68	6.5	55	7.1	34	5.2	11.1
2	97	6.4	65	7.8	51	7.1	31	5.0	10.1
4	81	7.1	65	8.3	49	7.7	29	5.5	8.9
6	64	4.9	56	8.3	47	7.2	30	5.6	4.3
8	78	13.0	66	7.9	55	8.5	33	6.3	6.2
10	126	5.1	80	7.3	62	7.3	38	5.5	6.3
12	97	7.2	77	7.0	65	6.5	42	5.4	2.4
14	95	10.1	80	8.1	64	6.9	42	5.6	1.4
16									
18	93	7.9	77	7.0	66	7.0	43	5.9	1.4
20	110	6.4	85	5.9	68	7.0	44	6.0	-0.6
22	95	5.4	81	8.0	66	7.1	41	5.7	0.6
MEAN	92	7.4	73	7.5	59	7.2	37	5.6	4.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 5.1987 TMEAM (SEC)	THETA (DEG)
0	294	2.9	182	5.1	142	5.9	87	4.6	19.9
2	207	9.3	170	7.6	128	6.8	77	4.9	20.1
4	198	8.0	153	7.3	118	7.1	71	5.4	16.0
6	190	6.3	145	6.8	112	6.9	67	5.2	15.3
8	218	4.9	151	6.0	114	6.3	70	5.1	15.8
10									
12	174	8.9	149	8.8	114	8.2	71	6.4	10.1
14									
16									
18									
20	171	5.5	122	5.9	87	6.8	51	5.4	9.3
22	134	3.8	93	8.5	68	8.3	39	5.9	6.4
MEAN	198	6.2	146	7.0	110	7.0	67	5.4	14.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 3.1987 TMEAM (SEC)	THETA (DEG)
0	98	7.6	77	6.9	63	6.8	43	6.1	-1.9
2	106	6.7	84	6.9	70	7.0	44	5.9	-4.2
4	133	7.5	96	6.7	74	6.6	47	5.8	-2.8
6	138	7.1	106	6.9	81	7.1	50	5.8	-3.8
8	140	7.8	122	7.3	95	7.6	56	5.9	-3.4
10	280	4.4	153	6.6	113	7.2	64	5.8	-4.4
12									
14									
16									
18									
20									
22									
MEAN	149	6.8	106	6.9	83	7.0	51	5.9	-3.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 6.1987 TMEAM (SEC)	THETA (DEG)
0	158	5.1	113	7.9	79	8.0	41	5.9	7.0
2	95	8.1	77	9.0	58	8.4	35	6.0	18.2
4	90	8.6	71	7.3	56	6.5	36	5.1	23.3
6	105	4.9	88	7.8	72	6.5	46	5.1	24.9
8	87	6.6	75	7.6	60	6.8	38	4.9	22.8
10	89	8.0	66	9.1	52	7.3	32	4.9	18.5
12									
14									
16									
18									
20	105	6.0	82	4.8	68	4.8	46	4.1	26.0
22	105	4.0	86	4.8	70	4.8	45	4.1	23.5
MEAN	104	6.4	82	7.3	64	6.6	40	5.0	20.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 7.1987 TMEAM (SEC)	THETA (DEG)
0	102	4.5	81	4.4	66	4.9	43	4.0	23.5
2	106	7.8	80	6.4	64	5.8	41	4.5	23.5
4	104	4.9	78	6.0	64	6.1	42	4.8	22.6
6	81	9.9	71	7.8	56	5.9	37	4.4	20.0
8	81	4.4	67	6.1	54	5.8	34	4.3	19.0
10									
12									
14									
16									
18									
20	262	4.9	112	6.1	78	5.3	45	3.8	20.6
22	157	8.3	126	6.8	90	6.6	50	4.8	12.3
MEAN	128	6.4	88	6.2	67	5.8	42	4.4	20.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV.10.1987 TMEAM (SEC)	THETA (DEG)
0	192	9.6	170	9.8	141	8.4	79	6.1	17.4
2	200	12.0	168	9.8	135	8.6	73	6.5	11.5
4	233	11.1	170	9.3	129	9.5	73	7.8	12.2
6	191	11.8	159	10.0	120	9.3	72	7.8	12.8
8	167	9.8	146	8.8	112	9.1	67	6.9	9.4
10									
12									
14									
16									
18									
20									
22	284	9.5	216	10.3	140	9.0	87	6.3	16.7
MEAN	197	13.1	158	8.8	123	15.3	71	10.5	15.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 8.1987 TMEAM (SEC)	THETA (DEG)
0	168	8.8	145	7.6	113	6.4	67	4.6	29.4
2	268	10.4	170	8.1	113	6.9	65	5.3	10.8
4	274	8.3	184	7.6	141	7.4	84	5.8	9.0
6	222	7.1	178	7.9	145	7.9	91	6.3	12.5
8	296	8.8	211	7.9	160	7.4	92	5.9	9.3
10	247	8.0	207	7.1	168	7.4	101	6.1	11.5
12	307	4.2	225	5.9	163	6.6	97	5.4	10.7
14									
16									
18									
20	234	9.3	198	8.3	170	8.3	111	6.4	7.7
22	167	8.9	155	9.2	136	7.8	93	6.3	17.5
MEAN	253	8.2	198	7.6	154	7.3	92	5.7	3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV.11.1987 TMEAM (SEC)	THETA (DEG)
0	181	10.5	166	12.4	139	12.1	85	8.4	22.3
2	178	8.0	157	10.1	132	9.6	75	6.7	24.5
4	221	12.1	199	12.6	170	11.6	100	8.3	18.7
6	238	13.7	213	12.0	177	10.4	103	7.8	16.6
8	300	13.2	261	13.3	208	12.3	116	8.8	22.3
10									
12									
14									
16									
18									
20									
22									
MEAN	224	11.5	199	12.1	165	11.2	96	8.0	20.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. 9.1987 TMEAM (SEC)	THETA (DEG)
0	171	11.4	146	8.3	127	8.2	83	5.9	22.3
2	239	11.3	186	8.7	159	8.0	100	6.4	25.4
4	257	11.3	229	10.5	190	8.8	105	6.6	18.0
6	306	4.4	199	7.8	151	7.4	87	5.2	20.3
8	233	8.3	188	7.8	135	6.6	78	4.9	24.8
10	222	10.2	183	7.8	145	7.3	82	5.1	14.5
12	243	9.4	208	10.0	167	8.8	96	6.5	6.6
14	251	10.1	199	9.0	147	8.7	83	6.3	8.4
16	260	10.9	212	9.4	160	8.3	88	6.5	9.0
18	314	11.9	235	10.1	177	8.8	98	6.7	9.5
20	233	10.4	193	9.1	138	8.9	75	6.3	9.5
22	201	12.1	182	11.1	151	8.9	83	6.7	9.5
MEAN	244	10.1	197	9.1	154	8.2	88	6.1	14.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV.12.1987 TMEAM (SEC)	THETA (DEG)
0	261	5.9	174	11.5	122	7.7	68	4.9	13.5
2	197	13.6	168	13.6	141	11.1	85	7.6	22.4
4	234	13.2	198	12.8	163	10.8	98	8.0	24.8
6	225	8.9	207	10.3	184	10.3	117	8.6	12.6
8	306	7.8	249	10.5	206	10.4	113	8.0	9.7
10									
12									
14									
16									
18									
20									
22									
MEAN	245	9.9	199	11.7	163	10.1	96	7.4	16.6

NOV.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	207	10.1	171	7.2	147	6.8	100	5.5	23.4
6	206	10.3	174	8.0	149	7.3	100	5.9	19.9
8	236	8.3	192	9.4	162	8.4	108	6.1	20.0
10	303	4.5	231	6.1	169	6.6	110	5.7	27.0
12									
14									
16									
18									
20									
22									
MEAN	245	8.4	194	7.4	158	7.0	107	5.6	1.9

NOV.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	289	3.2	203	4.9	134	6.3	75	5.3	12.7
6	186	3.9	153	5.9	127	6.8	73	5.5	10.5
8	209	12.3	166	7.8	133	6.4	76	5.2	20.5
10									
12									
14									
16	236	5.2	177	7.2	128	6.7	68	5.6	7.4
18	182	8.9	160	7.9	124	7.5	66	5.7	7.8
20	166	6.4	138	7.2	110	6.0	61	5.0	4.9
22	168	4.0	137	6.9	108	6.6	59	5.5	8.3
MEAN	205	6.3	162	6.8	123	6.6	68	5.4	10.3

NOV.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	235	4.4	174	5.6	127	6.8	70	5.9	9.1
2	222	12.5	164	9.3	115	8.4	65	6.6	8.0
4	223	9.6	156	8.4	101	7.8	55	6.5	8.7
6	199	13.9	164	7.6	122	6.8	69	6.7	6.2
8	172	9.2	141	7.9	110	8.0	57	6.1	2.2
10	199	4.8	154	6.9	117	7.9	70	6.6	1.8
12	160	10.4	141	8.5	114	8.4	69	7.0	1.5
14	166	5.8	141	7.4	104	7.3	60	5.3	12.5
16	166	8.8	141	6.6	104	7.3	59	5.4	12.9
18	150	5.0	122	5.3	92	5.5	53	4.2	19.9
20	171	6.6	125	6.6	96	5.9	57	4.8	25.8
22	147	9.3	120	6.8	91	5.9	52	4.6	21.9
MEAN	184	8.4	145	7.2	108	7.2	61	5.8	10.9

NOV.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	160	4.6	115	6.2	91	5.9	56	4.5	26.4
2	141	6.8	112	7.6	88	6.9	53	5.1	25.0
4	163	7.3	117	7.1	93	6.4	56	5.1	24.3
6	165	7.1	122	6.3	91	6.3	56	4.8	26.2
8	160	4.0	121	5.9	95	6.4	60	5.3	24.3
10	162	5.8	133	4.9	104	5.9	63	4.7	20.5
12	116	6.8	93	6.0	77	5.5	49	4.3	25.5
14	142	4.6	113	6.6	87	5.9	53	4.3	23.2
16	131	5.3	102	5.7	80	5.6	49	4.1	25.5
18	145	4.3	114	5.5	90	5.5	55	4.3	21.9
20	139	8.5	103	5.8	80	5.3	49	4.1	21.5
22	121	5.2	104	5.2	80	5.3	48	4.3	21.7
MEAN	145	5.9	112	6.1	88	5.9	54	4.6	23.8

NOV.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	143	4.8	106	6.5	78	6.5	46	4.8	16.6
2	126	7.1	101	6.7	76	7.2	45	5.4	14.3
4	95	7.1	78	7.8	62	7.6	39	5.5	14.0
6	78	6.3	65	8.1	55	7.3	35	5.3	13.7
8	108	9.4	81	9.3	66	8.3	38	5.6	11.4
10	113	7.3	85	7.8	69	7.9	39	5.5	7.4
12									
14									
16									
18									
20									
22									
MEAN	111	7.0	86	7.7	68	7.5	40	5.3	12.9

NOV.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	88	5.5	65	7.0	52	6.5	32	4.3	24.6
20	83	4.0	57	5.2	47	5.0	31	4.1	24.4
22	92	4.6	63	5.8	49	5.4	32	4.2	23.8
MEAN	88	4.7	62	6.0	49	5.6	32	4.2	24.3

NOV.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	119	4.3	95	5.4	78	5.8	47	4.6	23.6
2	82	5.9	71	7.1	56	6.6	34	4.6	17.8
4	73	9.4	61	8.1	49	7.3	30	5.1	22.9
6	80	9.1	70	8.5	55	7.3	35	5.3	24.0
8	83	8.4	72	7.6	58	7.5	36	5.6	18.7
10	77	4.1	63	8.4	48	7.8	28	5.4	17.3
12	94	7.9	68	9.3	49	7.9	29	5.1	12.3
14	86	9.5	68	9.6	53	7.5	31	5.1	15.1
16	78	10.1	69	9.3	55	8.3	32	5.9	11.6
18	57	9.1	51	10.5	41	9.5	25	6.6	12.8
20	59	9.3	54	9.0	43	8.8	25	6.3	7.0
22	60	9.3	48	8.0	35	8.0	20	5.6	7.8
MEAN	79	8.0	66	8.4	52	7.7	31	5.4	15.9

NOV.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	4.4	64	6.4	50	7.1	29	5.6	4.0
2	94	7.8	70	7.9	54	7.8	32	5.8	-3.8
4	85	8.6	62	7.3	48	7.3	27	5.5	-5.3
6	78	10.3	52	7.3	41	7.1	25	4.9	-4.2
8	64	8.2	53	7.5	41	7.6	24	5.3	1.5
10									
12	69	7.4	47	4.5	38	3.9	25	2.9	39.2
14	95	6.5	68	5.2	54	4.4	33	3.1	44.9
16	106	5.6	88	6.0	69	5.7	43	4.1	36.5
18									
20	127	5.8	100	5.6	83	5.7	56	5.1	31.2
22	141	5.2	90	5.6	71	5.5	44	4.3	28.8
MEAN	95	7.0	69	6.3	55	6.2	34	4.7	17.3

NOV.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	4.9	76	6.0	61	5.6	39	4.3	29.9
2	113	6.3	84	5.8	66	5.6	41	4.4	25.9
4	98	6.6	69	6.3	56	6.6	32	4.7	28.3
6	101	6.1	70	6.5	52	6.1	30	4.3	32.8
8	92	6.8	75	6.8	59	6.8	37	5.2	29.2
10	68	6.9	59	6.3	48	6.7	30	4.9	21.9
12	84	5.0	67	7.0	52	6.6	32	4.9	20.5
14	97	7.5	70	6.4	55	6.2	31	4.0	23.4
16	89	6.4	73	5.8	60	5.9	36	4.3	26.4
18	101	7.9	80	6.8	63	6.5	41	5.1	27.3
20	109	9.1	83	7.4	67	6.6	43	5.1	27.5
22	125	6.4	89	6.0	69	6.6	42	5.1	24.0
MEAN	98	6.7	75	6.4	59	6.3	36	4.7	26.4

NOV.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	6.9	76	6.1	59	6.3	35	4.9	25.0
2	105	6.8	82	5.7	64	6.9	38	5.0	18.3
4	158	4.3	94	6.6	71	6.6	42	5.3	16.0
6	84	8.7	66	6.4	55	6.1	35	4.5	21.8
8	94	6.9	77	6.3	62	6.1	39	4.4	20.3
10	108	4.9	92	5.8	75	5.9	47	4.5	22.6
12	109	6.3	84	5.9	66	5.6	43	4.4	25.0
14									
16	112	6.0	82	7.4	62	6.6	39	4.8	21.6
18	96	6.3	69	8.0	55	7.0	34	5.1	21.8
20	79	9.0	66	7.5	53	7.0	33	5.1	21.2
22	108	8.3	83	7.6	65	7.3	39	5.3	18.4
MEAN	105	6.8	79	6.7	62	6.5	39	4.8	21.1

NOV.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	3.9	94	6.9	66	6.8	37	5.0	14.2
2	163	6.6	116	5.9	85	6.6	49	5.5	17.7
4	174	4.5	144	6.3	95	7.4	53	6.2	17.5
6	176	10.3	149	8.8	103	7.6	56	6.3	15.9
8	239	4.2	186	8.9	133	7.8	68	6.9	11.9
10	185	10.7	161	10.5	113	10.8	62	7.6	7.6
12	246	13.8	213	9.6	167	8.7	87	8.2	16.1
14	235	14.3	211	11.9	172	9.1	92	7.4	14.6
16	266	12.4	201	10.3	151	8.6	80	7.0	7.8
18	206	10.8	178	6.3	136	5.6	82	4.9	22.6
20	242	8.7	190	7.1	147	6.5	94	5.2	33.5
22	217	8.0	176	6.8	142	6.2	91	5.1	23.0
MEAN	206	9.0	168	8.3	126	7.6	71	6.3	16.9

NOV.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	181	4.1	153	6.0	128	5.8	86	4.8	27.7
2	158	5.0	144	6.3	120	5.9	83	4.8	26.8
4	164	9.7	139	7.1	121	6.0	82	4.8	25.4
6	185	7.2	165	7.9	144	6.9	97	5.1	25.5
8	316	4.8	185	6.6	154	6.7	105	5.3	25.4
10									
12									
14									
16									
18	247	13.3	195	10.5	164	8.3	100	6.2	18.1
20	256	4.1	179	8.3	145	6.7	91	5.8	17.6
22	243	14.9	187	11.4	150	9.1	92	6.4	20.0
MEAN	219	7.9	168	8.0	141	6.9	92	5.4	23.3

NOV.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	17.6	166	9.5	134	7.5	81	5.8	22.9
2	201	9.8	155	8.0	131	6.9	78	5.4	21.5
4	203	3.4	155	7.2	123	6.2	73	5.4	16.0
6	189	12.3	153	11.1	125	8.2	75	6.3	20.8
8	193	3.7	151	6.4	124	6.1	72	5.4	20.1
10	218	4.3	173	6.0	132	6.8	80	6.1	16.0
12	223	3.5	190	8.9	157	7.6	87	6.1	15.3
14	217	7.6	179	7.9	139	7.1	82	6.1	14.3
16	177	8.5	144	7.9	107	6.6	60	5.0	21.1
18	206	13.5	157	6.9	112	6.1	63	4.8	15.6
20	171	5.5	145	5.4	112	5.7	64	5.2	15.9
22	193	4.8	160	6.4	119	6.6	64	5.3	15.7
MEAN	200	7.9	161	7.6	126	6.8	73	5.6	17.9

NOV.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	11.1	138	7.3	97	7.4	58	5.5	13.8
2	168	4.1	121	5.8	90	6.1	52	4.6	18.8
4	137	3.5	112	5.2	88	5.5	53	4.4	20.9
6	147	8.4	124	6.1	103	5.8	62	4.8	20.0
8	174	9.8	138	8.8	100	7.3	59	5.5	19.4
10	172	7.0	135	6.1	95	6.2	56	4.5	17.0
12	169	4.9	135	6.1	106	6.1	65	5.1	17.1
14	177	9.4	142	5.8	107	5.7	64	4.9	17.0
16	165	11.1	146	6.1	109	5.8	61	4.8	13.7
18	160	6.8	126	5.3	98	5.1	60	4.3	20.1
20	180	3.4	136	5.7	106	5.0	63	4.1	16.9
22	178	7.4	122	4.9	90	5.3	54	4.0	21.1
MEAN	168	7.2	131	6.1	99	5.9	59	4.7	18.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	1.1987 THETA (DEG)
0	217	7.7	131	6.3	93	5.7	57	4.1	20.0
2	150	4.1	125	5.7	96	5.6	58	4.5	18.3
4	177	6.6	136	5.9	103	5.0	62	4.1	18.6
6	178	4.6	133	4.8	104	5.1	63	4.1	16.1
8	188	4.5	132	5.4	100	5.4	62	4.3	11.8
10	210	4.1	156	5.1	117	5.3	70	4.4	11.0
12	216	4.8	171	6.1	137	6.1	88	4.9	8.8
14	234	7.0	193	7.8	152	6.2	92	4.9	6.6
16	195	3.6	167	7.2	135	6.5	83	5.3	3.1
18	185	7.9	158	7.4	134	6.6	84	5.3	2.6
20	173	10.3	154	7.8	129	6.8	82	5.3	4.6
22	211	10.5	172	9.4	145	8.6	93	6.3	0.0
MEAN	195	6.3	152	6.6	120	6.1	75	4.8	10.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	4.1987 THETA (DEG)
0	195	9.4	164	6.4	131	6.6	70	6.5	16.9
2	150	7.4	133	6.9	100	7.3	52	6.3	14.5
4	177	10.8	134	8.1	101	8.8	55	7.3	17.5
6	181	8.5	140	8.6	92	8.4	50	7.3	15.7
8	203	8.1	155	5.6	111	6.9	59	5.9	22.4
10	196	4.0	142	6.2	102	6.1	58	5.3	17.9
12	183	9.0	134	6.8	96	7.2	55	5.6	22.2
14	192	4.3	148	7.1	106	7.7	59	5.6	16.4
16	185	13.5	161	9.3	118	7.9	68	5.5	24.9
18									
20									
22									
MEAN	185	8.3	146	7.2	106	7.4	58	6.1	18.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	2.1987 THETA (DEG)
0	307	3.0	209	10.2	167	8.9	98	6.3	2.8
2	228	7.9	213	8.5	182	8.4	113	6.8	-0.1
4	300	8.8	214	8.4	175	9.1	109	7.1	0.5
6	201	10.9	170	7.8	146	7.3	85	6.1	6.0
8	185	5.2	165	8.2	135	7.1	71	6.1	6.1
10	200	7.3	157	7.5	110	8.0	55	5.9	9.2
12	169	11.0	130	9.5	97	8.1	54	5.6	11.7
14	125	9.6	105	8.3	81	7.8	48	5.8	22.7
16	151	3.6	113	7.3	82	6.8	47	5.1	26.1
18	132	3.6	95	6.4	67	6.6	39	5.0	21.1
20	83	6.1	67	5.6	49	5.9	28	4.6	17.9
22	64	8.1	51	7.3	39	7.1	23	5.0	22.4
MEAN	179	7.1	141	7.9	111	7.6	64	5.8	12.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	5.1987 THETA (DEG)
0	154	10.4	134	10.0	111	7.6	65	5.6	31.2
2	207	8.1	175	9.7	142	9.3	82	6.8	24.4
4	201	12.3	171	7.3	131	6.9	72	6.3	18.1
6	228	13.0	173	8.4	123	8.3	68	6.6	17.1
8	187	12.8	167	7.9	129	7.5	72	6.6	14.9
10	195	10.6	157	6.3	117	7.3	67	6.6	18.0
12									
14									
16									
18	193	4.6	137	5.8	112	5.7	67	4.7	25.8
20	133	6.9	108	5.9	88	5.4	55	4.3	23.3
22	114	9.1	95	7.2	76	5.4	48	4.0	25.0
MEAN	179	9.8	146	7.6	114	7.0	66	5.7	22.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	3.1987 THETA (DEG)
0	76	11.0	54	9.0	42	7.7	26	5.8	24.3
2	74	10.6	53	9.0	42	7.8	24	4.9	21.6
4	74	10.7	62	8.8	50	8.3	30	6.4	20.9
6	145	9.5	84	8.4	54	8.0	31	5.6	24.9
8	110	4.1	75	7.2	56	7.4	32	5.1	18.3
10	111	3.8	85	7.3	65	8.2	37	6.3	15.8
12	102	9.4	82	8.5	60	7.5	37	5.6	20.9
14	100	12.6	84	7.4	64	8.5	38	6.1	19.0
16	161	10.2	91	9.8	61	7.9	35	5.4	15.4
18	150	12.1	104	5.9	73	6.8	39	5.3	24.1
20	144	8.4	100	5.7	75	5.1	41	4.8	28.0
22	150	11.6	116	6.4	90	5.8	49	4.9	17.6
MEAN	116	9.5	83	7.8	61	7.4	35	5.5	20.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. TMEAM (SEC)	6.1987 THETA (DEG)
0	120	4.2	102	6.5	85	5.7	53	4.2	23.9
2	148	7.6	130	5.8	112	5.4	73	4.4	26.4
4	172	2.6	153	5.8	132	5.6	87	4.8	26.9
6	213	7.3	178	7.0	150	6.1	101	4.9	30.3
8	192	4.2	167	7.1	145	6.5	102	5.0	26.7
10	227	8.3	170	7.3	138	6.4	92	4.9	26.8
12	237	6.8	175	6.2	150	6.5	102	5.1	26.2
14	238	7.6	196	7.3	166	7.0	111	5.5	25.4
16	204	10.6	189	8.9	164	7.5	108	5.8	28.3
18	198	9.3	169	8.1	145	7.4	98	5.6	24.2
20	167	10.6	130	7.9	103	6.1	64	4.6	24.8
22	142	12.8	111	8.3	86	5.9	50	4.6	17.5
MEAN	188	7.7	156	7.2	131	6.3	87	4.9	25.6

DEC. 7.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	155	11.2	123	8.8	95	6.6	56	4.9	17.7
2	210	10.5	159	8.8	129	7.8	80	5.7	19.0
4	193	9.1	174	9.0	152	7.6	94	5.9	15.3
6	246	11.4	192	9.3	154	8.1	98	5.8	16.4
8	217	9.1	184	10.0	155	8.0	97	5.8	15.0
10	202	4.6	169	7.1	138	6.6	82	5.1	17.6
12	184	10.5	157	7.6	131	6.4	84	5.4	17.2
14	213	8.3	181	8.1	145	6.9	86	5.6	16.8
16	249	9.3	196	8.2	159	7.1	94	5.8	19.0
18	203	6.6	170	8.0	141	7.3	83	5.4	20.7
20	155	14.4	136	9.6	116	7.3	71	5.4	21.1
22	144	11.4	116	8.4	96	5.6	57	4.9	18.6
MEAN	198	9.7	163	8.6	134	7.1	82	5.5	17.9

DEC.10.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	153	9.5	119	6.4	99	5.4	58	4.3	12.6
2	146	6.4	117	4.5	95	4.8	59	4.4	3.1
4	175	6.1	125	5.8	101	5.3	61	4.6	10.3
6	149	9.3	126	7.2	97	6.7	59	4.8	10.6
8	173	4.7	138	6.0	108	6.4	67	4.9	11.5
10	175	4.2	141	5.8	112	5.6	69	4.4	22.1
12	173	7.7	141	5.9	114	5.6	71	4.6	16.8
14	196	3.8	138	5.6	104	5.5	62	4.5	13.8
16	171	5.1	129	6.8	98	6.4	59	4.6	16.5
18	164	8.1	127	7.1	100	6.6	62	5.1	14.4
20	177	9.3	139	6.6	105	6.6	62	5.3	15.2
22	164	4.0	138	6.3	110	6.1	63	5.1	6.9
MEAN	168	6.5	132	6.2	104	5.9	63	4.7	12.8

DEC. 8.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	122	11.8	100	7.9	79	5.8	47	4.7	23.4
2	152	10.0	130	7.3	111	6.8	66	5.3	22.7
4	195	7.9	169	7.5	130	7.8	74	6.0	21.2
6	240	7.4	187	7.3	138	6.5	76	5.8	18.8
8	192	4.0	156	5.6	118	6.8	69	5.9	15.8
10	212	4.9	163	6.9	126	6.0	66	5.3	11.9
12	186	6.9	142	8.1	109	6.8	61	5.4	13.1
14	203	7.5	180	9.8	139	8.4	82	7.0	10.8
16	231	6.8	167	8.5	119	7.8	69	6.4	11.6
18	176	10.3	139	6.6	109	7.4	62	5.8	13.7
20	171	6.3	135	7.1	105	6.6	60	5.7	12.1
22	155	12.1	128	6.3	106	5.6	60	4.9	6.6
MEAN	186	8.0	150	7.4	116	6.9	66	5.7	15.1

DEC.11.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	136	6.2	117	5.5	95	5.6	55	4.6	2.3
2	159	9.9	121	7.7	95	6.2	53	4.8	2.3
4	169	6.4	132	6.4	100	6.3	56	5.4	3.9
6	153	7.0	130	7.3	101	7.7	59	6.3	3.5
8	162	7.3	144	7.2	108	7.3	62	6.1	1.3
10									
12									
14	175	7.3	133	6.8	99	7.5	57	6.5	3.6
16	152	4.4	116	8.7	86	8.3	50	6.8	1.4
18	165	7.5	123	7.2	95	8.3	56	6.7	2.6
20	145	10.4	125	7.2	96	7.8	55	5.8	3.8
22	198	7.8	133	6.6	110	5.6	68	4.5	22.4
MEAN	161	7.4	127	7.1	99	7.1	57	5.7	4.7

DEC. 9.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	3.1	94	5.2	78	4.4	46	4.2	4.7
2	130	6.3	116	6.1	95	6.0	53	4.9	7.8
4	156	10.4	116	7.1	84	7.1	49	5.8	6.1
6	146	4.4	126	8.0	94	8.3	49	5.8	7.8
8	156	4.1	120	6.6	86	6.7	51	4.9	9.0
10	170	3.5	128	5.1	100	6.0	62	5.1	7.5
12	151	4.8	126	6.3	97	6.1	56	4.9	5.4
14	188	7.8	136	5.8	103	5.8	62	4.6	7.4
16	185	4.3	120	6.3	93	6.4	59	5.2	7.9
18	214	6.3	157	5.5	122	5.9	71	4.6	8.7
20	166	6.4	139	6.9	110	5.7	68	4.5	16.6
22	154	5.3	128	5.7	106	5.0	63	4.1	3.0
MEAN	161	5.6	126	6.2	97	6.1	57	4.9	7.7

DEC.12.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	136	6.1	119	5.5	102	5.3	66	4.3	25.4
2	140	5.5	117	5.8	101	5.6	64	4.1	26.7
4	186	6.3	157	6.8	134	6.3	88	4.9	25.2
6	196	5.1	173	7.1	150	6.8	102	5.3	27.1
8	211	6.6	181	7.0	158	6.6	105	5.2	27.8
10									
12									
14									
16									
18	206	8.4	179	7.4	151	6.8	93	5.1	18.7
20	245	6.9	181	6.4	154	6.5	99	5.2	24.6
22	199	6.9	160	6.9	132	6.4	84	4.8	22.5
MEAN	190	6.5	158	6.6	135	6.3	88	4.9	24.7

DEC.13.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	6.3	136	6.1	119	6.3	75	4.8	23.2
2	175	7.5	123	6.3	101	5.6	64	4.4	17.0
4	165	5.3	141	5.9	114	5.7	71	4.4	20.7
6	214	6.8	173	4.9	137	4.9	84	4.1	25.0
8	241	6.8	183	5.9	150	6.1	97	5.0	22.8
10	242	5.2	187	6.1	152	6.6	96	4.9	20.7
12	194	7.5	167	6.7	142	6.4	94	4.9	21.8
14	239	5.3	177	6.8	141	5.9	90	4.6	27.5
16	196	9.0	167	5.5	138	5.7	86	4.5	27.7
18	190	5.6	158	6.3	134	5.8	82	4.5	24.3
20	200	8.3	165	6.1	133	5.6	83	4.4	23.0
22	196	4.5	167	5.6	135	5.4	81	4.4	18.9
MEAN	200	6.5	162	6.0	133	5.8	84	4.6	22.7

DEC.14.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	7.1	145	6.3	120	5.8	74	4.4	24.8
2	180	4.9	143	5.3	115	5.1	69	4.1	21.2
4	183	8.9	145	5.9	119	5.5	74	4.4	17.4
6	180	4.8	152	5.6	124	5.6	79	4.6	25.3
8	188	9.8	163	8.4	137	7.3	82	5.3	17.7
10	195	9.3	158	6.7	130	6.4	80	5.1	18.7
12	168	6.1	151	6.8	125	6.2	77	5.1	19.6
14	171	6.0	141	6.6	116	5.9	70	4.6	20.9
16	161	6.9	133	6.1	106	6.0	64	4.6	20.3
18	172	8.3	132	5.8	105	5.5	64	4.7	18.7
20									
22	164	8.1	140	6.6	115	6.4	67	5.1	17.6
MEAN	177	7.3	146	6.4	119	6.0	73	4.7	20.2

DEC.15.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	7.6	136	5.9	101	6.3	60	5.3	13.9
2	165	4.8	130	5.2	104	5.4	61	4.8	7.0
4	563	3.3	140	4.9	94	5.0	54	4.6	11.6
6	133	4.0	108	5.0	85	5.9	52	5.2	9.7
8	136	4.6	110	5.1	83	6.3	47	5.2	5.8
10									
12									
14	112	4.8	85	6.3	64	7.4	38	5.8	-3.6
16									
18									
20	120	4.4	98	6.4	78	6.3	46	5.3	-0.6
22	120	5.2	103	6.1	80	6.5	46	5.0	1.5
MEAN	189	4.8	114	5.6	86	6.1	51	5.1	5.7

DEC.16.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	4.9	85	6.4	65	7.0	39	5.4	-4.3
2	123	4.4	82	5.9	60	6.7	37	5.6	-3.8
4									
6	87	4.9	64	6.9	51	6.8	32	5.7	-1.7
8	92	4.9	70	6.8	54	7.2	33	5.5	-1.2
10	83	7.5	71	7.4	57	7.8	33	6.1	2.0
12	72	9.9	58	8.3	48	8.4	30	6.4	-1.6
14	100	7.2	75	8.0	55	8.7	30	6.3	-1.0
16	105	6.8	80	6.4	61	7.1	34	5.4	1.2
18	78	5.1	63	5.8	50	7.3	30	5.5	1.3
20	80	4.6	67	6.1	51	6.6	30	5.3	5.4
22	83	6.4	69	7.2	55	6.9	34	4.8	12.1
MEAN	92	6.1	71	6.8	55	7.3	33	5.6	0.8

DEC.17.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	4.5	89	5.5	69	5.7	44	4.9	17.3
2	67	9.6	57	7.9	44	7.8	26	5.6	10.6
4	66	9.4	56	9.0	46	9.1	28	7.1	-1.5
6	72	4.8	58	7.8	45	8.3	27	5.9	-1.9
8	76	6.9	60	8.3	45	8.3	24	5.2	-6.7
10	69	7.9	56	9.7	44	10.1	25	6.8	0.9
12	68	10.3	52	7.4	39	5.4	24	3.4	-18.1
14	84	6.2	59	5.1	48	4.4	30	3.1	39.0
16	85	5.1	69	4.6	56	4.5	36	3.5	39.7
18	87	3.9	67	5.3	53	5.0	33	3.8	26.7
20	124	3.4	89	5.4	72	5.1	45	4.0	27.7
22	106	5.9	95	5.5	81	5.5	51	4.1	30.0
MEAN	84	6.5	67	6.8	54	6.6	33	4.8	13.6

DEC.18.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	6.1	100	5.6	84	5.4	54	4.3	29.9
2	133	4.3	106	5.6	88	5.9	55	4.4	27.6
4	169	6.6	118	5.6	98	6.1	62	4.8	27.7
6	160	5.3	127	5.6	103	6.0	65	5.1	26.0
8	185	7.0	151	6.5	119	5.8	68	5.0	24.0
10	156	7.4	132	5.1	103	5.6	65	5.1	23.5
12	150	4.3	129	5.5	106	6.3	64	5.1	24.5
14	159	6.7	130	5.9	98	6.3	59	5.0	20.3
16	166	4.6	137	4.9	105	5.4	63	4.8	18.9
18	120	4.5	103	4.6	85	4.8	52	4.0	20.0
20	116	7.4	92	4.7	73	4.5	46	3.9	17.9
22	112	4.1	91	4.2	70	4.5	41	3.6	19.2
MEAN	146	5.7	118	5.3	95	5.5	58	4.6	23.3

DEC.19.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	132	6.6	106	4.6	81	4.9	49	4.6	15.7
2	166	9.1	107	6.5	79	7.1	45	5.1	12.3
4	126	4.4	105	6.0	79	7.0	44	5.1	11.8
6	117	4.6	90	6.3	69	6.9	40	5.0	9.6
8	141	4.7	99	6.1	75	6.8	44	5.3	9.0
10									
12									
14									
16									
18	98	4.1	82	4.7	62	6.1	37	5.1	1.3
20	97	3.5	80	4.8	66	4.9	42	4.4	1.8
22	88	4.3	74	4.4	62	4.4	38	4.0	-2.4
MEAN	121	5.2	93	5.4	72	6.0	42	4.8	7.4

DEC.20.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	109	5.4	89	5.1	70	5.6	42	4.8	2.5
2	150	7.4	105	5.3	79	6.9	45	5.1	-1.6
4	98	4.7	82	6.8	64	7.2	40	5.4	2.0
6	106	7.3	80	6.6	61	7.2	37	5.5	0.1
8	132	5.1	94	5.6	67	6.8	40	5.3	1.1
10	111	4.7	87	6.0	69	7.1	41	5.6	-0.1
12	97	4.0	81	6.3	64	5.9	38	4.3	10.4
14	122	4.9	82	6.3	60	5.8	35	3.7	10.2
16	135	5.0	83	5.5	63	5.5	38	3.8	11.7
18	109	3.8	93	5.4	73	5.8	46	4.4	8.3
20	97	3.9	78	4.1	66	4.7	43	3.9	10.9
22	98	3.9	76	3.8	63	4.1	40	3.6	9.6
MEAN	114	5.0	86	5.6	67	6.0	40	4.6	5.4

DEC.21.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	7.0	79	5.0	60	5.6	37	4.3	15.0
2	112	4.3	94	4.8	76	4.8	49	3.8	24.6
4	125	4.6	96	5.1	76	4.9	47	3.9	22.6
6	134	4.9	97	5.0	78	4.9	51	4.1	19.8
8	159	8.1	124	5.4	98	5.3	60	4.0	27.9
10	131	6.4	111	6.6	94	5.9	59	4.3	26.1
12	168	9.5	115	5.8	90	5.8	55	4.3	22.8
14	120	5.4	104	5.6	82	5.8	52	4.5	17.3
16	142	5.9	96	6.6	75	6.3	44	4.3	16.1
18	127	4.5	89	5.7	69	5.9	41	4.5	16.6
20	104	4.3	87	4.8	69	5.1	42	4.4	15.8
22	100	4.0	81	4.4	65	4.3	41	3.6	25.2
MEAN	127	5.7	98	5.4	78	5.4	48	4.2	20.8

DEC.22.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	85	3.8	73	4.8	60	4.7	38	4.1	19.2
2	118	5.8	98	5.1	75	5.3	46	4.4	21.6
4	117	4.3	74	5.8	55	6.3	35	4.8	21.6
6	91	6.8	71	6.9	55	6.7	34	4.9	16.1
8	111	4.3	61	7.4	50	6.7	30	4.3	18.9
10	85	7.4	68	6.3	55	6.3	33	4.5	11.7
12	99	7.2	69	6.8	52	6.3	33	4.5	13.9
14	101	8.2	69	6.9	53	5.9	32	3.8	10.3
16	87	7.5	72	6.9	56	6.1	35	4.1	11.4
18	89	4.8	75	6.1	57	6.0	33	3.9	7.7
20	116	5.6	84	6.4	63	6.3	38	4.8	12.4
22	98	4.6	72	4.5	54	5.0	34	4.3	12.6
MEAN	100	5.9	74	6.2	57	6.0	35	4.4	14.8

DEC.23.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	80	3.8	64	4.8	49	4.9	30	4.4	8.1
2	76	7.3	55	5.7	43	6.4	25	5.3	4.6
4	59	14.4	49	9.1	40	8.8	23	6.3	2.9
6	53	6.9	41	8.6	32	8.5	19	5.9	-0.5
8	53	12.8	41	9.6	28	7.4	15	4.2	1.8
10	54	9.7	42	8.1	33	8.0	21	5.6	3.9
12									
14	66	9.4	47	7.6	36	5.9	22	3.8	15.1
16	116	4.8	87	4.7	68	4.6	43	3.4	32.5
18	135	4.3	110	4.5	86	4.3	52	3.3	40.2
20	124	3.9	97	4.1	75	4.4	46	3.4	26.4
22	91	3.9	77	4.1	64	4.1	41	3.3	24.8
MEAN	82	7.4	65	6.4	50	6.1	31	4.4	14.5

DEC.24.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	104	5.8	81	3.9	63	3.9	40	3.2	23.4
2	91	3.6	75	4.9	56	4.9	34	3.7	19.7
4	87	4.3	69	5.8	55	5.9	33	4.2	17.2
6	102	4.5	87	6.4	67	6.9	40	4.9	12.9
8	125	8.8	94	7.3	72	7.2	41	4.9	10.9
10	131	4.1	99	5.6	73	7.3	43	5.4	9.3
12	151	11.2	114	6.4	89	6.6	54	5.7	12.0
14	215	9.4	129	6.9	92	6.9	51	5.6	9.6
16	187	4.1	122	7.4	85	7.5	50	6.3	6.2
18	277	2.9	131	4.8	91	7.1	54	6.1	10.1
20	175	6.4	146	6.0	110	6.3	61	5.3	9.2
22	156	5.9	140	8.8	111	7.1	65	5.6	15.7
MEAN	150	5.9	107	6.2	80	6.5	47	5.1	13.0

DEC.25.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	6.6	107	5.3	80	4.8	47	4.2	18.8
2	119	2.7	93	4.0	74	4.5	45	3.9	23.7
4	151	3.5	116	5.9	92	5.6	55	5.1	2.1
6	154	4.4	117	6.3	86	7.1	51	5.7	4.2
8	94	10.1	82	8.3	67	8.3	42	6.6	3.0
10	178	11.4	128	7.9	89	8.3	50	6.5	4.2
12	132	4.4	111	5.3	80	7.1	48	6.6	2.7
14	136	4.6	92	7.6	65	7.5	37	5.7	5.2
16	154	8.3	98	9.1	74	9.0	42	6.6	2.3
18	93	4.8	71	7.3	53	6.9	31	4.8	-12.6
20	70	10.3	62	8.4	49	8.7	28	5.4	-12.5
22	116	4.3	93	5.8	63	7.1	37	5.6	-1.0
MEAN	127	6.3	98	6.8	73	7.1	43	5.6	3.3

DEC.26.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	3.2	81	4.4	54	6.3	31	5.4	7.7
2	89	4.0	60	5.5	44	6.6	24	4.8	7.8
4	82	3.8	54	7.3	40	8.3	23	6.7	-0.8
6	57	10.4	46	10.6	37	9.1	21	6.6	-0.7
8	63	9.3	49	9.3	38	7.6	22	5.2	13.6
10									
12									
14									
16									
18	74	7.8	60	6.8	47	6.4	29	4.3	-10.1
20	73	10.5	59	7.3	46	6.3	28	4.3	-7.4
22	73	6.8	59	7.1	45	6.9	25	4.5	-2.1
MEAN	78	7.0	59	7.3	44	7.2	25	5.2	1.0

DEC.27.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	68	4.6	55	5.4	43	6.3	26	4.6	0.5
2	78	4.3	46	6.3	38	6.8	24	5.0	2.1
4	73	4.5	55	6.9	40	6.6	23	4.8	0.2
6	66	6.3	48	8.8	39	7.3	23	5.0	1.0
8	65	12.3	50	7.7	41	7.3	26	5.1	8.2
10	71	4.6	63	7.4	51	7.1	31	5.3	3.4
12	70	6.8	55	6.6	42	6.6	26	4.9	6.7
14	69	4.6	55	7.7	44	6.8	25	4.8	-0.8
16	73	10.8	56	8.0	43	7.4	25	4.9	-1.5
18	56	10.4	45	8.3	36	7.7	22	5.2	-1.1
20	75	9.9	57	9.5	42	8.3	24	5.6	0.2
22	66	9.1	53	8.0	40	8.3	22	5.4	0.6
MEAN	69	7.3	53	7.5	42	7.2	25	5.0	1.6

DEC.28.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	96	9.1	56	6.8	42	7.0	25	5.7	3.7
2	71	6.4	51	7.5	41	7.1	24	5.3	2.6
4	64	10.8	52	8.2	40	7.0	23	4.8	7.6
6	78	10.2	59	9.3	46	8.4	28	6.0	3.2
8	62	13.1	50	9.4	39	7.8	23	5.3	3.9
10	75	4.4	55	9.3	43	8.5	26	5.8	4.0
12									
14									
16									
18									
20									
22									
MEAN	74	9.0	54	8.4	42	7.6	25	5.5	4.2

DEC.29.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.30.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.31.1987

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20	127	12.6	101	4.6	78	4.3	48	4.1	2.4
22	129	5.8	100	4.6	82	4.6	53	3.9	24.4
MEAN	128	9.2	101	4.6	80	4.4	51	4.0	13.4

JAN. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	153	3.5	133	6.5	112	5.8	74	4.4	26.7
2	197	4.1	151	5.3	123	5.3	79	4.3	27.3
4	200	6.3	167	6.5	136	5.9	89	4.9	23.9
6	186	5.9	160	5.8	136	5.6	87	4.8	23.6
8	192	5.4	160	6.4	135	6.1	86	4.8	23.1
10	213	9.3	159	6.9	127	6.1	80	4.9	21.3
12	187	5.1	159	5.9	136	6.2	86	5.0	20.8
14	205	8.9	175	6.8	143	6.1	87	5.1	16.4
16	198	9.9	171	8.3	144	7.0	92	5.4	22.7
18	151	8.8	136	5.8	117	5.8	73	4.8	24.1
20	137	5.9	119	5.2	98	4.9	59	4.2	16.7
22	136	14.0	102	6.6	78	4.9	45	4.0	26.0
MEAN	180	7.3	149	6.3	124	5.8	78	4.7	22.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. TMEAM (SEC)	4.1988 THETA (DEG)
0	146	4.4	104	5.4	78	4.6	46	3.8	24.8
2	165	8.2	136	5.9	110	5.6	65	4.6	11.9
4	185	9.3	148	6.6	114	6.4	70	5.0	10.6
6	178	7.2	135	5.6	103	6.3	62	4.8	10.2
8	163	7.3	135	6.8	101	6.3	59	4.6	5.7
10	180	8.6	139	6.6	104	6.1	61	4.8	7.6
12	176	5.4	132	6.4	91	6.5	54	5.0	3.4
14	125	7.4	110	7.4	90	6.9	55	5.4	0.3
16	152	9.1	125	7.3	99	7.5	58	5.6	3.9
18	162	10.6	106	7.3	83	7.1	53	5.9	2.5
20	132	5.4	109	6.6	88	6.3	52	5.1	0.9
22	119	6.4	97	5.9	80	5.1	48	4.3	15.6
MEAN	157	7.4	123	6.5	95	6.2	57	4.9	8.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. TMEAM (SEC)	7.1988 THETA (DEG)
0	117	6.6	101	5.4	79	4.8	47	4.2	14.7
2	142	4.3	116	5.6	94	5.4	53	4.4	15.2
4	155	9.1	123	5.7	93	6.5	57	5.4	17.7
6	127	7.1	102	6.4	77	6.9	45	5.3	15.1
8	171	8.3	123	7.4	92	7.8	51	5.6	7.1
10	168	11.3	138	8.5	102	7.6	57	5.8	8.9
12	174	3.9	135	6.6	98	7.4	57	5.8	8.5
14	135	10.5	109	9.8	88	8.8	52	6.8	7.5
16	115	11.0	99	9.3	74	9.3	42	6.5	6.6
18	156	9.2	119	8.6	87	8.9	49	6.9	7.5
20	196	6.7	149	7.5	100	7.5	53	6.1	8.0
22	123	6.4	106	5.5	81	6.4	43	5.6	8.5
MEAN	148	7.9	118	7.2	89	7.3	51	5.7	10.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. TMEAM (SEC)	5.1988 THETA (DEG)
0	116	8.1	97	5.3	78	5.1	49	4.1	2.0
2	169	6.9	129	4.9	103	4.9	63	4.1	22.6
4	172	5.2	139	5.9	115	5.3	72	4.4	25.6
6	189	8.9	145	6.4	119	6.3	75	4.8	24.3
8	171	6.8	149	6.3	122	6.1	73	5.0	26.9
10									
12	195	5.7	143	6.4	110	5.9	68	4.7	22.1
14	179	5.6	140	6.1	111	6.1	69	5.1	24.4
16	176	4.4	139	5.6	109	5.1	68	4.1	30.8
18	151	8.0	138	6.8	117	5.9	73	4.5	26.5
20	151	5.1	119	5.5	99	5.8	63	4.5	24.1
22	131	5.9	103	5.8	85	5.4	54	4.0	25.0
MEAN	164	6.4	131	5.9	106	5.6	66	4.5	23.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. TMEAM (SEC)	8.1988 THETA (DEG)
0	114	10.2	93	7.3	74	6.1	46	5.3	-0.6
2	129	4.7	103	5.3	77	6.1	44	5.2	3.4
4	124	6.9	85	8.1	64	7.2	38	5.5	-5.0
6	98	11.0	90	8.9	76	8.1	50	6.4	-4.1
8	211	8.2	181	8.5	148	7.6	93	6.4	-6.9
10	190	10.3	165	9.5	138	8.1	84	6.1	-3.7
12	187	4.1	155	8.0	136	7.9	89	6.6	-2.7
14	194	7.3	158	8.7	132	8.3	78	6.3	-5.6
16	226	10.9	193	7.8	152	7.8	85	6.4	-0.3
18	259	10.3	220	9.9	179	8.3	104	7.0	0.7
20	197	7.8	164	8.6	130	8.0	72	5.8	-4.9
22	159	4.3	141	6.4	120	6.5	67	5.4	4.7
MEAN	174	8.0	146	8.1	119	7.5	71	6.0	-2.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. TMEAM (SEC)	6.1988 THETA (DEG)
0	127	6.9	101	6.0	84	5.6	52	4.0	19.6
2	166	9.6	129	7.6	105	6.5	64	4.6	27.8
4	188	6.0	151	6.4	123	6.3	73	5.0	25.0
6	167	7.6	138	6.3	110	6.1	67	4.8	19.5
8	207	8.8	151	6.3	114	6.1	71	4.8	16.9
10	160	8.8	137	6.4	105	5.9	65	4.6	25.2
12	177	7.2	140	6.3	108	5.8	66	4.9	17.8
14	191	4.4	157	6.2	118	7.0	71	5.7	12.7
16	185	6.5	125	7.6	96	7.7	58	6.1	16.3
18	163	9.4	138	6.6	105	7.1	58	5.1	13.8
20									
22	149	7.8	112	6.3	91	5.1	54	4.3	18.3
MEAN	171	7.5	134	6.5	105	6.3	64	4.9	19.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JAN. TMEAM (SEC)	9.1988 THETA (DEG)
0	141	7.0	118	8.5	102	7.3	62	5.6	3.7
2	157	4.3	127	6.1	104	5.8	59	5.3	0.8
4									
6									
8	200	4.6	176	4.8	133	6.6	73	6.8	2.7
10	188	4.5	134	5.7	88	6.1	47	5.1	4.7
12	182	4.6	139	5.8	91	7.1	48	5.6	3.3
14									
16									
18	107	6.0	92	6.8	74	5.9	45	4.1	35.4
20	119	4.6	85	5.9	66	5.4	41	3.8	36.0
22	166	6.1	128	5.7	104	5.8	64	4.7	30.7
MEAN	158	5.2	125	6.2	95	6.2	55	5.1	14.7

JAN.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	144	6.7	122	6.5	97	5.6	62	4.6	32.3
2	143	3.9	114	5.8	90	5.5	55	4.1	27.5
4	164	5.3	121	6.0	96	5.3	58	4.2	32.0
6	148	5.2	112	5.9	89	5.9	54	4.3	36.8
8	159	7.0	123	6.6	95	6.1	56	4.8	31.0
10									
12									
14	67	8.8	53	6.6	44	6.9	27	5.0	19.7
16	67	7.1	50	7.3	38	5.9	23	3.8	11.3
18	67	4.0	54	6.6	41	5.7	26	3.8	41.9
20	59	4.8	52	5.0	41	5.0	27	3.8	39.1
22	73	6.3	50	5.8	40	5.4	26	3.9	32.5
MEAN	109	5.9	85	6.2	67	5.7	41	4.2	30.4

JAN.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	62	4.1	49	6.3	38	6.2	24	4.4	32.0
2	57	10.3	44	5.6	36	6.2	24	4.9	26.0
4	46	9.5	36	8.0	28	7.0	17	4.9	23.3
6	45	8.5	36	8.8	28	7.6	17	4.7	21.9
8	41	10.1	35	9.1	28	7.9	17	5.2	23.3
10	48	8.8	36	10.9	29	9.3	16	5.7	15.7
12	45	15.2	38	10.7	30	11.7	19	7.8	11.1
14	41	12.3	34	11.0	24	8.8	13	5.8	14.1
16	48	12.8	39	9.8	30	9.3	17	5.9	17.9
18	49	8.5	41	10.4	32	9.7	18	6.1	18.0
20	87	6.7	47	11.8	32	10.8	18	6.8	17.0
22	50	11.4	37	12.0	30	9.9	17	6.6	11.4
MEAN	52	9.8	39	9.5	30	8.7	18	5.7	19.3

JAN.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	53	12.1	41	11.2	31	9.4	19	6.3	14.8
2	45	10.8	42	9.9	32	9.0	19	6.1	15.4
4	47	11.8	39	8.7	31	9.0	19	6.2	16.1
6	51	12.4	47	7.8	40	7.8	25	5.8	23.5
8	83	6.4	68	7.4	54	6.8	32	5.1	26.7
10	95	4.6	80	6.8	59	7.1	36	5.6	23.1
12	139	6.2	102	6.5	75	7.3	44	5.6	24.6
14	99	5.5	79	5.9	65	6.8	41	5.7	22.4
16	119	5.9	95	5.1	68	5.3	40	4.8	22.2
18	113	7.3	88	8.3	65	7.0	37	5.0	20.1
20	125	6.1	81	7.6	60	7.4	36	5.6	19.6
22	97	8.8	74	6.9	60	7.1	35	5.6	19.0
MEAN	89	8.2	70	7.7	53	7.5	32	5.6	20.6

JAN.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	103	11.8	80	8.4	62	7.9	36	5.9	14.8
2	110	5.0	86	6.0	65	7.0	39	6.1	16.1
4	92	9.3	73	7.7	59	7.6	34	5.4	14.6
6	82	8.4	71	8.7	54	7.8	32	5.9	16.6
8	88	9.3	72	8.3	54	8.3	32	5.7	11.1
10	87	13.1	70	7.9	53	8.5	31	5.8	8.0
12	89	3.3	71	6.6	57	6.8	35	4.8	18.2
14	95	6.9	70	5.8	55	6.0	36	4.5	15.1
16	119	3.0	79	4.6	57	6.1	34	4.6	14.3
18	93	3.6	80	6.4	61	7.4	36	5.5	13.0
20	110	3.8	88	5.0	63	6.3	37	5.4	12.0
22	141	3.4	80	6.3	58	7.5	35	5.9	11.8
MEAN	101	6.7	77	6.8	58	7.3	35	5.5	13.8

JAN.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	4.3	70	8.0	53	7.9	34	5.8	9.4
2	98	7.4	70	6.9	51	6.8	31	5.3	12.2
4	97	8.4	76	7.3	58	7.1	36	5.8	8.0
6	99	4.1	79	8.8	57	8.0	34	5.9	9.7
8	99	8.1	76	7.7	57	7.8	34	5.4	7.3
10									
12									
14									
16									
18	79	3.4	64	7.6	50	7.9	30	6.3	2.3
20	110	7.5	76	6.3	55	7.0	31	5.5	7.9
22	84	10.4	58	8.0	45	7.9	26	5.9	3.7
MEAN	95	6.7	71	7.6	53	7.5	32	5.7	7.6

JAN.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	88	3.8	66	7.6	53	7.9	32	5.9	-3.3
2	88	11.5	65	9.3	50	8.1	29	5.6	-8.3
4	78	7.3	62	8.1	47	8.0	28	5.3	-7.7
6	80	10.1	62	7.3	47	7.7	27	5.1	-5.2
8	69	4.3	59	9.7	47	8.1	28	5.6	0.1
10	88	7.6	74	9.6	55	9.6	32	6.6	1.4
12	80	10.4	64	10.3	49	9.1	28	6.1	-2.6
14	54	7.5	46	9.0	37	8.4	22	5.8	-4.6
16	88	11.0	65	9.0	46	8.9	28	6.6	3.8
18	83	3.6	50	8.3	36	8.1	20	5.6	2.5
20									
22	91	3.5	59	6.0	42	5.2	25	3.6	22.9
MEAN	81	7.3	61	8.6	46	8.1	27	5.6	-0.1

JAN.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	127	5.6	99	5.5	78	5.3	49	4.2	29.1
2	101	3.6	81	5.3	66	5.6	41	4.3	24.0
4	128	5.3	112	6.3	92	5.5	56	4.5	24.2
6	140	4.3	116	6.1	93	6.2	56	4.8	22.4
8	151	5.8	123	5.9	98	6.0	61	4.8	23.3
10	169	5.9	132	5.9	101	5.8	63	4.4	24.0
12	178	4.3	144	5.5	109	5.9	68	4.9	22.2
14									
16									
18	150	2.6	129	7.0	108	6.0	67	4.9	21.2
20	169	6.8	122	6.3	98	5.6	58	4.8	20.6
22	146	6.9	113	5.9	88	5.1	53	4.1	25.0
MEAN	146	5.1	117	6.0	93	5.7	57	4.6	23.6

JAN.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	4.5	119	4.7	96	5.1	60	4.2	27.9
2	183	7.1	127	5.8	92	5.4	55	4.5	21.8
4	145	7.1	108	6.6	87	5.9	54	4.7	25.5
6	167	5.7	127	7.3	100	6.8	62	5.3	24.3
8	189	6.5	165	5.8	138	6.1	85	5.3	25.8
10	185	7.4	130	5.8	100	5.9	65	5.0	30.1
12	134	4.1	110	6.8	91	6.9	57	5.3	24.9
14									
16	824	7.8	213	7.0	108	6.8	57	5.4	24.0
18	143	5.8	112	5.6	84	5.9	51	5.3	19.2
20	123	3.1	99	4.4	75	4.7	43	4.2	17.9
22	119	4.5	94	4.8	72	5.0	43	4.1	23.6
MEAN	215	5.8	128	5.9	95	5.9	57	4.8	24.1

JAN.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	128	8.3	88	5.9	70	5.8	44	5.1	16.4
2	88	9.6	71	7.1	58	7.3	38	5.8	15.1
4	84	9.9	73	7.8	63	7.5	37	5.8	11.2
6	81	9.1	66	8.7	52	7.9	31	5.7	8.1
8	81	9.5	64	8.8	51	8.0	29	5.6	4.3
10	76	8.9	59	8.3	46	9.3	26	6.1	8.0
12	75	9.3	57	7.7	41	5.8	25	3.5	-4.9
14	86	3.9	68	4.9	55	4.3	35	3.3	41.8
16	122	7.8	96	5.3	74	5.3	46	3.8	35.3
18	283	7.3	151	6.6	118	5.9	72	4.8	33.5
20	123	5.8	100	5.9	82	5.4	50	4.2	38.1
22									
MEAN	112	8.1	81	7.0	65	6.6	39	4.9	18.8

JAN.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	98	7.6	82	6.8	67	6.5	42	5.5	27.1
4	127	6.6	110	6.5	86	6.7	54	5.6	29.8
6									
8									
10	198	10.4	129	6.6	93	6.1	53	4.6	28.8
12	151	8.3	138	6.8	106	6.3	62	5.2	27.6
14	129	6.0	108	7.8	81	6.8	47	5.1	28.4
16	165	6.4	108	7.2	84	7.1	51	5.6	28.0
18									
20	130	4.3	106	6.0	81	6.6	48	5.3	18.9
22	120	9.7	94	6.9	76	6.0	44	4.7	28.2
MEAN	140	7.4	109	6.8	84	6.5	50	5.2	27.1

JAN.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	112	10.9	96	6.4	72	5.8	41	4.7	21.8
2	112	9.1	83	6.3	62	6.4	37	5.2	13.8
4	129	9.0	109	7.8	81	8.4	47	6.3	14.4
6									
8	150	8.3	97	8.0	75	7.8	42	5.6	10.4
10	134	8.8	92	8.3	68	7.3	37	5.1	14.8
12	122	7.9	89	7.8	69	7.4	43	5.9	13.1
14	131	8.8	98	8.0	73	7.6	42	5.6	8.0
16	103	7.8	83	8.3	67	7.9	41	6.1	8.6
18	89	8.1	74	8.0	62	7.8	37	5.9	8.8
20									
22	98	9.3	85	6.0	69	6.0	41	4.8	14.6
MEAN	118	8.8	91	7.5	70	7.2	41	5.5	12.8

JAN.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	96	8.4	79	5.7	62	5.3	35	4.4	12.6
2	106	3.8	80	6.5	62	7.2	36	5.1	10.4
4	86	8.3	71	7.6	58	7.2	35	5.6	4.7
6	110	9.1	96	7.3	76	7.4	42	5.9	1.1
8	116	8.4	93	7.8	73	7.3	44	5.7	2.0
10	116	7.5	94	7.1	71	7.5	41	5.7	4.6
12	157	9.1	101	7.6	75	7.4	46	6.3	3.4
14	90	8.9	76	8.1	63	7.6	39	6.2	4.1
16	109	8.1	85	8.0	61	7.4	35	5.4	1.7
18	114	9.1	90	8.1	69	7.1	39	4.7	0.0
20	119	4.5	90	5.6	69	5.5	43	4.0	-7.4
22	125	6.0	106	5.5	85	5.1	53	4.1	-5.1
MEAN	112	7.6	88	7.1	69	6.8	41	5.3	2.7

JAN.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	139	3.8	100	4.9	78	5.3	48	4.4	1.1
2	134	10.8	91	6.4	72	6.1	44	5.0	-1.8
4	139	7.3	112	6.4	87	6.6	50	5.6	-3.0
6	157	7.3	123	7.4	97	7.3	61	6.2	-1.1
8	178	6.0	131	7.3	104	7.1	67	6.4	2.1
10	206	7.8	158	7.8	123	7.1	74	6.0	2.6
12	188	7.8	144	7.1	111	7.4	64	5.9	0.7
14	165	6.9	129	7.9	100	7.4	57	5.6	-2.5
16	135	8.2	110	8.0	87	7.6	53	5.7	0.4
18	113	7.6	92	7.1	74	7.0	44	4.9	-5.0
20	114	7.6	88	6.9	70	6.1	43	4.4	7.8
22	118	5.9	94	7.0	71	6.3	43	4.8	8.1
MEAN	149	7.2	114	7.0	90	6.8	54	5.4	0.8

JAN.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	118	3.3	85	5.4	65	6.2	38	4.6	10.6
2	138	5.8	117	7.5	88	6.9	50	5.8	6.7
4	244	6.2	211	9.5	160	8.3	82	6.7	5.6
6	219	10.8	187	9.2	148	8.8	83	6.9	0.3
8	256	9.7	199	9.5	137	8.4	75	6.7	-1.6
10									
12									
14									
16									
18	240	13.5	191	9.4	133	8.0	76	5.8	12.7
20	239	10.1	168	7.6	125	7.4	72	5.5	12.8
22	214	11.5	188	10.0	155	8.8	90	6.8	12.9
MEAN	209	8.9	168	8.5	126	7.8	71	6.1	7.5

JAN.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	209	10.1	159	7.3	135	7.1	79	5.8	10.9
2	175	7.9	148	7.8	117	6.8	71	5.8	19.8
4	186	4.4	148	7.9	114	7.1	61	5.6	15.4
6	197	3.9	154	7.6	122	8.3	75	7.1	18.0
8									
10									
12	157	3.4	118	9.1	86	9.0	48	7.1	12.7
14	160	10.8	126	9.1	93	9.4	53	7.6	16.7
16	132	11.3	93	11.3	75	10.8	45	8.4	15.5
18	111	9.4	87	8.3	73	8.9	44	7.3	11.4
20	90	9.3	78	10.3	64	9.5	40	7.3	15.9
22	159	12.5	110	8.4	76	8.6	42	6.7	15.0
MEAN	158	8.3	122	8.7	96	8.5	56	6.9	15.1

JAN.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	11.4	79	9.8	58	9.1	33	7.1	13.8
2	126	11.6	97	8.5	63	8.8	34	6.6	16.6
4	113	6.9	76	8.1	56	8.6	30	5.8	12.6
6	105	13.9	92	10.8	64	11.4	32	7.4	11.4
8	121	12.3	93	12.6	61	11.0	36	8.6	9.4
10	98	11.5	72	11.9	53	11.5	27	6.9	8.9
12	136	3.8	72	8.8	49	8.3	25	5.5	6.8
14	138	3.1	94	7.3	61	9.0	32	6.3	5.5
16	97	8.2	76	6.8	55	7.6	30	5.5	4.7
18	112	7.1	93	7.3	63	7.7	35	5.9	5.6
20	128	12.3	88	9.5	67	9.3	38	7.1	5.9
22	119	13.2	86	11.0	63	10.0	35	7.1	10.9
MEAN	117	9.6	85	9.4	59	9.4	32	6.6	9.3

JAN.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	11.9	69	9.2	49	9.4	26	5.8	5.3
2	99	3.6	73	7.6	53	8.8	29	6.1	9.2
4	110	11.3	73	10.0	50	8.4	28	5.3	8.3
6	90	12.1	66	11.3	45	10.8	23	6.6	11.0
8	93	9.9	71	10.8	54	10.6	31	7.3	11.7
10	63	10.4	55	11.3	43	11.3	24	7.3	9.2
12	82	11.4	54	9.3	36	9.5	19	6.4	9.8
14	76	11.8	60	7.2	44	8.9	24	6.4	13.2
16	90	7.1	57	4.8	45	4.1	29	3.0	19.6
18	104	7.4	85	6.2	67	5.8	41	4.1	23.7
20	126	4.3	110	5.3	84	6.2	52	4.8	24.7
22	95	4.5	84	5.5	67	5.9	43	5.1	23.2
MEAN	95	8.8	71	8.2	53	8.3	31	5.7	14.1

JAN.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	89	6.8	75	6.8	60	6.3	37	4.8	21.2
2	96	5.5	79	7.6	64	6.9	38	4.7	24.9
4	92	9.0	72	7.4	59	6.1	37	4.6	21.0
6	98	7.4	76	8.0	61	7.1	36	4.8	20.7
8	125	7.0	90	6.6	71	6.3	44	4.6	26.5
10									
12	155	5.8	122	6.3	88	5.9	54	4.7	23.2
14	146	7.4	109	6.3	83	6.1	49	4.4	23.3
16	144	9.8	110	5.6	85	5.4	50	4.3	18.3
18	137	9.0	107	6.8	80	6.6	47	4.8	16.5
20	125	4.0	79	6.0	62	5.9	39	4.6	16.2
22	111	3.8	82	6.2	63	6.5	38	5.1	17.6
MEAN	120	6.9	91	6.7	71	6.3	43	4.7	20.9

JAN.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	113	7.9	69	8.2	50	7.1	28	5.0	13.1
2	74	8.5	61	8.5	50	8.0	29	5.6	15.0
4	88	7.6	70	7.3	53	6.8	33	5.3	24.7
6	65	9.8	57	9.1	47	8.0	31	6.3	17.6
8	58	9.6	50	9.3	39	7.9	23	5.6	6.2
10	62	10.6	49	8.3	39	8.4	22	5.1	-0.9
12	51	9.4	42	8.3	32	7.1	18	4.3	-4.2
14	72	10.1	47	7.6	34	6.4	20	4.0	0.1
16	87	4.8	57	5.6	44	5.3	27	3.7	23.0
18	69	4.8	54	5.4	41	4.8	26	3.6	26.4
20	79	5.3	62	5.6	48	5.5	30	4.1	24.2
22	87	5.6	69	5.9	57	5.8	35	4.7	24.3
MEAN	75	7.8	57	7.4	45	6.8	27	4.8	14.1

JAN.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	7.5	75	6.8	59	6.3	36	4.8	23.5
2	90	6.1	70	6.6	54	6.3	34	5.1	23.1
4	68	7.7	61	7.2	49	6.3	30	4.9	21.8
6	69	6.8	59	7.4	45	6.9	27	5.3	17.5
8	61	8.3	50	7.8	40	7.1	25	5.4	13.8
10	63	8.7	50	8.7	38	8.8	23	6.3	10.1
12	55	7.4	43	9.3	33	8.9	18	5.3	4.3
14	62	6.8	47	7.0	37	6.4	24	5.2	-9.7
16	77	4.1	61	6.1	51	5.7	31	4.6	-11.2
18	53	3.9	44	5.8	35	5.8	23	4.3	-9.6
20	50	6.6	38	6.8	30	6.1	19	4.4	-5.5
22	54	8.6	39	6.9	30	5.9	17	3.6	0.1
MEAN	68	6.9	53	7.2	42	6.7	26	4.9	6.5

JAN.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	75	3.6	55	5.1	43	4.3	27	3.1	41.1
2	121	4.2	94	5.3	76	5.2	46	3.8	37.5
4	114	5.5	93	4.9	76	5.3	48	4.1	37.6
6									
8	162	7.2	130	6.9	102	6.8	64	5.5	27.0
10	163	5.1	120	6.0	92	6.1	54	4.3	31.5
12									
14									
16									
18	121	4.4	101	4.9	76	5.2	44	3.8	26.5
20	139	5.5	108	5.8	83	5.5	48	3.9	29.5
22	135	9.5	108	6.1	85	5.5	51	4.3	19.3
MEAN	129	5.6	101	5.6	79	5.5	48	4.1	31.2

JAN.31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	4.9	127	6.3	94	6.3	54	4.3	15.9
2	167	5.5	126	6.9	93	6.8	55	5.1	17.1
4	139	9.5	109	7.3	84	7.5	50	5.6	17.2
6	156	9.8	125	8.5	98	8.3	58	6.3	16.6
8	136	9.3	116	8.1	86	7.3	48	4.9	15.2
10	168	3.6	122	5.3	94	4.9	60	4.0	30.3
12	183	5.0	155	5.4	122	5.3	76	4.2	33.4
14									
16									
18									
20									
22									
MEAN	159	6.8	126	6.8	96	6.6	57	4.9	20.8

FEB. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	155	5.8	130	5.9	101	5.6	62	4.3	27.8
2	162	8.3	119	5.8	89	5.8	53	4.3	26.7
4	148	5.9	127	5.9	97	5.6	57	4.4	24.9
6	164	7.3	124	5.6	98	5.7	60	4.4	29.2
8	187	6.3	139	5.7	101	5.6	62	4.4	23.4
10	156	7.2	132	6.3	105	6.0	63	4.6	26.9
12	185	8.0	151	6.7	119	6.1	72	5.0	26.5
14	174	7.8	137	6.5	105	6.3	63	4.8	24.7
16	163	5.6	130	5.7	101	6.0	61	4.4	20.6
18									
20	142	4.9	122	6.6	102	5.8	64	4.3	28.3
22	134	9.1	109	5.9	91	5.6	58	4.4	27.8
MEAN	161	6.9	129	6.1	101	5.8	61	4.5	26.1

FEB. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	7.7	112	5.6	88	5.6	56	4.3	21.6
2	122	8.3	99	6.2	77	5.9	47	4.4	20.9
4	145	7.8	100	7.4	78	7.5	47	5.3	14.2
6	108	6.8	92	7.5	76	7.5	48	5.7	8.8
8									
10	101	6.1	85	7.6	68	7.3	43	5.6	5.3
12	87	11.3	75	8.6	57	7.3	34	5.2	4.8
14	90	8.8	72	9.3	55	8.9	33	6.3	0.1
16	114	7.0	74	8.4	58	7.2	33	4.8	-5.8
18									
20									
22									
MEAN	112	8.0	89	7.6	70	7.1	43	5.2	8.7

FEB. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 4.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 5.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 6.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	198	6.3	151	6.5	117	6.3	74	4.6	24.9
20	215	8.3	154	5.8	118	6.1	70	4.6	23.2
22	172	9.8	132	6.4	103	6.3	61	4.4	24.8
MEAN	195	8.1	146	6.2	113	6.2	68	4.5	24.3

FEB. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	171	4.9	142	5.6	110	5.7	66	4.7	20.6
2	157	7.4	132	7.3	106	6.3	66	5.1	19.7
4									
6	110	12.3	93	7.9	75	7.9	47	6.2	17.1
8	119	8.1	96	10.9	75	10.1	41	6.4	18.8
10	150	11.3	113	7.8	83	7.4	46	4.8	22.6
12	194	4.6	145	5.9	113	7.0	68	5.6	25.8
14	266	5.6	167	7.9	129	6.9	79	5.4	26.8
16	236	10.8	192	8.0	146	6.9	84	5.2	30.0
18	241	7.7	204	8.3	165	7.6	94	5.8	25.8
20									
22	185	9.8	159	8.4	125	7.4	74	5.9	31.2
MEAN	183	8.2	144	7.8	113	7.3	67	5.5	23.8

FEB.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	7.4	134	4.8	105	4.7	68	4.0	35.7
2	151	8.5	124	5.6	100	5.1	64	4.0	32.7
4	158	4.8	131	5.4	107	5.1	69	4.1	36.9
6	147	6.8	113	6.1	89	5.5	54	3.9	34.6
8	138	3.6	109	6.4	90	5.7	58	4.3	30.2
10									
12									
14									
16									
18	162	8.2	117	6.5	91	6.1	55	4.3	38.2
20	135	6.4	111	5.4	88	5.4	55	4.0	37.3
22	138	4.5	111	5.4	88	5.5	54	4.0	33.5
MEAN	151	6.3	119	5.7	95	5.4	60	4.1	34.9

FEB. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	10.4	126	9.1	93	8.1	54	6.1	23.2
2	130	9.0	105	9.3	78	8.0	44	6.3	19.5
4	113	8.1	87	9.8	65	9.3	38	7.3	21.3
6	91	9.8	80	10.0	61	9.5	35	6.4	19.0
8	94	9.3	74	10.3	58	10.7	37	7.6	17.1
10	104	11.3	83	7.9	65	9.9	37	6.9	17.0
12	223	14.0	135	11.2	86	8.8	45	6.8	14.1
14	118	13.9	89	10.5	63	9.8	33	6.1	16.8
16	181	5.1	128	7.5	84	6.6	46	4.8	19.9
18	179	4.9	124	6.5	84	6.2	49	4.4	26.4
20	171	10.0	124	7.4	91	6.8	56	5.1	30.5
22	175	2.7	118	7.1	83	7.6	46	5.3	22.2
MEAN	146	9.0	106	8.9	76	8.4	43	6.1	20.6

FEB.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	137	4.2	110	4.9	87	5.1	55	4.0	38.3
2	93	4.1	77	4.5	63	4.7	41	3.4	34.4
4	134	7.4	93	5.8	73	5.3	46	4.3	32.0
6	101	4.1	76	5.9	63	6.1	41	4.4	31.7
8	113	6.3	86	6.3	65	5.8	42	4.6	32.4
10	88	6.9	77	5.8	64	5.8	40	4.2	31.7
12	99	4.8	82	6.4	65	5.9	39	4.3	32.8
14	109	3.4	79	6.9	64	7.1	38	5.3	26.0
16	127	4.6	93	6.6	71	7.0	41	5.1	21.9
18	134	8.3	88	7.6	66	6.8	39	4.5	26.3
20	128	6.8	88	6.9	67	6.3	41	4.4	30.5
22	134	6.4	102	6.9	79	6.8	47	4.8	29.8
MEAN	116	5.6	88	6.2	69	6.1	43	4.4	30.6

FEB. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	227	14.0	172	10.7	118	7.9	61	6.4	17.6
2	208	9.4	170	8.8	125	9.5	65	7.0	20.1
4	209	8.5	164	9.5	109	8.8	63	7.0	17.5
6	147	10.9	128	11.5	100	10.0	59	7.1	20.1
8	133	14.9	102	10.1	83	9.2	49	6.1	24.4
10	172	10.7	101	9.7	76	8.4	45	6.3	22.8
12	136	4.6	103	6.5	74	7.3	41	5.3	20.5
14	157	7.6	112	5.3	78	6.4	44	5.1	22.4
16	188	11.5	106	8.8	75	7.7	42	5.3	14.0
18	133	10.9	97	9.8	72	8.8	40	5.4	15.5
20	110	7.4	83	5.3	66	4.8	42	3.5	51.6
22	157	4.3	123	4.6	95	4.5	60	3.6	39.8
MEAN	165	9.6	122	8.4	89	7.8	51	5.7	23.9

FEB.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	5.0	94	7.1	75	6.4	47	4.6	29.2
2	177	8.1	122	7.1	92	6.5	57	5.1	26.0
4	126	8.6	106	7.6	84	6.8	48	4.6	23.2
6	120	6.1	96	6.5	72	5.3	43	3.6	30.7
8									
10	168	5.6	102	5.9	79	5.1	50	3.9	30.1
12	154	6.2	115	6.1	89	5.6	55	4.3	28.1
14	137	6.3	107	5.5	87	5.6	53	4.1	26.7
16	160	3.7	123	5.6	95	5.5	60	4.8	21.0
18	148	4.3	106	6.1	79	5.8	49	4.5	20.4
20	137	6.4	100	6.1	74	5.9	46	4.8	15.8
22	110	3.9	93	6.9	71	7.3	44	5.5	15.0
MEAN	142	5.8	106	6.4	82	6.0	50	4.5	24.2

FEB.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	132	11.1	96	8.8	74	8.5	44	5.8	14.2
2	141	13.0	95	9.1	74	8.3	42	5.7	13.7
4	84	8.4	71	10.6	60	9.2	39	6.6	18.9
6	84	7.0	71	7.8	57	6.6	36	4.5	38.3
8	108	9.5	72	7.6	56	6.4	35	4.4	37.6
10									
12									
14									
16									
18	92	7.1	76	7.1	59	6.6	36	5.1	27.7
20	104	4.3	85	6.5	65	6.1	39	3.9	32.9
22	113	4.4	84	5.3	66	5.2	41	3.9	34.0
MEAN	107	8.1	81	7.8	64	7.1	39	5.0	27.2

FEB.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	78	7.8	63	7.2	53	6.1	35	4.4	34.5
2	87	7.5	75	6.9	59	6.4	37	4.8	31.5
4	137	3.9	101	7.2	79	6.9	51	5.5	30.4
6	143	5.3	112	6.3	92	6.5	58	5.4	29.7
8	108	8.1	84	7.1	66	6.4	40	4.8	28.6
10	103	6.9	85	6.5	64	6.1	38	4.1	30.6
12	104	7.5	74	7.4	61	6.6	38	4.8	32.6
14	75	10.9	65	8.0	53	8.1	35	6.1	26.0
16	76	10.2	60	8.6	47	7.3	29	5.2	24.7
18	135	8.3	85	5.5	64	5.1	39	3.4	23.5
20	113	4.1	93	4.5	74	5.0	46	3.9	33.2
22	131	4.8	108	5.0	86	5.5	52	4.2	34.1
MEAN	108	7.1	84	6.7	67	6.3	42	4.7	29.9

FEB.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	5.4	113	5.8	86	5.4	52	4.2	38.4
2									
4	153	5.3	116	6.3	96	6.8	61	5.1	30.8
6	150	6.3	112	7.3	90	6.7	56	5.1	30.2
8	159	9.9	120	7.4	95	7.3	62	5.8	26.0
10	195	6.1	157	7.3	126	7.0	78	5.9	29.8
12	170	7.8	140	7.1	113	6.8	70	5.5	29.6
14	312	6.6	135	7.2	100	6.9	59	4.8	26.0
16	194	7.1	126	6.9	96	6.8	58	4.8	27.1
18	161	8.3	130	6.6	102	5.8	63	4.8	30.6
20	163	3.6	113	5.9	92	5.2	59	4.3	35.4
22	141	9.8	102	7.3	79	5.9	46	4.3	27.9
MEAN	177	6.9	124	6.8	98	6.4	60	5.0	30.2

FEB.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	126	4.8	94	6.5	71	6.7	44	5.1	27.4
2	129	5.3	90	7.3	74	7.4	47	5.6	26.0
4	173	8.3	104	8.5	81	8.3	52	6.1	20.7
6	111	7.2	78	8.3	62	7.6	39	5.6	22.6
8	103	11.4	93	7.9	73	7.8	46	5.6	21.7
10	166	7.8	114	6.2	87	6.2	52	4.2	39.0
12	108	4.4	89	5.9	69	5.8	42	4.0	44.5
14	111	4.9	90	6.0	70	5.5	43	3.8	50.1
16	129	7.5	103	6.4	81	5.8	51	4.1	46.8
18	137	8.9	102	6.0	74	5.7	43	4.1	33.6
20	136	4.8	105	5.9	75	5.3	45	3.9	34.1
22	129	6.0	101	5.8	73	5.3	43	4.1	31.3
MEAN	130	6.8	97	6.7	74	6.4	46	4.7	33.1

FEB.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	141	4.0	89	6.4	69	6.0	44	4.5	34.4
2	93	4.8	79	5.8	62	6.0	40	4.4	36.6
4	104	7.8	81	5.9	66	5.8	40	4.1	35.7
6	108	7.4	88	5.9	68	5.3	42	3.7	38.0
8	175	5.1	115	6.5	86	5.5	52	3.9	32.3
10									
12	127	8.3	98	8.0	80	6.8	49	4.6	32.9
14	132	9.8	108	7.7	84	7.1	54	5.4	28.3
16	141	7.1	112	7.8	81	6.8	48	4.6	20.3
18	123	7.9	100	7.1	81	6.9	52	5.1	25.9
20	174	4.1	133	6.6	104	6.1	64	5.1	19.3
22	140	5.8	122	6.4	98	5.8	59	4.4	24.4
MEAN	133	6.6	102	6.7	80	6.2	49	4.5	29.8

FEB.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	153	4.0	126	6.3	104	6.0	63	4.6	25.7
2	138	8.5	113	6.5	91	6.6	55	4.8	26.5
4	126	6.6	104	6.1	82	6.4	51	4.7	27.9
6	165	5.1	140	7.1	107	6.9	64	4.9	30.0
8	186	5.8	138	7.3	108	6.6	67	5.0	25.7
10	194	8.3	156	7.4	123	7.0	75	5.4	22.2
12	186	5.9	136	7.0	107	6.9	65	4.9	23.1
14	214	8.9	130	7.3	102	6.9	62	5.2	19.8
16	129	8.9	114	7.8	97	7.0	62	5.4	22.9
18	157	5.0	127	8.1	99	7.4	59	5.4	20.1
20	166	8.9	140	7.9	107	7.4	63	5.9	21.8
22	175	10.3	140	7.9	106	6.9	61	5.3	24.4
MEAN	166	7.2	130	7.2	103	6.8	62	5.1	24.2

FEB.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	159	5.3	114	5.5	87	5.5	52	4.2	28.4
2	148	10.6	110	6.6	83	6.4	48	4.5	28.5
4	113	7.1	94	6.6	75	6.8	48	5.1	30.9
6	107	7.9	81	8.3	61	7.3	36	5.3	23.0
8									
10	78	8.6	67	8.9	53	7.9	32	5.4	21.6
12	68	11.6	56	8.3	45	7.4	27	5.0	18.9
14	84	10.7	59	9.0	45	8.3	25	4.9	16.5
16	100	10.3	67	7.6	50	7.2	29	4.6	26.3
18	81	10.5	65	7.9	49	5.8	30	3.9	51.0
20	93	4.5	76	7.6	61	7.0	37	4.9	31.0
22	104	8.8	81	6.8	63	6.8	37	5.1	27.2
MEAN	103	8.7	79	7.6	61	6.9	36	4.8	27.6

FEB.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	100	11.6	83	9.3	66	7.9	39	5.8	23.3
2	89	7.8	81	8.4	66	8.8	42	6.8	19.9
4	106	12.4	80	10.6	61	10.4	34	6.8	14.1
6	126	11.1	96	11.1	71	10.4	39	7.5	12.1
8	89	11.0	72	11.0	57	10.3	32	7.3	10.4
10	130	11.7	104	12.3	79	10.8	41	7.9	14.1
12	141	10.8	104	11.0	73	9.3	39	7.0	10.2
14									
16									
18	183	5.9	128	5.6	101	5.4	62	4.1	34.0
20	167	5.1	126	5.6	98	5.8	62	4.5	32.7
22	166	5.1	135	5.8	106	6.6	66	5.3	26.8
MEAN	130	9.2	101	9.1	78	8.6	46	6.3	19.8

FEB.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	161	5.1	121	5.8	93	6.1	56	4.6	26.7
2	134	5.3	115	4.7	93	5.7	59	4.8	32.0
4	131	4.3	112	7.1	89	6.3	55	4.8	28.6
6	158	4.5	111	6.0	87	6.7	54	5.3	29.8
8	216	3.7	173	5.8	130	5.8	81	4.6	32.4
10	183	3.9	135	5.9	105	6.1	65	4.8	28.0
12	208	12.1	148	6.4	100	5.7	58	4.8	23.9
14	182	5.1	138	6.6	107	5.9	66	5.0	26.2
16	175	7.5	145	6.0	110	5.8	68	4.4	29.8
18	220	9.4	187	6.8	154	6.1	99	5.1	30.2
20	246	9.5	185	7.2	161	6.4	109	5.3	30.4
22	187	8.0	163	6.6	135	6.3	88	5.1	25.5
MEAN	183	6.5	144	6.2	114	6.1	72	4.9	28.6

FEB.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	5.9	166	8.3	136	7.0	84	5.5	24.9
2	305	7.1	178	6.8	140	6.9	86	5.7	23.9
4	227	5.6	190	8.8	150	8.1	87	6.1	25.0
6	198	10.8	151	7.4	112	6.6	71	5.3	24.4
8	245	6.6	190	7.8	142	7.3	82	5.3	21.8
10									
12									
14									
16									
18									
20									
22									
MEAN	235	7.2	175	7.8	136	7.2	82	5.6	24.0

FEB.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22	234	14.9	195	11.9	157	10.1	97	7.6	22.0
MEAN	234	14.9	195	11.9	157	10.1	97	7.6	22.0

FEB.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	252	16.2	206	12.1	164	10.0	100	7.1	22.1
2	213	5.1	197	11.9	165	10.0	96	7.5	23.0
4	289	10.5	213	11.9	170	11.0	94	7.2	18.9
6	253	16.2	226	13.1	184	10.3	106	7.3	19.1
8	231	17.2	190	12.6	164	11.2	103	8.0	25.4
10	245	10.3	210	12.0	183	12.2	110	8.3	22.1
12	202	12.1	182	10.6	153	9.6	96	6.8	15.7
14	172	15.5	161	15.0	136	11.3	82	7.7	9.6
16	170	16.9	155	14.6	131	12.8	80	8.5	12.6
18	200	14.5	164	13.1	133	11.3	80	7.4	11.8
20	208	12.0	172	10.6	142	8.8	87	6.4	14.6
22	246	9.9	196	10.8	159	10.3	99	7.6	21.2
MEAN	223	13.0	189	12.4	157	10.7	94	7.5	18.0

FEB.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	14.5	185	13.0	160	11.0	96	7.5	24.3
2	219	5.3	185	9.0	150	7.9	85	6.3	15.6
4	218	14.8	197	12.2	162	9.3	87	6.5	14.9
6	225	11.6	170	6.2	133	6.8	77	5.6	20.1
8	236	9.2	195	10.1	159	7.9	93	6.0	20.0
10	324	5.6	194	7.6	152	7.1	90	5.8	24.8
12	222	13.1	170	10.3	137	8.1	84	6.1	21.0
14	187	9.9	164	8.6	134	6.8	80	5.8	22.6
16	185	9.1	151	10.8	127	8.1	77	5.9	27.4
18	166	9.3	145	11.4	122	9.3	76	6.3	23.1
20	196	13.2	152	10.3	120	7.4	69	5.6	23.0
22	169	4.7	148	7.1	124	6.2	74	5.4	24.2
MEAN	213	10.0	171	9.7	140	8.0	82	6.1	21.7

FEB.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	14.5	161	7.4	119	6.8	63	5.1	22.6
2	198	4.4	156	7.9	113	6.6	65	5.0	17.0
4	222	12.3	186	9.2	140	7.3	78	5.8	16.9
6	202	6.7	162	7.8	128	6.5	75	5.1	22.3
8	205	12.0	169	6.8	135	5.9	83	4.9	22.9
10	213	11.5	177	7.9	136	7.4	78	5.3	20.9
12	184	10.0	158	5.9	113	6.6	64	5.1	27.0
14									
16									
18	149	10.8	135	9.6	111	7.6	63	5.8	16.5
20	173	10.4	145	9.4	116	7.8	68	6.3	16.3
22	170	7.8	142	8.0	114	6.6	64	5.6	23.4
MEAN	193	10.0	159	8.0	123	6.9	70	5.4	20.6

FEB.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	7.4	144	7.3	100	6.7	57	5.0	24.3
2	193	8.8	153	6.6	114	7.3	65	5.4	20.7
4	182	9.7	120	7.7	93	7.2	56	5.4	24.1
6	200	8.8	164	7.1	126	6.8	73	5.3	24.4
8	177	6.8	133	7.0	106	6.5	66	5.4	21.7
10	198	8.8	148	6.3	107	6.8	64	5.3	21.2
12	156	7.2	127	7.0	101	6.6	61	5.3	19.9
14	152	10.3	95	7.8	76	7.6	44	5.1	23.2
16	164	8.3	103	7.9	74	7.1	45	5.8	22.3
18	142	6.3	104	6.9	75	6.8	45	5.1	19.4
20	124	8.2	108	7.5	84	7.1	48	5.4	16.2
22	96	2.8	77	7.9	57	7.5	33	5.6	17.8
MEAN	164	7.8	123	7.2	93	7.0	55	5.3	21.3

FEB.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	102	8.8	79	7.9	62	7.3	37	5.6	23.1
2	129	5.0	109	5.9	84	5.6	52	4.3	28.3
4	139	6.0	98	6.2	73	5.3	45	3.8	33.5
6	103	3.1	84	5.9	70	5.9	46	4.5	28.0
8	134	6.8	93	5.8	75	5.4	49	4.3	27.2
10	109	7.3	93	6.0	72	5.9	44	4.2	25.0
12	96	9.8	80	6.3	66	5.8	42	4.4	25.7
14	124	6.7	98	6.7	77	6.1	49	4.7	24.2
16	144	3.9	96	6.2	71	6.1	43	4.5	23.1
18	165	7.5	106	7.4	77	6.6	42	4.5	20.9
20	141	4.5	107	7.0	81	6.3	45	4.7	20.0
22	125	8.3	100	6.9	75	6.1	42	4.8	21.0
MEAN	126	6.5	95	6.5	74	6.0	45	4.5	25.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 1.1988 TMEAM (SEC)	THETA (DEG)
0	148	5.0	95	6.6	67	6.1	38	4.1	20.3
2	139	4.3	91	5.2	69	4.4	43	3.2	31.8
4	131	5.9	106	5.3	83	4.8	50	3.4	35.2
6	167	4.9	124	4.5	99	4.3	64	3.6	33.2
8	183	2.1	137	4.6	112	4.6	72	3.8	31.0
10	199	5.0	154	5.3	125	4.9	78	4.1	26.5
12	205	5.4	151	5.1	124	5.1	80	4.2	29.9
14	204	6.6	181	5.6	148	5.4	93	4.4	26.1
16	257	5.9	187	5.5	154	5.5	98	4.6	25.9
18	194	4.5	150	5.6	127	5.5	84	4.5	33.7
20	172	5.8	137	5.9	117	6.1	77	4.6	30.5
22	148	7.3	128	7.0	110	6.3	73	4.7	30.4
MEAN	179	5.2	137	5.5	111	5.2	71	4.1	29.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 4.1988 TMEAM (SEC)	THETA (DEG)
0	153	10.9	134	9.9	112	8.0	63	5.8	23.4
2	211	11.7	165	9.3	133	7.8	74	5.4	23.5
4	196	10.2	178	8.7	143	7.9	76	5.8	17.0
6									
8	166	12.0	140	8.1	96	6.8	49	5.0	15.6
10	149	10.9	124	7.1	91	6.8	49	5.3	17.7
12	176	8.3	150	8.6	110	6.6	59	5.2	15.1
14	170	12.0	106	8.8	79	7.8	47	5.5	24.0
16	186	10.6	119	8.1	85	7.9	49	6.2	19.6
18	108	10.8	86	8.0	64	7.0	37	4.8	19.7
20	140	6.6	120	5.5	93	5.7	56	4.7	25.9
22	137	10.3	113	7.8	90	5.9	54	4.8	26.5
MEAN	163	10.4	130	8.2	100	7.1	56	5.3	20.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 2.1988 TMEAM (SEC)	THETA (DEG)
0	178	7.3	154	5.9	131	6.1	86	4.8	29.1
2	233	6.6	192	6.1	162	6.2	113	5.4	29.1
4	229	7.9	206	6.5	171	6.6	117	5.3	24.1
6	251	4.2	204	6.9	177	6.7	121	5.4	27.2
8	226	7.4	189	7.3	160	7.3	111	6.1	25.2
10	229	8.3	186	7.6	155	7.9	103	5.8	24.0
12	231	8.4	191	8.1	159	7.4	111	6.3	23.1
14	282	9.0	218	8.5	179	7.6	124	6.2	25.1
16	292	9.3	212	8.7	183	8.1	125	6.6	21.5
18	195	8.5	175	9.3	156	8.5	106	6.4	21.3
20	154	9.5	141	9.3	119	9.4	76	6.2	29.6
22	148	11.9	123	9.5	104	8.4	69	6.3	24.9
MEAN	221	8.2	183	7.8	155	7.5	105	5.9	25.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 5.1988 TMEAM (SEC)	THETA (DEG)
0	140	6.1	113	7.2	90	5.8	52	4.5	32.0
2	154	9.8	126	8.8	97	6.9	58	4.8	25.9
4	181	6.6	120	6.3	91	6.0	54	4.3	26.5
6	179	6.8	123	7.2	85	6.4	51	4.6	23.6
8	181	5.5	137	6.9	104	6.4	58	5.1	24.6
10	162	10.8	113	6.4	82	5.9	46	4.5	23.2
12	161	11.6	118	7.3	83	6.4	46	4.8	20.7
14									
16									
18	182	6.7	160	9.1	122	8.6	70	6.3	17.5
20	251	13.6	186	11.3	152	8.7	88	6.6	23.9
22	175	9.4	147	10.4	118	9.6	68	6.2	30.6
MEAN	177	8.7	134	8.1	102	7.1	59	5.2	24.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 3.1988 TMEAM (SEC)	THETA (DEG)
0	152	11.4	129	10.7	110	9.0	69	6.1	21.4
2	217	7.3	190	9.3	156	8.6	99	6.5	20.4
4	282	7.9	220	8.6	190	8.7	125	7.1	22.4
6	222	10.4	202	9.2	169	9.1	99	6.6	21.2
8	269	14.0	205	9.8	164	9.7	102	7.1	15.2
10	208	10.6	180	10.7	155	10.3	101	7.5	13.5
12	255	11.6	197	9.8	157	8.5	100	6.6	28.9
14	259	9.3	218	7.8	181	7.8	112	6.2	14.5
16	334	10.6	231	8.2	187	7.8	109	6.3	16.8
18	214	7.3	185	8.6	154	8.0	89	6.0	21.9
20	186	10.8	150	10.2	125	8.7	75	6.1	25.8
22	148	10.8	131	9.8	107	7.7	66	5.8	25.3
MEAN	229	10.2	187	9.4	155	8.7	96	6.5	20.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 6.1988 TMEAM (SEC)	THETA (DEG)
0	151	11.8	128	11.1	112	9.4	72	7.1	27.0
2	171	8.5	153	10.3	128	7.9	76	6.3	22.9
4	220	12.9	181	10.4	150	8.8	87	6.1	24.6
6	215	12.6	183	9.9	145	7.6	83	5.5	27.2
8	193	8.0	171	9.0	139	7.5	80	5.7	22.3
10	146	13.9	130	10.1	112	9.0	72	6.3	26.2
12	158	9.6	134	9.9	110	7.7	68	5.7	23.0
14	169	7.6	151	8.2	130	7.3	76	5.6	24.4
16	220	7.3	180	8.8	140	7.8	77	5.6	17.6
18	245	8.4	200	10.3	158	8.4	88	6.4	18.3
20	214	12.5	169	9.3	137	8.0	79	6.3	17.8
22	157	10.7	136	9.2	114	7.5	71	5.3	29.6
MEAN	188	10.3	160	9.7	131	8.1	77	6.0	23.4

MAR. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	155	5.6	130	7.3	107	7.1	70	5.3	24.2
2	277	7.7	160	8.8	128	7.5	77	5.4	22.4
4	210	10.5	166	7.7	138	6.6	89	5.1	23.3
6	229	11.4	197	8.6	151	7.1	92	5.6	20.2
8	207	7.8	166	6.8	125	6.3	73	5.1	17.9
10	173	9.5	146	9.2	119	7.1	73	5.5	9.7
12	165	10.0	136	9.0	112	7.4	67	5.8	10.1
14	194	12.6	149	9.5	112	7.3	61	5.1	20.6
16	183	7.6	155	7.9	115	7.8	65	5.3	20.4
18	230	13.0	149	8.5	104	7.3	59	5.1	22.3
20	218	12.7	162	10.3	111	8.0	61	5.8	21.7
22	192	13.8	150	11.3	124	9.3	69	6.3	25.5
MEAN	203	10.2	156	8.7	121	7.4	71	5.4	19.9

MAR.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	122	6.6	108	5.8	91	5.8	57	4.5	18.1
2	195	12.8	133	5.6	98	5.7	59	4.8	17.9
4	161	6.3	132	9.3	101	7.6	58	5.8	16.9
6	195	12.5	136	11.1	91	8.8	54	6.4	14.1
8	186	12.6	130	10.8	93	9.6	55	6.8	13.4
10	156	8.3	120	7.5	88	7.0	49	5.4	14.9
12	145	12.6	122	8.1	87	8.5	48	6.2	21.8
14	143	12.6	118	9.3	92	7.9	50	6.5	21.1
16	157	12.5	126	9.6	101	7.9	55	6.3	18.7
18	144	8.3	118	8.4	92	8.1	49	5.6	12.3
20									
22	180	13.1	135	10.7	87	9.4	43	6.3	10.9
MEAN	162	10.7	125	8.7	93	7.8	52	5.9	16.4

MAR. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	161	10.3	143	10.4	119	8.5	73	5.9	27.6
2	178	16.2	146	9.5	116	7.9	72	5.9	26.2
4	212	10.3	188	10.3	147	8.1	86	5.9	24.0
6									
8	221	14.1	179	10.8	131	9.4	73	6.9	26.6
10									
12									
14	170	15.3	142	13.4	115	9.0	65	6.5	14.4
16	184	12.9	162	9.8	136	8.3	77	6.9	18.0
18	198	14.2	161	8.8	120	7.3	67	5.3	16.0
20	262	14.6	191	11.5	137	8.3	72	5.8	11.7
22	180	14.3	156	10.9	113	7.8	60	5.8	18.3
MEAN	196	13.6	163	10.6	126	8.3	72	6.1	20.3

MAR.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	9.9	104	11.0	76	9.6	43	6.5	8.9
2	147	11.9	109	10.4	79	10.0	47	7.5	8.4
4	141	13.4	102	10.9	67	9.8	39	7.1	9.3
6	128	10.9	88	12.3	65	10.2	35	6.4	10.7
8	106	11.3	88	10.8	66	10.1	36	6.3	6.6
10	127	11.9	98	10.5	72	9.9	41	7.1	1.3
12	113	14.1	84	9.0	61	8.4	35	6.0	4.0
14									
16	130	6.9	101	6.6	70	7.8	38	5.5	6.3
18	112	9.1	91	9.4	71	8.1	40	5.7	0.3
20	116	5.5	81	7.3	61	7.1	37	5.0	-3.9
22									
MEAN	125	10.5	95	9.8	69	9.1	39	6.3	5.2

MAR. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	13.6	150	10.0	117	7.3	66	5.9	19.8
2	197	8.4	146	9.3	102	8.3	57	6.1	18.7
4	192	12.3	141	10.1	101	9.0	58	6.8	23.3
6	212	12.8	179	9.9	119	9.1	63	6.9	20.0
8	194	12.9	159	9.9	112	8.8	60	6.3	25.5
10	182	8.2	137	7.5	105	6.3	55	5.2	24.4
12	158	11.0	121	8.1	91	6.8	51	5.1	25.0
14	157	12.2	120	8.3	93	6.6	51	4.6	11.1
16	170	2.5	125	7.1	96	6.1	58	4.6	15.3
18	267	5.3	134	4.9	104	4.8	65	4.0	10.8
20	159	4.8	135	5.6	106	4.9	68	4.1	11.7
22	179	4.1	129	4.6	100	4.9	63	3.8	20.3
MEAN	188	9.0	140	7.9	104	6.9	60	5.3	18.8

MAR.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	102	4.9	81	8.3	56	7.3	34	5.3	-3.4
2	86	9.4	75	7.1	58	6.5	34	4.4	-5.6
4	124	4.9	81	8.9	63	7.5	38	5.1	-10.1
6	118	10.7	82	6.9	62	7.0	40	5.3	-10.5
8	114	6.9	92	6.4	73	6.5	47	4.8	-13.4
10	206	11.3	132	8.3	96	6.8	62	5.3	-10.2
12	180	9.8	145	7.6	112	7.3	69	6.1	-8.9
14									
16									
18	198	10.9	138	7.4	96	7.5	52	5.0	0.6
20	140	3.3	105	5.8	79	5.9	48	4.4	14.1
22	190	11.1	132	7.8	90	6.8	52	4.8	14.1
MEAN	146	8.3	106	7.4	79	6.9	48	5.0	-3.3

MAR.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	127	11.1	99	9.2	71	7.6	39	5.1	14.8
2	158	9.7	125	9.4	92	8.7	50	5.6	12.3
4	177	4.4	113	9.0	87	8.6	51	6.1	13.1
6									
8	211	11.0	157	10.6	112	9.7	63	7.6	11.0
10	210	13.7	136	10.5	95	9.8	55	7.3	12.3
12	173	9.8	134	11.2	89	9.3	47	6.4	6.7
14	203	11.7	135	10.1	84	7.9	44	5.8	10.4
16	159	10.3	135	8.8	104	7.6	54	5.9	3.2
18	132	12.4	111	8.3	83	6.9	45	5.3	5.5
20	162	6.2	124	7.8	90	6.9	49	5.5	4.3
22	177	12.3	150	8.8	104	8.6	55	6.5	3.2
MEAN	172	10.2	129	9.4	92	8.3	50	6.1	8.8

MAR.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	186	11.8	153	9.4	107	10.2	58	7.5	11.6
2	134	7.6	112	9.2	86	9.6	50	7.3	10.1
4	150	10.9	120	10.7	90	9.8	52	6.9	6.2
6	208	9.3	133	8.9	100	8.5	57	6.6	11.5
8	177	4.8	136	9.3	104	10.0	58	6.9	8.6
10	166	9.9	135	10.2	104	9.0	59	6.9	8.0
12	198	12.6	136	9.4	93	9.2	52	6.6	10.4
14	174	14.0	151	10.6	111	10.6	63	8.2	7.0
16	157	9.6	139	8.2	99	8.3	54	6.3	11.2
18	167	9.4	133	8.9	94	7.9	52	6.2	7.1
20	157	13.1	134	9.9	98	7.8	53	6.0	8.7
22	146	8.4	119	8.9	83	7.1	45	5.8	8.3
MEAN	168	10.1	133	9.5	97	9.0	54	6.8	9.1

MAR.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	12.9	103	10.1	77	9.3	44	6.6	4.9
2	119	11.8	94	10.8	76	9.6	46	7.1	3.2
4	122	11.6	94	9.5	74	8.8	44	6.0	1.2
6	211	10.9	160	6.8	119	6.3	72	4.7	14.6
8	213	8.1	185	6.5	161	6.3	106	5.1	24.4
10	215	7.5	187	6.9	158	6.6	102	5.3	20.4
12	316	5.5	213	7.6	167	6.9	103	5.4	23.1
14	211	8.4	191	7.9	165	7.1	104	5.6	22.6
16	237	7.6	196	7.8	167	6.9	111	5.9	27.7
18	171	9.0	153	8.9	133	8.1	91	6.3	27.9
20	150	10.1	131	8.5	111	7.6	72	5.5	24.0
22	148	7.1	137	7.7	118	7.8	77	5.8	13.7
MEAN	187	9.2	154	8.2	127	7.6	81	5.8	17.3

MAR.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	205	11.6	154	9.7	127	7.5	74	5.6	25.3
2	204	9.1	165	9.8	120	8.0	68	5.6	18.8
4	229	10.2	159	8.9	118	7.8	72	5.9	24.9
6	166	6.6	146	6.7	118	6.5	71	4.7	32.9
8	165	9.2	140	7.1	110	6.8	66	4.9	23.5
10	175	9.6	138	7.1	99	6.6	59	4.6	24.2
12	202	10.8	131	8.2	99	6.8	56	4.9	21.6
14	136	8.6	100	8.5	78	7.7	46	5.0	26.5
16	157	8.3	116	8.5	87	7.9	49	5.3	28.5
18	135	6.9	115	7.6	89	7.4	50	5.3	24.5
20	130	13.5	110	7.8	84	7.0	49	5.4	21.1
22	129	10.8	106	6.0	86	6.2	53	4.9	22.9
MEAN	169	9.6	132	8.0	101	7.2	59	5.2	24.6

MAR.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	4.6	98	6.8	78	6.6	48	5.3	21.4
2	107	10.0	85	9.3	65	7.2	38	5.1	18.8
4	135	4.8	98	7.6	73	7.2	44	5.6	17.9
6	152	10.1	106	6.9	79	5.9	48	3.9	24.9
8	265	5.3	119	5.3	89	4.8	55	3.8	27.4
10									
12	138	8.5	112	6.3	81	5.5	48	4.0	19.2
14	185	5.6	107	7.0	79	6.5	47	4.8	16.1
16	102	3.3	79	7.4	64	7.4	39	5.1	14.0
18	173	9.8	95	7.7	68	7.5	40	4.9	14.3
20	123	9.5	97	5.8	71	5.4	41	3.8	25.3
22	115	7.5	94	5.7	79	4.8	51	3.8	24.1
MEAN	147	7.2	99	6.9	75	6.3	45	4.6	20.3

MAR.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	5.4	127	4.6	107	4.3	71	3.9	14.2
2	210	6.1	173	6.1	146	6.1	99	5.0	2.7
4	319	3.8	201	6.3	171	6.3	111	5.0	4.7
6	235	8.0	192	6.5	163	6.3	111	5.2	6.2
8	192	7.5	166	7.0	141	6.6	95	5.1	20.8
10	173	8.4	150	6.9	129	6.9	84	5.1	4.8
12	197	8.9	161	8.0	129	7.4	83	5.3	7.7
14	224	8.6	190	7.3	160	7.8	107	5.8	7.8
16	236	10.9	207	9.4	173	8.5	111	6.1	3.5
18	231	10.3	188	6.8	156	7.4	107	6.0	6.8
20	159	7.1	144	8.5	123	8.3	81	6.0	13.1
22	144	12.3	122	8.8	102	7.6	66	5.6	11.3
MEAN	206	8.1	168	7.2	142	7.0	94	5.3	8.6

MAR.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	198	11.3	147	10.3	121	8.3	79	5.9	5.5
2	188	9.0	160	7.4	139	7.1	93	5.9	25.8
4	239	10.3	181	7.3	148	7.0	92	5.6	20.1
6	211	7.4	185	9.0	157	7.9	102	5.9	11.8
8	169	3.7	154	7.6	133	7.1	83	5.8	20.4
10	162	12.7	120	10.3	100	8.1	63	5.8	16.5
12									
14									
16									
18									
20									
22									
MEAN	195	9.1	158	8.6	133	7.6	85	5.8	16.7

MAR.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	193	12.2	158	7.0	127	5.7	80	4.9	18.8
20	172	10.5	151	7.4	129	6.1	84	5.1	18.9
22	167	7.3	144	8.2	123	7.9	83	5.8	18.1
MEAN	177	10.0	151	7.5	126	6.6	82	5.3	18.6

MAR.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	143	7.1	122	8.5	102	6.7	66	5.0	19.0
2	173	5.6	150	7.4	119	6.0	72	5.2	13.3
4	189	11.4	147	7.2	113	6.3	69	4.8	15.8
6	191	6.6	154	6.6	122	5.6	75	4.6	20.4
8	152	5.6	132	6.3	113	5.4	73	4.4	22.2
10	123	8.0	99	6.8	81	5.6	53	4.3	24.0
12	109	6.2	86	6.3	72	5.4	45	3.9	25.3
14	120	5.4	106	5.6	87	5.3	57	4.4	24.9
16	169	6.6	136	6.6	110	5.8	66	4.4	21.0
18	210	7.4	151	6.6	121	6.3	72	4.4	16.9
20	194	8.8	163	7.8	132	6.2	81	4.6	6.6
22	180	9.9	143	7.0	119	6.3	76	4.8	1.3
MEAN	163	7.4	132	6.9	108	5.9	67	4.6	17.6

MAR.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	7.1	140	7.4	116	6.4	75	4.8	4.4
2	172	6.8	143	6.5	121	5.8	78	4.6	9.0
4	219	8.8	182	6.4	150	5.9	98	4.8	12.6
6									
8	208	7.4	175	7.6	144	6.8	99	5.4	7.7
10	143	9.3	124	7.8	106	7.0	68	5.1	1.9
12	133	10.4	114	9.2	97	8.5	62	5.9	2.0
14	149	8.3	127	10.0	111	8.9	70	6.1	1.0
16	197	13.3	171	11.9	152	10.1	100	7.0	0.0
18	278	7.9	206	10.8	178	10.3	119	7.3	3.4
20	232	10.6	203	9.3	170	9.3	108	7.1	-0.8
22	267	12.6	220	11.1	181	9.8	111	7.4	3.4
MEAN	197	9.3	164	8.9	139	8.1	90	6.0	4.1

MAR.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	270	12.5	207	11.6	176	10.1	102	7.0	4.1
2	232	19.9	202	15.8	174	12.3	117	8.6	7.3
4	259	14.2	232	12.6	196	10.7	123	7.5	4.5
6	311	12.3	267	13.1	218	11.4	139	7.8	8.5
8	274	16.8	235	13.6	200	11.4	126	7.8	9.7
10	220	7.8	188	10.3	147	8.2	83	5.9	5.8
12	205	8.6	168	8.0	133	6.8	83	5.9	9.0
14	206	20.2	157	10.0	129	7.3	76	5.8	7.7
16	230	9.0	191	8.4	154	6.1	94	5.6	21.1
18	264	7.1	223	10.0	185	8.4	105	6.4	8.8
20	239	12.5	220	11.9	181	9.9	108	7.3	9.7
22	279	8.3	239	8.5	197	7.9	115	6.0	10.7
MEAN	249	12.4	211	11.1	174	9.2	106	6.8	8.9

MAR.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	252	13.0	206	10.9	174	8.4	101	6.4	6.4
2	213	7.6	193	8.8	168	8.1	108	6.8	11.6
4									
6									
8									
10									
12	186	13.7	143	6.1	115	5.9	71	4.9	25.1
14									
16	171	4.8	148	5.6	120	5.9	72	5.0	23.3
18	165	6.4	139	5.8	106	6.5	61	4.9	25.3
20	232	9.9	143	7.1	105	7.6	61	5.6	24.8
22	225	11.7	169	8.3	125	7.1	73	5.6	23.4
MEAN	206	9.6	163	7.5	130	7.1	78	5.6	20.0

MAR.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	226	12.4	187	8.7	147	7.1	82	5.7	15.7
2	173	7.1	153	7.1	124	7.5	73	5.8	22.0
4	179	11.3	159	8.0	128	7.4	75	5.6	18.1
6	275	8.0	196	8.0	139	8.0	80	5.9	22.2
8									
10	184	10.3	134	8.4	107	7.4	65	5.2	21.4
12	167	4.7	133	5.6	100	5.8	61	4.3	25.7
14	167	4.6	118	5.1	90	5.3	56	4.4	23.0
16	131	6.3	111	6.3	86	5.7	53	4.3	23.0
18	164	8.7	125	5.3	94	5.7	57	4.6	15.2
20									
22	180	3.8	132	6.6	103	6.1	64	4.5	19.5
MEAN	185	7.7	145	6.9	112	6.6	67	5.0	20.6

MAR.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	202	2.4	157	5.4	126	5.4	79	4.6	18.6
2	176	11.3	151	7.1	119	6.5	75	4.9	20.9
4	188	5.4	152	6.4	124	5.9	76	4.5	22.4
6	192	3.3	149	5.9	120	6.0	75	4.6	21.4
8	222	5.8	178	6.3	145	6.0	91	4.8	21.5
10	245	5.2	178	6.3	145	5.8	91	4.6	29.4
12	181	4.9	158	6.3	135	6.0	83	4.5	27.3
14									
16									
18	195	5.1	151	6.1	124	5.8	76	4.6	25.9
20	198	13.5	164	6.5	140	5.8	90	4.9	24.2
22	221	15.9	178	7.6	154	7.3	101	5.8	19.8
MEAN	202	7.3	162	6.4	133	6.0	84	4.8	23.1

MAR.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	231	9.5	194	7.9	163	7.0	103	5.2	20.0
2	202	7.0	179	7.9	156	7.3	103	5.8	18.5
4	252	6.8	204	6.5	169	5.8	107	5.0	11.2
6	219	6.4	193	5.2	163	6.3	107	5.6	10.3
8	229	7.6	199	7.7	166	7.3	101	5.8	9.2
10									
12									
14									
16									
18	199	6.1	156	6.9	125	6.1	78	5.1	21.3
20	182	5.3	159	6.3	130	5.9	78	4.9	23.3
22									
MEAN	216	7.0	183	6.9	153	6.5	97	5.3	16.3

MAR.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	6.2	179	7.4	150	6.3	88	5.5	20.6
2	220	10.9	192	8.6	158	6.9	98	5.6	14.1
4	336	7.7	215	8.8	168	7.1	100	5.7	13.1
6	219	5.3	183	7.3	159	6.8	95	5.8	18.1
8	203	5.6	170	5.6	141	6.0	91	5.0	15.7
10	203	9.5	175	6.4	147	6.6	90	5.4	9.8
12	258	13.5	196	9.1	150	6.4	88	5.5	14.1
14	168	6.1	147	6.3	125	6.8	81	5.8	8.8
16	166	4.6	146	5.8	119	6.2	71	5.1	11.8
18	178	5.1	140	7.3	116	6.3	74	5.0	10.5
20	165	5.0	137	6.0	108	5.8	68	4.4	6.5
22	196	5.2	156	5.9	124	6.5	76	5.3	5.9
MEAN	211	7.1	170	7.0	139	6.5	85	5.3	12.4

MAR.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	5.1	149	5.8	120	6.5	71	5.3	3.9
2	304	8.0	180	7.8	135	7.8	78	6.1	9.9
4	186	7.3	164	6.6	135	6.9	81	5.3	14.0
6	182	4.2	138	6.8	105	6.3	65	4.8	20.3
8	167	8.4	147	7.1	118	6.1	76	4.9	20.5
10	183	10.3	151	6.9	123	6.3	76	5.2	23.8
12	205	5.8	161	6.3	128	5.8	80	4.6	21.1
14	208	11.3	182	8.1	149	6.6	92	5.1	21.6
16	224	10.9	173	7.7	143	6.8	95	5.3	23.3
18	193	9.4	151	6.8	119	5.8	74	4.6	23.4
20	164	9.4	126	5.1	101	5.1	64	4.3	22.0
22	167	5.6	137	6.8	115	6.1	78	4.6	4.4
MEAN	197	8.0	155	6.8	124	6.3	78	5.0	17.3

MAR.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	231	6.6	172	6.4	141	5.8	89	4.5	2.8
2	278	5.1	203	7.3	168	6.8	108	5.3	16.4
4	222	5.4	188	6.8	154	5.8	97	4.9	19.2
6	221	8.1	188	7.8	153	7.0	95	5.3	21.3
8	179	7.3	160	6.6	132	6.4	83	4.8	18.9
10	202	5.4	177	5.8	150	6.3	97	5.1	21.0
12	223	6.9	184	7.1	151	6.2	93	4.8	17.3
14	222	5.1	194	7.3	163	7.1	103	5.3	20.9
16	217	8.0	182	7.4	153	6.6	98	5.4	19.6
18	190	9.9	169	7.8	141	6.8	85	5.1	18.3
20	180	7.8	157	8.3	128	6.6	79	5.0	18.2
22	187	5.6	162	8.8	132	6.5	81	5.1	16.5
MEAN	213	6.8	178	7.3	147	6.5	92	5.0	17.5

MAR.31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	10.9	173	8.4	144	7.0	91	5.5	14.8
2	305	15.6	216	8.9	172	7.1	109	5.9	15.8
4	237	11.9	200	8.9	166	6.8	103	5.7	15.6
6	215	12.7	181	11.4	153	8.3	95	6.1	19.8
8	195	11.6	169	10.4	138	8.3	84	6.2	19.8
10									
12	234	8.5	201	7.9	173	7.2	113	5.9	16.6
14	239	11.4	205	7.9	173	7.4	112	6.0	22.5
16	230	12.2	196	9.4	162	6.9	99	5.5	21.7
18	221	9.0	185	6.9	159	5.8	102	5.1	14.3
20	188	9.9	155	6.6	128	5.7	82	5.2	19.0
22	169	7.8	152	8.0	128	6.8	78	5.5	19.1
MEAN	223	11.0	185	8.6	154	7.0	97	5.7	18.1

APR. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	299	4.6	175	7.4	139	6.6	87	5.6	22.8
2	220	13.2	194	8.5	159	7.4	97	5.8	20.6
4	201	6.6	178	7.6	149	6.8	95	5.5	19.2
6									
8	204	7.7	163	6.4	135	6.4	83	5.4	15.3
10	207	5.9	163	7.6	131	6.4	79	5.3	21.2
12	208	6.1	177	7.8	147	7.1	90	5.8	23.0
14	220	10.2	193	9.4	164	7.8	101	6.2	20.5
16	249	8.0	202	9.9	164	8.5	98	6.8	17.6
18	271	14.8	219	11.5	175	8.3	106	6.7	23.6
20	223	9.0	171	9.1	134	7.0	79	5.9	20.1
22	187	7.6	153	8.3	127	6.2	74	5.5	19.4
MEAN	226	8.5	181	8.5	148	7.1	90	5.9	20.3

APR. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	225	8.5	175	9.3	144	7.9	85	6.0	19.4
2	246	9.8	204	9.8	170	8.4	99	6.4	22.8
4	264	14.0	231	11.8	195	10.1	120	7.4	20.3
6	207	6.6	179	6.6	152	6.9	90	5.8	23.9
8	213	9.8	176	11.3	149	7.7	85	5.7	19.2
10	170	6.4	145	6.4	120	5.5	74	5.3	17.1
12									
14									
16									
18									
20									
22	183	6.9	158	7.8	132	6.8	81	5.4	13.0
MEAN	215	8.9	181	9.0	152	7.6	91	6.0	19.4

APR. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	280	7.9	182	8.1	144	7.5	80	6.1	28.4
2	301	6.8	179	7.8	146	7.5	92	5.8	15.2
4	236	4.8	200	8.0	161	7.3	95	5.8	18.7
6	302	6.1	210	7.6	169	6.9	106	6.1	17.9
8	216	6.0	173	8.3	144	6.7	84	5.6	27.6
10	270	3.3	162	7.3	130	6.6	84	5.3	16.2
12	193	5.1	154	7.0	131	6.9	84	5.6	22.3
14	219	6.9	180	7.8	151	6.8	96	5.6	17.7
16	229	10.3	195	9.5	160	7.9	96	5.8	22.7
18	346	8.5	236	7.5	186	7.4	116	5.8	14.3
20	243	11.5	191	8.6	164	7.5	108	5.6	18.3
22	206	6.3	168	6.9	139	6.6	86	5.3	19.1
MEAN	253	7.0	186	7.9	152	7.1	94	5.7	19.9

APR. 4.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	7.6	161	7.6	134	6.6	83	5.3	25.7
2	319	7.0	203	6.6	164	7.0	101	5.6	6.8
4	284	5.3	211	7.5	164	7.0	96	5.4	26.7
6	245	10.0	202	7.1	171	7.6	110	5.9	18.9
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	265	7.5	194	7.2	158	7.0	98	5.5	19.5

APR. 5.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR. 6.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	154	6.9	115	8.2	90	7.6	49	5.1	0.1
2	152	7.9	124	8.2	100	8.4	61	6.4	0.6
4	142	7.5	110	8.3	88	8.6	52	6.1	-1.1
6	157	8.8	129	9.6	99	8.8	56	6.2	2.7
8	128	12.8	111	10.2	92	8.8	56	6.6	4.0
10	147	8.8	128	9.2	102	9.1	62	6.6	4.2
12	141	8.5	116	8.5	95	8.2	60	6.5	4.6
14	123	7.7	99	8.2	76	7.9	45	5.6	3.4
16	120	8.5	107	8.8	90	8.7	54	6.2	1.6
18	126	8.3	108	9.1	84	8.5	48	6.3	1.8
20	121	9.8	102	9.0	83	8.8	50	6.5	3.2
22	126	10.5	103	9.1	83	8.5	50	6.3	2.6
MEAN	136	8.8	113	8.9	90	8.5	54	6.2	2.3

APR.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	7.3	92	8.2	77	8.7	45	6.4	2.2
2	128	10.9	114	10.1	86	9.8	51	7.5	3.6
4	121	11.1	93	9.6	73	9.1	44	7.1	-1.7
6	120	7.8	106	9.3	86	9.1	52	7.6	3.5
8	145	10.4	117	10.2	88	9.3	49	6.6	5.6
10	123	8.2	110	9.4	83	8.8	48	6.6	7.5
12	115	11.0	102	9.4	82	9.1	51	7.4	7.1
14									
16									
18									
20									
22									
MEAN	122	9.5	105	9.5	82	9.1	49	7.0	4.0

APR.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAY 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	4.1988 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	151	7.5	102	7.9	78	7.9	48	5.8	-5.1
20	118	11.3	97	8.1	75	6.5	45	4.2	2.5
22	136	7.1	97	7.1	78	5.9	49	4.1	19.4
MEAN	135	8.6	99	7.7	77	6.8	47	4.7	5.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	7.1988 THETA (DEG)
0	90	7.8	77	8.9	62	8.7	37	5.6	-4.9
2	88	7.4	75	8.8	62	8.6	36	5.8	-5.6
4	108	9.4	81	9.8	61	9.0	36	6.1	-6.1
6	76	9.8	69	9.0	56	8.0	34	5.3	-11.6
8	152	3.9	102	5.5	80	4.6	51	3.5	35.5
10	172	7.0	118	5.9	93	4.9	62	3.9	32.4
12	141	4.8	110	5.2	89	5.0	57	3.8	28.9
14									
16									
18	185	4.2	139	4.3	104	4.4	64	3.6	29.0
20									
22	226	5.0	148	5.3	114	5.0	72	3.9	28.8
MEAN	138	6.6	102	7.0	80	6.5	50	4.6	14.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	5.1988 THETA (DEG)
0	153	9.7	107	7.1	81	5.6	50	3.8	23.1
2	140	8.6	105	6.7	83	5.9	53	4.4	21.3
4	156	7.2	113	7.1	88	6.9	52	4.9	10.9
6	159	6.2	120	6.3	96	6.2	61	4.9	22.6
8	153	7.1	126	6.7	101	6.6	63	5.1	21.9
10	177	8.3	152	7.3	120	7.1	74	5.3	21.4
12	173	8.8	128	6.9	106	6.7	68	5.2	20.6
14	137	6.7	121	7.3	97	6.7	61	4.9	14.5
16	160	6.9	108	7.3	81	6.1	50	4.3	12.0
18	114	7.3	85	7.1	69	6.6	43	4.7	6.9
20	104	6.6	81	8.8	66	7.8	40	5.2	2.5
22	107	8.3	85	7.9	65	7.6	38	5.4	-0.7
MEAN	144	7.6	111	7.2	88	6.6	54	4.8	14.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	8.1988 THETA (DEG)
0	357	5.4	224	5.1	176	5.1	112	4.4	26.6
2	272	8.0	227	6.1	187	5.6	124	5.0	31.4
4	281	4.8	228	6.2	195	6.5	130	5.6	27.5
6	255	4.6	219	6.4	184	6.8	121	5.3	29.6
8	247	8.9	216	8.8	186	7.7	118	5.8	26.2
10	225	8.5	206	7.9	175	7.1	111	5.6	21.9
12	211	7.4	187	6.8	161	6.8	103	5.3	20.9
14	221	5.1	182	6.1	154	5.9	101	5.1	19.9
16	241	10.8	189	7.7	156	7.3	100	5.9	12.8
18	253	8.8	206	8.2	167	7.8	112	6.1	18.1
20	234	6.6	197	8.3	171	7.8	114	7.0	16.9
22	229	7.3	198	9.2	158	8.8	94	6.6	15.6
MEAN	252	7.2	207	7.2	173	6.9	112	5.6	22.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	6.1988 THETA (DEG)
0	93	6.3	82	7.9	67	8.3	40	5.6	4.8
2	265	4.1	106	7.2	80	6.0	51	4.1	33.0
4	135	6.3	103	7.9	81	7.0	50	4.6	15.5
6	126	7.8	100	8.6	76	6.9	48	4.8	13.4
8	203	8.6	137	7.4	111	6.8	71	5.3	20.4
10	126	6.8	101	6.9	82	7.1	52	5.1	14.7
12	126	6.4	95	6.8	75	6.8	45	4.5	9.4
14	110	7.0	91	7.6	74	7.8	45	5.2	5.7
16	140	7.1	97	8.3	71	7.6	39	4.8	1.5
18	101	8.9	84	8.3	65	7.8	37	4.6	-6.3
20	109	7.2	84	7.6	62	7.1	36	4.5	-11.5
22	107	8.8	89	9.0	70	8.0	42	5.6	-3.7
MEAN	137	7.1	97	7.8	76	7.3	46	4.9	8.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	9.1988 THETA (DEG)
0	252	8.9	206	8.4	169	8.0	98	6.0	15.7
2	205	13.1	190	9.4	161	8.4	99	6.8	17.3
4	214	8.9	191	9.4	164	8.8	105	6.8	19.5
6	244	7.5	189	8.6	157	8.5	99	6.8	20.0
8	235	9.4	202	7.8	166	8.0	102	6.5	18.5
10	207	5.6	174	7.9	148	7.6	93	5.8	17.4
12	228	7.1	191	8.3	160	8.1	97	6.1	16.2
14	204	9.0	168	7.6	133	7.5	82	5.6	19.1
16	210	5.9	160	6.9	135	6.8	83	5.1	14.9
18	185	10.3	160	7.7	136	7.1	85	5.5	18.7
20	216	7.7	187	7.6	148	7.6	92	5.6	13.7
22	221	6.8	181	9.0	150	8.9	89	6.6	9.7
MEAN	218	8.3	183	8.2	152	7.9	94	6.1	16.7

MAY 10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	179	10.0	159	9.9	134	8.8	81	6.7	9.6
2	191	8.5	175	9.4	147	8.9	89	6.8	10.0
4	206	11.1	183	8.8	153	9.0	93	7.1	12.6
6	257	10.5	194	9.6	152	8.8	88	6.8	13.0
8	182	6.8	154	8.6	118	8.9	68	6.6	9.6
10	201	7.3	147	8.8	108	9.2	62	6.8	4.8
12	195	7.9	147	7.8	113	8.3	69	6.9	10.9
14	149	6.8	124	7.7	96	8.3	56	5.6	-0.9
16	145	10.3	118	9.0	94	8.0	56	5.4	-3.8
18	163	6.9	137	7.7	105	7.1	62	4.8	-3.2
20	145	6.6	116	7.4	96	7.3	62	5.6	-3.2
22	160	11.8	137	8.5	112	7.6	67	5.9	-3.0
MEAN	181	8.7	149	8.6	119	8.3	71	6.2	4.7

MAY 11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	9.6	156	9.3	119	8.9	73	6.4	-3.2
2	176	6.9	143	8.6	107	8.0	64	6.4	-1.4
4	153	9.1	124	8.0	99	8.1	60	6.1	-0.5
6	138	7.9	109	8.8	90	8.0	56	5.9	-1.0
8	139	10.2	124	9.5	102	8.8	60	5.8	-2.6
10	169	9.1	140	8.9	110	8.3	64	5.6	-5.4
12	208	5.7	175	9.3	129	8.5	75	5.7	-2.7
14	197	6.1	145	7.2	118	7.3	73	5.4	-8.4
16	156	5.7	123	8.5	99	7.8	61	5.4	-8.8
18	165	7.8	148	7.9	121	8.0	72	5.7	0.3
20	173	8.2	143	7.6	118	8.0	69	5.8	-0.2
22	187	7.4	166	7.4	131	7.7	77	5.6	-4.3
MEAN	170	7.8	141	8.4	112	8.1	67	5.8	-3.2

MAY 12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	8.7	154	8.4	114	8.0	68	5.8	-5.7
2	183	5.8	155	7.5	125	8.3	75	5.9	-0.2
4	210	6.9	165	8.1	121	7.5	72	5.6	-2.6
6	170	7.8	151	7.7	122	8.1	74	5.9	-2.9
8	165	8.8	136	8.3	110	7.4	67	5.4	-3.6
10	177	6.3	145	7.8	113	8.3	69	5.8	-5.9
12	170	9.9	138	7.8	107	8.3	62	5.5	-2.3
14	213	8.3	175	7.4	142	7.4	90	6.1	-1.4
16	192	8.6	170	8.8	146	8.1	95	6.8	-0.8
18	258	6.6	185	7.6	152	7.8	97	6.5	0.0
20	190	9.5	173	7.9	150	7.8	90	6.3	0.7
22	221	8.3	174	8.1	136	8.4	84	6.5	4.8
MEAN	197	8.0	160	7.9	128	7.9	79	6.0	-1.7

MAY 13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	227	7.8	163	7.9	123	8.3	77	6.9	0.7
2	186	10.3	159	9.9	132	8.8	81	7.2	1.3
4	160	10.9	144	9.8	109	9.1	66	7.8	1.8
6	149	12.0	117	9.5	96	9.0	58	7.1	0.2
8	138	8.2	117	9.5	94	9.6	57	7.6	2.4
10	127	10.1	112	10.5	90	9.5	58	8.3	6.4
12	121	11.0	91	9.8	68	9.0	35	5.1	-1.1
14	130	9.6	99	9.3	71	8.9	39	5.4	-0.9
16	108	11.3	84	10.6	62	9.4	33	5.1	-5.0
18	89	11.4	73	10.7	53	9.3	29	6.3	4.9
20	78	9.4	67	9.8	52	9.4	30	6.9	0.2
22	63	10.0	50	10.9	40	9.9	23	6.6	4.6
MEAN	131	10.2	106	9.8	83	9.2	49	6.7	1.3

MAY 14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	63	10.4	48	10.6	37	9.7	20	6.3	-1.6
2	58	10.9	49	10.1	39	9.6	25	7.3	1.1
4	56	11.4	46	11.5	36	10.7	20	6.5	1.2
6	79	11.8	50	10.9	35	9.8	18	5.8	4.5
8	56	9.3	48	9.8	36	8.8	20	5.2	-2.5
10	63	12.1	53	9.8	39	8.6	22	5.5	0.4
12	56	10.3	47	7.8	38	7.5	22	4.7	-5.3
14									
16									
18	82	9.6	66	8.6	49	6.8	28	4.2	1.5
20									
22	103	7.1	87	7.8	65	6.4	37	3.9	22.2
MEAN	68	10.3	55	9.7	42	8.7	24	5.5	2.4

MAY 15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	9.5	95	8.6	73	7.3	43	4.5	20.1
2	121	6.8	96	8.4	72	6.3	44	4.0	29.9
4	139	6.6	107	7.9	78	6.2	48	4.1	31.0
6	152	10.1	119	8.8	92	7.3	54	4.7	26.3
8	140	6.6	103	7.0	80	6.0	49	4.2	19.9
10	146	10.3	106	8.0	83	7.6	50	5.4	15.4
12	129	9.6	97	8.4	76	8.0	47	6.3	15.0
14	107	9.0	97	9.9	78	9.3	49	7.1	8.5
16	113	10.5	92	10.3	73	9.3	46	6.8	9.1
18	136	8.4	100	9.0	76	9.1	46	6.9	8.1
20	152	7.9	104	8.1	82	7.6	48	5.0	-7.4
22	129	6.1	99	8.4	79	7.9	47	5.3	-6.9
MEAN	132	8.4	101	8.6	79	7.7	48	5.4	14.1

MAY 16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	9.4	114	8.8	89	8.4	54	6.2	-2.6
2	116	7.4	102	7.2	83	7.3	51	5.8	-8.5
4	145	7.9	125	7.8	90	7.4	53	5.8	-6.2
6	140	8.3	109	7.5	89	7.9	56	6.3	-6.6
8	146	7.4	117	7.7	93	7.9	51	5.3	-0.7
10	152	10.6	117	7.4	95	7.3	59	5.1	-2.0
12	173	7.2	135	7.3	104	7.1	62	5.3	-2.9
14	167	8.0	124	7.4	100	7.3	62	5.6	-6.1
16	137	7.5	113	7.6	91	7.5	54	5.5	-4.6
18	172	6.3	121	7.3	94	7.6	56	5.5	-7.2
20	147	7.5	119	7.8	95	7.1	57	4.8	-7.6
22	163	6.5	138	7.8	114	7.9	73	6.5	-5.1
MEAN	150	7.8	120	7.6	95	7.6	57	5.6	-5.0

MAY 17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	9.3	144	8.3	122	7.9	81	6.8	-7.5
2	187	8.1	155	8.1	126	8.1	76	5.9	-0.8
4	160	5.8	120	7.3	94	6.9	57	4.7	11.7
6	298	4.3	146	5.9	111	6.6	66	4.5	22.3
8	255	3.8	130	6.3	103	6.1	61	4.3	12.5
10	155	7.3	121	6.4	101	6.1	64	4.3	19.6
12	146	5.6	111	6.1	91	6.1	54	4.2	20.1
14	153	6.1	124	6.6	95	6.5	54	4.3	8.0
16	119	4.6	96	6.3	73	6.0	43	4.1	12.1
18	117	6.6	82	6.4	65	5.7	40	3.9	18.4
20	117	8.2	85	6.8	65	6.6	38	4.3	13.9
22	107	6.3	86	7.6	67	7.1	40	4.8	6.5
MEAN	165	6.3	117	6.8	93	6.6	56	4.7	11.4

MAY 18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	7.2	79	8.0	60	7.4	36	5.1	9.2
2	91	8.5	76	7.8	58	7.7	34	5.4	8.1
4	112	8.5	77	8.4	59	8.1	35	5.7	8.7
6	128	8.4	83	7.8	60	7.4	36	5.6	5.8
8	108	6.1	74	7.7	57	7.5	34	5.0	10.5
10	102	9.1	82	7.3	63	7.3	34	4.4	11.8
12	94	5.8	78	7.0	61	6.3	37	4.3	14.4
14	89	7.6	74	7.1	57	6.6	35	4.3	12.4
16	96	9.3	67	6.8	54	6.2	33	4.3	11.5
18	111	6.8	87	7.6	63	6.9	36	4.8	8.6
20	82	7.4	71	7.2	58	7.3	36	5.4	7.3
22	92	8.3	71	7.1	56	7.6	35	5.8	7.8
MEAN	101	7.7	77	7.5	59	7.2	35	5.0	9.7

MAY 19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	77	7.4	60	7.6	47	8.1	29	5.9	3.5
2	70	8.9	66	8.2	56	8.2	34	6.5	8.1
4	69	7.6	59	8.8	46	8.3	28	6.4	6.8
6	83	7.1	60	7.8	45	7.5	26	5.1	3.8
8	80	6.5	66	8.0	53	8.1	33	6.6	8.1
10	86	7.2	60	8.4	46	8.4	27	5.9	4.5
12	67	7.1	61	7.9	48	7.9	25	4.8	7.1
14	72	8.4	57	7.8	44	7.4	26	5.3	9.7
16	69	8.1	57	7.8	45	7.6	27	5.3	7.3
18	61	10.7	52	8.1	41	7.6	24	4.9	1.3
20	70	8.6	58	9.4	46	8.8	28	5.9	4.3
22	61	7.4	52	9.1	40	8.9	24	6.1	5.0
MEAN	72	7.9	59	8.2	46	8.1	28	5.7	5.8

MAY 20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	52	9.4	47	9.9	37	8.8	22	6.1	1.8
2	58	9.3	44	9.1	36	9.0	21	5.8	-1.7
4	58	8.0	47	9.3	37	8.8	23	6.3	0.7
6	69	9.8	56	9.5	47	9.3	29	6.9	6.3
8	60	9.4	53	9.8	41	9.3	25	6.3	0.7
10	81	10.6	56	9.2	42	8.0	24	5.1	2.2
12	71	9.0	52	8.4	39	7.3	22	4.3	-6.3
14	80	6.8	59	8.9	43	7.3	25	4.6	-13.4
16	67	12.1	56	8.1	42	6.7	25	4.1	-14.0
18	77	9.3	65	9.0	50	7.3	30	5.3	-14.6
20	75	6.1	61	7.1	47	7.0	30	5.0	-18.2
22	130	6.8	72	7.6	54	7.6	33	5.3	-13.4
MEAN	73	8.9	56	8.8	43	8.0	26	5.4	-5.8

MAY 21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	67	6.1	57	7.9	45	7.3	28	5.1	-12.5
2	65	10.1	55	7.4	44	7.0	26	4.6	-15.7
4	76	9.0	59	8.9	45	7.8	27	5.3	-10.2
6	71	9.8	57	8.1	42	7.1	24	4.4	-23.9
8	72	7.5	55	7.4	42	6.4	26	4.3	-25.2
10	60	6.2	52	7.2	42	6.9	27	5.2	-18.2
12	74	5.8	55	7.4	45	7.2	29	5.0	-14.4
14									
16									
18	79	8.8	56	8.2	45	7.7	27	5.2	-11.5
20	68	9.6	56	8.9	46	7.6	28	4.9	-9.8
22	104	7.3	89	7.8	73	7.9	41	5.9	-8.0
MEAN	74	8.0	59	7.9	47	7.3	28	5.0	-14.9

MAY 22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	128	11.3	104	8.3	83	8.6	52	6.9	-5.9
2	149	7.1	118	8.2	92	7.9	59	6.3	-7.3
4	232	7.2	159	8.3	121	7.8	71	5.1	13.5
6	338	3.7	211	7.3	154	7.3	93	5.3	18.5
8	347	7.4	195	6.7	137	6.4	81	4.6	13.1
10	239	6.8	169	6.4	135	6.0	85	4.6	19.9
12	246	7.1	181	6.5	142	6.6	89	5.1	18.7
14	211	8.3	184	6.4	149	6.4	95	5.1	24.6
16	223	6.9	178	5.9	144	6.0	92	5.0	24.9
18	219	6.8	194	6.3	158	6.3	100	5.1	21.1
20	232	5.4	188	6.1	150	5.9	94	4.9	22.7
22	225	5.8	197	6.9	158	6.6	98	5.1	20.2
MEAN	232	7.0	173	6.9	135	6.8	84	5.3	15.3

MAY 23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	362	2.8	224	5.8	172	5.9	106	4.8	28.6
2	276	5.9	222	6.3	181	6.3	112	5.0	26.9
4	317	7.8	235	6.3	187	6.0	118	5.1	25.9
6	283	5.9	245	6.4	199	6.6	134	5.5	24.6
8	305	6.8	248	6.8	201	6.3	127	5.1	28.7
10	280	7.4	240	6.4	203	6.6	131	5.5	21.4
12	272	10.5	227	7.6	187	6.6	114	4.9	22.8
14	250	8.4	213	6.5	181	6.3	114	5.3	18.5
16	267	9.8	233	8.8	190	7.5	115	5.5	20.7
18	318	10.1	256	6.8	201	6.6	117	5.5	18.9
20	308	11.8	242	9.3	194	8.1	117	6.2	14.3
22	294	6.0	252	7.4	209	8.3	136	6.6	17.8
MEAN	294	7.8	236	7.0	192	6.8	120	5.4	22.4

MAY 24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	222	8.8	196	8.5	167	7.8	105	6.1	19.1
20	225	10.0	205	9.2	179	8.4	112	6.3	21.0
22	236	7.9	208	9.1	179	8.6	115	6.3	19.8
MEAN	228	8.9	203	8.9	175	8.3	111	6.2	20.0

MAY 25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	320	7.8	224	9.0	181	8.4	110	6.0	23.2
2	249	8.2	210	7.9	174	8.6	107	6.3	21.3
4	242	8.0	203	7.0	170	7.4	113	6.2	19.6
6	200	8.6	178	9.3	150	7.9	90	5.4	24.4
8	258	7.6	195	8.4	159	7.4	103	5.6	19.9
10	224	8.5	189	8.5	159	7.3	97	5.5	22.2
12	229	13.2	194	10.0	158	8.3	101	6.3	19.9
14	234	8.0	184	7.8	152	7.8	90	5.7	20.8
16	240	11.3	196	8.8	169	8.4	105	6.3	23.6
18	203	9.4	173	8.7	139	7.7	85	5.9	20.3
20	206	11.4	176	8.6	137	8.6	83	6.3	19.2
22	216	9.5	181	8.9	139	8.0	82	5.6	21.9
MEAN	235	9.3	192	8.6	157	8.0	97	5.9	21.4

MAY 26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	250	4.4	209	8.4	170	8.5	103	6.3	17.2
2	246	9.9	217	10.0	170	9.5	101	6.6	19.8
4	225	6.1	180	8.9	142	7.7	84	5.4	19.2
6	193	7.9	167	8.4	139	7.8	87	6.1	18.1
8	206	13.3	173	8.8	143	8.0	86	6.0	14.8
10	221	10.9	175	7.8	130	8.5	77	6.1	14.0
12									
14									
16									
18									
20									
22	208	9.2	171	8.8	123	8.8	72	6.8	11.5
MEAN	221	8.8	185	8.7	145	8.4	87	6.2	16.4

MAY 27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	203	6.9	168	8.3	125	7.8	67	5.0	14.4
2	204	7.1	170	7.8	137	7.6	81	5.4	22.6
4	232	10.4	196	7.5	152	8.0	90	5.5	17.3
6	180	10.5	146	6.8	116	6.8	71	4.6	19.4
8	224	7.0	167	6.6	136	6.9	84	5.1	20.1
10	281	4.4	153	6.6	117	6.6	69	4.6	16.1
12	158	7.6	141	8.9	112	7.2	66	4.8	10.5
14	154	8.4	118	7.6	97	7.1	59	4.7	15.1
16	164	6.3	137	8.5	107	7.6	61	4.8	12.2
18	168	6.8	137	6.9	106	6.6	63	4.4	18.3
20	174	8.3	146	7.1	117	6.8	69	4.6	20.6
22	196	6.7	160	6.7	125	6.3	78	4.5	22.9
MEAN	195	7.5	153	7.4	121	7.1	72	4.8	17.5

MAY 28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	239	8.8	169	7.3	131	6.9	81	4.9	24.4
2	253	6.5	193	6.5	148	6.4	91	4.8	19.9
4	204	7.7	176	7.2	150	7.1	93	5.1	19.2
6	189	6.6	165	7.7	142	7.2	87	5.3	8.3
8	281	3.8	160	6.1	128	6.4	81	4.9	12.1
10	210	5.9	167	6.8	134	5.8	83	4.8	14.6
12	252	5.8	196	8.0	151	7.5	88	5.4	8.2
14									
16									
18	250	12.5	198	8.6	156	8.2	94	6.4	8.7
20	237	9.8	198	9.7	163	9.1	97	6.9	3.7
22	254	10.9	224	10.2	196	9.2	120	7.1	4.6
MEAN	237	7.8	185	7.8	150	7.4	92	5.6	12.4

MAY 29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	285	4.6	247	10.0	196	9.5	111	7.1	9.2
2	258	10.0	233	8.6	200	7.9	120	6.7	7.0
4	281	13.3	218	9.0	178	8.3	101	6.5	1.6
6	203	12.3	180	8.4	147	7.4	88	6.6	10.1
8	207	3.6	172	7.0	140	6.7	86	6.0	7.1
10	230	13.0	183	10.0	145	7.8	87	5.8	8.3
12	230	10.9	198	8.5	169	7.1	106	6.0	13.1
14	270	13.4	253	11.9	217	10.7	137	8.3	12.1
16									
18	311	7.0	234	9.8	200	9.3	122	7.2	8.7
20	230	9.1	209	10.1	175	8.1	106	6.6	12.5
22	243	12.8	212	9.8	183	8.9	114	7.7	4.1
MEAN	250	10.0	213	9.4	177	8.3	107	6.8	8.5

MAY 30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	372	6.9	255	10.8	195	9.0	119	6.8	8.5
2	278	11.8	227	8.6	174	8.4	99	5.9	15.6
4	268	12.3	222	9.0	183	8.4	114	6.8	9.5
6	215	14.0	180	10.8	147	7.6	87	5.6	18.2
8	182	5.6	156	7.1	125	6.4	75	5.1	20.3
10	266	3.4	155	8.0	125	6.9	78	5.8	19.0
12	196	3.9	171	7.1	135	6.9	84	5.3	15.1
14	241	7.8	199	8.6	158	7.9	96	5.6	12.7
16	263	10.7	223	9.7	172	8.3	101	5.9	14.4
18	275	9.9	215	7.9	173	7.3	106	5.5	9.6
20	239	6.8	202	10.0	167	7.6	104	5.8	16.3
22	280	5.4	190	7.9	157	6.3	97	5.1	17.9
MEAN	256	8.2	200	8.8	159	7.6	97	5.8	14.8

MAY 31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	239	10.0	204	8.3	167	7.4	106	5.6	12.3
2	259	13.8	200	8.8	167	8.2	98	6.1	8.8
4	251	9.8	216	10.3	177	9.0	110	6.9	12.3
6	253	9.9	183	7.1	155	7.8	100	5.9	10.7
8	602	6.3	198	6.9	143	6.1	87	4.9	19.3
10	177	3.6	139	6.9	114	5.9	71	4.8	6.4
12									
14	237	6.4	194	9.1	168	7.7	105	6.1	7.6
16									
18									
20	252	10.5	205	10.4	174	8.5	110	7.0	12.6
22	241	10.7	212	8.7	181	7.6	108	5.9	15.3
MEAN	279	9.0	195	8.5	161	7.6	99	5.9	11.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 1.1988 TMEAM (SEC)	THETA (DEG)
0	243	6.2	207	9.6	170	9.1	105	7.1	5.8
2	249	11.8	225	9.3	192	9.4	115	7.5	7.2
4	237	12.8	223	9.8	187	8.8	112	6.6	13.4
6	275	11.3	227	9.9	189	9.8	123	7.6	11.6
8	286	5.9	186	9.1	151	7.6	94	5.4	17.6
10	150	7.3	131	8.8	114	6.9	75	5.9	22.1
12	163	11.4	147	8.8	128	7.6	82	5.9	7.7
14	253	12.0	195	10.4	170	9.3	114	6.9	19.5
16	237	9.3	206	7.5	172	8.4	106	6.8	7.9
18	249	10.8	225	10.2	189	9.7	104	6.8	12.5
20	229	10.5	216	9.9	188	9.6	114	6.9	8.8
22	335	7.8	259	9.7	210	9.4	133	7.4	5.9
MEAN	242	9.8	204	9.4	172	8.8	106	6.7	11.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 4.1988 TMEAM (SEC)	THETA (DEG)
0	223	11.0	203	8.6	169	7.7	103	6.2	0.0
2	235	8.5	201	8.6	168	8.6	107	6.8	-8.6
4	233	8.4	203	9.4	163	8.1	100	6.8	-4.3
6	252	6.5	207	7.3	157	7.3	91	5.9	-2.9
8	323	10.4	216	9.5	168	8.5	99	6.3	-0.9
10	218	13.5	169	9.1	139	8.0	85	6.1	-1.3
12	159	9.5	143	7.5	123	6.6	75	5.4	-1.3
14									
16									
18	201	10.8	173	9.4	137	8.1	80	5.6	-1.9
20	199	7.4	167	7.8	125	7.8	74	5.8	2.8
22	286	10.3	177	9.0	131	8.1	79	6.0	1.3
MEAN	233	9.6	186	8.6	148	7.9	89	6.1	-1.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 2.1988 TMEAM (SEC)	THETA (DEG)
0	269	11.7	229	9.1	196	9.0	122	7.5	6.3
2	272	10.7	236	11.2	201	10.3	113	7.5	14.4
4	322	10.5	251	10.6	212	9.8	138	8.3	9.9
6	289	8.8	241	9.6	201	9.4	126	7.6	10.8
8	217	13.0	191	11.8	160	9.6	100	7.0	15.8
10	168	9.6	141	9.1	111	6.8	70	5.8	20.0
12	159	10.3	136	10.1	113	7.8	69	5.9	14.6
14	203	13.8	170	11.3	148	8.6	91	6.8	2.5
16	237	13.3	208	11.4	181	9.2	112	7.1	9.8
18	266	14.8	226	12.4	189	9.8	110	6.9	5.9
20	296	13.0	230	11.9	186	10.8	106	7.8	1.8
22	274	10.8	223	10.6	181	9.0	102	7.3	0.0
MEAN	248	11.7	207	10.8	173	9.2	105	7.1	9.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 5.1988 TMEAM (SEC)	THETA (DEG)
0	204	7.3	155	8.0	116	7.9	67	5.8	-3.4
2	155	8.6	130	7.8	104	8.1	61	5.6	-0.7
4	184	10.3	111	9.1	81	8.3	49	6.1	1.9
6	97	9.4	91	9.4	74	9.1	46	6.9	4.6
8	115	10.3	104	8.7	81	8.8	48	6.9	1.2
10	148	8.4	104	8.6	80	7.9	47	6.3	4.8
12	133	8.8	102	7.2	80	6.9	45	4.6	8.7
14	216	6.2	121	6.5	87	6.3	48	4.3	13.0
16	165	8.1	111	5.8	81	5.5	50	4.0	19.6
18	119	7.4	89	6.3	70	5.3	43	3.7	26.0
20	100	9.0	81	5.1	64	4.9	40	3.6	28.4
22	85	8.0	65	8.9	47	7.3	28	4.5	20.8
MEAN	143	8.5	105	7.6	80	7.2	48	5.2	10.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 3.1988 TMEAM (SEC)	THETA (DEG)
0	231	8.6	201	10.1	164	8.9	95	6.8	15.8
2	243	11.2	219	8.3	186	9.6	103	6.8	-2.6
4	241	8.9	218	10.7	183	10.1	112	7.6	0.3
6	230	11.4	204	11.2	169	8.4	98	6.3	1.7
8	212	6.8	179	10.0	153	9.0	97	6.7	-3.4
10	160	6.6	133	8.7	115	6.8	70	5.3	-3.8
12	145	3.6	128	7.3	108	6.9	68	5.6	-4.8
14	177	9.3	151	8.0	126	7.2	79	5.9	-2.6
16	209	11.8	175	10.3	144	8.2	89	6.4	-5.2
18	238	8.2	213	9.8	167	9.1	99	6.8	2.6
20	247	10.7	200	9.2	162	8.6	95	6.3	-5.9
22	210	8.8	184	9.4	151	8.1	90	6.3	-2.4
MEAN	212	8.8	184	9.4	152	8.4	91	6.4	-0.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 6.1988 TMEAM (SEC)	THETA (DEG)
0	84	9.8	66	10.4	52	8.8	30	5.8	15.7
2									
4	77	9.4	65	8.8	52	8.9	32	6.3	13.9
6	75	7.2	61	7.6	48	8.1	30	5.9	12.8
8	99	5.3	69	8.4	53	8.2	31	5.8	11.9
10	91	9.1	79	9.8	65	8.8	38	5.8	15.2
12	119	9.3	94	7.5	74	7.1	43	4.6	15.2
14									
16	129	5.4	93	5.9	67	5.6	40	4.0	-1.4
18	94	8.8	71	7.4	56	6.6	34	4.4	-4.5
20	89	7.8	66	8.6	53	7.3	31	4.6	-9.7
22									
MEAN	95	8.0	74	8.3	58	7.7	34	5.2	7.7

JUN. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	74	7.6	62	9.4	46	8.6	28	5.9	4.8
2	83	9.9	74	9.3	60	8.6	36	6.1	2.8
4	91	11.3	77	10.6	62	8.5	36	6.1	3.1
6	85	9.8	65	8.8	48	7.2	28	5.0	-1.8
8	93	12.0	72	8.6	56	8.0	34	5.9	-0.2
10	95	7.1	71	8.3	54	7.2	31	4.7	-1.3
12	87	7.3	65	7.1	48	6.8	30	4.8	-1.9
14	100	4.9	79	8.6	60	7.1	34	4.8	0.4
16	94	9.8	78	9.2	56	7.9	32	4.9	-2.0
18	131	11.0	84	9.6	60	7.1	34	4.7	-1.8
20									
22	108	10.6	86	9.5	69	8.9	40	6.4	7.1
MEAN	95	9.2	74	9.0	56	7.8	33	5.4	0.8

JUN.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	180	5.6	123	9.1	92	9.4	51	6.1	13.4
4	188	11.1	134	8.8	97	8.3	54	5.8	15.0
6	155	6.7	123	7.3	91	7.3	50	5.6	15.1
8	199	10.5	130	9.5	93	8.1	51	5.7	14.7
10	166	5.1	134	7.4	96	8.7	53	6.2	10.7
12	162	6.3	121	9.1	86	9.8	46	6.4	13.6
14	141	11.8	109	9.4	82	8.6	46	5.8	15.0
16	118	8.6	96	8.0	73	7.2	43	4.6	15.1
18	200	6.3	128	7.9	95	7.6	54	5.4	7.9
20	195	10.9	136	8.6	95	7.1	54	4.9	16.7
22	224	5.1	144	7.6	106	6.3	65	4.4	26.2
MEAN	175	8.0	125	8.4	91	8.0	52	5.5	14.9

JUN. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	5.6	79	8.9	57	8.5	33	6.3	5.7
2	103	7.6	91	9.3	70	8.8	37	6.1	6.2
4	78	6.1	64	9.5	51	8.9	31	6.3	-1.5
6	80	9.6	61	9.0	49	8.7	29	5.9	0.3
8	72	10.7	63	9.4	48	8.1	28	5.3	-2.1
10	83	8.9	60	9.8	44	8.3	26	5.2	-2.9
12	64	9.9	53	8.8	38	6.3	20	3.4	-8.3
14	83	5.2	65	8.0	49	6.8	29	4.3	-7.5
16	88	10.3	69	8.7	50	6.7	27	4.1	-6.1
18	84	8.8	66	8.5	46	7.2	25	4.3	-1.2
20	65	9.3	52	9.5	37	7.6	21	4.8	2.8
22	81	9.5	56	9.8	41	8.1	24	5.1	-6.5
MEAN	83	8.5	65	9.1	48	7.8	28	5.1	-1.8

JUN.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	9.6	135	7.3	109	6.6	65	4.6	22.3
2	283	5.4	130	6.2	98	6.1	60	4.5	25.4
4	147	6.6	121	7.1	100	6.8	59	4.8	19.3
6	149	9.2	126	6.9	102	6.5	65	5.1	22.7
8	173	8.3	142	6.8	113	6.9	69	5.2	25.1
10	180	9.8	134	6.2	108	6.3	68	5.3	21.3
12	183	7.4	139	7.3	104	6.9	61	5.1	23.8
14	138	5.9	114	7.1	86	6.9	51	4.7	21.1
16	159	9.3	118	8.0	96	7.5	57	5.1	12.7
18	148	4.6	116	7.5	90	7.1	55	5.1	16.4
20	132	9.8	114	7.1	89	6.8	52	4.8	15.0
22	148	9.4	120	7.3	95	6.9	57	4.9	17.3
MEAN	169	7.9	126	7.1	99	6.8	60	4.9	20.2

JUN. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	67	9.5	59	8.9	44	8.0	25	5.3	-2.7
2	65	11.6	54	8.9	42	7.8	25	5.0	-2.9
4	107	7.1	79	8.5	57	6.6	34	4.4	-4.3
6	77	9.9	56	8.5	43	6.5	26	4.3	-6.7
8	87	8.8	64	9.2	48	8.9	29	5.8	2.5
10	106	13.0	72	10.0	52	8.9	30	5.9	4.3
12									
14	98	11.8	76	8.6	57	7.6	35	5.3	3.9
16									
18	113	7.3	84	8.0	66	7.1	40	4.8	4.9
20									
22									
MEAN	90	9.9	68	8.8	51	7.7	31	5.1	-0.1

JUN.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	7.4	122	7.1	99	6.8	61	4.8	21.8
2	142	6.9	113	7.1	84	6.6	50	4.6	19.9
4	184	4.3	122	6.6	90	6.4	52	4.0	29.1
6	156	8.7	123	7.2	94	6.0	56	4.3	20.8
8	120	6.8	102	4.9	80	5.3	48	3.9	22.3
10	147	9.3	109	6.2	84	5.2	52	4.1	18.7
12	189	2.9	117	5.6	88	5.2	55	3.8	24.8
14	186	6.1	117	6.1	86	5.6	53	4.1	23.0
16	137	5.7	85	6.4	66	5.3	41	3.6	20.2
18	166	3.7	103	5.8	79	5.3	47	3.8	23.8
20	128	5.8	102	5.4	79	4.8	49	3.6	24.0
22	127	7.1	104	6.1	82	5.6	49	3.8	21.4
MEAN	156	6.2	110	6.2	84	5.7	51	4.0	22.5

JUN.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	128	5.1	96	6.3	79	5.9	49	4.2	17.3
2	135	4.9	111	6.5	86	6.1	53	4.3	19.6
4	168	6.0	112	6.0	83	5.3	50	3.8	15.8
6									
8	154	7.3	113	5.9	89	5.5	54	4.1	12.2
10	246	4.1	138	6.5	103	6.0	64	4.6	18.6
12	161	7.1	125	6.6	103	6.9	67	5.4	12.9
14	196	9.5	142	7.2	107	7.1	65	5.5	7.2
16	133	6.3	109	7.6	86	7.4	52	5.6	9.0
18	121	7.3	103	7.8	79	7.9	48	5.6	8.4
20	139	8.6	99	7.3	75	7.1	41	5.1	8.1
22	164	3.1	114	6.8	90	7.6	53	5.6	6.6
MEAN	159	6.3	115	6.8	89	6.6	54	4.9	12.3

JUN.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	152	7.8	118	7.5	94	7.9	59	6.4	6.4
2	110	11.0	93	8.1	77	7.6	51	6.2	4.8
4	150	9.8	122	8.9	90	8.8	53	6.3	3.5
6	148	5.6	117	7.6	84	7.9	50	5.8	7.0
8	154	5.9	125	7.6	98	6.8	56	5.1	14.8
10	150	10.3	127	8.8	105	6.8	62	5.3	18.6
12	178	8.7	144	8.6	114	7.3	67	5.8	6.5
14	161	8.9	130	7.6	98	7.6	55	5.6	10.2
16	156	10.5	125	8.8	98	8.1	55	5.2	0.1
18	132	9.8	109	8.4	86	7.8	51	5.4	2.4
20	168	9.4	120	9.5	92	8.6	54	6.6	0.9
22	113	8.7	95	8.7	78	8.1	46	6.1	4.7
MEAN	148	8.9	119	8.3	93	7.8	55	5.8	6.7

JUN.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	106	7.6	88	8.2	74	8.8	44	6.3	5.8
2	121	8.6	102	7.8	83	7.6	50	5.6	4.8
4	186	7.6	130	7.9	92	7.7	51	5.1	5.4
6	128	8.5	103	9.9	83	8.1	52	6.1	4.7
8	165	12.0	120	7.0	87	6.8	51	5.3	12.4
10	137	4.1	112	5.9	84	6.0	47	4.8	17.6
12	148	12.3	120	7.8	83	6.9	46	4.8	10.9
14	144	12.3	117	9.0	88	8.2	52	5.8	9.0
16	162	10.6	129	7.6	100	6.8	59	4.5	30.6
18	166	6.3	124	5.9	94	5.1	58	3.7	28.4
20	182	3.2	139	5.8	104	5.1	64	4.0	28.8
22	165	7.5	130	6.5	105	6.3	67	4.8	23.3
MEAN	151	8.4	118	7.4	90	6.9	53	5.1	15.1

JUN.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	184	8.3	129	6.5	100	6.1	60	4.3	24.7
2	223	7.0	179	6.6	129	7.3	74	5.1	19.2
4	258	11.1	178	8.4	131	7.5	75	5.3	20.2
6	209	11.6	177	8.2	129	7.4	72	5.3	18.9
8	179	10.3	163	9.1	138	7.5	77	5.8	15.2
10									
12	141	12.9	127	9.1	108	7.0	65	5.9	18.8
14	200	12.1	166	10.0	126	7.4	70	5.7	20.6
16	226	10.2	190	8.6	142	7.6	79	5.4	16.1
18	237	11.4	184	9.0	136	7.6	74	5.4	17.0
20	207	12.6	173	9.1	131	7.8	73	5.6	20.0
22	213	8.0	145	7.4	110	7.1	63	5.0	9.6
MEAN	207	10.5	165	8.4	125	7.3	71	5.3	18.2

JUN.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	5.3	173	7.4	122	7.7	68	5.4	15.7
2	206	8.9	147	8.4	114	8.2	67	6.0	12.7
4	208	11.3	148	9.3	110	8.4	64	6.0	10.2
6	230	10.7	135	9.4	104	8.3	58	5.7	4.5
8	200	9.5	152	7.6	113	7.8	63	5.4	11.9
10	160	8.5	140	7.6	109	6.6	63	5.2	12.2
12	139	4.3	122	7.3	101	6.2	59	4.9	14.9
14									
16	171	10.1	148	8.1	112	7.9	69	6.4	6.1
18	203	5.8	165	6.9	127	7.5	75	6.0	6.1
20	191	5.7	154	7.8	125	7.4	75	6.3	3.3
22	172	6.4	140	7.9	115	7.9	75	6.6	4.3
MEAN	190	7.9	148	8.0	114	7.6	67	5.8	9.3

JUN.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	202	9.6	159	8.3	130	8.3	77	6.4	-0.3
2	202	10.8	161	9.3	125	7.8	73	6.1	2.5
4	215	8.7	174	9.0	133	8.4	80	6.8	6.5
6	241	9.8	195	9.0	141	8.8	80	6.8	8.0
8	250	10.3	199	9.3	163	8.7	97	7.1	11.6
10									
12									
14									
16									
18									
20									
22									
MEAN	222	9.8	178	9.0	138	8.4	81	6.6	5.7

JUN.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	244	11.0	212	9.5	166	9.0	89	6.6	7.3
20	227	9.3	166	7.8	126	8.3	73	6.6	3.8
22	204	10.4	174	7.8	128	8.1	66	5.7	6.6
MEAN	225	10.2	184	8.4	140	8.5	76	6.3	5.9

JUN.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	230	6.7	169	9.1	128	8.1	75	6.2	16.3
2	202	10.6	164	8.9	120	7.3	66	5.0	13.7
4	206	5.2	154	7.9	105	7.0	61	4.9	15.8
6	138	7.5	111	8.6	84	7.1	48	4.9	10.7
8	142	9.6	116	8.6	87	7.9	51	5.4	11.9
10	134	6.3	113	7.3	92	8.2	54	6.1	11.8
12	135	9.8	109	7.6	87	7.1	52	5.7	12.3
14	126	8.6	113	7.3	89	6.8	48	5.2	15.1
16	147	10.1	120	7.6	93	7.3	53	5.8	9.8
18	147	7.6	105	8.1	79	7.4	42	4.6	11.3
20	165	9.5	99	7.0	76	5.9	47	3.9	22.9
22	152	6.3	113	7.5	82	5.9	48	4.0	23.7
MEAN	160	8.1	124	8.0	94	7.2	54	5.1	14.6

JUN.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	188	6.4	115	5.8	86	5.3	53	3.8	20.5
2	179	4.5	108	5.8	80	5.1	49	3.8	19.7
4	142	8.2	114	5.6	89	5.1	57	3.8	21.1
6	289	5.6	112	5.4	86	5.0	53	3.7	31.5
8	184	3.7	103	5.2	79	5.1	49	3.8	26.4
10	193	3.3	99	6.5	74	5.5	44	3.8	20.1
12	136	6.5	114	5.4	92	5.2	56	3.8	25.7
14	134	6.3	103	5.7	81	5.1	50	3.8	26.2
16	119	5.6	100	5.3	81	5.0	50	3.8	27.6
18	168	4.3	110	4.8	82	4.8	52	3.6	29.9
20	262	3.3	125	4.6	87	4.8	53	3.6	30.2
22	106	4.6	82	5.3	63	4.5	41	3.4	27.0
MEAN	175	5.2	107	5.4	82	5.0	51	3.7	25.5

JUN.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	159	6.8	90	6.6	67	5.6	41	3.7	26.5
2	106	8.8	90	6.8	72	5.9	44	4.2	16.1
4									
6	97	6.5	81	6.5	65	5.9	40	4.0	17.5
8	131	5.3	99	6.0	79	5.9	52	4.3	23.5
10	117	6.8	96	6.5	75	5.5	45	3.8	23.0
12	138	8.1	101	6.6	77	5.8	48	4.1	18.4
14	145	7.0	107	6.1	80	5.6	46	3.8	19.0
16	125	7.8	97	5.8	77	5.8	46	3.9	17.9
18	126	7.8	112	6.6	85	6.8	48	4.4	10.5
20	123	8.7	101	7.9	77	7.2	45	4.8	8.5
22	105	7.2	82	7.7	64	7.1	39	4.9	6.8
MEAN	125	7.3	96	6.6	74	6.1	45	4.2	17.1

JUN.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	117	7.1	95	7.8	76	7.6	46	5.6	6.2
2	118	7.5	100	7.3	80	7.3	47	5.6	1.7
4	115	10.0	89	8.4	71	7.4	44	5.8	3.7
6	122	5.4	89	7.4	68	7.1	40	5.2	1.6
8	108	8.3	86	7.3	65	6.8	38	4.9	1.7
10	101	6.7	75	7.4	62	7.1	39	5.4	5.2
12	122	10.1	91	8.9	66	8.0	39	5.6	2.2
14	119	6.4	77	7.0	59	6.6	36	4.5	-0.7
16	103	7.7	83	7.6	62	6.6	36	4.6	1.5
18	124	7.5	89	7.3	66	7.1	36	4.5	2.0
20	103	7.6	79	7.5	59	7.6	35	5.1	-0.9
22	82	9.3	67	8.3	54	7.9	33	5.9	1.5
MEAN	111	7.8	85	7.7	66	7.3	39	5.2	2.1

JUN.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	92	9.4	68	7.7	54	7.3	34	5.7	1.2
2									
4	112	8.3	75	7.3	59	7.8	35	5.7	-0.1
6	97	6.9	79	7.1	63	7.4	38	5.5	0.7
8	106	6.6	80	7.4	61	7.0	37	4.9	-0.6
10	103	8.7	81	6.4	62	6.5	37	4.9	-1.5
12	91	12.8	78	7.4	59	7.6	36	5.3	-2.7
14	97	4.0	78	5.9	60	6.3	35	4.4	-3.6
16	107	9.8	84	8.0	61	7.3	36	5.0	0.5
18	94	8.0	72	8.4	59	7.6	37	5.7	-1.1
20	79	7.1	64	7.4	51	6.9	31	5.1	-3.6
22	77	4.8	69	7.1	59	7.3	37	5.1	-6.6
MEAN	96	7.9	75	7.3	59	7.2	36	5.2	-1.6

JUN.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	100	8.2	75	7.4	60	6.6	38	5.1	-6.2
2	102	7.8	81	7.1	65	6.8	41	5.2	-4.6
4	118	5.8	91	6.9	70	6.0	42	4.8	-5.4
6	128	5.1	90	6.7	73	6.9	44	5.2	3.2
8	123	6.8	93	6.3	72	6.4	44	4.6	-4.3
10	140	6.4	114	6.7	91	6.2	55	5.1	-0.7
12	171	7.2	129	7.0	100	6.4	59	4.9	-5.9
14	158	4.9	117	6.4	94	6.5	58	5.1	-3.9
16									
18	184	5.7	144	6.6	109	6.6	66	4.9	-5.4
20	166	5.3	132	7.1	106	6.8	66	5.3	-6.1
22	183	6.3	146	6.7	116	6.7	71	5.3	-2.4
MEAN	143	6.3	110	6.8	87	6.5	53	5.0	-3.8

JUN.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	198	6.8	150	6.8	116	6.4	67	4.6	-3.1
2	181	5.4	147	6.5	116	6.9	70	5.0	0.1
4	208	7.6	159	5.7	125	5.6	74	4.3	7.6
6	185	2.8	150	5.1	121	5.6	76	4.6	6.5
8	184	9.5	141	6.4	116	5.9	71	4.8	4.7
10	198	8.6	156	6.1	124	5.8	73	4.7	9.0
12	198	7.2	155	7.5	117	6.4	67	4.8	-1.3
14	179	6.1	141	6.5	115	6.5	71	4.8	3.5
16	205	6.8	154	6.3	119	6.3	70	4.8	0.7
18	244	7.3	190	7.1	146	6.8	86	5.3	2.9
20	189	8.8	162	7.3	136	6.7	82	5.0	3.7
22	236	6.5	194	8.4	154	7.1	92	5.5	7.2
MEAN	200	6.9	158	6.6	125	6.3	75	4.8	3.5

JUN.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	226	4.9	170	6.4	126	6.9	75	5.0	10.1
2	208	10.5	166	7.3	127	6.9	75	5.2	5.8
4	220	7.1	182	9.3	151	7.8	95	6.0	0.4
6	190	10.7	157	8.8	129	7.6	82	5.6	0.9
8	333	4.5	153	8.3	121	7.5	78	5.5	3.1
10	200	12.6	153	9.7	123	7.5	76	5.3	6.8
12	235	7.0	178	8.1	152	8.0	104	6.4	3.2
14	228	6.4	195	8.6	165	7.5	104	5.9	3.7
16	339	8.0	233	8.8	181	8.0	110	6.3	7.0
18	253	9.3	196	8.5	163	7.9	102	5.8	7.9
20	228	4.1	182	8.4	154	7.3	100	5.6	5.9
22	286	9.4	220	9.1	175	8.1	112	6.3	5.2
MEAN	246	7.9	182	8.4	147	7.6	93	5.7	5.0

JUN.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	194	13.8	180	9.5	155	8.2	101	6.0	6.6
2	230	10.3	199	8.3	164	7.2	102	5.4	8.8
4	233	12.7	188	9.0	151	8.1	95	6.0	9.6
6	202	8.5	163	9.7	132	8.4	82	6.0	2.2
8	174	10.8	155	10.3	119	8.0	70	5.9	6.4
10	181	14.5	148	10.4	115	8.4	69	5.8	8.8
12	200	12.3	165	10.8	132	8.8	87	6.6	6.3
14	268	7.8	206	8.8	163	6.9	100	5.5	12.8
16	292	11.6	228	10.4	186	9.3	118	6.5	15.7
18	281	5.8	226	10.1	186	9.2	120	6.9	7.1
20	241	10.3	192	10.2	160	9.8	104	6.9	7.8
22	206	8.3	192	9.8	162	9.0	107	6.9	1.5
MEAN	225	10.6	187	9.8	152	8.4	96	6.2	7.8

JUN.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	287	6.3	238	11.5	192	9.6	120	7.2	9.8
2	246	10.0	211	10.1	176	9.5	111	6.8	13.9
4	232	7.6	198	9.6	171	9.1	109	7.1	10.4
6	207	15.1	161	10.5	135	9.2	86	6.8	10.9
8	185	14.6	150	12.0	122	9.9	73	6.4	20.5
10	149	11.3	125	10.4	105	8.6	67	6.1	15.9
12	183	7.6	158	10.5	126	9.5	75	6.5	8.0
14	264	14.0	213	12.0	168	9.7	104	7.1	8.5
16	208	13.5	192	12.2	166	9.3	104	7.1	2.7
18	283	8.1	225	10.8	187	9.8	114	7.3	11.9
20	234	14.0	198	8.5	162	8.3	93	6.3	7.6
22	247	11.1	196	9.8	162	8.9	97	6.5	8.8
MEAN	227	11.1	189	10.7	156	9.3	96	6.8	10.7

JUN.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	218	3.2	194	8.3	169	8.8	102	6.6	8.6
2	224	14.2	203	10.4	173	8.4	105	7.1	8.9
4	226	8.7	207	10.0	179	8.0	109	6.6	10.7
6	204	8.9	162	9.6	138	8.3	81	5.9	9.6
8	143	11.4	124	9.8	105	9.2	67	6.1	27.3
10									
12									
14									
16									
18									
20									
22									
MEAN	203	9.3	178	9.6	153	8.5	93	6.5	13.0

JUL. 1,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	7.1	186	6.8	151	6.6	97	4.9	16.1
2	274	6.6	207	7.5	163	6.5	104	5.0	15.3
4	287	7.4	209	7.5	168	6.9	110	5.1	12.9
6	284	9.7	217	6.8	165	6.5	102	4.9	19.1
8	176	1.9	144	6.3	118	6.6	77	4.9	23.8
10	121	6.3	105	8.1	87	6.8	56	4.8	25.8
12	132	13.0	112	10.8	95	8.1	61	5.5	25.4
14	159	9.7	139	10.1	119	8.2	83	6.0	23.6
16	226	9.3	187	8.3	158	7.9	106	6.0	21.0
18	207	7.4	183	8.1	158	7.5	111	6.2	21.2
20	204	10.6	173	8.3	150	7.4	101	5.8	20.4
22	247	11.1	180	7.6	144	7.1	92	5.4	16.3
MEAN	215	8.3	170	8.0	140	7.2	92	5.4	20.1

JUL. 2,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	180	8.3	151	7.9	135	7.7	93	5.9	23.0
2	183	6.5	170	8.0	151	7.6	103	5.8	19.3
4	221	8.7	189	7.6	162	6.8	106	5.5	16.9
6	207	8.3	178	7.8	152	7.3	102	5.6	22.3
8									
10									
12									
14									
16									
18									
20	171	9.3	159	7.8	140	7.3	92	5.3	26.7
22									
MEAN	192	8.2	169	7.8	148	7.3	99	5.6	21.6

JUL. 3,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	200	8.5	143	7.6	119	6.8	76	4.9	31.2
2	242	6.8	151	7.2	125	6.6	78	5.1	26.5
4	192	8.1	161	7.6	136	6.4	82	4.9	26.1
6	275	5.6	168	6.6	133	5.9	81	4.9	22.1
8	177	6.3	145	6.9	119	6.4	74	5.1	27.6
10	155	9.4	110	6.6	89	5.8	56	4.6	29.8
12	108	6.1	85	7.7	70	5.7	42	4.4	30.2
14	109	9.1	99	6.7	86	6.3	54	4.8	25.2
16	155	11.3	128	6.9	107	6.5	66	5.0	23.4
18	161	4.3	145	7.4	123	6.7	76	5.4	23.1
20	172	7.1	151	6.3	123	6.4	77	5.4	21.7
22	150	7.6	136	7.1	114	6.5	65	5.3	23.1
MEAN	175	7.5	135	7.0	112	6.3	69	5.0	25.8

JUL. 4,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	162	3.3	140	6.9	122	6.6	75	5.4	24.0
2	173	11.5	140	6.7	117	6.3	71	5.2	28.1
4	194	7.3	153	7.3	125	6.1	69	5.1	20.2
6	170	5.5	143	6.6	104	7.1	57	4.8	22.6
8	182	6.1	147	6.8	114	6.3	64	5.2	21.1
10	141	10.8	114	6.6	89	5.3	51	4.5	30.3
12	114	6.6	98	7.4	81	5.3	47	4.2	34.1
14	109	3.9	90	4.4	74	4.1	45	3.8	21.3
16	154	4.8	110	5.1	84	4.9	52	4.1	21.1
18	160	9.5	125	5.4	96	5.1	58	4.2	20.9
20	207	5.0	133	5.3	93	4.9	56	3.8	23.5
22	171	10.4	146	5.9	117	5.4	67	4.3	21.9
MEAN	161	7.1	128	6.2	101	5.6	59	4.5	24.1

JUL. 5,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	3.9	112	5.1	85	5.3	50	4.3	20.7
2	145	5.2	117	6.1	88	5.3	51	4.2	18.6
4	151	5.3	105	6.3	81	6.7	48	4.6	15.4
6									
8	148	3.5	105	5.7	80	5.8	47	4.1	18.3
10	149	10.2	109	6.9	76	6.0	44	4.3	19.7
12	145	2.3	114	4.4	90	4.5	51	4.4	12.4
14	139	5.6	101	5.5	79	4.6	47	4.2	12.1
16	141	3.4	114	6.3	90	5.4	54	4.8	15.4
18	140	3.3	114	5.1	84	5.9	51	4.8	7.5
20	147	10.8	96	6.3	70	6.6	42	4.7	11.6
22	145	6.8	100	6.3	72	7.1	41	5.1	14.1
MEAN	144	5.5	108	5.8	81	5.7	48	4.5	15.1

JUL. 6,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	128	4.6	94	5.1	72	5.8	42	4.8	10.0
2	152	3.9	123	6.1	92	5.8	51	4.8	6.8
4	141	3.1	114	5.4	80	5.6	45	4.6	8.3
6	150	6.8	116	5.1	80	6.3	44	4.8	11.3
8	118	3.9	90	5.8	69	7.5	40	5.4	5.8
10	165	1.9	101	5.8	76	5.8	44	5.0	12.5
12	119	3.1	83	4.1	60	5.4	35	4.6	7.7
14	117	3.3	87	3.9	67	5.1	39	4.5	9.4
16	105	3.8	85	4.2	63	5.3	39	4.8	6.0
18	97	3.9	82	5.5	65	6.9	41	5.6	11.5
20	75	8.9	63	7.0	52	7.9	34	6.1	7.1
22	94	6.4	73	7.2	55	7.5	33	5.6	8.6
MEAN	122	4.5	93	5.4	69	6.2	41	5.0	8.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 7.1988 TMEAM (SEC)	THETA (DEG)
0	118	3.4	86	7.0	65	6.9	38	5.6	9.2
2	176	8.0	97	6.8	71	6.6	41	5.5	12.9
4	177	3.8	110	4.4	74	5.3	42	5.0	11.6
6	118	8.2	85	6.3	61	6.2	35	4.9	15.8
8	116	4.9	90	6.5	69	7.1	41	5.8	9.4
10	83	3.8	67	6.1	52	7.0	30	5.1	6.1
12	111	3.1	83	6.0	61	6.1	36	5.0	7.7
14	130	9.7	88	5.7	62	6.2	34	4.6	6.3
16	119	3.9	89	4.8	63	6.1	36	4.8	6.9
18	145	7.4	90	6.1	62	6.8	36	5.3	3.4
20	84	9.6	67	7.5	53	8.5	32	6.3	5.2
22	88	6.7	78	8.4	62	8.5	37	6.3	3.8
MEAN	122	6.0	86	6.3	63	6.8	37	5.3	8.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL.10.1988 TMEAM (SEC)	THETA (DEG)
0	130	8.8	103	7.3	78	7.1	47	5.4	5.8
2	120	8.6	108	8.0	90	7.2	51	5.5	7.8
4	140	6.8	113	5.5	81	5.9	45	4.9	6.1
6	111	3.5	93	4.2	70	4.6	40	4.4	6.0
8	107	5.0	94	5.1	73	5.1	40	4.6	2.7
10	104	8.1	80	5.7	62	5.9	36	5.1	4.8
12	125	3.3	85	5.0	59	6.7	35	5.4	3.5
14	68	8.3	59	6.8	48	6.9	29	5.1	1.1
16									
18	93	5.8	67	7.1	48	7.8	28	5.4	5.2
20	99	11.6	72	7.3	55	7.3	31	5.3	7.1
22	95	10.5	72	7.8	53	8.2	30	5.9	5.9
MEAN	108	7.3	86	6.3	65	6.6	37	5.2	5.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 8.1988 TMEAM (SEC)	THETA (DEG)
0	89	9.5	79	6.4	62	7.1	36	5.5	3.5
2									
4	116	10.8	100	5.5	70	6.1	39	5.1	2.1
6	124	6.0	84	5.1	63	6.1	37	4.8	2.6
8	125	8.3	96	5.3	67	6.3	39	5.1	-0.9
10	141	6.4	96	6.1	69	6.2	40	4.8	-1.0
12	103	6.6	88	5.5	68	6.6	40	5.1	-0.7
14	132	3.8	106	6.3	78	6.6	45	5.1	3.0
16	144	7.8	101	5.9	72	6.4	42	5.1	0.9
18	132	4.4	83	6.6	59	6.5	33	4.9	1.7
20	92	8.9	74	7.8	57	7.3	35	5.5	3.8
22	100	4.8	86	8.0	66	7.4	38	5.5	1.6
MEAN	118	7.0	90	6.2	66	6.6	39	5.1	1.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL.11.1988 TMEAM (SEC)	THETA (DEG)
0	190	7.3	89	9.0	60	8.3	35	6.1	6.0
2	95	5.3	67	7.1	52	8.0	32	6.1	7.2
4	101	6.6	73	6.9	53	6.8	30	5.5	8.7
6	141	3.3	77	4.0	51	5.0	29	4.2	8.9
8	124	2.8	87	4.3	65	4.6	37	4.3	10.1
10	110	5.2	98	4.8	75	5.3	42	4.8	14.0
12	133	5.9	101	5.8	74	6.4	41	5.1	15.5
14	116	8.2	99	8.3	73	7.8	45	6.5	12.6
16	138	7.3	102	7.1	76	7.8	44	6.0	12.4
18	153	8.4	99	7.4	69	7.9	38	5.8	13.4
20	124	8.3	97	7.6	73	7.1	43	6.3	13.4
22	135	2.7	101	7.3	76	7.7	46	6.1	12.3
MEAN	130	5.9	91	6.6	66	6.9	39	5.6	11.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. 9.1988 TMEAM (SEC)	THETA (DEG)
0	129	6.8	104	7.3	82	7.4	48	6.3	6.5
2	151	8.8	116	7.0	84	7.1	47	5.7	4.5
4	128	5.5	109	5.5	82	5.5	45	4.8	0.3
6	110	7.4	91	5.1	66	5.3	35	4.3	7.9
8	147	9.9	110	5.8	76	5.5	43	4.8	5.2
10	123	6.1	104	5.5	76	6.3	42	5.3	4.9
12	149	5.7	117	5.9	84	6.8	47	5.6	5.8
14									
16									
18									
20	134	8.1	106	7.1	80	6.7	47	5.4	4.0
22	127	5.5	104	7.7	78	7.1	44	5.4	5.8
MEAN	133	7.1	107	6.3	79	6.4	44	5.3	5.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL.12.1988 TMEAM (SEC)	THETA (DEG)
0	170	9.1	119	8.7	84	8.0	48	6.4	13.9
2	171	7.4	118	7.3	82	7.6	47	6.1	21.8
4	151	4.8	107	6.7	78	7.4	43	5.6	22.1
6	156	3.6	121	5.6	93	6.1	51	5.2	24.0
8	116	9.5	95	6.1	78	5.6	45	4.7	15.5
10	122	9.3	97	6.2	82	5.8	47	4.6	20.1
12	142	5.8	117	6.9	99	5.3	55	4.7	19.2
14	170	7.6	137	5.8	95	6.9	52	5.4	11.2
16	200	9.8	144	6.9	100	7.3	54	5.4	10.4
18	188	7.1	157	7.5	114	6.9	63	5.8	16.0
20	186	4.9	144	6.8	107	6.4	58	5.2	11.8
22	154	10.3	125	7.6	92	7.4	55	5.9	9.8
MEAN	161	7.4	123	6.8	92	6.7	52	5.4	16.3

JUL.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	191	10.1	149	8.0	104	6.8	57	5.3	11.3
2	209	10.6	150	7.8	106	7.9	61	6.2	13.5
4	169	9.9	131	8.4	91	7.6	52	5.1	20.3
6	174	8.1	141	7.8	112	6.1	65	4.9	12.6
8	148	10.4	101	6.9	83	6.4	51	4.9	21.3
10	104	5.6	91	8.6	76	6.9	46	4.8	12.8
12	119	7.9	108	7.8	91	5.9	55	4.8	15.5
14	168	5.9	141	7.7	107	5.8	62	5.0	17.4
16	232	9.1	157	7.4	114	6.4	62	4.6	14.5
18	229	5.3	157	6.8	118	6.1	68	4.8	15.9
20	161	10.6	142	6.8	116	5.9	71	4.9	15.7
22	184	6.1	149	7.0	119	6.2	69	4.6	14.3
MEAN	174	8.3	135	7.6	103	6.5	60	5.0	15.4

JUL.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	5.3	149	5.6	112	5.3	65	4.3	15.6
2	231	7.1	162	7.1	116	6.4	64	4.7	13.1
4	219	6.3	146	6.8	109	6.1	64	4.6	16.2
6	181	12.0	139	6.9	108	5.8	61	4.6	23.7
8	160	7.3	120	7.8	95	6.3	57	4.8	12.4
10	147	11.7	116	8.4	90	6.6	54	5.0	26.2
12	132	11.6	111	8.1	92	6.6	55	4.9	20.4
14	167	6.8	141	7.9	114	6.1	67	5.1	17.8
16	176	6.3	136	6.4	97	6.4	56	5.6	13.5
18	211	9.3	157	8.3	113	7.1	63	5.3	9.1
20	172	11.1	139	6.4	108	6.3	61	5.1	9.8
22	155	10.1	139	6.8	109	5.8	61	4.8	6.6
MEAN	181	8.7	138	7.2	105	6.2	61	4.9	15.4

JUL.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	181	8.9	134	7.3	97	6.4	54	4.6	12.6
2	199	11.3	162	7.4	111	7.1	60	5.1	8.8
4	182	9.5	157	7.9	123	7.5	71	5.6	15.9
6	203	5.2	162	6.3	119	6.4	66	5.4	12.3
8	155	10.1	136	9.4	110	6.7	64	5.3	13.9
10	117	4.7	95	5.8	79	5.8	47	4.5	7.5
12	113	9.9	96	8.4	84	7.0	52	5.1	11.8
14	146	8.8	120	7.6	99	6.6	58	5.3	11.3
16	172	9.8	134	7.8	101	7.8	59	6.1	11.7
18	186	10.3	138	6.9	98	6.5	52	5.3	10.0
20	203	6.7	148	8.1	108	7.4	65	6.4	12.9
22	163	7.7	143	7.3	110	6.6	63	5.7	11.7
MEAN	168	8.6	135	7.5	103	6.8	59	5.4	11.7

JUL.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	10.0	139	7.1	105	6.5	58	5.4	5.4
2	198	9.7	148	8.4	101	7.0	54	4.8	9.8
4	192	10.3	132	6.4	95	5.7	55	4.1	12.9
6	158	5.8	117	5.4	87	4.7	52	3.8	22.9
8	179	5.6	135	6.9	107	5.6	65	4.5	12.0
10	150	9.4	126	7.6	101	7.0	64	5.1	-1.4
12	150	5.3	115	7.3	92	6.7	57	4.8	3.3
14	178	4.8	139	6.6	112	6.6	70	4.8	0.2
16	177	7.6	161	7.3	140	6.8	91	5.3	-1.0
18	224	3.8	172	6.7	143	6.6	89	5.1	0.4
20	225	7.9	184	8.0	156	7.1	102	5.7	-7.9
22	240	7.6	177	5.9	140	6.3	89	5.1	-2.4
MEAN	187	7.3	145	7.0	115	6.4	71	4.9	4.5

JUL.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	9.1	163	7.4	138	7.3	90	5.6	-0.8
2	207	3.6	175	7.0	150	6.8	98	5.3	2.7
4	232	3.9	183	6.6	150	6.4	98	5.2	2.4
6	261	4.3	204	7.3	167	6.6	109	5.3	4.8
8									
10									
12	143	9.2	111	6.9	90	6.5	58	4.8	2.3
14	200	9.8	146	5.6	116	6.3	75	4.8	2.0
16	194	5.1	163	6.3	132	6.3	80	4.9	3.6
18	261	5.0	200	5.8	152	6.1	93	5.1	8.8
20	271	5.3	201	7.1	155	7.1	90	5.1	5.8
22	243	4.4	191	5.2	146	6.3	86	4.9	5.0
MEAN	221	6.0	174	6.5	140	6.6	88	5.1	3.7

JUL.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	195	5.1	165	5.9	130	6.2	81	5.3	-0.2
2	251	8.7	171	6.6	140	6.8	94	5.4	3.9
4	217	9.8	173	7.3	137	6.1	83	4.7	5.8
6	253	4.5	194	6.3	154	6.2	98	5.1	10.7
8	258	3.5	213	5.1	161	5.9	98	5.0	12.9
10	233	5.5	185	5.8	140	6.3	89	5.3	10.4
12	188	6.7	152	5.9	110	6.3	69	4.7	13.4
14	198	8.3	154	5.5	121	6.8	81	5.2	13.4
16	211	7.9	172	7.1	143	7.0	100	5.7	14.4
18	272	4.6	203	6.7	162	6.9	103	5.4	11.4
20	226	4.8	191	6.9	161	6.9	103	5.4	15.1
22	196	4.7	170	7.1	141	6.9	90	5.0	14.1
MEAN	225	6.2	179	6.3	142	6.5	91	5.2	10.4

JUL.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	223	6.7	188	6.3	149	7.3	98	5.7	13.1
2	232	8.1	188	6.1	147	6.6	93	5.1	17.1
4	248	4.8	204	5.7	159	6.8	97	5.3	16.8
6	235	5.6	176	7.8	141	7.3	86	5.3	16.4
8	264	7.3	205	7.4	157	7.0	93	5.4	16.5
10	233	4.0	182	6.6	138	6.8	84	5.4	13.8
12	201	5.0	155	6.6	127	7.0	86	5.8	17.3
14	204	8.3	138	7.4	112	6.8	71	4.9	14.4
16	156	7.6	147	7.2	123	6.3	78	4.8	13.5
18	168	9.8	136	7.0	110	6.4	66	5.1	10.5
20	189	7.4	156	7.3	120	7.3	72	5.6	12.4
22	202	8.4	171	8.3	129	6.9	76	5.5	13.3
MEAN	213	6.9	171	7.0	134	6.9	83	5.3	14.6

JUL.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	205	8.3	155	6.1	120	6.5	71	5.3	12.3
2	218	10.3	155	7.9	123	6.9	75	5.6	11.9
4	226	8.9	169	7.9	131	7.0	77	5.8	13.2
6	163	9.8	138	9.3	117	8.5	69	6.2	12.8
8	178	9.5	140	7.4	104	7.5	62	6.0	11.8
10	201	10.8	152	8.1	112	7.1	66	6.3	11.5
12	155	7.4	133	8.0	106	7.3	65	6.0	10.4
14	162	11.4	135	8.4	108	7.4	60	5.6	3.4
16	159	6.6	111	6.1	83	5.6	46	4.1	6.1
18	159	8.3	125	8.0	95	7.9	56	6.1	9.1
20	111	9.4	99	8.0	81	7.5	49	5.3	10.3
22	190	6.3	121	7.9	91	7.4	54	5.5	11.3
MEAN	177	8.9	136	7.8	106	7.2	63	5.6	10.3

JUL.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	226	8.4	159	7.4	109	7.4	57	5.3	10.5
2	218	9.1	158	7.9	105	6.8	56	4.8	9.9
4	214	7.5	140	7.8	101	7.0	56	4.8	10.5
6	223	10.0	161	7.4	109	6.6	61	4.6	19.0
8	204	4.8	137	6.8	97	6.1	57	4.2	21.4
10	206	6.9	137	7.6	95	6.5	54	4.5	21.9
12	225	6.7	195	5.4	130	6.1	73	4.4	22.2
14									
16	231	6.9	217	6.6	187	5.8	106	4.7	13.8
18									
20	227	7.6	205	6.8	176	5.3	111	4.7	11.9
22	235	9.0	208	6.9	168	6.8	104	5.1	20.2
MEAN	221	7.7	172	7.1	128	6.4	74	4.7	16.1

JUL.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	237	7.3	226	7.1	191	6.6	120	5.4	17.2
2	238	5.8	217	6.6	176	6.1	106	5.0	21.5
4	241	8.0	220	6.6	179	5.8	107	4.8	24.0
6	230	7.5	217	7.1	201	6.1	126	4.8	24.2
8	247	8.2	220	7.2	198	5.9	129	5.1	16.8
10	256	11.0	226	7.6	204	6.2	133	5.1	23.6
12	306	7.3	208	7.3	149	6.1	93	4.6	26.5
14	192	5.6	157	7.5	133	7.1	90	5.1	24.8
16									
18	319	4.4	216	5.6	156	6.0	94	4.7	22.9
20	450	4.4	281	4.8	187	5.5	111	4.7	18.6
22	339	6.6	259	5.1	178	5.6	109	4.8	19.2
MEAN	278	6.9	222	6.6	177	6.1	111	4.9	21.8

JUL.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	320	4.5	244	5.8	175	5.6	102	4.8	25.0
2	303	4.8	223	5.0	149	6.1	87	4.5	29.9
4	263	5.3	205	5.5	145	6.6	90	5.1	22.5
6	286	7.4	224	5.4	146	5.6	83	4.5	20.2
8									
10	309	5.2	239	5.1	161	5.0	92	4.4	17.7
12	303	5.3	228	4.6	149	5.1	86	4.4	22.9
14									
16									
18	283	8.5	225	7.7	133	6.7	71	4.6	29.9
20	179	6.9	152	6.5	124	5.9	73	4.4	19.1
22	208	8.0	165	6.9	136	6.4	85	4.9	22.1
MEAN	273	6.2	212	5.8	146	5.9	85	4.6	23.3

JUL.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	193	9.2	162	6.8	136	6.2	84	4.6	24.1
2	174	8.7	148	7.6	126	6.6	79	4.6	23.4
4	174	9.1	148	7.1	127	7.1	82	5.0	24.2
6	166	6.3	130	7.4	107	6.6	69	4.6	23.4
8	170	6.4	139	6.7	117	6.3	78	4.6	22.7
10	177	8.1	149	5.9	123	5.1	80	4.2	25.4
12	186	8.7	158	6.0	134	5.6	89	4.4	24.4
14	207	9.8	160	6.8	127	5.5	81	4.0	19.9
16	204	7.4	162	5.9	137	5.9	90	4.5	24.7
18	191	6.3	157	5.8	132	5.6	84	4.1	25.0
20	192	6.7	155	5.9	131	5.4	88	4.2	28.7
22	216	7.5	163	5.7	133	5.3	86	4.1	24.4
MEAN	188	7.8	153	6.5	128	5.9	83	4.4	24.2

JUL.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	224	8.8	169	8.0	134	6.6	81	4.7	17.1
2	173	6.6	145	6.8	117	5.6	75	4.3	19.4
4	176	10.8	140	8.0	120	6.5	77	4.7	18.8
6	151	6.8	126	7.0	103	6.2	66	4.3	23.0
8	133	8.1	116	6.8	98	5.8	67	4.1	24.0
10	169	7.8	137	6.6	114	5.8	75	4.1	26.5
12	192	7.7	159	6.3	130	5.6	83	4.1	26.4
14	209	9.6	172	6.5	143	6.0	92	4.7	29.3
16	202	8.9	168	6.9	139	5.7	87	4.3	31.5
18	194	8.8	168	6.8	140	6.0	93	4.8	24.8
20	206	8.4	171	6.8	142	6.2	90	4.5	31.2
22	216	8.9	188	8.1	157	7.2	100	5.3	24.7
MEAN	187	8.4	155	7.0	128	6.1	82	4.5	24.7

JUL.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	191	8.1	173	7.6	140	6.7	86	5.0	21.6
2	185	7.3	166	6.9	133	6.6	84	5.1	25.0
4	177	8.3	149	7.8	122	6.3	75	4.6	21.6
6	146	7.8	127	7.6	105	6.1	67	4.4	28.7
8	136	7.0	122	8.9	100	7.6	65	5.0	26.7
10	172	11.6	141	8.4	118	6.7	77	4.8	21.8
12	194	9.4	163	8.1	133	7.1	82	4.8	19.6
14	230	8.4	191	8.3	160	7.4	98	5.2	20.7
16	224	9.0	195	8.3	164	7.5	108	5.7	23.1
18	203	6.6	178	7.0	154	6.5	104	4.8	24.7
20	239	6.2	195	7.3	164	6.9	109	5.2	26.7
22	215	8.8	192	8.4	162	7.3	109	5.3	15.3
MEAN	193	8.2	166	7.9	138	6.9	89	5.0	23.0

JUL.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	264	8.7	229	8.8	194	7.8	129	5.8	14.1
2	215	8.8	197	7.9	170	7.4	113	5.4	22.6
4	197	7.8	174	8.8	152	7.8	96	5.1	16.7
6	181	9.1	139	8.4	117	7.3	77	5.1	25.0
8	128	7.6	113	7.8	99	7.4	67	5.2	25.7
10	159	11.2	122	8.2	100	6.8	65	4.9	22.6
12	174	6.8	158	8.5	137	7.5	86	5.4	18.1
14	231	10.4	197	9.0	165	7.8	104	5.5	18.2
16	221	8.2	201	8.3	171	7.4	119	5.9	22.1
18	236	8.8	203	9.0	171	7.1	108	5.3	19.3
20	233	9.4	192	9.0	167	7.6	109	5.4	18.3
22	234	8.6	198	8.1	169	7.5	112	5.6	16.1
MEAN	206	8.8	177	8.5	151	7.4	99	5.4	19.9

JUL.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	254	9.5	205	8.4	170	7.3	107	5.4	16.6
2	236	9.1	204	7.4	181	6.9	113	5.4	18.0
4	230	8.5	192	8.3	156	7.3	100	5.5	24.1
6	197	10.1	177	8.6	147	7.5	94	5.5	18.2
8	154	8.5	131	7.8	112	7.6	78	5.9	21.6
10	156	11.8	124	8.9	102	7.2	67	5.0	8.2
12	157	5.8	138	7.9	121	7.1	80	5.1	20.9
14	202	8.8	176	7.9	146	6.9	90	5.1	21.0
16	241	11.0	191	8.4	152	7.6	89	5.3	12.3
18	226	6.3	195	8.1	159	7.6	93	5.4	13.4
20	243	10.3	184	7.8	140	6.8	79	5.1	8.6
22	204	9.0	176	8.3	137	7.3	80	5.2	10.4
MEAN	208	9.1	174	8.1	144	7.3	89	5.3	16.1

JUL.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	212	9.0	175	8.0	132	7.0	75	5.2	9.4
2	210	9.5	173	8.9	132	8.0	78	5.7	11.6
4	242	9.9	163	7.8	121	6.8	74	4.9	18.1
6	196	7.5	162	7.3	131	5.7	81	4.4	13.1
8	158	7.8	136	7.6	112	6.6	75	4.8	20.2
10	130	8.4	107	7.8	92	6.5	59	4.3	26.7
12	170	8.5	137	6.8	114	6.8	75	4.9	20.7
14	164	3.6	153	6.9	133	6.1	88	4.8	18.4
16									
18	212	6.1	187	7.1	156	6.4	103	5.0	23.7
20	205	4.4	175	6.9	144	6.2	94	4.8	24.7
22	196	7.8	168	6.7	133	5.9	83	4.6	21.3
MEAN	190	7.5	158	7.4	127	6.5	80	4.9	18.9

JUL.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	207	7.0	168	6.3	133	5.8	79	4.2	19.0
2	237	8.0	192	6.9	154	6.3	96	4.9	23.4
4	240	8.6	183	7.4	139	6.9	85	4.9	21.0
6									
8	171	6.8	149	6.8	125	5.9	79	4.4	23.6
10	149	6.8	117	7.4	98	6.4	68	4.4	20.3
12	150	8.3	122	7.4	100	6.2	69	4.4	18.7
14									
16									
18	217	10.1	174	6.5	138	6.3	85	4.8	21.8
20	213	8.1	169	6.7	136	6.6	81	5.1	15.1
22	200	9.9	156	7.0	120	6.3	69	4.7	11.8
MEAN	198	8.2	159	6.9	127	6.3	79	4.6	19.4

JUL.31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	242	10.0	201	10.9	154	8.5	87	6.3	0.2
2	253	14.8	198	10.2	154	8.8	90	6.2	4.7
4	280	12.8	226	10.6	181	8.8	108	7.0	3.4
6	330	11.9	256	12.2	205	9.8	118	6.7	3.7
8	223	12.4	201	12.9	168	11.1	103	7.1	-2.0
10	208	11.6	160	13.3	123	11.1	71	6.9	0.0
12	154	9.8	134	13.5	116	11.7	73	7.7	4.4
14	205	11.4	176	11.9	148	11.3	96	8.0	1.6
16	258	16.8	211	14.3	173	10.9	106	7.8	-0.8
18	297	23.7	245	14.0	200	13.7	122	8.7	-6.2
20	378	16.6	246	13.8	188	10.2	111	7.3	-1.8
22	232	19.3	195	15.0	163	11.3	98	7.4	-3.9
MEAN	255	14.3	204	12.7	164	10.6	99	7.3	0.3

AUG. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	245	16.5	196	13.1	158	11.0	92	7.2	-1.8
2	244	16.5	200	13.0	165	10.4	99	7.5	1.6
4	328	14.3	250	10.4	206	9.4	118	7.3	-3.2
6	361	10.3	270	12.3	198	10.3	112	7.3	1.6
8	218	15.1	186	10.3	153	8.4	91	6.2	0.6
10	180	13.9	153	11.6	131	10.3	80	6.7	-4.9
12	164	9.8	131	10.4	106	9.1	65	6.4	3.1
14	172	8.2	147	10.4	123	10.0	77	7.1	-2.6
16	189	10.4	166	9.5	140	8.4	85	6.6	-3.5
18	319	10.6	233	9.6	177	8.7	101	6.9	2.2
20	255	11.9	217	10.3	184	9.6	105	7.2	-3.1
22	214	11.6	184	9.3	146	8.2	84	6.7	-2.1
MEAN	241	12.4	194	10.8	157	9.5	92	6.9	-1.0

AUG. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	197	4.2	159	9.0	132	6.9	77	5.9	-2.8
2	193	12.4	161	8.8	127	8.0	71	6.0	0.7
4	216	11.1	193	9.3	158	8.0	90	6.4	0.3
6	184	10.8	151	9.7	113	8.6	63	6.3	0.9
8	216	11.0	144	8.8	109	6.9	61	5.3	2.2
10	162	11.4	138	9.5	111	6.9	64	5.3	0.4
12									
14	161	10.5	123	7.8	94	6.6	56	5.3	-0.7
16									
18	191	6.8	148	7.8	106	7.4	58	5.1	-3.7
20	191	10.8	127	9.8	91	7.9	52	5.4	-4.3
22	160	6.4	117	6.1	86	6.5	52	5.2	-1.9
MEAN	187	9.5	146	8.7	113	7.4	64	5.6	-0.9

AUG. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	138	6.8	112	6.0	85	6.3	49	5.0	-1.6
2	171	11.4	122	6.8	90	6.6	51	5.1	-0.4
4	168	8.1	130	8.3	101	7.4	57	5.7	0.4
6	183	7.7	126	8.9	93	8.1	55	6.3	0.1
8	173	6.8	139	8.3	106	8.1	66	6.3	-2.7
10	167	9.0	134	7.9	103	7.3	62	6.0	-6.1
12	124	7.5	107	7.0	83	6.8	49	4.9	-0.5
14	162	6.6	117	6.4	86	6.4	49	4.9	-1.3
16	158	9.1	120	9.0	92	7.4	56	5.8	-4.7
18	193	10.8	140	8.2	104	7.9	60	5.9	-2.1
20	111	8.1	94	7.3	73	7.4	43	5.3	-4.0
22	174	10.9	124	7.5	87	7.0	52	5.5	-3.6
MEAN	160	8.6	122	7.6	92	7.2	54	5.6	-2.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	4.1988 THETA (DEG)
0	156	10.1	101	6.8	73	7.0	42	5.3	-5.3
2	143	3.0	105	7.3	78	6.7	46	5.3	-3.4
4	145	9.7	113	8.6	81	8.1	47	5.6	0.4
6	154	3.6	107	7.3	83	7.8	51	6.0	-2.3
8	95	8.9	86	9.0	72	7.9	45	6.0	-4.0
10									
12									
14									
16									
18									
20	133	11.1	86	7.6	62	7.6	38	5.9	-3.7
22	125	9.3	93	7.9	72	8.1	44	5.8	-1.9
MEAN	136	8.0	99	7.8	74	7.6	45	5.7	-2.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	7.1988 THETA (DEG)
0	79	12.8	62	10.8	49	9.3	27	6.3	3.6
2	249	6.6	111	10.0	69	9.4	38	6.6	21.0
4	220	8.6	91	7.6	60	8.6	32	6.0	11.5
6	199	6.2	113	7.3	72	7.2	38	6.2	6.6
8	229	2.5	85	5.8	55	7.3	31	5.4	4.6
10	93	7.3	77	10.0	59	9.6	32	6.3	5.8
12	88	11.0	72	11.1	53	9.6	29	6.4	5.5
14	79	10.8	65	9.8	52	8.8	32	6.3	4.9
16	125	9.8	66	8.4	45	7.3	26	4.6	-3.1
18									
20									
22									
MEAN	151	8.4	82	9.0	57	8.6	32	6.0	6.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	5.1988 THETA (DEG)
0	127	6.6	81	9.8	62	7.9	38	5.8	-0.2
2	131	7.6	108	7.9	83	7.1	49	5.5	-7.9
4	122	8.7	100	5.6	76	5.9	47	4.8	-5.4
6	146	8.1	101	6.8	70	6.7	39	4.8	1.4
8	146	7.8	94	8.9	65	7.4	38	5.3	-2.9
10	139	10.3	86	9.1	66	8.1	39	5.8	-0.4
12	147	9.0	88	8.0	65	7.8	36	5.4	1.7
14									
16	96	12.6	66	9.2	50	8.4	28	5.6	-2.0
18	152	10.9	85	8.8	63	7.3	36	5.3	-2.3
20	127	10.7	82	9.6	61	8.1	36	5.5	-1.3
22	102	12.4	83	8.8	61	8.5	37	6.3	0.2
MEAN	130	9.5	89	8.4	66	7.6	38	5.5	-1.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	8.1988 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	120	7.5	72	7.0	52	6.0	31	4.1	-17.4
18	95	12.9	78	11.0	57	8.4	33	5.1	-9.1
20	87	10.8	73	9.8	56	8.9	32	5.9	-1.5
22	87	14.0	65	11.8	50	10.3	30	6.9	0.4
MEAN	97	11.3	72	9.9	54	8.4	32	5.5	-6.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	6.1988 THETA (DEG)
0	151	7.9	84	8.6	59	7.8	34	5.9	2.3
2	135	8.3	79	8.3	55	7.1	35	5.0	7.5
4	133	11.3	86	6.2	63	7.1	36	4.9	7.0
6	91	3.5	69	6.4	51	6.4	32	4.8	3.5
8	89	3.1	74	6.8	59	6.8	37	5.6	2.6
10	82	3.6	66	7.5	50	6.9	30	5.0	-1.1
12	83	10.9	67	9.4	47	7.8	26	4.6	-1.0
14	76	10.9	57	8.6	45	7.3	26	4.8	3.7
16	89	10.7	67	8.0	48	6.3	29	4.3	-8.5
18	82	10.0	56	8.8	41	6.8	25	4.4	-6.6
20	89	10.4	65	9.6	47	9.0	26	5.8	2.5
22	74	11.0	62	10.1	45	9.3	26	6.1	2.9
MEAN	98	8.5	69	8.2	51	7.4	30	5.1	1.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	9.1988 THETA (DEG)
0	164	11.8	95	9.1	61	9.8	32	6.6	10.9
2	87	10.0	72	11.4	56	9.9	33	6.8	2.3
4	124	9.8	85	9.2	61	9.2	35	6.3	4.9
6	161	14.8	103	5.8	66	7.3	35	5.6	10.2
8	132	5.8	86	6.6	59	6.6	33	5.2	6.3
10	103	6.3	73	8.5	51	8.0	27	4.9	-1.7
12									
14	81	9.3	64	9.5	48	8.3	28	5.1	-3.3
16	94	13.2	65	9.8	46	7.1	27	4.3	-9.3
18	78	13.8	63	9.8	48	8.6	26	4.9	-6.4
20	85	9.9	64	10.4	49	8.6	29	5.6	-1.5
22	154	7.0	95	8.5	62	9.3	35	6.4	2.4
MEAN	115	10.2	79	9.0	55	8.4	31	5.6	1.3

AUG.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	109	11.3	87	9.9	66	9.8	39	7.3	1.0
2	82	9.9	75	9.8	62	9.6	37	7.0	1.9
4	87	10.6	74	10.4	56	9.0	33	5.9	3.0
6	97	6.3	77	6.6	60	6.3	35	4.3	5.4
8	193	10.3	107	7.3	77	5.7	42	4.3	13.1
10	142	10.1	103	6.6	71	5.3	42	4.0	5.4
12	178	10.8	115	7.8	80	6.6	47	4.9	-2.6
14	187	12.4	120	7.7	86	6.9	49	4.9	-1.7
16	131	9.8	98	7.9	73	7.8	43	5.3	1.4
18	157	8.7	110	7.5	81	7.1	47	5.0	0.2
20	136	10.1	114	7.8	84	7.1	49	5.3	0.4
22	184	8.6	141	7.7	106	7.4	63	5.9	-1.0
MEAN	140	9.9	102	8.1	75	7.4	44	5.3	2.2

AUG.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	190	5.9	119	8.1	89	7.4	52	5.4	-0.7
2	196	9.0	136	7.8	103	7.8	60	5.7	-4.9
4	137	5.8	116	6.6	89	6.4	52	4.4	-2.7
6	170	11.6	142	7.5	112	6.8	66	4.9	-2.7
8	145	9.6	120	8.5	100	6.8	61	4.9	-4.7
10	147	9.3	117	7.7	101	6.8	65	5.0	-3.9
12	163	8.4	140	8.3	118	7.0	72	5.0	-4.3
14	205	9.3	166	7.4	128	6.4	78	4.9	-9.4
16	306	5.5	199	7.8	142	6.6	84	5.3	-3.9
18	267	5.3	169	7.0	133	7.1	81	5.6	-5.2
20	246	10.9	183	9.2	146	7.9	85	5.8	-0.6
22	268	10.1	175	8.6	129	7.8	72	5.8	-4.0
MEAN	203	8.4	149	7.9	116	7.1	69	5.2	-3.9

AUG.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	8.6	171	8.6	127	7.5	75	6.2	-3.0
2	267	4.9	164	7.3	123	7.4	73	6.1	-0.7
4	353	9.6	205	8.3	138	7.5	76	5.9	-1.3
6	205	10.3	151	7.5	116	6.8	68	5.3	-4.4
8	188	11.6	143	9.9	118	7.8	74	5.6	-5.3
10	153	10.0	129	9.1	101	6.8	62	5.1	-7.0
12	166	9.3	139	7.3	115	6.4	71	4.8	-5.2
14	212	11.0	159	8.2	124	7.3	76	5.1	-3.0
16	211	9.4	174	8.3	138	6.6	82	5.0	-7.0
18	218	4.7	192	8.0	162	8.1	103	6.2	-4.6
20	200	9.0	177	7.6	146	7.8	92	6.2	-3.6
22	252	4.9	177	7.8	142	7.0	85	5.8	2.5
MEAN	220	8.6	165	8.2	129	7.2	78	5.6	-3.5

AUG.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	311	5.5	217	8.2	155	7.8	85	5.9	-4.0
2	226	9.3	187	8.9	152	8.0	90	6.5	2.6
4	241	10.3	172	9.3	127	8.0	73	5.9	-0.5
6	195	8.5	153	8.1	125	7.3	76	5.8	-0.1
8	337	3.3	174	7.4	133	6.7	80	5.5	-4.1
10	154	8.4	126	10.3	101	7.5	64	5.3	-1.2
12									
14	271	5.0	172	8.0	137	7.4	78	5.3	-1.0
16									
18	190	9.2	146	7.6	114	8.0	69	5.9	1.5
20	179	8.5	149	8.4	120	8.0	69	5.8	3.4
22	308	5.1	264	5.6	173	6.9	94	6.0	9.1
MEAN	241	7.3	176	8.2	134	7.6	78	5.8	0.6

AUG.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	289	4.5	189	7.1	141	7.3	82	6.3	2.5
2	335	7.7	226	7.3	168	8.0	98	6.5	-0.5
4	310	1.1	202	6.5	140	7.1	81	5.8	-1.2
6	312	4.9	188	6.8	126	6.7	74	5.4	3.1
8	192	10.0	161	8.8	124	7.6	75	6.0	5.0
10	384	4.7	213	6.2	132	6.9	72	5.4	-1.9
12	368	4.5	163	7.7	114	7.7	64	5.7	3.3
14	360	4.9	189	6.6	126	7.2	72	5.8	0.8
16	252	4.6	140	7.8	97	7.4	56	5.6	0.8
18	343	8.9	171	8.3	116	8.2	63	5.8	2.3
20	296	4.7	180	7.8	133	7.4	78	5.9	1.1
22	378	5.4	217	8.3	147	7.9	84	6.3	0.7
MEAN	318	5.5	187	7.4	130	7.4	75	5.9	1.3

AUG.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	254	10.3	170	8.4	135	7.6	76	5.8	1.8
2	405	3.2	180	8.0	132	7.9	74	5.8	0.8
4	286	5.9	178	9.2	124	8.2	70	5.6	9.7
6	311	10.9	177	9.7	117	7.6	64	5.3	-1.1
8	438	3.8	247	8.2	161	7.9	88	6.1	-2.0
10	345	7.6	212	8.7	151	9.3	90	6.6	-3.0
12	182	12.4	150	10.8	123	9.3	76	6.2	-0.4
14	394	4.9	250	9.8	172	9.8	100	6.7	-21.7
16	514	2.7	387	5.0	243	8.4	138	6.6	-30.6
18	380	7.4	281	7.8	200	8.8	121	6.3	2.7
20	441	7.5	272	12.4	202	10.0	118	7.1	-9.9
22	455	12.6	242	11.0	172	10.2	107	7.4	6.0
MEAN	367	7.4	229	9.1	161	8.7	94	6.3	-4.0

AUG.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	206	11.8	196	8.8	179	8.6	123	6.4	-0.5
2	222	11.8	193	8.6	171	7.4	115	5.3	-5.9
4	259	12.5	201	9.9	164	7.2	98	4.8	-3.5
6	225	11.4	193	9.9	163	7.1	105	4.9	-6.8
8	220	6.9	196	8.2	174	7.3	119	5.2	-5.1
10	213	8.0	191	7.1	171	6.9	122	5.2	-3.0
12	198	6.9	183	9.4	165	7.5	92	5.9	2.8
14	258	11.5	207	8.2	182	7.6	135	5.4	3.9
16	216	10.3	178	8.3	154	6.3	102	4.4	6.9
18									
20	202	10.4	174	8.2	151	5.9	96	4.4	5.7
22	199	6.8	183	7.9	168	7.1	114	5.1	4.1
MEAN	220	9.8	190	8.6	167	7.2	111	5.2	-0.1

AUG.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	192	11.7	181	8.5	167	6.9	118	5.0	3.7
2	198	10.5	186	8.3	169	7.6	116	5.6	4.6
4	204	9.8	175	8.3	149	7.1	87	5.5	3.9
6	217	9.4	170	8.0	136	5.8	76	4.3	5.7
8	200	10.0	173	8.5	141	6.0	80	4.4	4.7
10	198	9.3	175	7.8	157	6.7	101	4.7	6.9
12	197	11.4	177	7.3	162	5.8	114	4.6	-4.5
14	188	2.8	171	7.0	153	5.8	101	4.2	-1.4
16	178	8.8	160	7.6	135	5.7	79	4.1	1.4
18	184	7.3	125	5.3	93	4.9	51	3.4	15.0
20	165	8.0	115	6.6	82	5.4	49	4.0	17.2
22	170	7.1	125	4.7	91	4.5	52	3.8	7.6
MEAN	191	8.8	161	7.3	136	6.0	85	4.5	5.4

AUG.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	163	7.1	125	7.1	99	6.1	58	4.6	2.6
2	147	5.9	113	6.1	85	5.8	51	4.6	8.1
4	198	8.3	130	5.5	96	5.3	54	4.2	7.6
6	218	7.6	139	5.9	97	5.5	54	4.2	7.8
8	187	3.6	111	6.1	77	6.1	44	4.2	9.1
10	151	8.1	112	6.6	80	5.8	46	4.3	10.0
12	406	5.6	136	5.8	95	5.8	48	4.3	3.6
14	132	6.6	91	5.9	64	5.6	37	4.1	5.8
16	176	1.8	102	4.2	70	4.0	42	3.1	27.5
18	116	8.6	86	6.4	65	5.8	40	4.2	16.8
20	146	5.9	109	6.3	83	5.7	51	4.3	1.4
22	184	3.9	117	5.0	79	6.0	46	4.2	-0.5
MEAN	185	6.1	114	5.9	83	5.6	48	4.2	8.3

AUG.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	7.4	91	5.7	70	6.1	43	4.3	2.1
2	165	10.2	102	6.6	77	5.6	46	4.1	6.1
4	145	4.3	101	4.8	71	4.9	41	3.8	1.2
6	130	2.7	94	5.3	70	5.5	44	4.1	6.0
8	167	3.5	95	5.9	66	5.7	38	4.1	11.0
10									
12									
14									
16									
18	124	6.9	103	8.4	85	6.8	50	4.9	2.4
20	175	5.5	128	6.3	92	5.9	51	4.1	5.7
22									
MEAN	150	5.8	102	6.1	76	5.8	45	4.2	4.9

AUG.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	11.8	130	7.8	99	5.5	58	4.4	4.2
2	172	8.0	138	8.8	108	7.0	67	5.2	0.4
4	187	10.0	156	10.0	128	7.1	77	5.3	-7.7
6	189	9.8	148	6.6	115	6.4	68	4.6	-6.3
8	187	6.9	121	6.3	93	5.5	55	4.1	-2.4
10	186	9.0	130	6.1	102	5.6	62	3.9	8.6
12	197	9.8	152	7.5	116	5.6	70	4.0	-3.7
14	237	8.1	174	7.8	132	5.7	79	3.9	-8.3
16	234	7.2	191	9.4	142	7.4	79	4.8	-3.5
18	239	11.5	194	9.1	155	7.1	89	5.3	3.1
20	253	11.1	217	10.6	151	8.3	84	5.6	6.4
22	221	11.3	204	9.4	163	7.4	89	5.1	-0.6
MEAN	206	9.5	163	8.3	125	6.5	73	4.7	-0.8

AUG.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	219	10.0	167	8.5	133	6.7	82	4.8	-6.6
2	174	9.9	152	8.9	129	7.3	78	5.1	-5.6
4	202	9.7	166	8.3	140	7.4	94	5.8	-8.2
6	209	11.0	166	10.4	130	7.4	79	5.3	-4.1
8	225	7.3	162	7.6	115	6.9	66	4.8	-7.3
10	178	7.6	130	7.4	95	6.3	55	4.4	-0.8
12	174	5.6	135	6.0	99	6.5	59	4.4	5.1
14	186	8.3	141	6.9	101	6.3	57	4.1	2.0
16	204	7.2	151	8.0	106	6.6	60	4.3	10.0
18	182	9.2	130	7.8	97	7.3	58	5.1	11.2
20	177	10.6	122	8.8	88	7.8	53	5.6	11.7
22	120	6.1	91	6.9	72	6.9	45	4.9	12.5
MEAN	188	8.5	143	8.0	109	6.9	66	4.9	1.7

AUG.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	6.0	88	6.3	64	6.0	38	4.3	9.2
2	131	6.5	112	7.6	84	8.5	48	6.1	4.6
4	165	10.3	142	9.6	114	7.8	60	6.0	-3.7
6	135	8.3	119	7.3	103	6.7	61	6.0	-3.3
8	154	9.5	114	7.9	90	7.4	54	5.8	0.6
10	140	8.0	85	6.5	62	5.6	36	3.9	8.4
12	175	6.5	104	5.9	77	5.9	43	3.9	7.0
14	128	7.4	86	7.1	67	6.1	42	4.1	10.8
16	129	7.3	107	8.6	81	8.0	47	5.1	8.1
18	154	10.6	110	9.5	82	8.3	48	5.7	8.6
20	154	7.7	113	8.4	82	8.3	52	6.6	7.5
22	151	9.6	115	8.9	88	8.0	49	5.7	11.5
MEAN	146	8.1	108	7.8	83	7.2	48	5.3	5.8

AUG.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	10.1	101	7.4	80	7.7	49	5.4	5.5
2	143	5.1	106	7.1	79	6.3	44	4.5	6.9
4	165	7.6	127	8.6	97	7.4	57	5.9	7.1
6	164	6.9	130	6.6	101	6.1	53	4.9	6.3
8	146	9.3	128	7.6	103	6.9	59	5.8	3.5
10	168	10.8	126	8.8	95	7.1	55	5.6	7.5
12	163	7.0	112	7.6	75	6.2	41	4.1	5.9
14	207	9.4	119	8.6	87	8.8	49	5.9	10.3
16	137	6.7	117	8.0	94	8.5	58	6.3	9.9
18	157	7.1	118	8.8	84	8.1	48	5.3	9.2
20	190	7.1	111	9.0	82	8.5	49	5.4	6.4
22	178	11.6	129	10.1	84	8.2	46	5.1	5.8
MEAN	164	8.2	119	8.2	88	7.5	51	5.3	7.0

AUG.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	11.5	118	10.3	89	9.0	52	6.0	8.2
2	176	10.3	130	8.7	96	7.3	55	4.9	6.2
4	194	12.3	153	9.9	118	7.6	64	5.8	5.6
6	171	6.5	141	6.6	115	5.8	62	4.3	-1.2
8	183	11.0	151	7.5	125	5.9	76	4.2	5.9
10	178	9.3	150	8.5	115	6.9	64	5.0	4.3
12	194	11.3	147	6.8	103	7.3	56	5.1	1.6
14	258	8.0	153	8.3	104	7.3	58	4.9	5.3
16	197	9.3	145	8.6	109	8.2	63	5.1	7.3
18	189	9.1	145	7.0	106	7.1	61	4.5	4.7
20	181	9.8	137	7.3	100	5.8	59	3.8	5.5
22	200	10.6	147	6.8	104	5.7	62	4.0	7.2
MEAN	189	9.9	143	8.0	107	7.0	61	4.8	5.0

AUG.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	12.0	164	7.9	112	6.4	66	4.4	4.7
2	241	10.9	158	7.3	109	6.6	62	4.2	1.7
4	197	7.1	151	7.6	110	7.0	64	4.8	4.5
6	191	9.8	150	8.0	125	6.1	75	4.4	7.3
8	179	6.5	155	7.2	136	5.6	91	4.4	3.8
10	202	8.6	154	7.9	124	5.8	71	4.5	-2.4
12	223	8.5	172	8.2	137	7.5	83	5.5	-6.3
14	196	8.9	174	8.0	131	7.4	77	4.9	2.4
16	275	5.6	207	7.5	151	7.3	86	5.3	5.5
18	250	9.8	186	8.8	143	7.4	83	5.0	4.1
20	256	7.4	201	8.7	163	7.6	95	5.4	2.2
22	293	8.9	231	7.9	175	7.1	104	5.5	-1.9
MEAN	231	8.7	175	7.9	135	6.8	80	4.9	2.1

AUG.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	292	6.8	251	7.2	204	6.4	116	5.0	-5.6
2	300	9.6	217	8.8	166	7.6	97	5.6	-2.1
4	256	9.5	222	8.3	179	7.8	101	6.3	-1.8
6	251	9.3	192	9.4	160	8.6	98	6.3	-6.0
8	172	7.2	157	8.9	129	9.0	83	6.6	-2.9
10	165	12.3	143	10.6	122	8.9	79	6.4	-2.8
12	259	9.7	190	9.3	152	8.2	95	5.9	-5.1
14	285	9.3	215	9.8	180	8.3	117	6.6	-2.7
16	319	7.4	259	9.2	204	8.0	128	6.6	-5.8
18	306	10.6	248	9.4	206	8.4	131	6.8	-7.4
20	253	10.5	216	9.9	180	9.2	119	6.8	-6.4
22	274	9.6	205	9.7	176	8.9	113	6.7	0.8
MEAN	261	9.3	210	9.2	172	8.3	106	6.3	-4.0

AUG.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	276	11.3	238	9.4	203	9.0	122	7.1	-3.6
2	247	9.4	224	9.4	182	8.9	110	7.2	-4.4
4	359	10.0	269	9.7	210	9.0	124	7.4	3.8
6	226	6.4	198	8.6	164	7.6	103	6.0	1.6
8	185	10.5	163	9.1	142	8.5	96	6.7	0.6
10	176	8.4	134	8.5	113	8.3	78	6.6	-1.4
12	162	9.3	143	8.3	124	8.1	80	5.8	-1.7
14	263	8.6	194	9.0	157	7.8	94	6.3	-0.6
16	263	10.8	211	9.8	167	8.4	93	6.1	-0.3
18									
20									
22									
MEAN	240	9.4	197	9.1	162	8.4	100	6.6	-0.7

AUG.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

AUG.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	328	8.1	258	5.5	182	4.5	105	4.3	13.4
14	332	7.6	259	3.6	175	5.3	99	4.3	16.2
16	369	8.8	247	6.6	188	6.8	112	5.4	8.9
18	310	6.4	225	6.9	170	6.8	103	5.3	19.1
20	295	5.6	220	6.6	170	6.8	102	5.2	13.6
22	261	9.5	220	6.4	180	4.8	106	4.6	44.2
MEAN	316	7.7	238	5.9	178	5.8	105	4.8	19.2

AUG.31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	255	6.4	198	6.5	156	5.1	93	4.6	29.7
2	252	4.7	215	6.1	173	6.2	105	6.1	19.0
4	282	4.7	227	6.1	161	7.1	92	6.2	23.1
6	369	9.6	308	7.1	175	7.8	89	6.1	31.0
8	394	5.8	341	5.6	254	5.6	121	5.1	-31.6
10	509	9.1	425	5.4	284	5.4	130	4.5	19.3
12	345	1.4	282	4.8	192	6.2	106	5.1	11.6
14	393	4.9	315	4.4	207	6.1	111	4.9	8.5
16	559	6.3	370	4.9	247	5.7	121	4.9	0.9
18	414	7.6	328	5.6	205	6.8	113	5.8	27.5
20	430	5.1	321	5.5	215	6.4	113	5.3	50.3
22	317	4.6	280	4.8	182	6.3	93	5.3	18.2
MEAN	377	5.8	301	5.6	204	6.2	107	5.3	17.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	1.1988 THETA (DEG)
0	278	9.9	248	6.4	149	6.8	79	5.8	10.7
2	325	8.8	253	7.0	162	7.6	88	6.1	27.8
4	377	9.3	296	5.1	178	7.3	97	6.1	41.5
6	386	8.6	303	5.1	185	6.8	104	6.3	40.4
8	423	9.9	331	7.4	202	7.4	105	5.9	45.4
10	337	5.0	300	4.9	205	6.3	108	5.8	99.0
12	197	7.6	161	8.9	119	8.1	70	6.3	9.1
14	198	9.4	158	8.1	126	7.8	76	6.1	9.9
16	213	7.3	151	7.9	116	8.1	66	5.9	12.3
18	183	9.0	140	8.4	111	8.3	64	6.1	13.8
20	180	7.9	137	8.0	106	7.7	62	6.1	16.4
22	207	4.5	163	7.6	118	7.7	67	5.8	13.4
MEAN	275	8.1	220	7.1	148	7.5	82	6.0	28.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	4.1988 THETA (DEG)
0	255	10.8	202	8.3	162	7.1	99	4.9	6.3
2	211	7.3	195	8.6	161	7.8	104	5.9	12.3
4	216	9.9	191	8.9	161	7.5	105	5.6	9.9
6	247	10.4	187	8.7	158	7.7	106	5.6	5.8
8	331	10.3	215	9.3	167	7.5	105	5.3	11.9
10	252	7.2	209	8.8	174	8.0	113	5.8	6.8
12	239	8.8	211	8.8	178	8.0	121	6.0	12.5
14	236	9.1	209	8.0	185	6.9	119	5.3	9.9
16	243	8.8	216	8.6	183	7.3	122	5.5	7.9
18	291	7.9	230	8.5	191	7.6	126	5.6	7.4
20	422	8.3	243	8.1	201	7.5	136	5.6	12.6
22	273	6.8	225	6.9	199	6.9	138	5.6	11.2
MEAN	268	8.8	211	8.5	177	7.5	116	5.6	9.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	2.1988 THETA (DEG)
0	224	9.1	165	7.1	127	7.5	73	5.9	16.2
2	215	5.4	162	7.4	109	7.6	57	4.9	10.0
4	203	5.3	149	8.4	110	8.3	61	5.9	11.9
6	196	6.6	164	8.4	123	8.6	75	7.0	9.8
8	281	5.6	199	7.9	140	8.4	82	6.9	8.7
10	232	10.3	168	8.1	120	7.6	65	5.3	11.0
12	170	9.5	145	9.5	111	8.3	60	5.5	12.6
14	199	12.9	137	8.5	102	7.7	57	5.3	10.9
16	200	10.3	150	9.4	114	8.8	66	6.3	10.6
18	217	10.1	165	8.9	120	7.9	65	5.3	11.6
20	244	6.4	164	7.8	125	7.4	75	5.1	20.6
22	239	11.9	177	9.3	128	7.6	73	5.1	14.3
MEAN	218	8.6	162	8.4	119	8.0	67	5.7	12.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	5.1988 THETA (DEG)
0	245	6.8	200	7.8	169	7.1	113	5.5	18.5
2	203	9.0	181	8.8	159	7.4	105	5.4	20.0
4	211	9.3	170	8.3	148	7.2	102	5.6	18.9
6	187	8.9	173	7.5	148	6.9	101	5.2	21.2
8	219	9.3	193	8.0	166	7.1	106	5.2	18.6
10	251	9.8	200	8.4	178	7.8	122	5.8	13.5
12	234	10.0	203	8.2	176	7.4	115	5.4	16.8
14	224	8.4	201	7.8	167	6.9	100	5.2	19.9
16	254	9.4	219	8.8	182	7.7	113	5.4	8.1
18	239	10.5	204	7.8	168	7.0	108	5.4	19.3
20	282	9.3	234	8.8	193	7.6	126	5.8	19.7
22	268	9.8	234	8.8	200	7.8	123	6.0	9.7
MEAN	235	9.2	201	8.2	171	7.3	111	5.5	17.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	3.1988 THETA (DEG)
0	246	9.2	142	6.9	99	5.8	59	4.3	21.9
2	235	9.3	186	7.6	130	6.1	72	4.6	15.6
4	208	10.1	171	8.3	128	7.4	77	5.5	16.2
6	209	7.9	165	6.8	120	6.6	71	5.0	10.8
8	238	6.8	152	7.1	113	6.0	70	4.6	14.7
10	253	6.1	164	5.8	116	5.7	68	4.3	16.9
12	144	8.0	120	7.3	90	6.5	57	4.6	17.1
14	146	6.8	112	7.1	91	5.6	59	4.0	24.0
16	200	8.6	156	7.6	121	6.6	72	4.4	14.9
18	192	6.6	147	7.6	118	6.4	73	4.3	17.1
20	215	7.1	177	5.8	138	5.9	83	4.3	15.4
22	250	9.9	208	7.5	166	6.6	102	4.9	10.4
MEAN	211	8.0	158	7.1	119	6.3	72	4.6	16.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. TMEAM (SEC)	6.1988 THETA (DEG)
0	230	8.9	210	8.7	169	7.9	102	5.9	7.1
2	389	7.8	231	8.3	178	7.8	110	5.6	6.0
4	213	10.2	181	9.8	145	7.6	89	5.3	2.9
6	202	7.8	180	9.5	153	9.2	99	6.4	3.9
8	384	10.3	219	10.7	170	9.1	104	6.6	-1.9
10	233	10.1	210	10.6	180	10.1	119	7.0	1.7
12	266	8.5	220	9.8	180	8.4	107	6.1	2.6
14	261	10.0	235	10.3	205	9.6	131	7.6	-3.3
16									
18									
20									
22									
MEAN	272	9.2	211	9.7	173	8.7	108	6.3	2.4

SEP. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

SEP.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	230	5.6	179	7.4	130	8.7	74	7.1	5.1
2	233	4.9	154	8.1	115	8.5	69	7.3	9.9
4	174	12.4	136	10.3	101	9.4	59	7.5	5.4
6	245	11.8	198	8.0	139	8.6	72	6.5	21.1
8	227	9.5	186	8.8	154	6.9	90	5.4	28.6
10	193	2.6	172	7.6	145	6.8	84	5.6	30.1
12	217	6.2	187	6.8	154	6.6	88	5.8	18.6
14	271	6.9	196	6.8	126	6.3	68	4.9	16.0
16	214	4.5	151	9.5	105	9.1	59	6.2	14.5
18	232	4.3	170	6.4	116	8.5	65	6.3	31.6
20	291	11.1	215	8.0	148	7.9	74	6.1	11.6
22	293	6.4	227	6.0	171	6.8	91	6.1	10.1
MEAN	235	7.2	181	7.8	134	7.8	74	6.2	16.9

SEP. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	316	1.4	232	5.0	190	4.9	113	4.6	36.1
14	342	9.7	253	5.5	183	6.4	108	5.3	29.9
16	293	4.8	235	5.2	173	6.1	99	4.9	28.9
18	276	11.9	238	6.5	175	6.6	99	5.1	27.9
20	267	9.7	236	6.4	185	5.8	107	5.1	28.9
22	250	6.3	211	5.6	163	6.6	100	5.3	26.0
MEAN	291	7.3	234	5.7	178	6.1	104	5.0	29.6

SEP.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	5.9	205	7.6	133	7.9	72	6.6	7.2
2	218	10.6	157	9.8	111	8.3	63	5.9	6.7
4	213	3.9	141	8.2	103	8.0	59	5.3	12.9
6	250	5.6	163	8.7	112	7.4	62	5.0	14.8
8	478	7.6	338	6.4	242	4.8	122	4.9	-18.2
10	315	8.8	250	6.6	178	5.8	98	5.0	3.1
12	334	11.7	256	4.5	176	6.2	89	4.9	-0.6
14	303	8.8	216	8.1	152	7.6	85	6.1	0.8
16	325	1.1	236	4.8	148	6.3	78	5.2	-1.3
18									
20	504	4.4	363	4.2	262	4.5	140	4.5	1.9
22	371	12.1	308	5.8	214	5.3	117	4.9	-81.0
MEAN	325	7.3	239	6.8	166	6.6	90	5.3	-4.9

SEP. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	271	8.9	227	6.8	168	7.0	97	5.4	26.1
2	244	7.6	218	9.3	174	8.7	100	6.7	17.0
4	269	9.8	209	8.0	149	7.6	88	6.1	20.4
6	206	10.0	178	9.4	147	8.2	82	6.3	20.6
8	223	9.9	190	9.0	155	7.5	93	6.0	30.3
10	234	9.7	191	8.6	154	7.9	96	6.5	22.9
12	239	6.0	203	7.6	163	8.1	101	6.3	9.4
14	265	7.3	189	9.7	138	8.1	75	6.3	8.8
16	246	5.4	174	9.3	129	8.8	77	6.9	9.3
18	248	5.3	188	7.5	135	7.8	72	6.1	10.1
20	247	5.3	209	6.5	168	7.6	100	6.8	12.0
22	249	8.9	183	6.1	141	7.9	77	6.1	25.1
MEAN	245	7.8	197	8.1	152	7.9	88	6.3	17.7

SEP.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	386	2.5	308	5.6	233	4.9	129	4.9	-19.9
2	434	7.0	276	4.4	186	7.4	100	6.1	-7.1
4	394	9.3	299	6.1	202	7.6	112	7.3	-0.3
6	423	6.6	301	5.5	193	9.1	106	7.6	-30.8
8	475	13.8	344	8.4	239	7.1	125	7.3	-81.0
10	415	12.8	309	7.4	227	6.1	122	5.6	-17.9
12									
14									
16									
18	282	7.5	255	7.3	205	8.8	117	7.7	-1.6
20	402	13.1	313	12.3	235	9.7	126	7.3	-6.3
22	377	12.8	283	7.3	212	8.0	127	6.2	1.2
MEAN	399	9.5	299	7.1	215	7.6	118	6.7	-18.2

SEP.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	387	9.1	277	7.1	212	7.1	123	5.5	7.9
2	415	7.8	283	8.8	209	7.3	113	6.3	-17.0
4	262	6.3	231	7.3	178	9.6	98	7.6	4.8
6	395	8.3	300	8.3	222	7.9	116	6.8	13.6
8	366	7.3	265	9.1	201	7.2	115	6.6	3.6
10	301	1.0	243	9.3	190	6.9	112	5.8	16.5
12	315	12.0	238	7.2	189	5.9	120	4.7	14.3
14	363	6.8	297	6.4	216	6.1	125	5.3	-2.3
16	453	13.2	311	6.8	235	6.3	131	5.5	-10.2
18	318	5.3	268	5.8	207	5.4	117	4.6	18.8
20	284	9.4	240	7.4	203	5.5	124	4.9	23.2
22	307	5.5	215	7.1	175	6.1	119	4.8	14.9
MEAN	347	7.7	264	7.5	203	6.8	118	5.7	7.3

SEP.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	269	6.1	192	7.6	161	6.4	108	4.4	23.0
2	291	3.4	239	6.6	198	5.4	130	4.4	16.1
4	409	9.4	312	8.2	241	6.8	148	5.3	0.4
6	428	9.0	326	8.6	251	7.3	148	6.0	0.0
8	458	14.6	313	11.5	241	7.6	162	5.3	23.1
10	260	5.7	218	7.7	186	6.9	129	4.9	18.6
12	254	4.7	220	7.5	183	6.4	125	4.2	11.8
14	272	10.5	240	7.9	209	6.9	147	5.3	10.1
16	379	6.9	294	8.7	247	7.1	175	5.2	17.6
18	333	11.3	299	7.6	251	6.7	180	4.7	33.3
20	293	7.1	253	9.0	219	7.4	140	5.6	7.4
22	251	4.4	214	11.3	174	8.4	109	7.0	-2.9
MEAN	325	7.8	260	8.5	213	6.9	142	5.2	13.2

SEP.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	215	13.8	188	9.5	162	6.7	108	4.4	22.9
2	281	15.9	239	9.2	195	6.6	139	4.4	16.9
4	309	7.9	272	9.3	235	7.6	157	5.3	12.0
6	395	11.6	309	9.3	261	7.2	177	5.4	9.9
8	388	9.5	296	8.8	249	7.1	179	4.9	26.9
10	271	18.1	242	10.4	209	6.8	143	5.3	5.3
12	279	9.3	246	7.4	202	5.9	130	4.3	12.6
14	325	9.1	256	6.1	211	5.3	155	3.9	27.6
16	431	5.5	326	9.6	262	6.8	189	4.9	-2.5
18	444	8.5	356	7.2	283	6.2	176	5.1	-22.8
20	455	6.3	314	6.9	257	5.9	173	4.5	5.9
22	289	7.0	234	7.9	193	5.8	142	3.9	-8.6
MEAN	340	10.2	273	8.5	227	6.5	156	4.7	8.8

SEP.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	250	11.4	205	8.8	167	6.8	122	4.5	26.0
2	347	10.4	280	10.3	224	7.4	154	5.3	-2.9
4	419	8.8	316	8.1	256	7.5	181	4.6	-4.8
6	367	15.3	313	10.0	266	7.3	168	5.6	3.1
8	366	21.8	315	11.1	262	7.5	166	6.3	16.5
10	309	11.1	283	8.2	246	6.3	166	4.9	8.4
12	329	10.8	271	8.2	227	6.1	152	4.3	-8.5
14	309	9.6	290	7.7	248	6.9	148	5.5	6.7
16	435	4.0	349	7.3	294	6.7	189	5.4	9.0
18	496	14.2	402	8.7	319	7.1	205	5.8	6.2
20	404	9.3	322	8.1	269	6.1	183	4.8	29.3
22	302	7.1	255	7.8	215	6.4	143	4.7	22.3
MEAN	361	11.1	300	8.7	249	6.8	165	5.1	9.3

SEP.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	365	2.5	222	6.8	179	4.9	127	3.6	22.3
2	290	5.8	240	6.6	185	6.2	109	4.8	11.3
4	280	10.0	246	8.3	204	6.5	125	5.1	25.7
6	341	10.1	297	9.5	250	6.8	147	5.4	15.4
8	460	8.9	318	8.8	242	8.0	140	6.3	11.8
10	328	7.9	277	6.7	227	5.8	151	4.8	34.0
12	296	5.6	259	6.5	215	5.2	140	4.4	21.6
14	293	12.3	253	7.4	218	6.0	159	4.5	26.6
16	324	9.3	281	7.1	234	5.4	155	4.3	42.7
18	319	6.5	283	6.3	236	5.2	142	4.8	37.6
20	316	8.6	269	6.8	217	5.5	124	4.9	22.1
22	284	10.7	235	6.5	192	5.0	107	4.8	21.2
MEAN	325	8.2	265	7.3	217	5.9	136	4.8	24.4

SEP.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	239	2.0	182	4.0	148	3.5	87	3.8	10.6
2	224	3.1	184	4.6	150	4.1	100	3.7	19.0
4	260	6.7	201	4.4	163	4.3	100	3.9	22.3
6	277	9.0	243	6.9	200	4.9	123	4.4	30.6
8	285	13.8	244	7.2	203	5.4	137	4.1	25.1
10	275	7.3	242	5.1	197	4.9	116	4.6	24.0
12	311	2.5	215	7.6	160	6.4	95	5.4	15.3
14	205	4.0	157	4.9	122	5.5	72	4.6	20.4
16	312	7.4	184	6.8	138	5.8	83	5.1	15.6
18	254	3.1	188	5.4	130	5.6	74	4.7	22.0
20	259	8.8	190	5.3	129	5.5	76	4.9	16.4
22	274	8.3	205	5.0	148	4.9	78	4.5	18.8
MEAN	265	6.3	203	5.6	157	5.1	95	4.5	20.0

SEP.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	229	8.3	189	5.8	147	4.6	82	4.4	25.4
2	221	8.1	179	5.9	142	4.4	83	4.1	20.6
4	220	6.5	182	4.1	145	4.2	85	4.1	16.3
6	268	1.7	202	4.5	146	4.8	81	4.4	25.1
8	267	3.0	177	4.2	123	4.9	70	4.4	9.5
10	183	7.6	160	6.3	124	5.9	75	5.1	12.4
12	232	7.8	145	5.1	109	6.3	65	4.9	11.5
14	155	4.7	120	4.8	90	5.6	54	4.6	10.2
16	273	3.9	166	5.2	115	6.5	70	5.7	5.7
18	288	4.8	240	4.5	173	5.4	92	5.3	10.4
20	285	8.4	206	5.0	147	5.6	83	5.1	8.6
22	261	8.5	226	6.1	161	5.6	86	5.4	7.4
MEAN	240	6.1	183	5.1	135	5.3	77	4.8	13.6

SEP.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	226	12.8	172	6.6	136	5.3	77	4.9	10.7
2	243	2.9	151	4.8	105	5.1	62	4.8	5.9
4	205	4.1	145	5.0	108	4.8	63	4.9	7.4
6	205	8.9	146	4.5	107	4.6	65	4.6	8.6
8	111	4.9	98	5.5	81	5.9	49	4.8	7.9
10	238	4.5	142	5.6	104	5.8	63	5.1	5.4
12	233	5.1	154	6.6	110	6.6	64	5.5	3.1
14	260	7.6	159	5.9	116	6.8	72	5.7	2.2
16	211	4.8	164	6.3	125	6.2	73	5.5	1.9
18	277	4.7	214	5.0	140	5.7	81	5.1	-1.7
20	204	11.5	158	8.0	121	7.5	70	5.3	2.5
22	267	5.1	171	6.4	139	6.1	82	5.2	1.2
MEAN	223	6.4	156	5.8	116	5.9	68	5.1	4.6

SEP.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	4.3	153	4.9	120	5.8	73	4.9	3.1
2	165	7.3	138	4.7	105	5.7	63	4.8	5.6
4	163	4.3	116	4.3	89	4.9	55	4.3	3.5
6	186	4.1	117	5.3	92	4.9	58	4.5	7.6
8	178	4.3	120	5.0	89	5.0	55	4.4	6.6
10	192	7.8	136	5.0	101	5.0	61	4.3	5.7
12	420	4.3	167	4.4	115	4.8	68	3.9	0.3
14	277	5.1	194	5.4	118	5.4	67	4.3	8.7
16	219	4.0	139	5.7	101	6.1	62	4.4	9.1
18	169	8.0	126	5.0	99	5.6	60	4.6	9.4
20	307	2.6	129	6.1	86	5.4	52	4.0	14.1
22	156	7.7	107	5.7	83	5.1	51	3.9	18.3
MEAN	221	5.3	137	5.1	100	5.3	60	4.4	7.7

SEP.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	164	4.4	129	4.6	98	4.7	63	3.9	15.6
2	289	3.0	202	3.7	136	4.2	76	4.0	14.4
4	465	4.0	225	3.8	137	4.5	76	4.0	-7.5
6	471	10.5	427	5.1	277	4.1	160	4.2	-81.0
8	477	10.1	460	5.6	318	5.5	183	4.5	-81.0
10	504	5.4	409	6.6	257	5.6	143	5.0	-81.0
12	431	5.4	232	4.4	158	4.6	86	3.8	12.4
14	486	2.6	285	4.3	173	5.1	93	4.1	-2.0
16	317	1.2	212	4.4	131	5.3	74	4.1	4.9
18	421	4.8	232	5.0	141	5.3	75	4.2	5.9
20	318	4.3	224	5.3	145	5.2	82	4.3	-4.5
22	214	4.6	140	5.4	107	5.6	64	4.3	5.8
MEAN	380	5.0	265	4.8	173	5.0	98	4.2	-16.5

SEP.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	220	3.5	129	5.0	98	5.6	60	4.3	6.9
2	214	3.8	130	5.8	97	5.8	58	4.6	5.8
4	236	4.3	143	5.3	98	5.2	57	4.2	2.5
6	431	2.6	208	3.7	126	4.9	67	3.8	-4.0
8	240	3.8	204	3.5	153	3.9	78	3.7	-29.0
10	275	5.3	215	4.1	152	4.4	79	3.8	-25.3
12									
14									
16									
18	254	4.1	174	5.2	108	5.7	62	4.4	-4.6
20	219	3.7	133	5.1	94	5.3	56	4.3	1.0
22									
MEAN	261	3.9	167	4.7	116	5.1	65	4.1	-5.8

SEP.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	430	3.6	255	5.3	161	6.0	82	4.6	-20.6
2	287	3.8	189	5.8	121	6.2	72	4.6	9.9
4	451	5.8	269	4.7	173	5.1	89	4.3	-2.4
6	445	6.4	225	4.4	145	4.8	76	4.0	-17.6
8	449	3.8	227	3.2	168	3.8	85	3.8	-38.3
10	274	2.7	223	4.9	177	4.6	96	3.9	-20.2
12	442	2.6	235	5.1	179	4.8	92	4.3	-19.0
14	324	5.9	226	4.6	132	4.9	75	3.8	12.8
16	336	7.8	226	4.5	133	4.8	73	3.8	12.4
18	427	4.7	251	4.9	193	4.8	105	4.2	-36.6
20	495	3.0	370	4.5	266	4.1	143	4.1	-81.0
22	502	6.3	350	4.5	270	3.8	148	3.9	-60.1
MEAN	405	4.7	254	4.7	177	4.8	95	4.1	-21.7

SEP.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	470	4.8	305	4.8	206	4.7	111	4.3	2.8
2	359	4.0	236	3.8	147	5.1	83	4.1	4.4
4	459	3.5	190	4.6	122	5.1	73	4.1	3.5
6	482	7.8	302	4.3	196	4.8	106	4.4	-2.4
8	478	1.3	339	5.3	246	4.0	132	4.3	-30.1
10	493	5.6	452	8.1	286	5.6	161	5.0	-68.8
12	474	12.4	463	13.3	444	8.3	244	7.1	-39.0
14	491	7.5	403	7.0	258	5.4	140	5.2	-11.9
16	465	7.3	255	4.6	166	5.3	102	4.8	9.5
18	534	17.7	496	9.6	459	8.4	267	6.2	37.1
20	493	18.6	475	10.6	454	11.6	392	8.0	9.7
22	646	6.6	532	11.5	464	12.4	417	8.5	99.0
MEAN	487	8.1	371	7.3	287	6.7	186	5.5	1.2

SEP.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	507	7.1	398	5.9	252	5.6	137	5.3	-34.1
2	391	6.8	293	5.9	222	5.9	125	5.1	-6.9
4	436	4.4	306	6.6	204	5.8	113	4.9	5.6
6	514	6.8	300	5.1	236	5.0	143	4.8	7.1
8	497	6.6	443	7.2	272	5.3	177	5.1	22.2
10	481	2.8	318	3.9	205	4.9	138	3.9	-81.0
12	503	5.7	315	4.3	217	4.9	155	4.2	3.1
14	488	5.8	334	6.6	264	5.6	187	4.0	15.3
16	335	8.0	294	5.2	231	5.5	137	5.1	18.0
18	325	9.3	266	5.9	206	5.6	116	4.9	15.0
20	238	7.7	192	7.6	134	6.4	72	4.8	20.1
22	325	7.1	229	5.8	166	5.2	92	4.4	12.0
MEAN	420	6.5	307	5.8	217	5.5	133	4.7	-0.3

SEP.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	313	8.0	222	6.1	175	4.8	101	4.3	15.6
2	363	2.6	271	6.3	179	5.6	95	4.8	9.4
4	289	3.1	205	6.0	145	6.3	84	4.7	1.8
6	495	5.0	220	6.6	135	6.3	78	4.6	-1.9
8	481	7.9	294	5.1	182	6.1	95	4.9	-6.5
10	486	8.6	351	4.6	255	4.3	132	4.9	-24.3
12	489	6.2	315	5.1	227	5.1	119	5.0	-31.7
14	585	7.9	327	4.8	204	5.4	109	4.8	-3.5
16	411	2.6	249	4.5	149	5.7	82	4.8	-53.5
18	458	3.0	278	4.6	166	5.6	91	4.5	-4.9
20									
22									
MEAN	437	5.5	273	5.4	182	5.5	99	4.7	-10.0

SEP.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	501	7.1	320	5.6	200	6.3	111	5.1	2.0
18	434	12.2	332	6.3	254	4.9	153	4.5	17.4
20	487	2.9	347	5.8	239	5.3	156	4.3	-55.8
22	491	18.9	453	8.1	404	6.5	203	5.9	4.9
MEAN	478	10.3	363	6.4	274	5.7	156	4.9	-7.9

SEP.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	505	15.6	455	13.7	429	11.5	291	8.0	16.2
2	556	9.4	501	7.3	450	5.5	258	5.3	-18.0
4	504	3.9	322	5.4	245	5.3	169	4.1	25.0
6	511	5.8	376	6.4	277	5.5	163	5.0	0.4
8	490	7.1	346	6.1	255	5.6	159	5.1	-0.7
10	501	7.1	343	6.9	243	5.6	153	4.9	4.5
12									
14									
16									
18									
20									
22									
MEAN	511	8.1	391	7.6	317	6.5	199	5.4	4.6

SEP.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 4.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 5.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 6.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.15,1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

OCT.31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 4.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 5.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 6.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 1.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 2.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 3.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 4.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 5.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 6.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 7.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.10.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 8.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.11.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
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8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC. 9.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.12.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.13.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.14.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.15.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.16.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.17.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.18.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.19.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
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12									
14									
16									
18									
20									
22									
MEAN									

DEC.20.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.21.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.22.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.23.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
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12									
14									
16									
18									
20									
22									
MEAN									

DEC.24.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.25.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.26.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.27.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.28.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.29.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.30.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
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10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.31.1988

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
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12									
14									
16									
18									
20									
22									
MEAN									

JAN. 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
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12									
14									
16									
18									
20									
22									
MEAN									

JAN. 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 4.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 5.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 6.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC).	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JAN.31.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 4.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 5.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 6.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

FEB.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	204	8.1	174	6.5	145	5.9	94	4.8	23.8
20	317	5.2	215	5.5	174	5.8	111	4.9	24.8
22	316	6.4	193	6.3	157	6.2	104	4.8	20.6
MEAN	279	6.6	194	6.1	159	6.0	103	4.8	23.1

FEB.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	209	7.8	175	7.2	150	6.6	98	5.3	24.3
2	206	7.8	186	7.1	157	6.5	108	5.4	19.9
4	334	5.7	228	7.5	197	7.3	134	5.8	22.7
6	316	8.3	271	7.8	226	7.9	153	6.4	23.7
8	273	7.6	233	7.9	202	7.6	136	6.1	25.9
10	234	7.8	212	8.5	183	8.2	121	6.3	24.5
12	197	9.5	162	8.5	141	7.8	95	5.6	21.1
14	253	5.7	197	8.2	158	7.6	97	5.8	24.8
16	233	7.8	203	10.3	170	9.2	109	6.5	24.6
18	247	11.0	216	9.6	183	8.5	120	6.4	26.6
20	257	4.9	211	9.9	179	9.8	116	7.0	25.6
22	233	9.8	190	8.3	161	8.3	106	6.4	25.5
MEAN	249	7.8	207	8.4	176	7.9	116	6.1	24.1

FEB.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	9.6	193	9.6	160	9.5	104	7.3	28.7
2	211	12.8	191	11.4	162	9.4	102	6.9	16.0
4	215	12.3	192	10.8	164	9.5	103	6.8	21.7
6	263	7.8	213	9.3	177	9.6	110	7.2	26.7
8	256	10.6	228	10.5	191	10.5	116	6.9	25.9
10	249	11.3	194	11.3	156	9.8	98	7.1	26.9
12	186	11.6	148	10.2	125	9.8	82	7.2	19.1
14	176	11.2	137	9.9	111	9.5	70	6.2	27.9
16	187	12.2	160	11.9	128	9.3	82	6.8	26.5
18	198	11.2	181	10.3	158	9.5	97	6.7	23.1
20	257	5.0	198	9.8	162	8.8	99	6.8	24.5
22	222	13.0	195	11.4	159	8.9	97	6.5	24.9
MEAN	220	10.7	186	10.5	154	9.5	97	6.9	24.3

FEB.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	208	13.0	190	12.3	160	10.5	100	7.3	28.7
2	225	14.5	201	10.8	162	9.9	96	7.4	26.1
4	350	7.9	226	10.5	181	9.6	108	6.9	22.6
6	293	12.7	237	11.4	187	10.2	106	7.1	27.4
8	269	10.8	233	10.2	192	10.2	115	7.3	20.7
10	333	11.8	207	9.2	164	8.9	92	6.3	26.4
12	185	11.2	150	9.4	127	7.8	79	5.8	25.6
14	137	6.3	122	9.8	102	7.9	63	5.8	26.1
16	150	10.6	129	10.1	108	8.4	69	6.0	8.2
18	206	11.8	165	10.9	131	9.0	80	6.1	9.0
20	269	8.1	171	10.5	138	9.8	91	6.8	3.0
22	184	8.0	155	9.2	126	8.1	80	5.8	-1.3
MEAN	234	10.6	182	10.4	148	9.2	90	6.5	18.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 1.1989 TMEAM (SEC)	THETA (DEG)
0	192	9.9	149	9.5	124	8.4	80	5.8	3.3
2	202	6.8	175	9.4	143	8.2	89	5.8	-4.4
4	208	6.4	171	8.1	141	7.6	88	5.8	-5.4
6	269	10.1	189	8.5	151	7.3	93	5.8	-8.0
8	271	11.0	199	8.5	155	7.3	98	6.0	-6.7
10	217	5.6	167	7.3	133	6.3	78	5.2	-3.3
12	171	8.9	146	7.9	124	7.3	77	5.5	-7.8
14	174	14.5	134	10.7	110	8.0	66	5.6	-6.9
16	146	7.5	123	8.8	104	7.5	63	5.5	-4.9
18	170	5.7	136	8.3	113	8.3	71	5.9	-1.8
20	185	7.1	150	8.9	124	7.0	76	5.3	1.0
22	188	12.1	151	9.0	123	7.4	74	5.4	0.1
MEAN	199	8.8	158	8.7	129	7.5	79	5.6	-3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 4.1989 TMEAM (SEC)	THETA (DEG)
0	195	8.5	147	8.0	122	6.8	72	5.3	2.1
2	221	11.1	181	9.0	143	7.1	78	5.6	4.3
4	241	5.6	187	8.0	147	7.6	84	6.4	0.1
6	233	12.3	187	8.0	153	7.9	84	6.1	1.2
8									
10	214	8.7	184	10.4	149	8.9	85	6.5	4.1
12	233	9.1	200	10.8	156	8.8	86	6.5	3.1
14	238	12.4	181	9.8	146	8.4	87	6.1	-3.2
16	188	14.8	160	9.1	132	7.8	79	5.6	-1.6
18	156	6.3	136	10.9	113	9.0	67	5.8	-4.2
20	133	7.4	114	10.5	94	8.8	59	6.3	-6.6
22	157	9.2	130	9.4	111	9.3	71	6.5	-5.3
MEAN	201	9.6	164	9.4	133	8.2	77	6.1	-0.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 2.1989 TMEAM (SEC)	THETA (DEG)
0	184	10.8	158	9.6	133	9.1	88	6.3	13.7
2	191	7.6	155	7.8	128	6.4	82	5.1	26.2
4	206	6.5	169	7.8	144	6.9	89	5.0	21.5
6	205	8.3	160	7.8	132	6.5	87	5.4	22.9
8	291	4.8	175	7.1	143	6.9	89	5.1	25.7
10	184	6.9	147	6.5	120	5.9	75	4.8	21.8
12									
14	187	9.5	130	7.2	107	6.0	70	4.8	16.5
16	137	11.1	117	8.3	100	7.0	62	5.0	19.9
18	147	7.6	116	5.0	96	5.1	58	4.6	18.4
20	144	9.6	124	8.5	105	6.6	63	5.0	-2.3
22	182	6.1	141	8.2	118	6.6	71	5.0	6.5
MEAN	187	8.1	145	7.6	121	6.6	76	5.1	17.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 5.1989 TMEAM (SEC)	THETA (DEG)
0	210	9.5	175	10.9	147	9.2	91	6.3	-0.1
2	227	10.4	193	9.1	162	8.3	101	6.0	9.5
4	200	12.0	173	8.3	151	7.5	99	5.8	3.5
6	203	4.0	171	7.9	144	7.8	95	5.8	10.7
8	223	12.5	175	9.3	144	7.6	93	5.6	20.1
10	182	12.6	161	9.6	134	8.7	86	6.1	19.7
12	224	7.4	181	9.3	152	9.0	102	6.6	11.1
14	320	8.1	206	8.4	161	7.6	102	6.0	8.6
16	183	11.1	169	9.6	142	7.9	92	5.9	6.8
18	149	9.2	124	6.9	102	6.3	63	5.0	3.4
20	142	6.3	107	5.8	86	5.9	54	4.7	2.8
22	144	11.8	115	8.4	89	6.6	52	4.6	8.2
MEAN	201	9.6	163	8.6	135	7.7	86	5.7	8.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 3.1989 TMEAM (SEC)	THETA (DEG)
0	194	10.1	156	8.1	131	7.6	79	5.6	-1.0
2	200	9.8	183	9.4	155	8.7	99	6.4	2.2
4									
6	186	8.6	166	8.2	144	8.0	91	6.2	-1.7
8	218	11.8	185	10.5	148	8.3	82	6.0	1.3
10	201	6.0	166	7.9	132	6.7	74	5.4	0.3
12	170	12.3	152	9.1	129	7.3	78	5.7	0.8
14	163	12.1	138	7.5	114	6.9	70	5.5	-1.1
16	126	10.8	111	8.5	93	6.8	57	5.1	-6.5
18	149	10.0	118	9.9	99	7.9	61	5.4	1.4
20	124	6.6	109	8.2	94	7.3	59	5.3	-1.8
22	148	10.1	132	8.9	113	7.4	67	5.6	7.7
MEAN	171	9.8	147	8.7	123	7.5	74	5.7	0.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAR. 6.1989 TMEAM (SEC)	THETA (DEG)
0	176	5.8	141	8.1	117	6.6	71	5.1	4.9
2	194	5.8	171	8.0	150	7.9	99	6.2	13.7
4	222	10.1	186	8.4	160	7.3	102	6.1	14.5
6	221	7.4	174	8.1	146	7.0	98	5.9	12.3
8	197	5.4	168	7.9	144	7.8	96	5.9	4.9
10	193	6.8	167	8.0	143	7.1	91	5.9	10.5
12	198	11.2	176	7.3	148	6.4	89	5.5	9.7
14	227	7.0	195	8.0	154	7.3	89	5.6	12.5
16	228	5.3	193	7.8	159	7.9	96	6.1	10.9
18	196	9.8	161	8.6	133	7.6	80	5.8	5.8
20	132	9.2	119	7.8	100	8.1	62	5.6	6.2
22	133	5.8	110	9.5	92	8.9	57	6.2	15.7
MEAN	193	7.5	163	8.1	137	7.5	86	5.8	10.1

MAR. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	10.4	134	10.0	110	8.3	70	5.9	13.9
2									
4	244	8.8	179	7.3	149	6.8	96	5.7	23.2
6	323	3.6	182	7.3	148	6.8	95	5.2	22.4
8	167	7.3	144	8.4	123	7.3	80	5.5	25.6
10	174	7.4	141	8.0	121	7.3	78	5.6	18.1
12	188	7.1	167	9.0	145	7.9	98	6.0	15.6
14	205	12.6	184	6.9	153	6.9	95	5.6	3.6
16	208	7.9	183	7.1	150	6.8	97	5.9	7.6
18	231	7.2	182	9.3	147	7.1	92	5.6	10.8
20	137	6.8	116	7.1	98	5.9	59	4.9	-3.6
22	134	12.8	105	6.0	86	5.3	54	4.7	15.0
MEAN	198	8.4	156	7.9	130	6.9	83	5.5	13.8

MAR.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	159	11.7	136	6.5	112	5.4	70	5.1	3.8
2	201	11.3	172	9.3	143	6.8	86	5.8	3.5
4	220	8.5	186	8.2	163	8.1	95	6.3	5.1
6	265	11.6	221	9.4	182	9.1	105	7.1	7.5
8									
10	146	12.0	123	10.1	97	6.4	57	5.3	8.2
12	159	4.2	116	5.3	91	4.6	57	4.5	0.9
14	162	5.5	138	7.4	111	6.3	61	5.6	6.7
16	262	10.8	196	9.9	164	8.1	94	6.2	8.1
18	242	5.3	184	7.9	139	7.6	69	5.7	3.0
20	206	9.9	178	9.9	144	8.1	78	6.3	9.3
22									
MEAN	202	9.1	165	8.4	135	7.0	77	5.8	5.6

MAR. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	170	3.2	134	5.8	110	5.8	67	4.6	21.5
2	307	3.0	182	6.8	150	7.1	95	5.7	12.4
4	221	5.5	186	7.3	159	7.1	105	5.8	0.1
6	225	9.3	182	7.1	154	6.6	97	5.3	3.4
8	171	4.1	156	7.0	136	6.9	86	5.5	0.0
10	167	3.4	133	5.1	105	5.1	63	4.4	2.0
12	174	14.0	129	5.1	104	5.1	61	4.5	-2.2
14	212	10.1	170	9.5	145	7.5	91	5.8	11.4
16	240	2.3	202	8.7	167	7.4	106	6.3	9.7
18	254	10.6	197	10.2	165	8.1	103	6.2	13.9
20	181	9.5	153	10.3	126	7.3	75	5.4	9.1
22	126	8.8	104	6.2	83	5.1	53	4.6	8.4
MEAN	204	7.0	161	7.4	134	6.6	84	5.3	7.5

MAR.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	206	8.8	177	8.5	134	7.8	73	6.5	5.0
20	191	9.3	160	7.9	114	7.6	59	5.8	12.6
22	186	10.9	160	8.5	123	7.3	62	5.8	-2.8
MEAN	194	9.7	166	8.3	124	7.6	65	6.0	4.9

MAR. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	174	8.7	127	8.5	103	6.3	61	5.1	3.1
2	185	12.5	150	10.2	125	7.3	78	5.6	6.7
4	204	11.0	174	7.1	148	6.3	90	5.6	13.9
6	246	7.5	202	9.8	169	7.6	104	5.8	10.8
8	208	7.4	161	7.9	134	6.4	84	5.4	8.6
10	151	7.7	125	6.7	101	5.8	62	4.9	9.8
12	169	4.1	137	7.6	113	5.8	68	5.2	5.7
14	200	11.6	167	9.5	139	7.5	85	5.7	10.8
16	232	4.9	199	8.8	166	7.6	101	6.2	11.1
18	222	9.4	196	8.9	171	8.6	110	6.6	11.8
20	183	11.9	167	10.1	144	7.5	85	6.1	4.9
22	170	14.8	136	8.2	111	6.3	64	5.1	11.4
MEAN	195	9.3	162	8.6	135	6.9	83	5.6	9.0

MAR.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	200	4.9	158	6.6	119	5.9	64	5.3	2.7
2	177	6.6	153	6.8	113	6.9	57	5.4	10.2
4	195	9.0	158	6.8	113	7.4	61	6.1	9.3
6	156	11.1	112	9.5	79	9.0	46	6.6	6.8
8	195	4.6	125	6.8	90	7.5	48	5.9	8.1
10	136	3.8	108	4.9	75	6.1	44	4.8	-2.7
12									
14	132	3.8	105	5.6	80	5.1	43	4.6	6.1
16	157	4.3	132	6.1	98	6.4	50	5.2	7.5
18	138	8.5	104	5.8	70	7.6	38	5.3	2.2
20	164	4.1	115	6.9	75	6.9	38	5.1	2.8
22	184	4.5	138	6.6	83	7.4	43	5.4	2.9
MEAN	167	5.9	128	6.6	90	6.9	48	5.4	5.1

MAR.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	162	8.5	119	7.1	81	7.1	44	5.4	1.3
2									
4	124	4.6	110	7.3	76	8.0	40	6.1	2.8
6	192	5.1	102	9.2	69	8.8	39	5.9	3.0
8	116	9.9	80	9.3	60	8.6	35	6.3	-1.9
10	164	9.5	109	6.6	71	7.5	39	5.9	4.2
12	117	8.3	88	4.8	64	5.7	37	4.9	-3.0
14	128	3.7	96	4.6	61	5.3	33	4.1	5.6
16	122	5.1	90	5.5	66	5.1	40	3.9	-15.1
18	104	5.0	82	5.9	56	5.4	33	4.3	-7.2
20	72	4.6	60	7.8	46	6.8	29	4.9	-9.4
22	96	4.8	66	7.4	52	6.9	33	5.4	-8.7
MEAN	127	6.3	91	6.9	64	6.8	37	5.2	-2.6

MAR.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	92	6.9	75	6.3	58	6.9	35	5.2	-6.6
2	266	3.0	107	5.8	75	5.9	44	4.1	-10.6
4	142	6.5	119	6.1	94	6.6	56	4.8	-0.7
6	211	6.0	169	6.9	124	7.2	71	5.0	3.4
8	287	9.8	200	8.3	157	7.6	89	5.6	-3.8
10	203	10.1	172	7.3	142	6.9	85	5.4	2.3
12	183	11.6	143	8.0	119	6.5	73	5.1	6.7
14	147	4.8	126	4.5	95	5.1	56	4.3	4.2
16	130	7.8	112	6.1	91	5.6	55	4.5	5.8
18	168	6.1	143	6.3	115	5.9	68	5.1	6.1
20	192	9.1	166	7.3	132	6.8	74	5.3	5.7
22	189	8.0	161	8.3	121	7.1	63	5.0	4.6
MEAN	184	7.5	141	6.8	110	6.5	64	4.9	1.4

MAR.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	204	4.1	162	7.1	123	7.1	71	5.6	5.0
2	210	8.9	168	8.3	133	7.1	77	5.8	3.4
4	221	6.3	167	6.3	120	6.4	69	5.5	11.9
6	214	8.9	182	7.3	146	6.7	90	6.3	7.7
8									
10									
12	185	4.0	154	6.8	122	7.3	77	6.1	14.7
14									
16	150	9.4	124	6.5	102	5.8	62	4.8	14.0
18	134	12.6	117	8.8	101	6.8	65	4.9	19.1
20	157	7.4	131	6.8	106	6.2	62	4.8	21.7
22	182	8.5	153	7.9	125	6.0	79	5.1	19.9
MEAN	184	7.8	151	7.3	120	6.6	72	5.4	13.0

MAR.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	3.2	149	7.6	124	6.6	74	5.1	22.4
2	282	4.0	165	7.6	134	6.8	79	5.3	23.7
4	197	12.9	171	10.8	140	7.6	82	5.8	22.4
6	224	9.1	183	9.0	149	8.4	86	6.3	21.5
8	213	9.1	170	9.5	141	7.7	81	5.8	24.8
10	217	8.9	171	8.8	146	7.3	84	5.6	17.8
12	212	3.8	178	9.0	143	8.4	84	6.4	21.2
14	153	12.2	134	12.4	115	8.4	71	6.3	20.8
16	134	6.8	113	7.0	96	6.5	54	5.0	22.4
18	142	3.9	113	5.8	92	5.9	52	5.1	22.9
20	142	20.1	125	10.5	104	7.2	64	5.6	16.4
22	186	10.0	144	9.8	123	8.4	75	6.1	23.2
MEAN	190	8.7	151	9.0	126	7.4	74	5.7	21.6

MAR.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	202	8.3	170	9.3	141	8.8	87	6.7	23.7
2	196	10.7	172	8.8	145	7.9	86	6.1	19.2
4	228	8.8	192	11.4	160	10.2	99	7.6	18.7
6	224	10.0	194	9.7	160	9.1	96	6.8	17.3
8	197	11.7	166	8.9	145	8.6	87	6.6	22.3
10	235	14.3	188	9.9	154	8.8	93	6.4	16.1
12	220	10.4	180	9.5	154	9.1	96	6.8	18.7
14	219	13.0	172	9.6	141	8.1	93	6.5	21.4
16	217	5.7	159	8.3	127	7.9	78	5.9	22.7
18	152	14.0	128	9.3	106	7.5	65	5.6	18.7
20	143	11.3	125	8.4	106	6.8	61	5.3	14.3
22	163	11.0	134	8.5	113	7.3	67	5.6	22.2
MEAN	200	10.8	165	9.3	138	8.3	84	6.3	19.6

MAR.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	11.4	176	9.0	143	8.5	86	6.5	23.9
2	225	7.9	184	7.9	150	7.8	86	6.1	23.1
4									
6	201	9.8	173	10.0	143	8.8	85	6.8	24.4
8	215	7.8	181	6.8	145	7.3	86	6.4	23.0
10	204	10.3	178	10.4	145	9.9	89	7.4	22.5
12	199	11.1	160	10.3	130	8.8	72	6.4	20.1
14	182	8.3	152	8.4	115	8.3	68	6.1	17.7
16	188	11.6	166	9.1	122	8.3	71	6.0	23.5
18	146	8.0	128	7.9	108	6.5	67	5.5	23.4
20	135	8.2	118	7.1	98	6.6	57	5.1	24.2
22	267	8.4	145	7.9	108	6.2	61	4.8	22.5
MEAN	198	9.3	160	8.6	128	7.9	75	6.1	22.6

MAR.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	10.1	125	6.6	92	6.2	58	4.8	28.0
2	169	12.4	120	7.6	90	6.9	55	5.3	24.4
4									
6									
8	190	8.3	156	8.7	110	8.0	57	5.9	19.4
10	182	11.4	131	9.0	91	7.6	50	5.4	24.5
12	179	14.0	126	9.3	95	8.1	54	5.8	17.9
14									
16	189	11.0	150	8.7	113	7.3	65	5.4	19.1
18									
20	144	7.5	121	7.9	99	6.4	61	4.8	24.5
22									
MEAN	177	10.7	133	8.3	99	7.2	57	5.3	22.5

MAR.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	9.3	143	7.3	112	6.5	69	5.1	25.5
2	167	7.8	139	7.1	107	6.9	62	5.3	23.4
4									
6	187	9.9	153	8.1	129	7.6	76	6.3	24.6
8	206	9.8	165	8.1	126	7.1	70	5.7	25.5
10	184	9.5	148	8.0	121	6.4	71	5.3	25.4
12	187	7.3	163	7.4	131	7.5	79	6.1	27.2
14	180	5.0	155	6.5	123	7.3	74	5.6	23.8
16	231	7.3	166	6.8	127	7.3	77	5.4	23.8
18	185	13.0	158	8.6	131	7.1	83	5.6	22.4
20	175	11.2	149	8.6	125	7.7	76	5.9	19.9
22	160	3.8	139	9.8	116	8.1	68	5.7	19.0
MEAN	186	8.5	153	7.8	123	7.2	73	5.6	23.7

MAR.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	180	6.9	164	8.9	138	8.3	82	6.3	12.5
2	199	13.3	173	9.2	153	8.5	95	6.3	17.5
4									
6	237	10.3	205	10.1	179	9.5	115	7.1	7.2
8	275	6.5	193	10.5	158	8.2	103	6.4	12.1
10									
12	221	8.3	184	8.5	150	7.6	91	5.9	20.7
14	292	18.4	231	15.0	174	12.3	108	8.2	25.4
16	263	14.1	222	12.1	174	11.4	100	7.3	20.7
18	234	6.4	183	9.4	146	8.2	87	6.0	16.8
20	258	15.3	169	11.5	125	8.5	74	6.3	15.6
22	180	10.0	141	10.0	117	10.9	75	7.8	16.5
MEAN	234	10.9	187	10.5	151	9.3	93	6.8	16.5

MAR.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	196	19.4	147	12.6	117	8.9	73	6.5	15.1
2	250	5.5	206	13.3	164	9.7	102	7.3	15.2
4	231	13.0	204	13.3	168	9.8	109	7.5	19.3
6	239	11.8	189	11.3	158	10.0	89	6.3	20.0
8	201	3.3	166	10.8	128	8.6	73	6.3	17.0
10	183	13.8	157	10.3	125	9.3	76	6.5	16.5
12	211	9.7	163	8.3	130	8.3	82	6.4	16.2
14	250	7.3	188	8.8	159	9.8	103	7.4	17.7
16	223	17.6	196	13.0	168	11.2	109	7.7	15.8
18	255	14.5	194	11.3	151	9.1	92	6.7	15.8
20	186	18.3	153	12.5	123	9.3	73	6.5	15.9
22	177	13.8	130	12.2	107	8.8	67	6.4	14.8
MEAN	217	12.3	174	11.5	142	9.4	87	6.8	16.6

MAR.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	171	7.9	147	9.8	123	8.6	76	6.1	11.4
2	227	4.8	171	11.3	145	9.8	91	6.9	19.6
4	258	7.0	221	11.7	183	10.8	110	7.9	11.9
6	251	8.5	201	12.9	159	10.4	99	6.9	16.2
8	198	11.6	165	13.7	128	9.4	73	6.4	19.0
10	137	14.1	128	10.3	106	8.2	65	6.1	18.5
12	171	17.8	141	11.6	112	8.9	67	6.1	24.2
14	192	16.4	164	10.9	136	9.0	86	6.8	18.1
16	223	18.3	201	12.5	171	10.5	106	7.6	14.2
18	261	5.1	207	10.0	168	10.2	103	7.2	16.3
20	179	8.3	152	7.3	127	8.1	76	6.3	11.0
22	142	16.6	127	10.5	100	8.6	61	6.3	18.5
MEAN	201	11.4	169	11.0	138	9.4	84	6.7	16.6

MAR.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	177	3.4	139	9.3	111	7.8	65	5.7	19.9
2	218	13.1	181	12.2	145	10.2	89	7.0	19.2
4	202	14.8	176	12.0	148	10.3	92	7.0	12.1
6	205	12.1	184	11.2	152	9.5	92	6.7	13.3
8	190	13.6	159	9.9	127	7.9	75	6.0	3.5
10	149	8.6	127	10.8	108	8.3	66	5.9	24.5
12	150	14.3	127	8.1	105	6.6	66	5.6	19.8
14	195	12.8	158	10.5	127	7.6	76	5.9	8.0
16	217	8.7	183	9.6	152	8.5	91	6.2	16.8
18	226	8.8	191	9.3	160	9.6	103	6.9	8.5
20	293	9.1	180	9.3	140	6.9	87	5.8	9.2
22	166	11.1	143	9.3	118	7.6	75	5.9	10.2
MEAN	199	10.9	162	10.1	133	8.4	81	6.2	13.7

MAR.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	8.1	150	7.8	123	7.2	75	5.8	5.1
2	197	7.9	173	8.3	140	7.5	84	5.6	1.2
4	254	6.9	213	7.4	170	7.3	107	5.9	0.3
6	356	8.6	225	7.7	173	6.6	102	5.7	-3.3
8	197	8.2	170	8.5	143	7.4	88	5.6	-8.5
10	161	7.3	145	8.4	126	6.8	79	5.8	-7.6
12	295	3.5	153	5.1	118	5.4	68	4.8	-6.3
14	217	9.8	167	6.9	129	7.0	76	5.1	0.5
16	221	4.3	180	7.3	153	7.0	93	5.8	7.4
18	255	11.2	201	7.3	167	7.8	99	6.1	9.8
20	208	4.9	163	5.1	129	5.5	78	4.9	12.5
22	279	3.4	154	4.3	115	4.6	71	4.7	12.0
MEAN	236	7.0	175	7.0	141	6.7	85	5.5	1.9

MAR.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	179	5.3	145	6.8	119	6.3	67	5.1	6.0
2	206	5.1	165	7.7	131	7.6	75	5.4	8.7
4	166	9.6	141	8.2	109	8.9	60	5.8	10.1
6	194	5.6	164	7.1	121	7.8	68	6.1	8.4
8	173	3.9	135	5.0	105	6.1	59	4.9	6.7
10	121	5.5	88	5.6	65	6.1	38	4.5	10.0
12	129	4.9	112	6.6	92	6.3	54	4.6	6.6
14	159	7.8	134	7.1	107	7.1	59	4.9	-4.4
16	158	6.0	123	6.1	93	6.0	55	4.6	2.8
18	183	5.9	122	7.3	86	7.5	48	5.2	3.1
20	154	8.9	129	7.1	105	7.4	61	5.4	18.7
22	183	4.3	122	6.0	87	6.6	51	5.1	5.9
MEAN	167	6.1	132	6.7	102	7.0	58	5.1	6.9

MAR.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	3.6	120	5.2	83	5.4	47	3.9	5.1
2	173	7.8	132	5.8	92	5.9	52	4.1	7.4
4	210	4.1	133	5.6	94	5.2	57	4.1	25.7
6	316	3.2	185	4.4	120	4.7	71	3.8	20.4
8	170	2.3	134	4.3	109	4.6	71	4.1	13.5
10	287	5.9	140	4.4	107	4.7	66	3.8	13.4
12	133	3.4	112	4.1	89	4.6	57	3.9	12.0
14	148	5.8	114	4.4	89	4.6	55	3.9	12.0
16	192	7.2	147	4.1	113	4.6	72	4.1	12.5
18	324	2.8	189	4.4	138	4.9	86	4.3	11.2
20	205	3.6	163	4.9	137	5.5	86	4.5	10.3
22	312	7.6	186	7.0	149	6.3	97	5.3	-4.9
MEAN	221	4.8	146	4.9	110	5.1	68	4.1	11.5

MAR.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	211	3.5	170	5.9	140	6.0	92	5.2	-4.3
2	206	6.7	177	7.6	146	6.7	89	5.2	-2.9
4	319	5.8	202	7.3	163	6.4	101	5.0	-2.5
6	248	7.0	203	7.1	166	6.5	101	5.0	-2.4
8	198	6.6	165	6.4	137	6.1	85	4.6	-1.1
10	186	5.4	150	6.3	122	6.1	77	4.9	-4.5
12	170	3.8	125	5.0	100	5.3	62	4.6	-6.3
14	162	4.6	128	5.9	103	6.2	65	5.0	-8.5
16	169	5.1	143	6.6	116	6.8	74	5.4	-4.8
18	221	2.9	182	7.9	153	7.3	93	5.5	0.6
20	212	5.0	175	6.5	145	6.6	90	5.4	-0.7
22	236	10.2	177	8.4	143	6.8	86	5.3	-2.6
MEAN	212	5.5	166	6.7	136	6.4	85	5.1	-3.3

MAR.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	312	3.6	179	5.6	140	5.8	84	4.8	-4.9
2	231	6.9	199	7.7	164	6.8	104	5.4	0.3
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	272	5.2	189	6.6	152	6.3	94	5.1	-2.3

MAR.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

MAR.31.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

APR. 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	104	6.3	82	6.9	65	6.5	39	4.6	-8.7
2	122	5.9	91	7.3	70	6.8	43	4.8	-5.5
4	110	5.6	98	6.6	74	6.7	45	5.1	-6.4
6	119	5.8	95	6.6	76	6.8	46	4.8	-5.9
8									
10									
12									
14	121	5.8	99	6.5	72	6.6	41	4.7	-0.4
16									
18	113	5.3	91	5.6	76	5.6	48	4.3	-6.4
20	135	5.3	106	5.6	89	5.8	57	4.6	-5.4
22	165	5.2	134	6.1	111	6.6	69	5.1	2.4
MEAN	124	5.6	100	6.4	79	6.4	49	4.7	-4.5

APR. 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	174	7.6	143	7.2	109	7.1	62	5.0	13.2
2	160	3.0	129	6.7	98	7.4	54	4.6	11.5
4	115	8.6	98	7.1	72	7.6	43	5.7	11.7
6	109	8.4	99	8.6	79	8.3	48	5.8	15.2
8	162	4.9	137	6.6	112	6.8	69	5.4	3.5
10	158	7.5	132	6.3	102	6.4	62	5.4	0.6
12	184	7.0	138	6.8	109	7.1	62	5.1	5.8
14	182	5.3	121	6.3	92	5.6	56	4.1	-6.9
16	132	5.8	107	6.1	84	5.7	53	4.3	-3.7
18	135	5.1	104	5.2	83	4.9	52	4.0	-5.5
20	110	3.8	92	5.1	76	5.1	51	4.0	-0.8
22	127	4.5	100	6.0	81	5.7	50	4.4	1.7
MEAN	146	6.0	117	6.5	91	6.5	55	4.8	3.9

APR. 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	5.8	104	6.3	84	5.9	52	4.5	-1.9
2	157	6.2	126	6.2	104	6.8	62	4.8	-4.9
4	160	8.3	137	7.1	112	6.6	67	5.0	-5.5
6	162	9.7	131	6.5	109	6.3	69	4.8	0.5
8									
10	179	4.8	138	5.6	111	6.1	68	5.2	1.5
12	154	8.1	121	7.0	101	7.1	61	5.4	0.1
14	180	8.8	149	5.6	116	5.9	70	4.8	1.2
16	174	4.7	130	5.6	99	6.0	59	4.9	-4.9
18	122	8.0	106	5.3	88	5.6	54	4.8	-0.7
20	121	7.4	103	5.3	85	5.3	53	4.3	-1.8
22	148	4.1	115	5.4	93	5.6	58	4.4	0.9
MEAN	153	6.9	124	6.0	100	6.1	61	4.8	-1.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	4.1989 THETA (DEG)
0	195	8.6	173	7.6	134	6.8	75	4.9	-2.7
2	208	5.0	176	7.4	147	6.6	85	5.3	-0.8
4	185	6.4	167	7.3	146	7.9	88	6.3	-1.8
6	188	5.9	156	6.1	125	6.1	72	4.9	3.2
8	163	6.4	128	6.0	107	5.5	66	4.8	-4.1
10	157	7.9	138	5.4	111	5.6	66	4.6	-3.3
12	191	4.3	162	6.9	129	6.1	77	4.9	4.3
14	194	10.0	158	8.0	126	6.9	75	5.2	-0.7
16									
18	145	4.1	129	5.2	109	5.1	69	4.5	1.3
20									
22	118	4.1	100	4.5	81	4.7	52	3.9	-0.8
MEAN	174	6.3	149	6.4	122	6.1	73	4.9	-0.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	7.1989 THETA (DEG)
0	166	10.3	134	5.8	106	5.1	61	4.6	3.6
2	247	14.3	183	10.3	143	7.4	84	5.9	3.3
4	232	4.7	188	7.5	151	6.3	82	5.7	4.7
6	198	4.3	168	6.9	128	6.5	73	5.6	5.0
8	158	5.1	115	3.9	93	4.2	57	4.1	4.5
10	114	1.5	83	4.1	63	4.6	41	3.8	-0.2
12	115	2.1	87	4.3	68	4.2	44	3.7	1.7
14	191	8.1	143	5.2	111	4.9	68	5.0	8.6
16	189	5.3	172	6.6	144	6.4	85	5.8	1.8
18	253	5.9	171	6.6	130	6.0	78	5.1	3.7
20									
22									
MEAN	186	6.2	144	6.1	114	5.6	67	4.9	3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	5.1989 THETA (DEG)
0	164	4.8	136	5.3	108	5.1	66	4.3	5.6
2	212	3.9	163	5.9	125	6.3	75	4.6	11.8
4									
6	175	7.6	147	5.4	114	5.9	70	4.5	8.5
8	169	2.4	120	4.4	94	4.6	59	4.0	2.7
10	143	5.0	115	4.7	93	4.4	60	4.2	3.1
12	172	8.6	138	5.0	113	5.2	70	4.5	5.0
14	202	11.1	179	6.2	146	5.8	88	5.3	5.4
16	267	10.9	204	8.3	153	6.3	87	5.1	7.2
18	206	3.6	169	6.3	134	5.6	78	4.9	7.2
20	163	4.5	123	5.3	95	5.4	60	4.3	2.0
22	186	3.6	108	4.2	86	4.8	53	4.3	7.0
MEAN	187	6.0	146	5.5	115	5.4	70	4.5	6.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	8.1989 THETA (DEG)
0	179	7.4	141	5.0	111	5.4	63	4.8	3.6
2	197	5.6	158	6.0	122	5.8	69	5.3	-2.1
4	253	4.8	189	6.9	145	6.4	82	5.6	5.4
6	215	9.8	162	6.8	127	6.4	72	5.3	-2.4
8	183	3.5	133	5.1	104	4.6	62	4.1	3.3
10	94	3.9	79	4.6	66	4.6	43	3.6	6.6
12	164	2.3	94	4.6	72	4.2	46	3.6	-2.7
14	154	2.5	120	4.9	99	4.8	66	4.4	5.4
16	190	3.8	164	6.2	137	6.7	82	5.3	-4.9
18	196	6.8	174	7.5	149	7.3	90	5.4	-4.2
20	219	2.8	166	6.9	139	6.7	84	5.0	-3.6
22	186	7.1	157	5.4	135	5.6	85	5.1	-5.7
MEAN	186	5.0	145	5.8	117	5.7	70	4.8	-0.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	6.1989 THETA (DEG)
0	189	5.8	145	5.3	112	5.0	67	4.6	1.4
2									
4	218	3.1	183	7.3	146	6.8	84	5.7	-1.0
6	183	3.8	155	7.1	121	6.0	72	5.2	8.3
8	144	2.9	119	4.7	89	4.9	54	4.1	7.6
10	137	5.2	97	4.3	73	4.4	45	3.8	2.3
12	143	3.6	117	4.8	93	5.5	59	4.7	2.3
14	198	11.0	165	5.6	134	5.0	79	4.9	-0.3
16	276	12.7	193	8.9	150	7.3	86	5.9	6.3
18	216	4.6	173	5.3	140	5.8	79	5.1	4.5
20									
22	151	7.1	114	4.8	92	4.1	58	4.4	6.5
MEAN	186	6.0	146	5.8	115	5.5	68	4.8	3.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	APR. TMEAM (SEC)	9.1989 THETA (DEG)
0	178	3.6	144	4.9	117	5.1	71	4.5	-9.2
2	229	4.2	174	7.3	143	6.5	86	5.1	-5.1
4	247	6.8	219	8.8	180	8.0	113	6.1	-6.3
6	206	5.7	186	7.4	159	7.1	95	5.6	-5.6
8	207	6.1	172	6.5	142	6.5	84	5.1	-4.2
10	156	2.7	107	4.8	85	4.1	52	3.7	1.3
12	114	7.8	89	4.8	71	4.4	44	3.8	-2.0
14	163	6.2	113	4.6	85	4.5	53	4.0	8.3
16	312	5.0	181	5.1	144	6.0	87	4.9	7.8
18	217	6.4	176	8.0	143	6.6	85	5.1	-0.3
20	189	8.8	169	8.3	145	7.1	84	5.3	-1.1
22	196	5.8	175	5.4	146	5.9	87	5.1	-1.1
MEAN	201	5.8	159	6.3	130	6.0	78	4.9	-1.5

APR.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	208	5.4	180	7.1	151	6.3	92	5.3	2.6
2	213	4.8	184	8.1	162	7.6	96	5.8	0.0
4	200	6.1	184	7.3	163	7.3	94	5.8	5.7
6	213	8.1	194	8.5	162	7.6	93	6.1	4.2
8	211	9.3	167	7.4	137	7.0	78	5.3	6.7
10	126	10.6	113	5.6	93	4.9	56	4.2	15.2
12	117	6.3	92	4.9	72	4.3	45	3.8	17.5
14	123	4.0	101	4.8	80	4.4	51	3.9	15.0
16	172	2.6	142	6.2	117	5.3	71	4.9	5.1
18	195	10.1	159	7.3	136	6.1	77	5.0	7.3
20	230	8.3	181	7.1	149	7.3	85	5.3	9.1
22	221	8.4	174	6.9	137	6.0	78	4.8	9.1
MEAN	186	7.0	156	6.8	130	6.2	76	5.0	8.1

APR.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	308	3.2	183	7.8	143	6.9	82	5.1	11.9
2	231	5.5	186	7.3	152	6.7	90	5.1	7.2
4	310	8.6	206	7.0	160	7.0	94	5.6	9.8
6	193	6.9	166	7.8	124	6.9	70	4.8	12.3
8	249	4.3	174	7.2	144	6.8	87	5.4	12.2
10	173	6.9	144	6.3	122	5.7	71	4.7	11.3
12	142	3.4	120	5.3	99	4.4	58	4.3	12.3
14	153	5.3	123	4.6	97	4.9	57	4.0	10.3
16									
18									
20	202	6.3	168	6.4	137	5.8	82	4.9	11.1
22	209	5.0	174	6.4	140	6.1	84	4.9	18.8
MEAN	217	5.5	164	6.6	132	6.1	78	4.9	11.7

APR.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	4.4	173	7.5	148	6.8	90	5.2	17.6
2	208	7.6	168	6.6	138	6.1	83	4.9	21.2
4	221	6.9	193	7.4	165	7.2	101	5.8	16.1
6	225	8.9	187	7.9	159	7.6	103	6.0	20.0
8	216	4.1	170	6.0	148	6.3	91	5.5	14.9
10	196	6.6	162	6.3	129	6.4	77	5.3	18.0
12	177	4.9	134	5.3	108	4.9	62	4.3	14.9
14	140	4.0	112	5.4	88	4.9	52	4.5	21.9
16	149	8.2	129	5.4	102	4.8	63	4.6	12.4
18	275	3.9	159	5.3	118	5.1	65	4.7	13.2
20	200	7.4	149	6.4	106	6.4	61	5.3	10.6
22	186	7.1	161	5.6	125	6.3	73	5.7	14.0
MEAN	200	6.2	158	6.3	128	6.1	77	5.1	16.2

APR.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	207	6.5	162	6.6	124	6.8	71	5.6	18.1
2	202	6.9	171	7.2	143	6.1	81	5.3	17.9
4	213	6.1	184	6.4	149	6.3	87	5.4	18.6
6	249	8.5	182	7.8	140	7.0	83	5.4	20.9
8									
10	188	6.8	166	7.0	133	6.1	76	5.2	21.2
12	190	5.4	157	6.9	128	6.3	76	5.0	23.2
14	167	5.9	138	6.3	115	6.5	68	5.1	19.3
16	241	2.8	130	6.5	105	6.0	62	4.8	17.0
18	151	5.7	123	5.8	101	5.4	58	4.5	22.6
20									
22									
MEAN	201	6.1	157	6.7	126	6.3	74	5.1	19.9

APR.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	209	6.4	164	7.6	128	6.8	73	5.3	16.3
2	211	7.5	163	7.4	132	6.8	75	5.5	13.8
4	193	9.7	163	7.8	135	7.7	73	5.9	22.1
6	207	11.8	169	8.3	133	7.6	75	6.1	17.4
8	216	9.7	160	8.6	118	7.1	66	5.6	19.8
10	191	12.1	160	9.1	117	7.7	67	6.0	18.4
12	167	4.6	122	5.9	95	6.9	57	5.5	10.3
14	166	9.8	134	6.5	99	6.4	55	5.4	13.7
16	158	7.1	111	6.5	84	5.8	47	4.6	14.1
18	138	3.9	115	6.3	89	5.8	50	4.6	12.1
20	144	9.1	122	6.7	91	6.6	51	5.5	15.9
22	186	7.7	128	6.7	94	6.6	52	5.1	6.3
MEAN	182	8.3	143	7.3	110	6.8	62	5.4	15.0

APR.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	100	7.2	82	7.9	63	7.5	38	5.2	-4.9
2	108	8.0	90	7.3	69	7.4	42	5.4	-4.8
4	126	3.6	96	7.1	69	7.4	40	5.0	-5.3
6	112	7.8	84	7.1	64	7.1	37	4.8	-1.6
8	154	6.6	88	7.1	63	6.8	37	5.1	-9.7
10	118	4.2	83	7.8	59	7.1	33	4.9	-8.1
12	102	9.5	70	7.1	49	6.4	28	4.4	-12.6
14	105	4.7	72	7.1	52	6.8	31	4.7	-10.0
16	121	11.2	74	6.3	53	6.2	33	4.8	-10.3
18	126	7.4	89	6.4	61	6.3	35	4.4	-7.5
20	163	4.6	111	5.3	84	5.9	49	4.6	-8.9
22	113	8.3	95	6.3	75	6.3	45	4.8	-6.5
MEAN	121	6.9	86	6.9	63	6.8	37	4.8	-7.5

APR.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	6.0	97	7.1	73	6.6	45	5.0	-15.2
2	171	7.4	134	6.3	102	6.3	61	5.0	-11.5
4	168	7.1	128	7.1	92	6.6	52	4.8	-13.7
6	125	8.1	101	6.7	79	5.8	49	4.3	-11.1
8	179	8.4	136	6.2	104	5.5	63	4.3	-10.4
10	185	5.1	159	7.2	135	6.6	84	5.3	-11.1
12	191	10.2	166	7.8	139	7.1	85	5.3	-9.4
14	209	8.9	167	7.8	133	6.9	78	5.0	-12.2
16									
18	178	7.1	132	7.0	102	5.9	59	4.6	-9.1
20	166	6.4	137	7.1	105	6.1	58	4.6	-8.2
22	178	4.8	129	6.3	94	6.4	52	5.0	-9.6
MEAN	175	7.2	135	7.0	105	6.3	62	4.8	-11.0

APR.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	8.8	114	8.5	89	7.0	51	5.3	-10.5
2	151	6.9	128	6.7	98	7.6	57	6.1	-8.9
4	143	10.0	120	7.8	93	7.8	54	6.1	-6.3
6	124	9.1	102	7.6	78	6.8	47	5.6	-5.3
8	189	10.0	129	6.0	93	6.6	51	5.5	0.9
10	138	8.2	120	9.0	93	8.2	54	6.3	-2.7
12	136	9.7	107	9.4	84	8.9	47	6.1	1.7
14	112	9.5	82	8.8	62	8.3	33	4.9	1.6
16	113	9.2	78	9.1	59	8.3	34	5.5	-3.9
18	99	9.1	82	8.8	60	8.4	34	6.1	1.4
20	98	6.6	74	6.6	59	7.3	34	5.4	2.0
22	116	9.8	89	8.7	72	8.1	42	6.5	-3.2
MEAN	129	8.9	102	8.1	78	7.8	45	5.8	-2.8

APR.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	9.7	72	7.9	52	8.4	31	6.3	2.2
2	89	10.0	80	8.7	60	8.5	36	6.4	2.3
4	96	8.3	62	9.2	48	8.4	29	6.0	2.0
6	83	7.0	71	8.6	53	7.7	31	5.8	-1.3
8	78	7.3	62	9.1	48	8.1	28	5.8	-1.0
10	87	6.7	61	8.1	45	7.1	26	5.1	-2.4
12	82	8.1	61	7.8	45	6.9	26	4.4	-1.1
14	97	8.2	67	6.7	50	5.3	30	3.6	-25.0
16	91	3.4	64	5.0	52	5.1	33	3.8	-25.4
18	94	3.6	66	5.9	50	5.3	30	3.6	-16.4
20	130	6.9	80	5.8	60	5.6	35	3.9	3.3
22	108	3.0	77	6.6	55	6.8	31	4.8	4.4
MEAN	95	6.8	69	7.4	52	6.9	31	5.0	-4.9

APR.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	75	9.0	60	9.3	49	8.1	30	5.4	-1.4
2	77	8.6	64	8.2	51	7.8	31	5.6	-5.1
4	97	9.8	67	8.1	52	7.2	32	4.8	-3.0
6	131	6.3	83	6.6	63	6.0	36	4.4	8.0
8	114	6.0	89	5.6	68	6.0	41	4.7	13.0
10	133	6.8	96	5.3	67	5.5	40	4.4	9.0
12	104	9.6	67	7.4	50	6.7	29	4.5	5.4
14	84	8.8	62	7.5	45	5.9	27	3.9	-5.8
16	91	7.6	63	6.9	47	5.9	29	3.9	-16.4
18	73	10.9	56	7.9	44	6.3	28	4.3	-11.6
20	104	10.7	67	7.1	49	7.1	29	4.9	-5.1
22	81	8.2	61	8.0	49	7.5	28	5.6	2.5
MEAN	97	8.5	70	7.3	53	6.7	32	4.7	-0.9

APR.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	68	10.2	56	9.3	45	8.3	28	6.1	1.0
2	63	10.1	53	9.3	40	8.0	24	5.9	-1.6
4	65	10.3	50	8.7	37	9.3	22	6.4	-1.9
6	73	8.8	52	8.9	41	8.9	25	6.3	-0.5
8	109	7.0	71	7.9	51	7.8	29	5.8	2.5
10	86	3.4	66	7.6	50	7.4	28	5.8	2.6
12	81	9.8	59	9.0	42	7.9	24	5.1	-5.3
14	86	9.3	57	9.1	43	8.2	24	5.0	-5.0
16	74	9.8	58	6.0	46	5.3	29	4.1	-17.5
18	85	8.8	67	9.6	47	8.0	28	5.4	-12.3
20	73	9.0	56	8.1	43	7.9	26	5.5	-9.4
22	75	10.0	62	9.8	44	9.3	24	5.9	-3.3
MEAN	78	8.9	59	8.6	44	8.0	26	5.6	-4.2

APR.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	220	5.5	168	5.4	136	5.1	89	4.4	30.9
4	231	5.8	171	6.3	144	5.8	96	4.7	26.5
6	226	7.3	187	5.6	155	6.1	112	5.3	26.8
8	160	5.7	131	6.1	111	5.6	75	4.6	28.0
10	127	4.5	109	5.7	95	5.4	67	4.8	26.4
12	153	5.7	129	5.8	112	5.6	72	4.5	23.5
14	167	5.3	130	5.7	105	5.6	67	4.6	15.0
16	156	7.9	125	6.5	96	6.1	56	4.3	11.5
18	164	6.9	126	7.3	103	7.1	64	5.2	11.0
20	190	7.8	153	8.8	116	7.1	66	5.3	12.4
22									
MEAN	179	6.2	143	6.3	117	5.9	76	4.8	21.2

APR.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	224	10.3	146	7.1	109	7.0	65	4.9	-5.0
20	184	10.5	134	8.8	102	7.4	60	5.5	-2.4
22	208	6.2	154	8.3	121	7.9	64	5.6	3.1
MEAN	205	9.0	145	8.1	111	7.4	63	5.3	-1.4

APR.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	162	10.5	130	8.6	101	7.8	60	6.1	-2.2
6	194	6.0	166	7.8	121	7.4	70	6.1	2.9
8	219	7.1	155	6.8	127	7.1	75	5.8	-4.4
10	193	4.7	130	8.3	112	7.7	74	5.9	-2.7
12	159	7.1	126	7.8	104	7.0	66	5.6	-8.0
14	197	8.5	159	7.7	127	8.0	73	5.8	-6.1
16	267	11.4	201	9.3	155	8.5	93	7.3	2.0
18	210	6.3	168	7.4	121	7.5	71	6.0	-0.6
20	244	9.9	188	8.6	140	8.0	80	6.3	-0.7
22	328	6.3	198	8.7	155	7.8	86	5.7	0.8
MEAN	217	7.8	162	8.1	126	7.7	75	6.1	-1.9

APR.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	213	6.8	179	7.6	155	7.4	99	5.7	-9.6
2	244	6.0	190	6.9	164	7.0	108	5.8	-12.3
4	251	6.9	218	7.3	177	6.8	112	5.7	-8.2
6	277	10.4	203	7.8	166	8.0	106	5.8	1.2
8	269	7.2	203	5.9	160	6.2	96	5.1	3.9
10	199	5.6	156	6.1	129	5.8	81	4.8	2.9
12	164	12.9	135	7.6	110	5.9	66	4.9	-2.3
14	193	5.6	162	6.5	134	5.9	82	5.1	7.9
16	305	7.3	225	8.3	182	7.8	115	6.1	4.4
18	262	8.6	208	8.5	178	8.1	110	6.1	20.0
20	251	10.4	202	9.8	164	8.0	103	6.2	17.9
22	238	9.4	193	9.5	166	8.3	105	6.4	11.2
MEAN	239	8.1	190	7.6	157	7.1	99	5.6	3.1

APR.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	312	12.5	208	7.7	165	7.2	101	5.6	11.6
2	279	12.3	221	10.3	175	9.8	108	6.8	12.2
4	302	9.0	253	8.3	213	9.0	143	7.1	10.4
6	255	9.1	219	7.1	185	7.1	122	6.1	11.7
8	215	12.5	180	7.6	151	7.1	97	5.9	13.6
10	153	11.5	136	10.3	116	7.4	74	5.8	14.5
12	150	11.4	128	5.9	109	5.9	69	5.3	16.9
14	184	7.0	169	8.3	140	7.5	84	5.9	19.6
16	210	13.6	180	8.8	155	7.1	95	5.9	12.6
18	256	9.0	207	10.1	173	9.3	98	6.6	17.1
20	365	6.8	235	10.7	184	8.9	109	6.7	11.1
22									
MEAN	244	10.4	194	8.6	161	7.8	100	6.2	13.8

APR.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	260	11.4	211	8.1	171	7.8	106	6.6	15.4
4	248	8.8	213	8.9	174	9.0	106	6.8	20.8
6	273	11.8	237	10.0	200	9.5	115	7.4	12.9
8	225	9.6	202	9.0	167	9.5	98	6.9	16.3
10	177	11.7	159	9.5	138	8.6	82	6.3	13.6
12	166	6.8	138	7.8	116	7.2	69	5.6	15.0
14	185	7.3	141	6.7	118	6.5	74	5.4	21.4
16	200	11.7	171	9.8	139	8.7	87	6.2	17.5
18	261	12.1	187	7.8	151	7.9	93	6.2	15.4
20									
22	247	8.3	214	7.6	183	7.8	109	6.4	9.3
MEAN	224	9.9	187	8.5	156	8.2	94	6.4	15.8

APR.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	263	10.8	224	11.3	176	9.8	106	7.6	2.2
6	227	3.9	173	9.5	137	8.9	81	6.7	9.6
8	273	11.1	217	10.1	170	9.3	98	7.0	10.2
10	190	8.9	174	8.9	145	7.9	85	6.3	10.6
12	161	8.4	140	9.1	120	7.3	71	5.8	17.9
14	190	10.5	163	8.8	136	7.1	77	5.8	14.6
16	193	11.1	168	9.2	145	9.0	85	6.6	5.0
18	218	9.1	181	9.1	148	8.1	85	6.0	1.5
20									
22	177	6.9	135	9.1	110	8.6	65	6.3	-4.7
MEAN	210	9.0	175	9.5	143	8.4	84	6.5	7.4

APR.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	181	12.4	152	9.1	111	9.8	62	7.0	0.5
2	151	11.4	128	9.7	98	9.4	57	7.1	-0.1
4	150	11.1	118	9.4	90	9.4	54	7.3	0.8
6	183	12.8	130	9.8	96	10.0	53	7.3	6.9
8	127	9.2	112	10.2	86	9.0	47	6.4	5.0
10	162	7.8	116	8.4	82	7.1	45	4.5	13.5
12	270	4.9	121	5.3	85	5.0	51	3.8	26.8
14	263	3.9	131	5.6	100	5.3	64	4.3	30.4
16	166	10.9	142	7.9	116	6.6	71	4.9	28.5
18									
20									
22									
MEAN	184	9.4	128	8.4	96	8.0	56	5.8	12.5

MAY 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	251	11.2	199	8.1	163	7.5	95	6.8	18.5
2	228	10.3	203	10.7	172	9.9	102	7.3	16.5
4	272	13.0	214	9.4	170	8.8	100	6.8	16.9
6	208	9.9	182	9.4	152	8.3	90	6.5	19.1
8	317	3.8	203	8.0	166	7.5	98	6.3	16.3
10	222	29.9	192	13.5	167	8.5	106	6.9	11.2
12	234	9.6	199	12.5	168	9.8	101	6.9	19.9
14	214	4.2	180	8.9	153	8.3	87	6.1	18.5
16	219	7.8	171	8.3	136	8.0	78	6.3	17.5
18	261	5.3	161	7.8	125	7.8	71	5.9	19.1
20	172	3.1	142	5.5	117	6.1	72	5.6	18.6
22	200	9.4	150	7.1	122	7.5	74	6.0	11.3
MEAN	233	9.8	183	9.1	151	8.2	90	6.4	16.9

APR.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	179	18.7	162	13.1	134	10.0	82	7.0	20.6
20									
22	213	18.8	189	11.8	159	9.9	100	7.5	21.6
MEAN	196	18.7	176	12.4	147	9.9	91	7.3	21.1

MAY 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	225	4.2	179	6.8	149	7.0	86	5.8	6.2
2	264	13.1	202	9.8	170	8.1	101	6.4	10.8
4	333	8.9	193	7.4	157	6.8	90	5.8	15.2
6	192	12.5	160	11.0	135	8.0	80	6.1	18.5
8	176	13.0	148	8.0	119	6.6	71	5.6	19.7
10									
12	331	6.4	215	7.4	162	7.4	96	5.8	14.1
14	352	7.4	212	5.8	163	6.8	97	5.5	14.4
16	233	10.0	192	6.2	159	5.4	101	5.0	9.5
18	183	7.3	157	5.5	128	5.6	80	4.4	12.5
20	180	7.4	151	6.4	123	6.2	79	4.9	12.6
22									
MEAN	247	9.0	181	7.4	147	6.8	88	5.5	13.3

APR.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	241	15.3	198	15.0	167	11.3	107	7.8	12.3
2	227	12.1	198	10.5	165	8.8	97	6.6	23.0
4	224	11.3	188	9.9	158	9.0	94	6.8	19.2
6	201	7.6	186	11.0	162	10.2	96	7.3	20.4
8	237	10.8	205	11.5	168	9.6	104	7.5	17.4
10	206	5.3	187	10.4	162	9.6	95	6.9	16.1
12	241	8.1	185	8.9	157	7.3	87	6.1	15.6
14	192	4.2	161	10.1	141	8.4	85	6.8	16.9
16	208	10.3	167	10.3	133	7.6	84	6.3	21.9
18	215	8.4	177	10.6	144	8.2	87	6.4	18.0
20	194	9.4	163	9.3	137	7.6	79	6.1	15.2
22	330	7.6	211	9.0	175	8.3	103	6.8	19.5
MEAN	226	9.2	186	10.5	156	8.8	93	6.8	18.0

MAY 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	4.1989 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	189	6.6	145	6.3	111	5.3	67	3.9	5.3
20	158	6.3	127	5.8	99	5.4	59	3.9	4.5
22	189	6.0	140	5.5	107	5.1	62	3.9	9.8
MEAN	179	6.3	137	5.9	106	5.3	63	3.9	6.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	5.1989 THETA (DEG)
0	232	15.3	182	8.3	134	6.3	71	4.3	2.2
2	194	11.5	160	7.7	122	6.9	69	4.8	6.6
4	233	8.8	183	7.2	134	6.4	69	4.2	0.5
6	193	11.0	155	6.9	123	5.5	70	4.1	8.8
8	163	8.3	106	5.5	78	4.6	47	3.1	3.4
10	119	4.1	85	4.3	68	3.8	45	2.8	10.5
12									
14									
16									
18									
20									
22									
MEAN	189	9.8	145	6.6	110	5.6	62	3.9	5.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	6.1989 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	177	7.9	117	6.4	88	5.6	52	3.6	12.3
20	156	5.6	127	6.7	96	5.6	58	3.6	8.0
22	139	3.8	113	5.3	87	4.8	54	3.3	7.5
MEAN	157	5.8	119	6.1	90	5.3	55	3.5	9.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	7.1989 THETA (DEG)
0	143	7.3	109	6.1	85	5.0	51	3.5	3.8
2	163	5.6	128	5.8	101	5.6	60	3.8	9.2
4	166	6.4	133	6.3	97	5.3	57	3.6	11.5
6	164	4.7	129	4.9	100	4.9	58	3.4	13.8
8	171	5.5	127	4.5	95	4.4	56	3.1	13.1
10	136	4.0	99	4.0	74	4.1	44	2.8	12.0
12	130	4.6	99	3.8	73	4.1	44	2.8	11.1
14	173	5.1	138	5.1	107	4.2	65	3.3	14.8
16	205	4.9	169	5.8	136	5.3	83	3.8	20.0
18	216	3.9	174	5.4	140	5.3	86	4.1	12.5
20	211	6.8	190	5.5	157	5.4	93	4.2	6.6
22	191	8.5	156	5.9	123	5.9	73	4.3	6.5
MEAN	172	5.6	138	5.3	107	5.0	64	3.6	11.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	8.1989 THETA (DEG)
0	211	3.9	165	6.6	129	5.6	74	4.1	-3.1
2	365	7.1	211	8.9	161	6.6	89	4.8	-3.8
4	335	6.2	226	6.8	177	6.8	98	4.9	1.7
6	208	3.6	183	6.7	140	5.7	80	4.4	-0.6
8	225	12.9	144	8.0	109	6.4	66	4.2	5.7
10	161	8.0	119	5.9	92	4.9	54	3.3	6.5
12	153	12.1	117	5.9	91	5.0	57	3.6	1.1
14									
16	210	6.5	159	5.9	121	5.4	70	3.9	2.4
18	244	4.2	201	9.9	160	8.0	95	5.4	2.3
20	251	8.5	187	7.1	145	6.6	80	4.3	2.8
22	232	5.0	188	6.6	144	6.1	81	4.5	1.1
MEAN	236	7.1	173	7.1	134	6.1	77	4.3	1.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	MAY TMEAM (SEC)	9.1989 THETA (DEG)
0	195	4.4	170	7.1	132	6.3	77	4.6	5.3
2	214	9.1	193	8.3	158	6.9	93	5.0	5.6
4	226	9.4	192	8.3	157	7.7	92	5.3	2.4
6	226	5.5	200	7.5	155	7.1	84	4.9	7.6
8	252	9.8	161	6.6	124	6.3	70	4.2	2.5
10	180	9.3	138	5.8	107	5.3	66	4.0	12.8
12	153	8.8	111	5.1	85	4.8	53	3.4	5.2
14	169	11.2	120	5.1	91	4.6	57	3.6	4.9
16	172	6.4	133	6.0	104	5.6	61	3.7	8.0
18	226	5.2	164	7.7	116	6.3	66	4.3	4.6
20	206	11.1	169	8.3	124	7.8	67	5.4	3.7
22	188	6.1	155	7.4	113	6.7	63	4.4	6.1
MEAN	201	8.0	159	6.9	122	6.3	71	4.4	5.7

MAY 10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	210	5.1	155	6.1	122	5.8	70	4.3	11.4
2	195	10.7	161	7.6	115	6.6	65	4.6	2.9
4	180	8.2	156	8.2	119	7.6	67	5.0	2.9
6	183	8.7	162	8.9	122	8.1	69	5.4	2.9
8	183	5.3	135	6.4	99	6.0	57	4.3	9.6
10	158	8.8	137	6.9	106	5.4	63	4.1	7.0
12									
14	149	5.6	98	5.1	78	4.6	50	3.3	4.4
16	147	6.1	120	6.9	92	5.5	56	3.8	9.9
18	214	5.3	131	6.6	95	6.4	55	4.0	10.5
20	185	4.8	130	6.5	84	5.9	47	3.8	4.9
22	157	5.2	127	6.8	89	6.2	49	3.8	8.2
MEAN	178	6.7	137	6.9	102	6.2	59	4.2	6.8

MAY 11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	179	6.3	139	7.1	100	6.2	55	3.8	10.2
2	183	11.3	137	7.3	97	5.9	55	3.8	21.0
4	171	5.7	141	6.3	105	5.6	61	3.8	21.3
6	170	8.1	131	6.6	101	5.6	62	3.8	21.2
8	172	4.8	123	5.8	89	5.0	52	3.2	21.7
10	190	4.6	137	5.5	101	4.7	61	3.3	14.2
12									
14	185	5.0	131	4.3	100	3.9	60	2.9	9.9
16	202	4.7	150	4.9	117	4.1	69	3.0	4.0
18	218	5.6	166	6.3	131	4.9	80	3.6	6.9
20	231	12.8	187	7.4	147	6.0	85	3.9	2.8
22	235	7.3	182	5.9	142	5.6	82	3.7	6.9
MEAN	194	6.9	148	6.1	112	5.2	66	3.5	12.7

MAY 12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	226	4.8	180	6.0	142	5.8	89	4.0	14.6
2									
4	232	9.2	174	6.3	137	5.3	80	3.9	9.4
6	215	8.0	177	7.1	137	5.5	82	4.1	4.0
8	215	8.4	183	6.4	145	5.9	84	4.3	3.8
10	211	6.7	167	5.9	131	5.5	76	3.9	6.6
12	206	7.1	162	5.9	124	5.3	74	4.0	3.4
14	191	4.8	153	6.6	120	5.3	70	3.6	8.1
16	199	6.8	164	5.8	127	5.3	73	3.9	6.8
18	214	12.2	166	8.3	126	6.1	74	4.3	6.8
20	239	9.8	193	7.0	152	5.9	84	4.3	3.1
22	208	13.8	185	10.6	156	8.1	91	5.3	0.4
MEAN	214	8.3	173	6.9	136	5.8	80	4.1	6.1

MAY 13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	247	6.9	192	7.5	158	6.7	90	4.8	0.5
2	219	6.9	187	7.8	144	6.1	84	4.4	2.8
4	252	8.8	200	7.3	161	6.3	93	4.5	6.0
6	321	5.5	198	6.6	152	5.9	86	4.4	4.2
8	235	5.4	197	7.8	156	6.6	90	4.5	1.8
10	230	6.3	204	7.8	165	6.4	95	4.3	1.8
12	216	8.6	189	7.2	155	6.4	93	4.6	3.9
14	242	5.2	171	6.4	136	5.8	79	4.1	-1.5
16	230	8.2	189	7.6	148	6.3	87	4.3	2.1
18	224	8.3	190	7.0	149	6.1	85	4.1	-0.1
20	223	8.2	189	7.1	150	6.2	88	4.6	1.3
22	256	9.4	204	8.5	156	7.3	92	4.9	3.5
MEAN	241	7.3	193	7.4	153	6.3	89	4.5	2.2

MAY 14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	314	8.4	211	7.4	158	6.9	89	4.6	3.0
2	265	9.8	210	8.4	166	7.4	95	4.8	1.5
4	223	9.6	184	8.4	148	7.6	82	4.9	8.2
6	229	8.8	192	8.9	153	7.4	89	4.7	5.0
8	253	8.7	179	7.9	144	7.2	85	4.9	5.9
10	226	8.5	184	8.6	134	7.4	73	4.6	1.1
12	223	9.7	184	8.2	141	6.8	82	4.8	1.5
14	218	7.6	174	7.6	135	6.8	78	4.6	2.2
16	198	8.3	159	7.0	126	6.3	77	4.4	1.8
18	200	6.4	150	6.9	114	6.0	66	4.0	4.8
20	185	8.0	147	7.4	107	6.2	61	3.9	5.3
22	179	9.4	136	8.0	98	6.8	58	4.5	7.8
MEAN	226	8.6	176	7.9	135	6.9	78	4.6	4.0

MAY 15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	180	9.3	149	8.3	106	6.6	57	4.3	5.3
2	192	9.0	143	8.3	105	7.1	59	4.8	6.9
4	177	9.8	141	7.6	112	7.2	66	5.1	5.6
6	209	9.2	166	8.7	119	7.2	70	5.1	5.2
8	174	9.4	136	7.8	102	7.1	59	4.6	9.2
10	168	8.4	129	8.3	95	7.0	54	4.1	6.8
12	174	8.4	130	7.3	90	6.3	50	4.1	9.2
14	174	9.0	110	6.8	83	5.9	50	4.0	7.7
16									
18									
20									
22	136	9.3	114	8.0	82	6.8	48	4.4	4.8
MEAN	176	9.1	135	7.9	99	6.8	57	4.5	6.7

MAY 16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	130	10.4	103	8.2	76	6.9	45	4.6	8.0
2									
4	165	8.5	119	8.0	90	7.0	54	4.9	10.1
6	154	9.5	114	7.3	80	6.3	44	3.8	4.2
8	133	7.9	106	6.8	77	6.0	46	3.7	5.6
10	138	8.4	106	7.5	76	6.3	43	3.6	10.4
12	141	8.6	110	7.6	81	6.7	46	4.0	4.8
14	143	9.9	109	7.7	77	6.3	45	3.9	2.0
16	160	8.2	115	6.6	86	5.9	52	3.7	0.2
18	169	6.8	119	6.8	88	5.4	51	3.4	-6.5
20	185	5.1	113	6.2	83	5.5	51	3.6	-5.9
22	165	11.4	109	6.7	80	5.6	49	3.9	-7.4
MEAN	153	8.6	111	7.2	81	6.2	48	3.9	2.3

MAY 17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	126	10.0	95	7.1	72	6.0	42	3.6	-1.4
2	179	10.0	121	7.9	91	6.4	53	4.2	-3.4
4	138	6.5	108	6.1	81	5.6	50	4.0	-5.9
6	145	8.6	111	6.7	81	5.8	51	4.1	-1.6
8	150	8.3	112	6.3	84	6.0	52	4.0	-5.5
10	137	8.5	113	7.0	88	5.8	54	3.9	-1.0
12	140	6.1	108	7.1	81	6.4	47	4.1	-2.9
14	134	7.8	97	6.6	75	5.8	47	4.0	-4.1
16	129	5.9	98	7.3	74	6.2	45	4.3	-2.0
18	142	9.4	106	7.4	79	6.9	48	4.6	-1.4
20	128	9.6	96	6.9	75	6.4	46	4.3	1.5
22	151	8.3	100	7.3	73	6.4	43	4.5	4.3
MEAN	142	8.2	105	7.0	80	6.1	48	4.1	-1.9

MAY 18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	161	6.2	105	7.0	77	6.6	46	4.6	4.3
2	124	8.9	89	7.6	68	6.9	41	4.5	1.5
4	123	9.2	91	7.4	70	6.4	42	4.3	4.5
6	139	8.1	93	7.1	70	6.1	43	4.1	3.5
8	131	8.1	94	6.9	70	5.9	42	3.9	3.9
10	148	7.2	103	6.6	76	5.8	45	3.8	9.9
12	108	7.6	81	6.8	62	6.3	38	3.9	3.9
14	128	7.9	95	6.8	71	6.4	44	4.4	2.7
16	122	4.3	91	7.3	70	6.6	42	4.3	-0.1
18	117	8.9	89	7.1	69	6.3	43	4.5	-1.7
20	135	8.8	94	6.3	71	5.1	42	3.1	7.3
22	209	6.6	152	6.2	109	4.9	64	3.3	17.9
MEAN	137	7.6	98	6.9	74	6.1	44	4.1	4.8

MAY 19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	8.0	127	6.2	96	5.1	59	3.3	17.0
2	164	5.3	108	6.1	81	4.9	48	3.1	12.1
4	170	7.8	110	6.1	86	5.0	53	3.3	16.7
6	175	6.7	116	4.8	88	4.6	53	3.1	10.3
8	136	5.9	111	4.8	83	4.4	49	2.9	16.7
10	120	2.8	105	5.3	85	5.1	53	3.4	7.3
12	146	6.1	104	5.1	77	4.4	46	2.8	16.0
14	135	7.8	98	6.8	78	5.6	48	3.5	11.6
16	135	6.5	113	7.2	90	6.2	54	4.1	5.9
18	132	9.8	99	6.5	71	5.6	42	3.4	6.6
20	141	8.6	99	6.2	79	5.8	47	3.6	4.1
22	147	7.9	111	7.1	82	5.7	48	3.7	-2.7
MEAN	148	6.9	108	6.0	83	5.2	50	3.3	10.1

MAY 20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	159	7.8	93	6.2	69	5.4	43	3.8	-4.8
2	152	8.4	111	8.0	80	6.7	46	4.3	-3.3
4	131	8.8	98	6.4	73	5.6	46	4.1	-5.1
6	137	9.8	102	6.4	76	5.6	47	3.8	-5.7
8	149	4.7	105	5.6	78	4.8	50	3.6	-6.4
10	120	8.2	96	5.6	75	5.1	49	3.7	-6.4
12	152	7.5	120	6.7	92	5.8	56	4.0	-6.2
14									
16									
18	126	7.4	102	7.2	79	6.3	47	4.1	-3.1
20	159	7.6	127	7.8	98	6.5	56	4.0	-3.7
22	156	8.1	133	7.3	102	6.0	60	4.1	-9.9
MEAN	144	7.8	109	6.7	82	5.8	50	3.9	-5.5

MAY 21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	8.3	143	7.3	104	5.9	60	4.1	-9.5
2	179	9.2	142	7.6	105	6.6	62	4.5	-6.7
4	166	7.5	141	8.4	109	6.9	66	5.0	-5.1
6	177	9.5	138	7.4	105	6.6	63	4.7	-6.2
8	161	8.5	128	6.8	92	6.1	58	4.4	-2.9
10	138	6.8	120	6.3	94	6.0	60	4.4	-7.2
12	162	8.2	131	7.1	97	6.1	57	4.0	-7.6
14									
16	202	8.2	163	8.6	125	8.1	73	5.4	1.2
18	203	8.6	178	9.1	141	7.9	83	5.6	-2.9
20	159	8.8	125	7.6	93	6.7	53	4.4	-5.7
22	159	9.4	133	8.3	97	7.2	57	4.8	-6.3
MEAN	172	8.5	140	7.7	106	6.7	63	4.7	-5.4

MAY 22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	194	8.8	128	8.0	91	7.1	51	4.7	-3.8
2	122	9.3	106	8.5	79	7.1	46	4.6	-6.1
4	147	8.5	118	7.8	86	6.8	52	5.1	-4.8
6	143	7.6	112	7.8	85	7.5	52	5.0	0.5
8	171	9.1	134	7.3	102	6.3	63	4.8	1.5
10	157	5.5	120	6.5	92	5.9	57	4.0	-3.2
12	156	6.9	120	7.1	89	6.2	53	4.1	-2.1
14	209	5.9	137	7.6	102	6.5	61	4.3	2.3
16	146	8.6	118	7.8	89	7.1	52	4.6	-3.9
18	144	9.9	96	7.6	73	6.5	44	4.3	0.6
20	161	10.3	108	7.6	80	6.8	48	4.9	-3.4
22	141	8.5	114	8.3	92	7.9	56	5.8	-7.4
MEAN	158	8.2	118	7.7	88	6.8	53	4.7	-2.5

MAY 23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	141	7.3	118	8.2	93	7.5	55	5.0	-6.9
2	127	10.5	100	6.8	76	6.8	47	4.6	-10.4
4	113	7.6	97	7.8	76	6.5	45	4.4	-7.1
6	113	7.8	88	6.6	66	6.1	41	4.1	-9.6
8	123	11.1	99	7.5	74	6.8	46	4.6	-3.2
10	131	6.2	107	6.5	80	5.8	50	4.0	-8.0
12	117	7.1	93	6.9	69	5.8	44	3.8	1.8
14	146	7.8	103	7.6	73	6.5	45	4.3	-0.7
16	147	10.1	97	7.3	72	6.3	44	4.1	-2.1
18	130	8.5	85	7.8	64	6.9	39	4.6	-1.4
20	114	9.7	86	7.5	66	7.1	40	5.0	-0.8
22	116	10.1	98	9.4	80	8.5	49	5.9	-1.7
MEAN	127	8.6	98	7.5	74	6.7	45	4.5	-4.2

MAY 24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	103	8.7	80	7.6	61	6.8	39	4.8	-8.5
2	126	10.3	83	8.1	62	7.1	38	5.1	0.8
4	113	9.3	88	8.6	66	7.4	39	4.8	0.4
6	106	7.5	83	8.6	61	7.1	38	4.9	-1.1
8	137	8.0	104	8.0	80	7.8	48	5.8	0.4
10	131	8.8	101	6.7	76	6.0	48	4.1	-0.8
12	125	7.8	95	5.5	72	5.1	46	3.6	-2.2
14	136	6.4	86	5.6	66	5.3	42	3.5	6.4
16	146	8.6	109	7.4	80	5.8	46	3.4	1.3
18	114	7.2	87	7.1	65	5.6	40	3.5	-10.6
20	116	6.8	88	6.7	69	6.1	42	3.9	-2.4
22	144	10.3	86	7.4	65	6.3	40	4.3	1.4
MEAN	125	8.3	91	7.3	69	6.4	42	4.3	-1.2

MAY 25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	11.3	96	8.3	78	7.9	47	5.6	1.0
2	115	8.6	93	8.5	71	8.0	44	5.8	2.3
4	117	9.3	84	7.8	60	6.3	38	4.3	-6.8
6	119	8.0	96	8.2	72	7.3	42	5.3	2.9
8	114	7.4	95	8.4	72	8.0	40	4.9	0.9
10	115	8.8	90	6.3	68	5.3	42	3.6	1.0
12	119	8.7	86	6.3	67	4.8	41	3.1	1.9
14	125	8.1	93	5.6	70	4.8	44	3.2	7.7
16	145	7.0	97	6.2	74	5.3	45	3.3	13.5
18	120	7.6	94	6.8	69	5.9	40	3.6	12.8
20	127	9.9	99	7.6	72	6.4	42	3.6	18.9
22	143	10.8	96	7.5	70	6.4	42	3.9	14.0
MEAN	123	8.8	93	7.3	70	6.4	42	4.2	5.8

MAY 26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	168	9.3	116	8.3	82	6.8	45	4.1	10.2
2	183	10.0	146	8.6	108	6.9	62	4.2	17.5
4	173	8.1	137	6.8	108	5.6	64	3.7	25.2
6	224	7.1	159	6.5	121	5.4	71	3.6	23.5
8	210	5.3	161	5.9	131	5.5	81	3.9	28.8
10	186	8.3	158	5.8	125	5.2	75	3.7	28.5
12	195	5.6	141	5.1	110	4.8	67	3.4	30.5
14	177	5.1	144	5.3	113	4.9	68	3.4	29.0
16	182	6.9	149	6.0	117	5.6	72	3.8	25.7
18									
20									
22									
MEAN	189	7.3	146	6.5	113	5.6	67	3.8	24.3

MAY 27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	137	7.3	103	6.3	81	5.5	48	3.6	12.9
20	124	7.1	100	6.3	78	5.6	48	4.0	21.5
22	128	6.8	88	6.4	64	5.6	38	3.6	22.8
MEAN	130	7.1	97	6.3	74	5.6	45	3.7	19.1

MAY 28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	146	8.8	99	6.8	71	5.9	43	3.8	22.0
2	126	7.8	97	6.9	75	5.8	46	4.1	18.6
4	102	8.0	85	6.6	66	6.3	40	4.3	13.2
6	121	6.1	93	6.4	68	6.0	42	4.1	10.7
8	114	7.0	89	6.3	66	5.6	41	3.7	7.9
10	89	7.1	67	5.4	52	4.9	33	3.3	7.5
12	122	7.9	73	6.1	57	5.0	36	3.3	17.6
14	83	6.4	57	5.3	46	4.7	32	3.3	14.9
16	130	4.9	98	4.1	77	3.8	49	2.8	28.7
18	159	3.8	123	4.3	94	4.0	58	2.9	26.2
20	157	4.6	110	4.1	87	3.9	53	2.8	26.3
22	153	2.6	93	4.3	70	3.9	43	2.8	20.9
MEAN	125	6.2	90	5.5	69	5.0	43	3.4	17.9

MAY 29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	109	4.2	81	4.3	65	3.8	40	2.6	22.0
2	122	6.0	94	5.6	72	4.4	44	2.8	15.3
4	105	5.4	79	5.4	61	4.5	38	3.0	20.8
6	127	7.0	85	6.3	64	5.3	39	3.5	15.8
8	110	6.5	87	6.1	67	5.1	41	3.4	12.6
10	96	6.8	78	6.6	63	5.4	39	3.6	12.4
12	118	6.3	85	5.1	65	4.1	39	2.5	13.7
14	154	5.5	104	4.6	79	4.1	48	2.8	17.9
16	110	5.3	84	4.6	65	4.0	40	2.6	16.2
18	113	5.5	86	5.9	66	4.6	41	2.9	19.0
20	108	7.0	84	5.8	64	4.9	39	3.2	17.0
22	92	5.9	68	6.1	53	4.9	35	3.3	26.0
MEAN	114	5.9	85	5.5	65	4.6	40	3.0	17.4

MAY 30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	90	8.1	66	6.0	52	5.3	33	3.6	22.1
2	85	8.6	60	5.9	47	5.3	30	3.6	20.0
4	118	6.1	82	4.6	63	3.8	40	2.6	21.8
6	99	6.4	74	4.9	58	3.8	36	2.5	15.7
8	152	4.3	92	4.5	71	3.9	44	2.7	18.0
10	128	6.9	96	6.0	73	4.8	45	3.1	16.5
12	119	7.2	94	5.8	71	4.4	43	2.8	17.9
14	123	7.3	92	6.3	70	5.0	42	3.1	18.2
16	113	5.8	85	4.8	67	4.0	43	2.6	26.9
18	120	4.6	85	5.5	66	4.6	41	3.0	22.1
20	104	6.4	68	4.9	53	4.8	35	3.3	16.2
22	88	8.2	71	6.9	56	5.7	36	3.9	13.9
MEAN	112	6.7	80	5.5	62	4.6	39	3.1	19.1

MAY 31.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	94	8.1	72	7.1	55	6.1	33	4.1	10.1
2	87	9.6	74	6.9	59	6.1	37	4.1	4.8
4	92	8.9	68	6.4	53	5.4	34	3.7	4.1
6	106	4.6	77	6.3	61	5.8	39	4.1	8.9
8	124	8.0	94	7.6	73	7.4	46	5.3	4.2
10	116	7.3	83	5.8	65	5.3	41	3.5	4.4
12	97	7.0	77	6.5	59	5.3	37	3.2	-3.6
14	101	7.5	76	6.1	57	4.8	36	2.9	-16.9
16	124	5.3	87	6.2	64	5.1	39	3.0	-19.7
18	112	8.5	73	6.5	56	5.2	36	3.2	-17.4
20	120	8.5	79	6.1	61	5.2	38	3.3	-15.1
22	114	9.9	88	7.8	67	7.0	41	4.4	-8.1
MEAN	107	7.8	79	6.6	61	5.7	38	3.7	-3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 1.1989 TMEAM (SEC)	THETA (DEG)
0	119	9.3	101	8.3	76	6.9	47	4.8	-8.8
2	126	7.3	83	6.5	62	6.1	39	4.3	-9.0
4	122	9.1	101	7.1	79	6.3	50	4.4	-8.9
6	129	8.1	86	6.0	67	5.6	43	3.8	-9.0
8	111	9.6	84	6.0	65	5.3	42	3.5	-6.1
10	121	8.8	90	6.3	68	5.2	42	3.5	-8.8
12	104	6.1	76	6.4	58	5.3	37	3.2	-11.0
14	95	7.4	65	6.4	50	4.8	31	2.8	-4.3
16	96	7.6	75	6.7	55	5.1	33	3.0	-9.4
18	94	9.3	70	6.6	53	5.1	34	3.1	-20.7
20	106	10.0	78	6.8	60	6.2	38	4.0	-7.2
22	98	8.0	79	8.0	58	6.3	33	3.4	0.7
MEAN	110	8.4	82	6.8	63	5.7	39	3.6	-8.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 4.1989 TMEAM (SEC)	THETA (DEG)
0	91	10.0	71	7.6	55	6.8	36	4.6	-12.3
2	95	14.7	67	6.8	52	6.0	33	4.1	-11.6
4	110	6.1	80	6.3	60	5.6	37	3.9	-10.1
6	101	9.3	83	6.9	63	6.0	42	4.2	-9.1
8	105	6.1	82	6.9	66	5.8	42	4.1	-7.5
10	118	4.1	83	5.1	64	4.6	42	3.3	-5.3
12	123	7.7	84	5.1	65	5.1	42	3.4	-3.1
14	98	6.1	78	5.6	61	5.0	39	3.2	-9.7
16	104	7.7	84	7.4	66	6.2	40	3.7	-6.2
18	113	6.8	87	6.8	64	5.6	39	3.4	-14.3
20	114	7.1	76	6.5	58	6.1	37	3.9	-18.5
22	107	6.3	86	7.8	67	7.5	42	5.4	-6.2
MEAN	107	7.7	80	6.6	62	5.9	39	3.9	-9.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 2.1989 TMEAM (SEC)	THETA (DEG)
0	173	6.2	100	5.1	76	4.1	47	2.8	27.0
2	139	4.4	111	4.8	87	4.3	53	2.9	25.5
4	124	7.4	91	5.3	70	4.3	45	2.9	22.4
6	106	5.3	77	5.2	58	4.1	38	2.8	20.6
8	108	6.8	73	5.2	57	4.3	36	2.6	18.4
10	112	7.1	66	5.1	51	4.4	33	2.8	17.3
12	99	5.6	75	6.3	57	5.1	34	3.1	12.7
14	113	7.8	80	6.8	59	5.3	36	3.2	13.4
16	96	7.5	66	6.5	50	5.3	32	3.1	10.7
18	94	7.9	74	7.3	57	6.0	35	3.6	8.0
20	93	8.3	67	5.7	53	5.0	34	3.2	4.2
22									
MEAN	114	6.8	80	5.8	61	4.7	38	3.0	16.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 5.1989 TMEAM (SEC)	THETA (DEG)
0	95	6.6	75	7.9	58	7.1	36	4.8	-10.8
2	108	11.3	83	8.5	66	7.3	42	5.1	-6.0
4	103	5.2	84	7.5	66	6.6	42	4.3	-11.3
6	130	9.5	93	7.3	70	6.1	43	4.1	-7.0
8	117	6.2	87	6.3	66	5.5	43	3.8	-2.4
10	116	5.3	87	5.6	67	5.2	44	3.6	-6.7
12	131	7.4	93	5.7	68	4.8	44	3.6	-6.7
14	108	7.3	82	6.5	61	6.1	39	3.9	-6.8
16	109	7.1	80	7.8	61	6.3	37	3.9	-6.3
18	94	8.5	76	7.3	57	5.9	34	3.5	-4.0
20	103	6.9	85	7.7	65	6.6	39	4.3	-9.2
22	135	8.4	85	7.6	62	6.4	38	4.0	-9.8
MEAN	112	7.5	84	7.1	64	6.2	40	4.1	-7.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 3.1989 TMEAM (SEC)	THETA (DEG)
0	116	8.1	69	6.5	53	5.9	34	3.9	-6.0
2	87	6.3	71	6.8	52	6.1	32	3.9	-7.0
4	105	9.3	71	7.4	54	6.7	33	4.3	-5.8
6	97	8.4	74	7.6	57	7.3	36	4.9	4.3
8	79	6.4	68	8.3	54	7.0	35	4.6	6.8
10	92	5.2	69	5.1	54	4.6	35	2.8	2.9
12	97	7.0	70	5.3	53	4.8	35	3.1	2.5
14	99	8.3	73	6.8	56	5.4	35	3.3	-0.3
16	101	7.8	74	7.0	57	5.6	35	3.3	-5.4
18	111	8.4	77	7.3	58	5.8	36	3.8	-7.0
20									
22	109	4.1	78	6.3	60	5.7	39	4.1	-3.4
MEAN	99	7.2	72	6.8	55	5.9	35	3.8	-1.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUN. 6.1989 TMEAM (SEC)	THETA (DEG)
0	119	7.9	91	8.2	68	6.3	40	4.1	-9.6
2	135	7.3	106	7.4	81	6.6	49	4.5	-12.9
4	132	7.3	111	7.8	84	6.4	49	4.3	-15.0
6									
8	155	6.4	111	6.9	82	6.1	50	3.8	-14.2
10									
12	136	8.0	110	6.1	85	5.8	55	3.9	-9.7
14	164	7.4	129	7.4	100	6.1	60	4.1	-10.8
16	165	7.9	135	7.5	102	6.6	62	4.6	-9.9
18	167	9.1	130	9.3	104	8.1	60	5.3	-5.4
20	203	8.9	151	8.4	119	7.3	72	5.1	-7.2
22	168	8.3	134	8.3	110	6.9	66	4.6	-10.6
MEAN	154	7.8	121	7.7	94	6.6	56	4.4	-10.5

JUN. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	195	7.8	158	7.8	122	6.7	72	4.8	-6.7
2	204	7.5	161	8.2	120	7.0	70	4.9	-5.4
4	185	8.1	165	7.8	131	7.5	74	5.0	-9.1
6	184	11.5	145	8.7	106	7.3	61	4.8	-3.1
8	182	9.0	153	8.0	120	7.0	69	4.5	-1.6
10	156	5.9	129	6.9	96	6.2	55	3.8	-2.1
12	139	6.6	110	6.4	84	5.8	52	3.8	2.8
14	164	8.8	124	7.2	93	6.3	58	4.3	-1.9
16	190	8.8	133	8.1	97	6.5	57	4.3	0.8
18									
20	173	8.3	144	8.1	105	7.3	60	4.9	-3.0
22	180	8.2	118	6.8	87	6.5	52	4.5	-2.1
MEAN	177	8.2	140	7.6	106	6.7	62	4.5	-2.9

JUN.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	216	4.9	170	6.9	135	6.4	83	4.4	23.0
2	210	8.4	170	6.6	130	5.8	75	4.1	22.8
4	190	5.3	167	6.8	132	6.0	77	4.1	23.3
6	178	7.2	158	6.6	127	5.8	78	4.2	24.8
8	213	5.2	176	5.9	139	5.8	84	4.2	18.0
10	257	5.8	172	6.4	133	5.7	78	4.1	20.7
12	209	4.6	162	6.6	126	5.4	72	3.8	20.4
14	215	10.4	156	5.4	119	5.0	69	3.7	18.2
16	184	4.9	146	5.9	115	5.2	71	3.8	19.2
18	210	8.0	164	6.6	127	5.9	75	4.0	21.3
20	219	8.5	171	7.3	129	6.4	76	4.3	16.2
22	226	9.3	181	8.0	142	7.0	80	4.7	19.6
MEAN	211	6.9	166	6.6	130	5.9	77	4.1	20.6

JUN. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	144	10.5	114	7.4	83	6.6	50	4.5	-2.4
2	166	7.8	129	8.2	99	7.3	57	4.8	-0.7
4	131	11.7	100	8.6	68	7.4	39	4.7	-1.3
6	124	7.5	87	7.0	65	6.5	41	4.7	2.4
8	104	11.8	84	8.5	64	7.1	40	4.8	5.7
10	156	7.2	110	6.1	84	4.9	51	3.1	19.7
12	156	4.3	115	5.4	91	4.8	56	3.3	23.1
14	135	4.0	112	5.0	91	4.8	58	3.3	18.8
16	168	5.5	128	5.6	99	5.3	59	3.5	24.4
18	174	4.6	137	5.0	104	4.8	61	3.3	19.2
20									
22	179	5.1	136	5.0	106	4.6	63	3.3	26.6
MEAN	149	7.3	114	6.5	87	5.8	52	3.9	12.3

JUN.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	195	8.3	154	7.4	115	6.2	65	3.9	19.5
2	224	6.6	161	6.8	124	6.1	70	4.0	19.2
4	180	5.1	159	6.7	126	6.1	71	4.1	19.0
6	213	8.3	165	7.4	124	6.5	72	4.5	15.4
8	161	11.0	137	7.3	109	6.4	65	4.2	14.2
10	188	8.8	142	7.6	105	5.8	60	3.9	17.6
12	177	10.5	146	7.6	112	6.3	64	4.1	14.7
14	173	7.5	147	7.3	112	6.2	66	4.3	11.3
16	185	6.7	131	6.3	98	5.8	56	3.8	13.9
18	176	7.5	139	7.3	105	6.3	60	4.3	16.2
20	212	11.0	157	8.1	114	6.8	66	4.8	13.7
22	152	7.4	135	7.9	103	7.0	62	4.9	10.7
MEAN	186	8.2	148	7.3	112	6.3	65	4.2	15.4

JUN. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	201	5.0	145	5.5	112	5.1	67	3.4	22.5
2	191	4.4	148	5.6	118	5.4	72	3.8	20.0
4	183	8.0	146	6.1	118	5.5	70	3.6	24.7
6	179	6.3	147	5.5	116	5.1	69	3.5	24.5
8	195	4.6	152	5.1	120	4.8	77	3.6	29.5
10	182	6.8	139	6.1	110	5.0	68	3.4	27.1
12	167	5.6	140	5.9	113	5.3	66	3.4	23.8
14	165	7.3	136	6.1	109	5.3	65	3.7	22.4
16	201	6.7	155	6.4	123	5.4	72	3.8	22.7
18	202	10.3	167	7.4	135	6.5	78	4.3	24.6
20	212	9.1	172	7.9	134	6.5	78	4.2	24.5
22	249	8.8	179	8.2	143	6.7	85	4.6	24.5
MEAN	194	6.9	152	6.3	121	5.5	72	3.8	24.2

JUN.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	176	10.5	131	7.6	97	6.8	58	4.6	9.1
2	189	10.3	147	7.7	108	6.8	63	4.6	13.6
4	154	10.0	124	7.7	91	6.3	54	4.1	15.0
6	176	9.4	140	7.6	107	6.6	61	4.3	15.8
8	154	7.7	131	7.6	100	6.3	57	3.9	17.3
10	181	9.7	150	8.1	109	6.6	63	4.1	15.5
12	172	5.6	143	7.1	113	6.6	67	4.3	12.5
14	152	6.5	128	6.3	99	5.8	59	3.7	6.0
16	183	6.9	141	6.6	108	5.9	63	3.8	10.9
18	186	8.0	138	7.4	105	6.0	61	4.0	8.0
20	147	8.2	124	7.3	96	6.5	59	4.4	3.8
22									
MEAN	170	8.4	136	7.4	103	6.4	60	4.2	11.6

JUN.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	144	9.0	112	7.3	82	6.1	48	4.0	2.3
2	138	9.8	104	7.4	77	6.1	47	4.2	0.0
4	124	8.3	101	6.4	79	5.6	49	4.1	1.4
6	150	6.8	110	7.3	81	6.2	49	4.3	5.4
8	129	7.7	99	7.3	74	6.1	44	4.1	-1.2
10	137	6.7	105	7.0	81	5.8	50	3.9	-1.4
12	135	6.1	99	7.0	72	5.9	45	4.0	5.7
14	131	7.5	101	6.9	74	5.9	43	3.6	1.4
16	141	7.2	108	7.1	81	5.8	49	3.8	0.7
18	140	9.3	104	6.9	77	5.6	46	3.5	-5.6
20	131	7.9	93	6.3	68	5.8	43	3.9	-14.0
22	144	7.8	93	7.3	73	6.7	46	4.6	-7.1
MEAN	137	7.8	102	7.0	77	6.0	47	4.0	-1.0

JUN.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	112	8.2	85	7.8	65	7.1	42	4.9	-6.0
2	100	8.4	86	7.6	67	6.4	43	4.8	-8.8
4	119	9.6	97	8.5	78	7.6	49	5.6	-2.2
6	122	9.3	105	8.5	84	7.9	51	6.1	-1.1
8	128	9.5	93	6.6	68	5.5	43	3.7	-6.5
10	136	7.6	82	6.5	62	5.6	38	3.5	-9.0
12	123	6.9	86	6.4	65	5.8	40	3.4	1.6
14	118	9.3	79	6.4	61	5.5	38	3.4	-2.7
16	117	8.8	83	7.1	61	5.5	36	3.3	2.0
18	97	7.1	74	6.1	56	5.1	36	3.3	-5.8
20	124	10.0	79	7.0	58	5.4	36	3.4	-10.4
22	120	8.0	78	6.4	57	5.5	36	3.6	-17.9
MEAN	118	8.6	86	7.1	65	6.1	41	4.1	-5.6

JUN.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	5.9	84	6.7	63	5.9	40	3.8	-17.5
2	110	7.9	85	6.8	66	6.0	41	3.9	-14.4
4	143	7.6	101	7.5	77	6.6	48	4.6	-8.3
6	127	9.0	100	7.6	77	6.8	46	4.8	-6.6
8	96	5.9	78	7.6	63	6.5	38	4.6	-6.1
10	115	8.5	93	7.8	75	6.6	48	4.7	-10.2
12	121	7.9	93	7.1	70	5.8	44	3.9	-6.6
14	145	8.0	108	6.8	83	5.8	50	3.8	-12.3
16	153	7.8	106	7.2	85	6.2	52	3.9	-8.7
18	153	6.6	115	6.3	83	5.6	50	3.8	-12.5
20	141	7.3	99	6.5	74	5.3	46	3.8	-13.5
22	115	7.5	97	6.2	76	5.5	49	4.1	-7.5
MEAN	129	7.5	97	7.0	74	6.0	46	4.1	-10.3

JUN.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	209	4.2	113	6.8	84	5.8	52	4.1	-3.3
2	169	7.1	116	7.4	89	6.3	56	4.4	-1.3
4	127	6.9	105	6.4	83	6.1	50	4.3	-1.3
6	144	5.6	116	6.0	89	5.8	53	3.8	0.6
8	125	6.3	100	6.9	79	5.3	50	3.8	-7.4
10	143	8.6	106	7.3	80	5.6	48	3.8	-6.4
12	144	9.6	106	7.3	82	6.1	52	4.3	-9.8
14	135	7.3	110	6.5	85	5.8	51	4.0	-2.7
16	138	8.3	101	7.3	80	6.4	50	4.6	-5.8
18	147	10.4	96	7.0	72	5.9	42	3.5	-2.3
20	129	7.1	102	7.0	78	5.7	47	3.5	-5.3
22	147	6.4	110	6.9	84	5.8	49	3.5	-7.6
MEAN	146	7.3	107	6.9	82	5.9	50	4.0	-4.4

JUN.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	185	6.4	156	6.2	118	5.6	67	3.6	-8.2
2	241	7.8	175	6.8	136	6.0	81	4.0	-1.5
4	233	7.9	194	6.1	152	5.8	91	3.9	7.0
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	220	7.4	175	6.4	135	5.8	80	3.8	-0.9

JUN.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

JUN.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22	211	9.5	171	7.5	139	7.6	86	5.6	18.6
MEAN	211	9.5	171	7.5	139	7.6	86	5.6	18.6

JUN.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	7.1	160	7.8	134	7.9	87	5.8	18.1
2	285	7.9	207	7.9	160	8.3	97	6.3	16.8
4	219	8.3	182	9.0	149	8.5	96	6.3	15.1
6	186	7.1	166	7.9	143	7.6	88	5.8	14.8
8	285	3.4	154	5.8	120	6.3	76	4.9	10.4
10	150	3.1	129	6.9	108	6.8	69	5.0	12.9
12	174	4.3	144	5.9	115	6.1	72	4.4	13.1
14	284	4.2	171	7.1	132	7.3	82	5.2	16.1
16	325	5.8	156	6.5	115	6.3	70	4.5	24.4
18	198	7.9	154	7.6	123	7.0	78	5.0	23.4
20	230	5.1	163	7.6	123	7.1	74	4.9	22.6
22	203	3.7	146	5.9	107	5.9	63	4.1	25.7
MEAN	227	5.7	161	7.2	127	7.1	79	5.2	17.8

JUN.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	217	4.2	167	6.4	126	6.2	75	4.5	21.3
2	209	8.6	160	7.7	127	7.2	74	5.1	18.9
4	348	8.5	178	7.8	128	7.5	74	5.0	18.5
6	192	4.7	147	7.0	117	6.8	72	5.0	15.0
8	177	6.8	142	8.3	111	7.3	63	5.0	12.4
10	144	8.1	127	6.4	103	6.9	65	5.0	17.3
12	166	3.9	119	7.4	100	6.6	65	4.9	13.3
14	158	6.4	132	7.6	105	7.3	64	5.3	12.5
16	119	5.6	104	8.1	88	7.9	52	5.2	12.1
18	138	7.0	105	8.3	82	7.8	48	4.9	7.1
20	140	7.4	116	8.0	96	7.9	62	6.0	7.6
22	154	8.5	123	8.5	95	8.4	55	6.0	7.5
MEAN	180	6.6	135	7.6	107	7.3	64	5.2	13.6

JUN.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	129	8.1	117	8.6	96	8.5	59	6.6	8.5
6	171	9.6	129	8.9	109	8.6	69	6.9	10.8
8	147	6.8	131	8.6	112	8.9	76	7.1	11.4
10	151	9.4	118	8.3	96	8.1	58	5.9	6.7
12	137	6.6	119	9.4	97	8.0	61	6.3	9.3
14	138	7.9	121	8.8	98	8.3	59	6.1	9.5
16	145	7.4	120	8.8	98	8.8	62	7.2	7.4
18	143	9.4	122	9.8	89	9.5	51	6.6	3.8
20	128	8.3	94	9.2	77	9.1	47	6.7	6.4
22	139	7.9	112	9.4	86	8.8	54	7.5	5.3
MEAN	143	8.1	118	9.0	96	8.7	60	6.7	7.9

JUN.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	142	9.5	112	9.3	90	9.2	55	7.6	4.3
2	123	8.9	110	8.9	88	8.8	52	6.9	6.2
4	136	9.5	105	9.3	82	8.7	49	6.9	6.1
6	124	8.1	100	9.4	82	9.1	51	7.1	5.7
8	139	8.1	110	8.8	88	8.9	54	6.3	4.0
10	117	9.8	95	9.8	75	8.6	44	6.0	2.4
12	117	7.5	101	9.6	82	8.6	51	6.3	2.6
14	128	10.9	109	9.8	90	8.6	55	6.4	6.0
16	125	6.7	99	8.6	77	8.6	47	6.6	4.5
18									
20									
22									
MEAN	128	8.8	105	9.3	84	8.8	51	6.7	4.6

JUN.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	158	12.1	125	6.1	99	5.4	62	4.1	24.3
20	162	4.3	130	6.7	104	6.1	66	4.4	25.9
22	290	5.2	111	6.5	82	5.3	50	3.8	25.7
MEAN	203	7.2	122	6.4	95	5.6	59	4.1	25.3

JUN.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	216	9.8	131	6.6	90	5.6	52	3.8	24.3
2	284	3.6	162	5.8	103	5.6	60	3.9	30.6
4	138	10.4	109	7.4	85	5.8	51	3.9	19.7
6	135	5.5	108	6.6	84	5.8	53	4.2	19.0
8	127	4.8	98	7.6	76	6.3	49	4.4	16.7
10	141	12.0	107	7.4	82	7.3	50	5.0	13.8
12	131	11.8	110	7.6	83	6.9	50	5.1	13.8
14	125	6.7	101	6.6	86	6.6	54	5.2	12.4
16	131	6.4	113	7.3	94	7.0	61	5.6	12.9
18	152	8.7	119	6.9	96	6.9	60	5.2	15.5
20	151	6.5	115	6.3	93	6.1	58	4.4	21.0
22	283	3.1	127	6.5	94	6.4	55	4.5	20.0
MEAN	168	7.4	117	6.9	89	6.4	54	4.6	18.3

JUN.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	144	8.1	123	7.8	99	7.0	61	5.2	11.2
2	136	7.4	109	8.3	91	7.4	62	5.7	10.7
4	117	7.6	90	6.9	72	6.9	47	5.1	7.8
6	112	7.9	91	8.1	76	7.7	47	5.4	14.5
8	133	8.0	106	8.7	82	7.8	48	5.4	13.0
10	102	8.8	85	8.4	70	7.9	43	5.7	14.2
12	89	8.1	82	8.3	68	8.3	41	5.9	7.4
14	109	7.8	83	8.4	65	7.9	42	6.1	7.8
16	108	12.3	90	7.9	69	7.6	42	5.6	8.3
18	112	7.3	93	8.0	74	7.8	46	6.0	11.7
20	108	6.8	87	7.6	69	7.6	43	6.2	14.9
22	114	6.8	97	7.6	78	7.6	49	5.8	12.5
MEAN	115	8.1	95	8.0	76	7.6	48	5.7	11.2

JUN.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	110	8.0	90	7.1	77	7.3	47	5.7	12.6
2	95	6.1	78	7.4	64	7.4	42	5.7	10.6
4	109	7.9	83	7.8	71	7.4	47	6.3	11.7
6	100	8.8	86	8.4	68	7.9	39	5.4	14.7
8	114	8.0	90	7.3	70	6.3	42	4.0	26.3
10	112	8.6	88	7.5	66	6.3	38	3.9	28.0
12	113	7.5	92	7.6	74	6.8	46	4.5	21.8
14	126	6.8	94	6.9	77	6.7	48	4.8	18.0
16	246	7.4	111	7.8	82	7.1	49	4.7	16.9
18	118	7.2	88	7.9	73	7.6	45	5.2	18.4
20	108	9.5	84	7.7	69	7.3	42	5.3	15.9
22	100	7.9	86	7.4	71	7.7	44	5.9	14.4
MEAN	121	7.8	89	7.6	72	7.1	44	5.1	17.4

JUN.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	6.3	81	7.9	62	8.1	38	6.0	13.6
2	75	6.3	64	7.4	54	7.4	32	5.1	14.7
4	91	11.1	75	8.0	59	7.3	35	5.1	10.5
6	101	9.1	80	7.5	60	6.5	36	4.3	10.9
8	98	7.0	77	6.8	61	6.6	36	4.3	14.5
10	105	7.0	82	7.3	64	6.6	38	4.3	11.8
12	109	7.1	82	7.3	62	7.1	36	4.8	11.9
14	95	6.1	77	8.0	59	6.5	35	4.2	1.9
16	98	7.1	69	7.3	53	6.8	31	4.3	0.7
18	99	6.3	70	6.6	57	6.7	35	4.6	0.6
20	116	8.0	76	7.1	56	5.6	32	3.3	1.7
22	293	5.9	103	5.5	71	5.0	42	3.4	32.3
MEAN	115	7.3	78	7.2	60	6.7	36	4.5	10.4

JUN.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	99	4.9	80	6.1	65	5.8	40	4.1	6.9
2	137	6.3	112	6.9	89	6.5	53	4.9	1.0
4	107	6.1	86	6.9	71	6.7	43	4.9	1.8
6	116	6.6	91	7.0	73	6.9	47	5.3	4.9
8	110	7.1	96	9.3	79	7.7	50	5.4	3.5
10	106	7.7	93	7.3	76	6.8	49	5.4	2.4
12									
14	94	10.1	78	7.5	62	6.7	37	4.5	0.4
16									
18									
20									
22	89	9.9	75	8.1	57	7.9	35	6.1	6.7
MEAN	107	7.3	89	7.4	72	6.9	44	5.1	3.4

JUN.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	5.8	79	8.1	65	8.3	40	6.6	4.0
2	104	8.5	88	8.6	70	8.1	42	6.4	7.9
4	121	8.3	88	8.8	69	8.5	38	5.7	8.4
6	102	8.6	92	8.8	78	9.0	46	6.6	7.3
8	103	8.2	87	8.3	69	8.4	41	6.2	6.5
10	119	7.3	102	8.5	81	8.7	51	6.8	5.0
12	116	9.9	99	8.9	78	8.8	46	7.3	6.9
14	118	9.4	100	8.6	82	8.6	50	6.6	4.2
16	113	8.4	98	8.8	80	9.0	49	7.4	7.0
18	115	7.3	102	8.9	81	8.8	48	6.6	7.9
20	256	4.6	102	8.3	73	8.6	40	5.4	9.0
22	103	8.5	92	8.6	74	8.5	41	5.7	5.6
MEAN	122	7.9	94	8.6	75	8.6	44	6.4	6.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	1.1989 THETA (DEG)
0	148	8.1	120	8.8	95	8.5	53	5.8	7.9
2	196	5.4	124	8.8	92	8.4	50	5.1	9.6
4	297	6.8	153	5.8	102	5.6	58	3.8	17.3
6	312	3.5	171	4.7	126	5.1	73	4.0	24.9
8	171	4.7	137	6.1	108	5.4	69	4.2	24.2
10	288	4.1	179	5.7	137	5.8	82	4.6	21.0
12	302	2.4	177	4.9	142	5.8	87	4.6	23.5
14	247	5.8	191	5.9	148	5.8	92	4.6	23.4
16	329	5.4	181	5.8	140	5.5	92	4.6	26.2
18	289	6.9	196	6.8	150	6.9	94	5.0	25.4
20	370	6.5	199	6.6	153	6.4	98	5.0	25.9
22	316	3.9	201	5.9	155	6.2	94	4.8	26.3
MEAN	272	5.3	169	6.3	129	6.3	79	4.7	21.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	4.1989 THETA (DEG)
0	226	6.5	162	6.8	123	6.4	77	4.5	18.2
2	314	4.3	187	6.9	143	6.8	91	5.1	15.7
4	254	4.6	182	6.5	146	6.5	89	5.3	15.6
6	347	8.0	212	6.8	174	6.8	109	5.5	11.5
8	277	3.3	170	5.6	139	6.4	89	4.9	8.8
10	269	4.3	162	5.4	124	5.9	75	4.6	12.7
12	173	4.9	150	6.0	123	6.6	75	4.8	15.1
14	194	7.8	169	8.3	144	7.7	92	5.6	14.8
16	244	6.9	190	6.9	151	7.1	92	5.5	16.4
18	217	7.3	182	8.1	150	7.6	93	5.6	16.0
20	220	7.7	173	7.7	150	7.3	98	5.7	15.7
22	310	2.7	201	6.8	159	6.9	101	5.7	15.3
MEAN	254	5.7	178	6.8	144	6.8	90	5.2	14.6

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	2.1989 THETA (DEG)
0	246	4.3	199	6.9	165	6.9	103	5.3	27.6
2	376	7.1	238	6.0	173	6.3	105	4.8	34.9
4	236	7.9	187	7.4	153	7.0	95	5.1	26.9
6	195	5.6	165	7.1	134	6.9	84	5.1	20.3
8	184	3.5	142	5.8	111	5.8	73	4.6	20.3
10	250	5.1	132	6.6	104	6.1	63	4.4	22.1
12	174	7.3	146	6.9	124	6.9	78	5.1	22.9
14	297	4.8	168	7.4	128	7.4	75	5.1	25.5
16	198	5.3	152	7.8	120	7.3	73	4.8	24.1
18	339	8.8	175	7.6	136	8.0	82	5.3	23.0
20	194	7.7	176	8.2	145	7.8	95	6.3	20.9
22	184	8.5	165	8.6	140	8.3	86	5.8	19.9
MEAN	239	6.3	170	7.2	136	7.1	84	5.1	24.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	5.1989 THETA (DEG)
0	239	8.9	184	8.1	153	7.9	97	6.0	14.1
2	214	8.3	184	8.1	157	7.7	106	6.1	16.8
4	217	8.3	180	8.5	148	8.2	103	6.8	13.4
6	322	9.8	201	8.2	153	8.3	96	6.5	15.0
8	176	6.6	157	7.6	133	7.9	83	6.0	14.9
10	184	3.6	142	7.1	115	7.4	67	5.4	17.1
12	167	10.6	134	7.8	111	7.6	72	6.1	20.6
14	157	8.8	142	8.4	124	8.0	78	6.2	16.7
16	181	8.1	162	8.6	142	8.3	94	6.9	15.4
18	194	7.8	166	8.3	134	8.8	85	6.9	11.2
20	286	10.5	202	9.4	156	8.6	92	6.4	11.7
22	224	10.9	160	9.1	129	8.4	78	6.7	17.8
MEAN	213	8.5	168	8.3	138	8.1	88	6.3	15.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	3.1989 THETA (DEG)
0	226	8.8	170	8.5	139	7.9	85	5.8	23.1
2	244	9.4	176	8.9	140	8.3	86	6.2	20.3
4	219	9.5	185	9.3	151	8.5	92	6.1	19.0
6	185	9.7	162	8.7	133	7.9	85	5.9	17.2
8	162	4.3	130	6.7	111	7.0	70	5.3	16.4
10	166	7.8	125	7.6	104	7.0	63	4.9	12.7
12	267	3.8	156	6.3	121	6.4	71	4.6	17.2
14	300	6.4	190	7.1	134	7.3	77	4.9	20.4
16	341	5.2	208	7.1	152	7.1	95	5.3	18.4
18	225	6.1	182	6.3	136	6.0	82	4.4	19.0
20	305	3.9	168	6.1	128	6.2	77	4.5	23.3
22	228	4.8	175	7.1	135	7.3	83	5.3	19.0
MEAN	239	6.6	169	7.5	132	7.2	81	5.3	18.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	JUL. TMEAM (SEC)	6.1989 THETA (DEG)
0	165	8.1	149	8.9	124	8.5	72	6.3	11.0
2	153	9.3	137	8.3	115	8.5	71	6.8	10.9
4	151	9.8	124	8.4	97	8.2	57	6.2	10.5
6	167	8.4	133	8.1	104	8.3	61	5.9	15.4
8	168	9.4	134	8.0	104	7.6	61	5.0	17.7
10	138	9.0	115	7.8	97	7.6	60	5.2	22.0
12	240	3.8	123	6.8	92	7.1	56	5.0	18.6
14	134	6.4	116	7.3	98	7.1	61	4.9	17.5
16	213	4.9	152	7.3	114	6.8	70	4.8	20.5
18	207	6.6	123	7.1	96	6.4	58	4.2	18.7
20	317	7.8	202	5.6	128	5.8	73	4.3	26.4
22	136	5.1	113	6.0	92	5.8	58	4.3	17.9
MEAN	182	7.4	135	7.5	105	7.3	63	5.2	17.3

JUL. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	295	5.1	182	6.3	119	6.6	68	4.7	12.7
2	149	6.3	110	6.8	88	6.3	54	4.5	14.0
4	155	6.1	122	5.8	97	6.3	65	5.4	9.6
6	188	4.9	117	5.9	94	6.0	59	4.5	13.1
8	200	4.9	134	6.3	107	5.9	66	4.5	9.3
10	167	4.6	126	6.7	99	6.4	59	4.4	13.4
12	178	2.9	134	5.4	103	5.8	64	4.4	10.3
14	143	5.3	123	6.8	99	6.3	63	4.7	20.4
16	131	6.5	106	6.6	83	6.4	51	4.5	16.0
18	109	6.9	89	6.5	72	6.6	45	4.9	15.1
20	100	7.1	86	7.4	68	6.9	42	5.0	10.1
22									
MEAN	165	5.5	121	6.4	94	6.3	58	4.7	13.1

JUL.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	65	6.8	55	7.4	46	7.2	28	5.4	-8.4
2	67	7.3	56	7.1	46	7.1	29	5.3	-7.1
4	68	7.0	54	8.3	42	7.3	26	5.1	-10.5
6	69	13.6	57	7.6	46	6.8	27	4.5	-11.3
8	79	6.1	63	6.5	48	6.6	29	4.8	-11.7
10	73	8.3	54	7.3	44	7.3	27	5.0	-12.7
12	68	9.9	56	9.0	44	8.0	28	5.7	-5.5
14	73	6.6	58	7.8	43	7.3	26	4.8	-6.3
16	70	10.3	52	7.4	39	7.0	24	4.5	-8.3
18	70	6.9	57	8.8	44	7.5	26	4.8	-7.2
20	64	8.5	52	8.5	39	7.6	24	5.2	-14.1
22	63	7.8	52	8.1	40	7.9	24	5.8	-10.7
MEAN	69	8.3	56	7.8	43	7.3	27	5.1	-9.5

JUL. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	100	7.8	84	7.5	69	7.6	41	5.4	6.7
20	102	7.1	75	8.6	60	8.1	37	6.0	5.4
22	88	6.6	70	7.8	57	7.6	35	5.9	3.9
MEAN	97	7.2	76	8.0	62	7.8	38	5.8	5.3

JUL.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	71	8.0	49	9.0	39	8.0	23	5.4	-6.3
2	66	7.5	48	8.4	37	7.2	22	4.6	-4.8
4	73	9.1	54	7.9	39	6.6	23	4.4	-9.4
6	79	12.3	56	8.3	45	7.4	27	4.9	-9.8
8	60	9.3	50	8.3	39	7.3	24	4.8	-6.8
10	71	9.1	53	9.0	41	8.0	24	5.0	-3.9
12	67	10.1	48	9.1	34	7.8	19	4.4	0.7
14	54	9.3	42	9.0	35	8.2	20	5.1	1.8
16									
18									
20	61	9.3	53	9.5	43	8.6	25	5.9	-6.5
22	60	7.9	50	9.1	39	8.3	23	5.6	4.4
MEAN	66	9.2	50	8.8	39	7.7	23	5.0	-4.1

JUL. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	95	7.8	80	7.6	68	7.4	43	5.9	3.0
2	99	10.2	85	7.5	69	7.4	42	5.6	3.4
4	91	7.3	75	7.0	60	7.2	39	5.6	1.0
6	80	6.8	70	7.3	56	7.1	34	5.4	0.9
8	112	7.6	79	7.8	62	7.5	39	5.7	3.5
10	87	10.0	70	7.8	55	7.1	33	5.1	3.5
12	100	6.0	75	7.6	58	7.3	35	5.3	3.4
14	88	10.2	70	7.9	53	7.4	33	5.2	-2.9
16	86	6.0	64	8.2	54	7.4	35	5.4	-6.6
18	70	6.9	59	7.5	48	6.9	31	5.1	-10.9
20	87	6.7	62	6.8	48	6.6	28	4.9	-10.1
22	66	7.1	59	8.2	48	7.5	30	5.6	-7.1
MEAN	88	7.7	71	7.6	57	7.2	35	5.4	-1.6

JUL.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	74	8.9	64	9.7	50	9.0	28	5.6	2.0
2	80	10.3	56	9.6	42	8.9	25	5.3	-5.2
4	83	7.6	61	8.5	46	7.8	27	4.9	-3.3
6	75	9.7	59	8.4	45	6.4	27	4.0	-6.3
8	70	6.6	54	7.3	42	6.0	25	4.0	-6.3
10	83	8.8	65	8.1	50	7.6	30	5.1	-9.7
12	81	11.6	62	9.9	49	9.0	28	5.5	-9.4
14	114	7.7	79	8.6	56	6.3	33	3.8	22.0
16	107	6.7	84	5.3	70	4.6	45	3.3	21.6
18	361	4.0	202	4.7	148	5.3	92	4.3	24.3
20	354	6.3	209	5.6	158	5.6	101	4.7	31.4
22	234	5.2	159	5.9	126	5.8	78	4.3	24.6
MEAN	143	7.8	96	7.6	74	6.9	45	4.6	7.1

JUL.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	193	3.5	137	5.5	108	5.7	68	4.3	25.6
2	143	6.2	121	6.4	101	6.1	66	4.8	23.1
4	166	5.7	116	6.6	88	5.9	54	4.3	24.7
6	270	6.6	139	6.9	96	6.4	55	4.4	19.6
8	184	4.9	122	6.4	90	6.6	55	4.8	20.6
10	283	5.4	158	6.9	101	6.0	56	4.3	24.4
12	124	6.6	105	7.5	86	6.9	55	4.9	23.3
14	276	4.3	141	7.4	96	6.6	56	4.3	26.6
16	310	5.0	213	5.3	128	6.4	71	4.3	23.6
18	190	8.1	130	7.5	96	6.8	58	4.5	17.8
20	183	6.1	116	7.1	93	6.7	55	4.3	19.7
22	171	11.8	107	8.4	80	7.5	49	4.9	19.0
MEAN	208	6.2	134	6.8	97	6.5	58	4.5	22.3

JUL.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	125	6.4	101	8.3	80	7.4	47	5.1	19.6
2	132	7.7	103	8.6	78	8.1	43	5.1	10.4
4	123	6.9	107	8.9	82	8.5	46	5.7	10.3
6	163	9.3	114	8.1	90	8.0	51	5.4	8.4
8	141	8.2	111	7.6	87	7.9	51	5.4	11.1
10									
12									
14	156	6.6	118	7.9	88	7.2	50	4.8	5.8
16	143	6.6	115	8.4	88	7.4	52	5.0	5.3
18	143	11.9	113	8.6	88	8.3	53	5.9	6.0
20	129	6.7	109	9.4	85	8.7	51	6.3	8.1
22	143	7.5	95	8.7	75	8.9	44	6.1	6.9
MEAN	140	7.8	109	8.4	84	8.0	49	5.5	9.2

JUL.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	11.3	99	8.6	78	8.2	47	6.4	8.7
2	127	7.2	111	8.3	90	9.0	55	6.9	7.2
4	122	7.3	105	8.7	81	8.3	46	5.9	8.7
6	138	9.6	111	8.5	89	7.6	54	5.6	8.7
8	125	11.5	106	8.6	83	7.6	52	5.9	6.2
10	122	6.8	110	8.0	90	7.9	54	5.9	4.7
12	122	9.6	107	8.8	86	8.2	52	6.1	2.3
14									
16									
18	111	6.9	92	7.7	70	8.4	42	5.9	6.3
20	108	10.8	97	8.6	78	8.4	45	5.9	8.3
22	114	8.6	94	8.5	74	8.3	42	5.9	6.6
MEAN	122	9.0	103	8.4	82	8.2	49	6.0	6.8

JUL.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	119	10.9	93	9.3	77	8.4	49	6.4	3.4
2	130	9.6	98	7.7	73	8.6	42	6.1	3.7
4	103	11.3	91	8.1	69	7.9	41	5.4	3.7
6	106	7.4	89	8.4	77	8.1	46	5.6	5.0
8	104	7.0	90	7.7	67	7.6	40	5.3	3.7
10	107	8.5	90	7.9	70	7.5	43	5.4	3.6
12	106	5.9	85	8.1	62	8.0	37	5.4	1.3
14	92	9.1	82	9.3	65	8.3	40	5.8	-0.7
16	106	11.4	85	8.1	63	7.5	37	5.2	-0.1
18	294	3.9	89	7.5	58	6.9	32	4.3	-0.2
20	99	10.3	85	8.8	68	8.0	41	5.4	3.0
22	121	9.3	81	8.4	63	7.1	38	4.5	2.3
MEAN	124	8.7	88	8.3	68	7.8	41	5.4	2.4

JUL.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	167	8.4	88	6.7	67	6.3	41	4.1	12.5
2	108	7.0	90	7.0	73	6.5	46	4.6	3.4
4	123	8.6	98	5.8	82	6.1	51	4.5	3.1
6									
8	134	5.3	103	6.4	80	6.2	47	4.3	4.2
10	111	5.9	93	6.9	77	6.8	47	5.1	2.4
12	104	5.6	90	7.2	73	7.0	45	5.3	2.3
14	128	7.4	111	7.6	88	7.3	52	5.1	3.0
16	216	6.8	137	7.0	97	6.4	56	4.6	4.4
18	157	7.6	139	7.3	116	6.9	70	5.1	6.9
20	264	7.6	153	7.0	119	7.0	70	4.9	4.3
22	286	3.8	145	6.8	107	6.5	63	4.5	0.6
MEAN	163	6.7	113	6.9	89	6.6	53	4.7	4.3

JUL.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	341	7.8	159	7.8	119	6.8	72	4.9	-2.1
2	217	4.6	142	7.0	110	6.7	65	4.7	2.1
4	286	4.4	147	6.6	110	6.9	65	4.8	11.7
6	321	6.8	235	5.9	157	6.3	87	4.9	10.1
8	199	5.6	145	6.4	117	6.4	76	5.0	7.5
10	168	7.2	141	6.8	118	6.7	73	5.1	9.9
12	183	6.6	140	6.8	116	7.1	76	5.4	6.0
14	148	6.0	133	7.1	106	6.8	63	4.8	9.3
16	188	8.3	149	7.8	119	7.2	74	5.4	5.4
18	159	7.6	137	7.8	109	7.1	68	5.3	5.3
20	151	6.3	130	7.6	106	7.1	66	5.1	6.4
22	161	5.9	114	7.4	90	6.9	52	4.6	6.8
MEAN	210	6.4	148	7.1	115	6.8	70	5.0	6.5

JUL.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	148	9.1	114	8.1	89	7.5	56	5.3	8.2
2	143	7.3	118	7.3	90	7.1	53	5.1	7.9
4	128	9.1	110	8.3	87	7.9	51	5.5	5.8
6	133	7.8	122	8.3	98	8.1	61	6.2	7.9
8	164	7.8	126	7.6	103	7.4	64	5.7	7.0
10	155	6.2	121	8.3	101	7.7	61	5.4	6.4
12	143	5.3	120	7.1	94	6.6	55	4.9	6.2
14	203	6.1	162	7.3	135	7.6	80	6.0	4.7
16	180	5.6	150	7.8	124	8.1	74	6.5	2.9
18	147	9.2	126	8.2	101	7.8	64	6.4	5.5
20	179	9.1	148	8.3	125	8.6	80	7.0	5.1
22	187	7.4	144	8.1	119	8.4	72	6.6	4.1
MEAN	159	7.5	130	7.9	106	7.7	64	5.9	6.0

JUL.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	173	12.8	149	9.6	118	8.8	72	6.6	3.5
2	203	5.3	143	7.8	111	8.3	65	6.6	4.2
4	283	5.0	164	8.0	124	8.3	74	6.6	5.1
6	164	7.6	133	8.3	105	8.8	66	6.6	7.1
8	144	8.5	129	8.0	108	8.2	67	6.4	5.9
10	157	9.0	120	7.9	93	7.3	56	5.3	4.8
12	145	10.1	118	8.1	91	7.4	54	5.3	6.9
14	171	10.6	139	8.8	114	8.3	67	6.1	4.6
16	138	9.1	117	8.1	91	8.4	55	6.1	1.9
18	146	7.4	119	9.0	91	8.5	51	5.6	0.6
20	145	9.4	117	8.8	88	8.4	49	5.9	-0.4
22	144	9.9	122	9.3	100	8.3	60	6.5	2.2
MEAN	168	8.7	131	8.5	103	8.2	61	6.1	3.9

JUL.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	142	8.7	124	8.4	98	8.8	55	6.5	4.4
2	134	8.2	110	8.5	89	8.8	52	6.8	4.8
4	111	8.1	101	9.0	81	8.5	47	5.9	5.1
6	172	8.3	123	8.0	97	8.1	56	6.0	6.3
8	163	10.5	117	8.8	94	8.3	57	6.2	4.0
10	136	8.9	116	8.6	92	8.1	53	5.8	4.8
12	126	6.4	107	7.9	86	8.3	49	5.5	3.3
14	128	9.3	105	7.8	81	8.1	43	4.9	0.8
16									
18									
20	112	9.8	90	9.7	72	9.1	43	6.5	-0.9
22	116	7.1	97	8.0	78	8.4	46	6.4	0.1
MEAN	134	8.5	109	8.5	87	8.4	50	6.0	3.3

JUL.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	150	10.4	111	9.3	82	8.8	48	6.2	4.8
2	105	7.6	94	8.3	76	8.3	48	6.6	2.7
4	104	9.4	87	9.1	68	8.7	41	6.5	0.9
6	109	9.5	89	9.3	68	9.0	41	6.4	1.5
8	143	10.9	105	8.4	78	8.4	48	6.4	3.1
10	121	9.3	103	9.6	76	8.7	44	6.4	2.4
12	105	7.5	84	7.8	62	7.9	33	5.0	-1.6
14	135	8.8	103	8.9	79	8.0	43	4.8	-4.6
16	107	8.4	88	8.5	70	7.8	38	4.6	-13.3
18	124	7.3	95	9.3	72	8.6	42	5.5	-7.3
20	100	10.0	84	9.1	68	8.9	40	6.4	-0.8
22	109	10.6	87	9.1	68	9.9	41	7.4	1.7
MEAN	118	9.1	94	8.9	72	8.6	42	6.0	-0.9

JUL.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	96	9.9	80	10.0	60	9.3	34	6.1	1.8
2	82	12.6	68	8.4	54	7.8	31	5.4	0.1
4	110	11.8	85	9.4	68	9.2	42	6.9	-3.0
6	109	9.1	92	9.3	71	9.4	42	7.5	-0.2
8	123	8.8	88	9.3	68	9.0	39	6.5	-1.9
10	109	10.0	95	9.8	75	9.2	41	6.3	3.2
12	116	8.2	97	7.6	76	8.2	43	5.6	0.8
14	133	9.4	102	9.4	77	9.1	41	5.3	-1.2
16	137	8.2	107	8.9	82	8.8	46	5.7	-3.9
18	122	10.5	104	10.0	80	9.0	45	6.1	-1.3
20									
22	130	7.9	111	9.6	86	9.4	49	6.9	1.0
MEAN	115	9.7	94	9.2	72	8.9	41	6.2	-0.4

JUL.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	11.4	98	9.9	77	8.9	45	6.3	-1.6
2	140	8.1	113	9.3	90	8.6	52	6.3	0.5
4	137	9.2	124	9.6	98	9.8	57	6.9	2.3
6	145	10.9	114	9.3	84	9.0	46	6.3	-1.1
8	123	10.6	103	9.9	78	9.5	42	6.5	1.2
10	161	11.9	100	10.6	71	9.0	40	6.3	3.3
12	120	9.3	92	8.0	69	8.3	39	5.9	4.3
14	120	9.9	102	8.6	80	7.8	46	5.1	-8.5
16	139	6.8	104	9.8	78	8.5	44	5.3	-3.9
18	150	9.8	111	9.5	75	9.3	41	5.6	-1.6
20	119	11.5	92	10.4	66	8.7	39	6.0	-2.9
22	88	9.6	77	9.5	67	9.4	43	7.1	-3.0
MEAN	130	9.9	103	9.5	78	8.9	45	6.1	-0.9

JUL.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	11.6	89	9.6	67	8.9	36	5.8	-2.4
2	135	7.5	108	8.8	84	8.8	47	6.3	2.0
4	130	9.0	101	8.8	78	8.1	47	6.1	-3.5
6	107	11.5	93	8.8	78	8.2	47	5.6	-6.3
8	139	6.5	97	7.6	73	8.1	45	6.0	-0.3
10	124	9.3	95	9.0	73	8.3	39	5.3	-1.5
12	110	12.2	85	8.4	64	8.0	37	5.3	-3.8
14	154	11.2	100	8.3	72	7.8	41	5.1	-2.6
16	100	11.2	84	8.3	64	8.5	37	5.6	-2.4
18	119	9.8	86	8.9	62	7.7	36	5.0	-8.7
20	98	6.2	82	9.4	65	8.7	37	5.7	-1.6
22	93	5.6	83	7.8	71	8.4	44	6.3	-2.9
MEAN	120	9.3	92	8.6	71	8.3	41	5.7	-2.8

JUL.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	131	9.5	103	9.9	80	8.8	46	6.1	-0.6
2	128	7.4	95	8.1	77	8.1	49	6.3	-1.4
4	125	7.8	109	7.6	91	7.6	54	5.6	-1.5
6	129	9.0	116	8.0	93	7.8	57	5.7	-2.5
8	145	6.6	113	8.0	88	7.5	53	5.7	-5.8
10	139	7.6	106	7.6	85	7.8	55	6.3	-5.8
12	138	7.8	115	8.3	95	8.3	61	6.6	-0.8
14	122	8.6	108	7.8	89	8.1	52	5.8	-0.8
16	136	7.7	106	8.9	85	7.8	51	5.5	-2.5
18	130	7.3	116	7.9	94	8.1	58	6.3	-4.3
20	131	10.0	119	9.2	98	9.0	60	6.6	-4.0
22	129	7.8	119	8.0	97	7.8	61	6.6	-4.4
MEAN	132	8.1	110	8.3	89	8.1	55	6.1	-2.9

JUL.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	134	7.9	114	7.9	92	7.8	58	6.2	-2.5
2	181	9.3	145	8.4	115	7.9	68	6.1	-0.8
4	146	7.7	132	8.6	115	7.8	73	6.0	-4.4
6	143	6.2	129	8.5	113	7.9	71	5.9	-3.3
8	197	9.9	149	7.5	119	7.8	70	5.8	-1.6
10	188	3.6	148	7.5	121	7.8	76	6.3	0.8
12	149	7.8	118	8.1	93	8.3	59	6.3	-1.0
14	142	8.0	127	8.9	101	8.1	60	5.8	-0.2
16	172	9.8	121	8.1	93	7.7	57	5.8	-1.6
18	124	7.6	109	8.2	91	7.4	57	5.8	-3.9
20	158	10.3	134	8.8	110	8.4	67	6.3	-1.5
22	131	7.2	109	7.3	91	7.6	58	5.8	-1.3
MEAN	155	7.9	128	8.1	105	7.9	65	6.0	-1.8

JUL.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	111	7.5	104	8.0	88	7.9	56	5.6	0.0
2	125	10.1	110	7.7	84	7.3	48	4.8	0.5
4	137	7.0	109	7.4	87	7.3	53	5.2	1.9
6	153	5.4	117	8.0	96	7.1	61	5.4	1.6
8	184	7.2	137	7.6	105	7.6	62	5.4	3.7
10	144	8.4	116	7.3	92	7.1	55	5.2	5.0
12	153	8.6	126	8.0	99	7.4	61	5.8	1.4
14	156	7.6	115	7.4	89	6.9	52	4.9	-1.2
16	125	7.5	113	7.7	93	7.3	56	5.4	-3.8
18	193	7.8	131	7.2	108	7.3	66	5.5	-0.6
20	170	6.8	136	7.6	104	6.9	61	4.9	-0.3
22	175	8.3	149	8.3	122	7.9	76	6.1	-0.9
MEAN	152	7.7	122	7.7	97	7.3	59	5.3	0.6

JUL.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	172	7.8	138	7.4	107	7.3	61	5.3	0.2
2	180	7.1	142	7.8	111	7.6	66	5.4	-1.5
4	175	7.6	148	7.6	122	7.8	78	5.6	1.7
6	159	8.3	141	7.2	119	7.1	75	5.4	-2.7
8	171	5.3	149	6.0	123	6.6	81	5.6	4.1
10	161	6.6	151	7.1	128	7.3	78	5.4	2.3
12	183	8.9	165	7.8	135	7.6	82	5.8	0.7
14									
16									
18	335	6.3	202	7.6	157	7.9	96	6.2	0.8
20	218	7.8	180	8.4	152	8.2	93	6.3	0.0
22	231	11.6	176	8.5	145	8.3	83	5.9	-2.3
MEAN	199	7.7	159	7.5	130	7.6	79	5.7	0.3

JUL.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	225	8.0	189	7.8	158	7.7	93	6.0	1.7
2	347	9.0	201	8.2	157	8.3	91	5.9	2.2
4	231	6.8	190	8.0	164	8.0	101	6.0	-0.9
6	273	5.3	174	7.2	141	6.8	87	5.6	-1.9
8	208	3.7	158	6.2	129	6.8	77	5.1	0.7
10	187	7.0	153	7.3	122	7.1	73	5.1	0.3
12	176	7.8	157	8.4	137	8.2	88	6.0	2.2
14	204	9.5	180	8.3	154	8.5	98	6.4	-0.4
16	209	8.2	171	7.9	140	8.4	82	5.8	-2.7
18	333	7.6	195	7.6	151	7.6	92	5.9	-1.2
20	216	11.5	175	8.3	142	8.1	92	6.3	-3.4
22	235	8.4	178	9.4	148	9.0	91	6.8	0.2
MEAN	237	7.7	177	7.9	145	7.9	89	5.9	-0.3

JUL.31.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	9.0	166	8.3	137	8.1	83	6.5	0.8
2	382	8.3	212	8.3	169	8.2	95	6.1	1.7
4	195	5.9	181	8.5	161	8.3	105	6.5	-1.0
6	202	6.9	170	7.6	144	7.6	85	5.5	-3.4
8	189	8.8	152	8.2	123	7.8	77	5.9	1.7
10	192	11.0	152	8.3	122	7.3	78	5.5	0.6
12	176	7.9	153	8.1	124	7.6	74	5.6	1.2
14	344	10.4	211	8.3	164	8.4	96	6.5	2.2
16	303	4.9	210	8.6	164	8.3	104	7.4	2.1
18									
20									
22									
MEAN	241	8.1	179	8.2	145	8.0	89	6.2	0.7

AUG. 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	196	10.3	172	9.3	141	9.1	80	6.5	-6.0
2	336	8.8	213	9.7	168	9.1	101	6.9	-4.6
4	260	7.0	168	8.6	137	8.6	81	6.6	-3.5
6	228	7.5	192	8.3	157	8.5	98	6.6	-3.4
8	208	8.4	152	7.9	124	7.8	74	5.9	0.5
10	162	5.9	138	7.5	118	7.3	74	5.7	-2.3
12	221	6.3	167	8.4	141	7.6	87	6.0	-0.3
14	211	9.6	173	7.9	150	7.8	94	6.3	-1.4
16	194	9.3	169	8.0	139	8.4	81	6.3	-3.1
18	187	7.9	162	8.4	129	8.1	80	6.2	-5.2
20	169	7.8	153	8.3	122	8.0	76	6.5	-4.1
22	189	4.3	140	7.6	113	8.0	71	6.3	-2.1
MEAN	213	7.8	167	8.3	137	8.2	83	6.3	-3.0

AUG. 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	190	8.2	157	8.1	122	7.8	74	6.6	-1.8
2	196	7.0	161	7.9	130	8.1	79	6.8	-4.4
4	176	8.9	161	8.7	126	8.5	73	6.3	-1.7
6	183	8.2	156	8.3	125	8.1	76	6.6	-0.9
8	341	7.1	167	7.4	129	8.3	78	6.3	0.7
10	184	8.6	141	8.0	118	7.3	76	5.9	2.6
12	168	11.9	148	9.1	130	8.0	85	6.2	2.2
14	173	7.5	143	9.1	119	8.2	76	6.8	-1.0
16	209	10.3	140	8.0	112	8.0	61	5.6	-2.0
18	136	8.8	123	7.7	103	8.0	66	6.8	-2.5
20	152	9.0	126	9.0	97	7.9	56	6.0	1.0
22	163	7.5	142	7.9	116	7.5	67	5.3	0.4
MEAN	189	8.6	147	8.3	119	8.0	72	6.3	-0.6

AUG. 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	203	8.7	169	7.7	135	7.6	77	5.4	2.2
2	229	6.9	140	9.3	104	7.9	60	5.2	1.0
4	204	7.4	150	8.6	117	8.1	67	5.4	4.7
6	196	8.3	174	8.3	134	8.5	78	6.0	4.3
8	218	6.3	170	7.3	135	7.4	76	5.6	5.5
10	175	8.1	145	6.3	118	6.8	69	5.1	0.7
12	280	2.4	173	6.8	137	6.6	78	5.2	1.1
14	218	11.9	178	9.6	140	8.3	82	6.1	1.7
16	247	8.6	184	9.3	145	8.0	86	5.9	5.7
18	296	8.1	227	10.8	174	9.4	96	6.4	4.4
20									
22	226	12.9	193	9.6	153	8.5	87	6.0	1.6
MEAN	227	8.1	173	8.5	136	7.9	78	5.7	3.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	4.1989 THETA (DEG)
0	230	14.4	185	8.0	147	8.0	88	6.6	2.0
2	361	13.1	237	10.6	186	9.1	108	6.9	1.0
4	347	8.6	252	10.1	204	9.9	118	7.6	-2.2
6	364	4.2	256	9.3	203	8.3	116	6.8	-3.4
8	222	16.1	186	11.4	153	8.0	94	6.7	-0.8
10	190	10.5	168	8.4	141	6.6	84	5.6	2.0
12	266	9.4	176	7.6	136	6.4	84	5.6	0.2
14	244	6.8	200	9.5	167	8.2	97	6.3	-1.2
16	265	12.3	226	10.9	182	8.6	106	6.5	1.5
18	380	3.1	255	8.9	199	8.8	116	6.4	-1.9
20	341	4.4	227	9.1	182	8.0	105	6.1	-1.1
22	241	13.7	198	9.8	165	8.1	99	6.1	-0.3
MEAN	288	9.7	214	9.5	172	8.2	101	6.4	-0.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	7.1989 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	5.1989 THETA (DEG)
0	249	5.3	192	7.9	161	7.5	103	6.1	0.8
2	249	8.2	207	9.4	171	7.9	103	6.1	-0.5
4	267	10.4	228	9.9	181	7.9	112	6.0	5.8
6	308	8.1	245	8.3	194	7.7	121	6.2	2.7
8	392	7.9	283	6.4	203	6.8	121	5.6	9.6
10	239	6.1	190	5.6	152	5.4	94	4.8	5.5
12	292	4.8	189	5.3	147	5.4	90	4.7	9.8
14	332	12.5	223	5.9	168	6.3	103	5.1	11.3
16	280	8.5	220	8.0	181	7.4	113	5.8	7.5
18	342	7.3	255	7.2	202	7.1	130	6.2	8.2
20	393	9.3	269	7.8	203	7.6	126	6.0	4.6
22	319	6.9	257	8.8	194	7.2	121	5.9	4.7
MEAN	305	7.9	230	7.5	180	7.0	111	5.7	5.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	8.1989 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	152	10.3	136	9.8	113	9.5	69	7.5	3.1
16									
18									
20	157	8.9	126	9.3	100	8.9	67	7.5	1.0
22	162	8.3	131	8.9	101	8.8	61	6.7	2.7
MEAN	157	9.2	131	9.3	105	9.1	66	7.2	2.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	6.1989 THETA (DEG)
0	357	7.1	224	7.5	171	6.5	100	5.2	2.9
2	311	6.3	224	8.2	181	7.0	112	5.6	10.1
4	336	8.6	260	8.8	208	9.0	131	6.8	7.5
6	343	11.4	282	8.8	226	8.5	142	6.8	9.8
8	335	13.5	250	6.6	198	7.3	122	5.8	10.7
10									
12									
14									
16									
18									
20									
22									
MEAN	336	9.4	248	8.0	197	7.7	121	6.0	8.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	AUG. TMEAM (SEC)	9.1989 THETA (DEG)
0	202	4.3	131	7.1	98	7.6	56	5.4	2.0
2	175	3.3	130	6.3	100	7.2	62	5.6	4.4
4	154	10.0	110	8.1	83	7.1	49	5.3	-1.2
6	156	8.3	108	8.2	85	8.0	52	5.7	-2.4
8	103	7.5	90	9.2	72	8.3	43	5.6	-0.8
10	77	6.4	70	8.9	61	8.3	36	5.9	4.4
12	90	7.4	76	9.3	58	8.8	33	6.0	7.4
14	103	9.0	89	9.1	68	8.6	39	6.5	4.2
16	98	9.0	83	9.5	70	9.1	45	7.3	2.2
18	103	9.6	86	8.3	66	8.3	39	6.3	2.0
20	97	8.2	79	8.5	63	8.5	38	6.3	-0.9
22	107	8.5	84	8.0	63	7.8	36	4.8	2.1
MEAN	122	7.6	95	8.4	74	8.1	44	5.9	1.9

AUG.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	85	6.6	76	8.3	60	8.2	37	5.9	2.5
2	94	10.3	79	8.8	59	7.6	35	5.3	1.1
4	95	8.8	76	8.8	62	8.9	39	6.2	0.6
6	96	7.6	74	9.2	56	8.8	32	5.7	2.6
8	72	9.8	62	8.7	50	8.8	29	5.9	4.1
10	88	7.1	77	8.1	63	8.9	38	6.6	0.5
12	94	12.1	73	9.5	55	9.3	34	6.9	3.9
14	72	12.2	62	10.8	47	8.3	27	4.9	3.8
16	91	12.1	71	10.1	56	9.0	32	5.8	0.9
18	89	9.8	66	9.8	49	9.0	30	5.6	-0.6
20	101	8.1	76	9.3	60	8.4	34	5.1	1.0
22	87	11.7	58	8.9	43	7.6	24	4.5	5.4
MEAN	89	9.7	71	9.2	55	8.6	33	5.7	2.1

AUG.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	80	8.1	60	8.7	42	6.5	25	3.6	9.2
2	81	11.9	65	8.3	50	6.5	31	4.3	21.7
4	76	12.5	62	9.5	46	7.9	27	4.9	22.1
6	86	8.1	69	9.8	52	8.9	30	5.6	9.4
8	75	8.4	60	9.7	44	8.5	26	5.3	8.2
10	84	9.3	74	10.3	61	9.2	35	6.3	4.5
12	103	7.1	77	8.9	52	7.3	30	4.6	4.0
14	90	10.5	63	9.3	47	7.8	27	4.8	2.7
16	79	12.8	63	10.7	46	9.0	27	5.9	5.7
18	84	11.3	63	11.2	48	9.6	28	6.3	4.2
20	84	7.8	60	9.6	45	8.8	25	5.3	1.0
22	77	17.1	60	11.7	45	10.1	25	5.9	5.3
MEAN	83	10.4	65	9.8	48	8.3	28	5.2	8.2

AUG.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	74	8.6	64	8.8	53	8.9	34	7.0	4.1
2	85	11.4	67	10.8	51	9.3	30	6.0	4.3
4	115	6.6	84	9.5	64	9.5	37	6.6	3.0
6	91	7.3	75	8.9	59	7.6	35	5.5	1.4
8	87	12.1	70	8.5	51	7.3	29	4.8	1.3
10	113	12.6	86	11.8	62	9.4	35	5.8	3.8
12	86	9.3	76	10.1	62	9.3	35	5.5	4.3
14	88	15.0	73	11.3	54	10.1	30	5.6	0.7
16	67	13.3	59	10.6	46	8.8	26	5.2	1.4
18	91	11.6	74	11.3	56	9.9	31	6.1	2.0
20	98	11.1	75	9.3	55	9.5	32	6.4	4.0
22	102	16.3	90	11.7	71	10.9	41	7.5	5.4
MEAN	91	11.3	74	10.2	57	9.2	33	6.0	3.0

AUG.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	9.8	84	10.9	67	10.9	42	7.4	1.0
2	100	11.8	82	9.9	69	9.8	41	6.9	2.4
4	108	8.3	80	8.9	61	8.8	37	6.0	2.5
6	81	8.7	74	9.3	60	8.1	36	5.6	1.0
8	135	6.6	98	8.4	77	9.2	44	6.3	3.0
10									
12	95	12.9	76	11.8	58	8.5	31	4.9	-1.3
14	113	10.6	83	10.5	61	7.8	34	4.8	-5.8
16	116	12.8	89	10.4	63	7.7	37	4.9	-16.6
18	90	11.6	79	10.8	63	9.8	38	6.1	-9.0
20	114	11.5	89	8.8	67	9.1	39	6.0	-5.7
22	97	7.8	83	9.4	67	9.3	40	6.1	-6.3
MEAN	105	10.2	83	9.9	65	9.0	38	5.9	-3.2

AUG.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	107	9.4	83	8.1	67	8.6	39	5.5	-3.8
2	113	9.2	101	9.9	86	9.5	56	7.4	-4.5
4	119	8.4	103	8.7	83	8.4	50	6.0	-2.5
6	154	6.6	114	9.7	86	8.8	49	6.0	-0.3
8	140	6.8	119	9.0	99	9.1	57	6.3	-1.3
10	147	14.3	115	8.1	83	8.2	46	5.4	-3.2
12	116	8.5	101	9.3	79	9.6	45	6.3	-3.2
14	126	12.3	101	10.0	78	9.0	43	5.6	-9.4
16	131	11.3	96	10.1	70	8.0	38	4.6	-16.5
18	164	7.9	105	9.1	76	8.7	43	5.4	-9.2
20	104	8.4	87	10.3	64	9.3	38	6.3	-3.9
22	133	12.2	91	12.0	69	10.0	42	6.9	-1.5
MEAN	130	9.6	101	9.5	78	8.9	46	6.0	-4.9

AUG.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	115	6.4	99	8.7	78	8.0	46	5.9	-2.7
2	138	7.6	107	9.5	80	8.2	46	5.2	1.6
4	170	10.8	134	8.1	102	8.1	60	5.9	-0.3
6	164	7.3	118	8.1	95	8.0	55	5.2	3.9
8	284	6.9	165	8.1	118	7.9	61	5.0	4.8
10									
12	213	8.9	170	10.8	128	8.7	73	6.0	6.9
14	284	15.6	229	10.9	180	9.3	104	6.6	5.6
16	282	11.8	243	11.1	193	8.8	111	6.4	7.4
18	353	5.4	246	11.8	191	9.5	112	7.4	2.0
20	361	12.5	247	11.6	203	9.5	118	7.4	2.6
22	364	6.3	304	11.1	232	10.0	131	7.6	3.3
MEAN	248	9.0	187	10.0	145	8.7	83	6.2	3.2

AUG.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	367	10.0	265	13.5	210	10.8	125	8.1	0.5
2	289	13.9	233	9.0	201	8.3	118	7.1	0.5
4	320	12.7	258	11.0	199	8.5	118	6.9	2.6
6	255	11.8	220	10.9	184	8.9	110	6.9	2.0
8	236	2.9	185	7.2	151	7.1	91	5.9	5.3
10	193	10.3	169	11.9	141	7.9	88	6.2	4.3
12	279	10.8	200	6.5	168	7.4	106	6.6	10.2
14	294	6.4	240	11.0	200	10.6	122	7.5	2.7
16	312	10.0	261	9.7	216	9.7	137	7.8	3.7
18	343	10.0	273	11.6	207	9.7	133	7.8	5.0
20	404	10.0	251	10.6	199	8.8	122	6.9	6.0
22	290	4.1	248	7.4	203	7.5	121	6.3	5.3
MEAN	299	9.4	234	10.0	190	8.8	116	7.0	4.0

AUG.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	353	14.3	264	11.3	214	10.4	125	7.5	0.9
2	366	9.7	298	8.5	224	8.4	129	6.7	9.8
4	316	5.8	244	10.2	193	8.5	114	6.9	2.1
6	299	11.1	236	10.6	191	8.0	107	6.6	0.3
8	248	10.6	211	7.8	169	7.6	101	6.6	3.4
10	298	10.5	210	12.6	162	8.9	97	6.6	4.2
12	230	7.8	193	7.9	158	7.7	96	6.1	3.5
14	342	6.4	254	10.4	195	8.5	123	6.9	3.7
16	321	11.1	264	9.4	218	7.9	124	6.4	2.1
18	264	12.9	239	11.3	198	8.9	119	7.2	0.5
20	359	16.8	233	12.3	189	8.8	114	6.8	1.8
22	295	8.9	234	8.0	191	7.1	120	6.3	5.5
MEAN	308	10.5	240	10.0	192	8.4	114	6.7	3.1

AUG.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	380	13.4	249	8.5	202	7.7	122	6.6	4.6
2	282	11.9	240	11.3	196	9.8	118	7.0	6.3
4	293	8.8	234	7.7	187	8.5	113	6.9	7.3
6	223	13.3	191	9.4	161	9.0	100	7.2	6.9
8	214	4.4	180	6.5	145	7.8	90	6.0	12.4
10	210	2.6	179	7.5	153	7.2	97	5.1	9.4
12	205	5.6	173	5.8	146	6.9	95	5.6	5.1
14	211	9.5	171	8.7	140	8.7	86	6.4	2.7
16	212	8.8	180	8.4	147	8.8	83	6.6	9.1
18	218	7.4	175	8.3	142	8.9	81	6.7	9.0
20	273	4.0	190	7.6	140	8.3	78	5.9	13.9
22	200	3.9	174	7.4	145	8.3	97	6.8	16.5
MEAN	243	7.8	195	8.1	159	8.3	97	6.4	8.6

AUG.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	333	6.0	223	6.6	165	7.8	97	6.2	13.5
2	261	4.7	169	7.8	128	8.3	77	6.6	15.6
4	169	8.1	155	8.2	134	8.6	86	6.7	12.6
6	206	8.4	154	8.3	115	7.9	66	5.4	12.2
8									
10									
12									
14									
16									
18	328	5.1	151	7.1	105	6.5	61	4.3	23.3
20	281	9.3	148	7.6	110	7.1	67	4.8	27.9
22	310	5.0	167	6.3	119	6.3	72	4.6	26.4
MEAN	270	6.7	167	7.4	125	7.5	75	5.5	18.8

AUG.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	441	1.9	170	6.6	125	6.4	77	4.9	24.2
2	212	3.8	141	5.6	108	6.1	64	4.3	21.1
4	231	6.1	135	7.6	102	6.9	61	4.7	23.6
6	200	6.2	130	7.6	96	7.3	58	4.8	26.2
8									
10	268	6.7	146	6.5	105	6.6	59	4.4	19.7
12	180	3.0	130	7.4	97	6.9	56	4.6	18.5
14	124	7.2	106	7.6	81	7.4	46	4.8	15.6
16	101	7.8	91	8.6	75	8.0	46	5.6	18.0
18	109	9.7	75	10.0	59	8.3	35	5.4	16.6
20	98	6.9	81	8.4	64	8.2	39	6.1	13.3
22	103	9.8	82	8.8	66	7.9	40	5.7	12.7
MEAN	188	6.3	117	7.7	89	7.3	53	5.0	19.0

AUG.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	8.4	97	8.8	77	8.1	46	6.1	9.1
2	144	7.2	101	8.3	77	8.1	49	6.6	7.7
4	112	11.3	89	9.2	72	8.9	46	6.7	8.1
6	86	7.9	73	8.4	59	8.4	35	5.8	3.6
8	97	7.6	81	7.8	64	8.5	38	6.3	7.2
10	110	5.8	82	7.9	64	8.5	38	5.9	7.4
12	104	7.9	72	8.3	57	8.4	33	5.7	2.2
14	96	8.0	79	10.3	62	9.0	36	5.6	4.2
16	95	9.3	71	9.4	51	7.3	29	4.3	-11.6
18	84	11.0	64	8.7	49	7.3	28	4.3	-10.7
20	99	8.8	78	10.9	58	9.6	32	6.1	-0.8
22	121	7.6	72	8.2	55	8.0	30	5.1	1.6
MEAN	105	8.4	80	8.8	62	8.3	37	5.7	2.3

AUG.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	91	9.7	72	7.9	58	8.3	34	5.8	8.5
2	104	8.5	83	8.9	69	8.5	42	6.1	7.2
4	66	7.1	54	8.4	43	7.4	25	4.8	-1.6
6	83	6.6	67	9.7	51	8.8	30	5.6	-4.3
8	80	12.0	62	8.8	47	8.3	28	5.4	-3.2
10	76	10.9	60	9.3	44	8.5	25	5.1	-0.4
12	73	8.8	61	8.8	48	7.5	27	4.4	-10.0
14	78	8.3	62	8.1	47	6.4	28	3.8	-20.0
16	85	10.0	70	8.3	55	6.5	33	4.0	-22.1
18	71	9.2	59	8.3	45	7.4	27	4.6	-9.1
20	75	6.4	60	7.8	47	6.8	27	4.8	-7.3
22	81	8.0	63	8.8	48	8.0	29	5.5	-2.6
MEAN	80	8.8	64	8.6	50	7.7	30	5.0	-5.4

AUG.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	80	10.3	64	8.8	49	7.3	28	4.9	1.3
2	94	8.3	68	8.8	53	7.7	32	5.3	0.0
4	76	9.4	59	8.1	48	7.0	32	4.9	-6.5
6	73	6.5	59	7.7	47	7.2	29	4.8	-6.1
8	75	10.0	58	9.5	45	8.1	28	5.4	-8.9
10	87	12.1	61	9.9	46	8.1	26	4.8	-2.7
12	84	8.5	70	8.0	54	7.4	29	4.4	1.3
14	85	7.8	66	8.8	52	7.4	28	4.6	-7.7
16	99	7.8	78	8.3	53	6.6	30	3.9	-22.1
18	115	10.4	87	9.1	66	8.6	38	5.3	-10.2
20	98	7.8	80	8.7	64	8.6	38	5.7	-7.3
22	73	6.8	67	8.9	58	8.6	36	6.4	-0.1
MEAN	87	8.8	68	8.7	53	7.7	31	5.0	-5.7

AUG.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	91	7.9	78	8.4	64	8.4	40	6.6	1.7
2	83	7.8	75	7.8	60	7.9	37	5.6	-0.7
4	132	7.5	89	8.3	68	7.8	40	5.7	1.8
6	119	7.4	100	8.5	81	8.3	46	5.8	4.2
8	133	8.4	105	8.6	82	8.7	48	6.3	0.2
10	119	9.5	98	8.7	80	8.8	50	6.8	2.1
12	152	10.3	110	8.5	87	8.4	51	6.5	1.2
14	174	4.4	113	7.9	84	7.9	48	4.8	16.6
16	126	7.3	104	7.9	82	7.3	50	4.7	29.1
18	122	6.9	96	7.3	75	5.8	46	3.8	28.4
20	247	5.7	138	7.6	95	6.8	54	4.2	32.4
22	223	7.5	120	7.2	86	6.1	53	4.3	27.0
MEAN	143	7.5	102	8.1	79	7.7	47	5.4	12.0

AUG.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	302	5.3	151	7.3	97	6.1	56	4.0	24.6
2	273	1.7	154	6.5	110	5.8	67	4.3	20.9
4	220	5.0	146	5.8	111	5.3	70	4.3	21.9
6	255	3.4	148	5.0	106	5.3	63	3.8	28.0
8	226	4.2	139	6.1	103	5.6	63	4.1	22.2
10	205	4.1	132	5.6	101	5.7	61	3.9	18.7
12	208	4.5	148	5.6	109	5.6	67	4.3	21.0
14	282	4.6	148	6.4	108	6.3	65	4.3	18.2
16	270	4.1	138	6.1	97	5.7	59	4.1	24.6
18									
20									
22									
MEAN	249	4.1	145	6.0	105	5.7	63	4.1	22.2

AUG.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	158	6.4	118	6.8	93	5.8	56	4.3	5.4
4	255	5.1	131	6.4	99	6.0	60	4.3	10.2
6	279	6.2	198	5.1	130	5.8	76	4.5	4.9
8	194	4.6	130	7.0	102	6.6	64	4.8	3.4
10									
12	125	6.8	104	7.7	83	7.0	50	4.6	3.9
14	143	8.1	113	7.9	91	6.8	56	4.8	1.4
16	137	6.4	106	7.1	82	6.4	49	4.5	2.4
18									
20	146	8.3	105	7.6	85	6.9	51	4.7	1.2
22	178	3.4	107	7.0	83	6.9	51	5.1	6.9
MEAN	179	6.1	124	7.0	94	6.5	57	4.6	4.4

AUG.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	148	6.3	117	7.2	95	6.6	61	5.1	-1.6
4	184	9.0	145	8.0	111	7.3	68	5.4	6.7
6	173	7.4	154	7.1	125	6.9	74	5.1	2.9
8	199	7.6	162	7.3	128	6.5	81	4.9	-3.4
10	184	7.4	160	7.0	132	6.6	87	5.3	-2.5
12	222	6.1	189	6.9	153	7.0	94	5.3	-6.3
14	273	7.8	197	7.9	157	7.4	96	5.3	-6.5
16									
18									
20									
22									
MEAN	198	7.4	161	7.3	129	6.9	80	5.2	-1.5

AUG.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	154	8.9	136	7.9	110	7.6	68	5.9	-2.6
16	146	9.0	126	8.1	105	7.5	66	5.3	-3.3
18	231	6.7	135	8.4	103	8.2	63	5.7	-2.6
20	160	7.8	123	7.9	99	8.4	59	5.6	-2.5
22	151	6.1	126	8.0	103	8.0	63	6.1	0.9
MEAN	168	7.7	129	8.1	104	7.9	64	5.7	-2.0

AUG.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	129	7.9	104	8.3	84	8.1	53	6.7	1.4
2	106	6.3	89	8.3	67	8.6	40	6.0	2.0
4	98	9.3	84	9.1	70	8.3	45	6.5	6.6
6	144	9.1	122	9.1	92	8.9	57	7.1	6.2
8	129	7.4	115	7.9	93	8.3	55	5.8	7.6
10	152	7.6	127	8.1	100	8.4	60	5.6	10.2
12	189	4.3	135	8.3	104	7.7	62	5.5	3.9
14	114	8.4	106	8.1	89	8.6	54	6.3	6.2
16	136	8.8	105	8.4	83	8.2	50	6.2	8.4
18	132	8.1	103	9.4	82	8.8	49	6.6	7.4
20	149	8.9	106	9.2	87	8.8	53	6.5	4.5
22	135	7.5	107	8.8	84	8.5	49	6.4	6.7
MEAN	134	7.8	109	8.6	86	8.4	52	6.3	5.9

AUG.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	7.6	99	9.1	78	8.6	48	6.4	4.3
2	133	10.1	105	8.9	88	8.9	55	7.3	7.6
4	234	8.3	118	8.7	88	8.6	53	7.1	9.5
6	135	8.9	111	8.3	86	8.1	51	6.3	8.4
8	130	7.9	107	7.8	87	8.1	50	5.9	11.3
10	140	7.1	106	8.1	80	8.0	46	5.5	14.1
12	116	7.8	102	8.2	80	8.1	46	5.6	7.0
14	134	8.3	83	8.6	62	7.8	36	4.8	-5.3
16	97	8.7	85	8.3	68	8.1	37	4.8	-8.2
18	124	11.4	100	8.7	75	8.1	43	5.3	-6.4
20	97	10.3	88	9.0	68	8.3	38	5.1	-0.9
22	152	7.0	111	9.0	78	8.5	44	6.1	3.2
MEAN	135	8.6	101	8.6	78	8.3	46	5.8	3.7

AUG.31.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	139	10.0	108	8.2	83	8.7	46	6.1	3.5
2	120	10.6	100	9.0	75	8.7	45	5.9	0.3
4	132	7.8	92	8.0	71	7.5	41	4.9	-6.9
6	124	7.6	100	8.3	79	7.8	50	5.6	-9.0
8	161	4.5	119	7.5	93	7.4	58	5.6	3.0
10	189	4.0	124	7.0	97	6.8	59	4.9	-4.1
12	148	6.6	97	7.7	79	7.1	49	4.9	-7.3
14	128	8.5	105	8.8	82	8.5	49	6.1	-5.6
16	91	9.3	81	8.6	64	8.4	36	5.9	-4.9
18	96	7.9	82	8.3	69	8.9	41	6.8	2.5
20	107	9.1	85	8.2	70	8.3	44	6.3	1.7
22	133	8.3	105	7.9	83	8.0	48	5.7	0.4
MEAN	131	7.8	100	8.1	79	8.0	47	5.7	-2.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 1.1989 TMEAM (SEC)	THETA (DEG)
0	120	7.8	89	8.5	71	7.6	43	5.6	-3.9
2	106	7.8	83	7.8	68	8.6	42	6.0	-2.8
4	91	9.0	63	8.5	49	7.1	28	4.6	-2.1
6	88	6.8	70	9.7	57	8.3	36	5.6	-0.7
8	85	10.0	68	8.3	52	7.3	31	4.8	-4.9
10	97	11.0	73	7.6	59	7.4	36	5.0	-1.8
12	111	6.9	76	8.3	61	8.0	36	5.8	1.1
14	87	10.0	76	9.9	60	9.1	36	6.5	1.1
16	78	11.6	68	10.0	52	8.7	29	5.6	3.1
18	78	10.8	70	10.1	54	9.4	31	6.3	4.3
20	87	11.4	70	10.2	55	9.4	33	6.4	5.0
22	104	9.8	74	8.6	58	8.5	32	5.6	5.3
MEAN	94	9.4	73	9.0	58	8.3	34	5.6	0.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 4.1989 TMEAM (SEC)	THETA (DEG)
0	98	7.6	84	7.4	69	7.3	43	5.4	-7.0
2	131	6.9	92	7.6	68	6.8	41	4.8	-7.2
4	105	9.3	86	7.8	71	7.3	43	5.1	-10.5
6	108	7.2	95	7.8	77	7.6	46	5.1	-9.9
8	130	7.0	95	7.6	75	7.5	45	5.5	-5.9
10									
12	117	7.8	82	6.7	64	7.1	37	4.8	-2.5
14	95	7.9	82	7.7	66	7.3	40	5.3	-5.3
16	112	8.2	90	7.5	67	7.6	40	5.4	-6.6
18	107	8.7	88	7.8	70	7.3	43	5.1	-8.0
20	104	7.8	87	7.9	69	7.6	42	5.3	-3.6
22	108	5.4	84	7.0	64	7.4	38	5.3	-1.5
MEAN	110	7.6	88	7.5	69	7.3	42	5.2	-6.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 2.1989 TMEAM (SEC)	THETA (DEG)
0	84	8.8	63	8.6	50	8.3	29	5.6	1.6
2	95	11.4	71	10.1	55	10.1	35	7.1	1.8
4	63	7.8	50	9.0	40	8.6	25	5.7	-4.2
6	66	6.3	59	8.5	48	7.9	29	5.1	-8.7
8	83	6.3	67	7.6	57	6.6	36	4.9	-12.6
10	96	9.8	68	8.9	54	7.4	31	4.8	-3.8
12	79	6.9	68	7.8	54	6.9	32	4.9	-5.6
14	76	10.5	62	8.3	50	8.7	30	5.5	-6.9
16	101	7.7	74	8.6	52	8.8	28	5.1	-3.7
18	86	7.7	63	8.7	50	8.4	30	5.8	-0.4
20	94	9.0	69	9.2	54	8.8	32	5.8	-1.2
22	99	6.9	76	7.4	60	7.8	38	5.8	-0.6
MEAN	85	8.3	66	8.6	52	8.2	31	5.5	-3.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 5.1989 TMEAM (SEC)	THETA (DEG)
0	111	6.6	93	7.4	75	7.2	47	5.6	-0.4
2	122	6.7	105	7.3	89	7.6	57	6.2	-2.5
4	116	7.6	98	7.9	86	7.8	59	6.2	-5.4
6	120	7.6	105	7.9	89	7.3	56	5.6	-6.6
8	119	5.7	100	7.8	82	7.5	48	5.4	-4.5
10	141	8.8	115	8.3	93	8.0	57	6.3	-2.2
12	126	7.6	108	7.4	86	7.6	51	5.8	-0.4
14	127	7.6	116	7.5	93	8.2	53	6.0	0.7
16	144	8.3	124	8.3	101	8.1	62	6.3	-1.6
18	131	7.3	110	7.3	91	7.5	54	5.6	-0.1
20	139	7.1	122	8.4	102	8.1	64	6.4	-0.1
22	176	11.0	155	8.6	126	8.6	78	6.7	-0.8
MEAN	131	7.7	113	7.8	93	7.8	57	6.0	-2.0

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 3.1989 TMEAM (SEC)	THETA (DEG)
0	103	11.3	75	8.8	56	8.0	34	5.4	0.5
2	93	7.1	71	8.3	51	8.0	30	5.2	-4.8
4	80	13.1	66	10.4	49	8.5	28	4.9	-13.5
6	65	9.3	58	9.3	46	8.8	27	5.3	-9.7
8	80	11.2	64	9.4	47	7.9	27	4.9	-4.6
10	80	9.2	65	8.2	46	7.0	26	4.3	-7.6
12	68	7.0	56	6.5	43	5.8	26	3.8	-11.1
14	98	7.2	66	6.3	53	5.5	31	3.7	-19.3
16	93	6.1	79	7.8	61	6.9	38	4.8	-19.5
18	97	7.6	76	7.8	58	6.8	33	4.3	-17.2
20	85	9.2	73	7.6	60	7.3	37	5.2	-7.9
22	125	7.3	86	7.3	68	6.4	42	4.4	-8.6
MEAN	89	8.8	70	8.1	53	7.2	32	4.7	-10.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	SEP. 6.1989 TMEAM (SEC)	THETA (DEG)
0	145	7.4	129	7.6	112	7.6	72	5.9	1.6
2	160	7.7	137	8.4	115	7.8	68	5.8	2.3
4	160	6.3	134	7.6	109	7.6	66	6.1	-0.9
6	158	7.1	115	7.9	89	7.6	54	5.9	-5.2
8	145	9.4	120	8.3	96	8.3	59	6.1	-2.9
10	138	7.6	111	7.8	84	7.9	51	5.5	-3.6
12	152	7.6	119	7.5	92	7.3	60	6.1	-1.2
14	138	9.2	122	8.2	98	7.6	57	5.6	-1.7
16	138	8.8	119	8.4	89	7.6	51	5.1	-5.0
18	125	8.8	111	8.2	90	8.2	55	6.0	-5.4
20	122	9.1	114	7.8	92	7.8	56	6.1	-3.7
22	129	7.1	120	8.4	102	8.4	67	6.6	-2.7
MEAN	143	8.0	121	8.0	97	7.8	60	5.9	-2.4

SEP. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	154	8.4	141	8.1	116	8.2	72	6.4	-0.1
2	139	7.9	121	7.8	99	7.9	62	6.1	-1.9
4	165	7.2	137	8.5	116	8.5	70	6.4	-0.2
6	147	7.6	121	7.4	97	8.3	65	6.4	-2.7
8	201	7.9	137	8.6	95	8.3	54	5.6	-0.5
10	194	7.2	136	8.4	109	7.8	64	5.1	5.6
12	174	7.3	145	7.8	120	7.8	71	5.1	6.7
14	252	4.3	185	7.4	138	7.8	83	5.4	6.6
16	302	7.3	170	7.8	124	7.1	77	5.2	14.6
18	213	7.0	162	8.7	130	7.9	80	5.5	8.5
20	266	6.6	190	8.5	150	8.4	86	6.2	7.5
22	369	6.3	214	7.1	155	7.3	87	5.2	14.9
MEAN	215	7.1	155	8.0	121	7.9	73	5.7	4.9

SEP.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	168	6.6	121	8.1	90	8.6	51	6.4	0.3
2									
4	121	7.3	111	8.0	92	8.4	56	6.4	0.2
6	137	9.1	118	8.2	100	8.4	60	6.1	0.1
8	121	8.0	109	8.3	91	8.4	57	6.6	-2.4
10	136	6.8	111	8.3	93	8.1	53	6.2	-1.8
12	137	10.4	114	8.8	89	8.5	55	6.8	-3.1
14	109	8.6	88	8.3	70	7.6	41	5.1	-10.3
16	126	8.6	103	8.1	78	7.5	45	4.7	-21.0
18	171	8.0	122	8.3	97	7.7	54	5.0	-13.1
20	117	9.1	108	8.7	90	8.5	57	6.4	-5.4
22	124	8.3	102	8.0	81	8.6	47	6.6	-2.6
MEAN	133	8.3	110	8.3	88	8.2	52	6.0	-5.4

SEP. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	222	7.1	173	6.7	136	7.0	82	5.0	9.9
2	175	10.8	149	8.3	124	7.6	73	5.1	8.4
4	190	4.1	149	8.1	125	7.9	78	5.8	6.8
6	216	9.5	167	7.9	135	7.8	79	5.6	4.8
8	214	11.7	171	9.0	144	8.9	88	6.4	1.7
10	167	9.0	144	7.9	122	8.0	73	5.8	2.8
12	176	9.1	155	8.9	128	9.0	77	6.1	3.8
14	278	9.8	182	8.3	149	8.3	86	6.2	-1.4
16	196	8.2	165	8.8	130	8.6	77	6.4	0.3
18	168	11.1	144	8.4	114	8.1	67	5.8	5.3
20	219	7.0	157	8.6	123	8.4	73	6.0	5.1
22									
MEAN	202	8.9	160	8.3	130	8.1	78	5.8	4.3

SEP.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	119	8.8	111	8.5	93	8.5	56	7.1	-0.4
2	148	10.1	119	9.3	98	9.0	59	7.1	1.6
4	143	9.3	130	8.1	110	8.5	71	7.1	-0.9
6	170	6.9	125	8.4	99	8.3	61	6.5	1.1
8	126	9.6	113	7.9	91	8.2	52	5.8	-1.3
10	165	10.4	141	9.5	110	8.6	59	6.0	1.3
12	167	8.7	149	10.3	124	9.0	70	7.3	-0.7
14	241	10.6	190	10.0	143	9.5	85	7.4	0.8
16	224	14.0	187	9.4	148	9.8	81	7.3	1.0
18	248	14.3	214	10.5	177	9.1	104	7.4	-4.2
20	295	12.0	226	10.8	177	9.8	98	7.1	-3.1
22	258	15.0	224	10.2	182	8.3	105	6.9	-1.0
MEAN	192	10.8	161	9.4	129	8.9	75	6.9	-0.5

SEP. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	150	9.6	133	8.8	105	8.6	61	6.1	-6.1
20	174	9.5	153	9.1	118	8.9	67	6.6	-4.2
22	175	8.4	148	8.5	117	8.9	70	6.9	-0.7
MEAN	166	9.2	145	8.8	113	8.8	66	6.5	-3.7

SEP.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	282	8.5	243	11.4	203	9.5	116	6.9	1.5
2	303	6.1	255	8.0	202	8.2	121	7.3	2.1
4	226	13.8	198	10.9	166	8.8	99	6.7	-1.6
6	253	11.3	188	8.6	150	6.6	88	5.5	0.5
8	203	13.3	164	9.2	135	7.1	84	5.8	1.3
10	208	6.8	176	8.2	137	7.1	83	5.5	1.2
12	233	3.2	182	7.9	154	7.2	90	6.1	-0.8
14	233	9.4	200	9.9	164	8.4	95	6.7	1.5
16	316	5.6	235	9.7	189	8.5	111	7.2	3.3
18	327	8.4	219	8.2	180	7.7	102	6.8	2.7
20	222	6.0	183	8.1	156	7.6	93	6.5	4.8
22	226	10.3	201	8.4	164	7.3	94	6.2	0.8
MEAN	253	8.6	204	9.0	167	7.8	98	6.4	1.4

SEP.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	236	10.7	209	8.1	180	8.2	107	7.1	7.9
2	249	7.4	210	9.6	167	8.9	91	6.8	4.1
4	197	9.9	172	6.8	143	8.1	82	6.7	3.1
6	155	10.8	134	7.8	115	7.1	71	5.6	6.5
8	186	5.4	142	7.4	114	6.4	70	5.4	8.2
10	174	9.3	147	6.1	119	6.1	72	5.5	6.0
12	182	13.4	159	8.1	127	7.9	71	5.9	-9.4
14	213	6.3	168	7.8	125	8.1	70	6.1	5.2
16	274	6.8	161	7.8	124	8.6	68	5.7	11.8
18	160	9.5	127	8.5	97	7.9	56	5.3	11.4
20	158	10.5	128	7.8	105	7.9	61	5.6	12.5
22	137	6.8	118	8.1	95	7.8	54	5.5	7.6
MEAN	193	8.9	156	7.8	126	7.7	73	5.9	7.8

SEP.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	143	6.9	121	8.8	92	8.5	52	6.0	10.7
2	147	9.3	125	8.9	98	9.1	54	6.6	8.7
4	139	10.9	106	8.9	81	8.6	44	5.9	8.2
6	269	5.3	123	7.9	83	7.4	45	4.6	9.4
8	148	6.7	113	7.6	88	7.7	49	5.1	6.6
10	202	6.4	110	7.1	77	6.4	43	4.2	11.8
12	133	10.5	108	7.8	84	7.8	46	4.8	5.5
14	111	11.3	93	8.9	72	8.3	41	5.0	11.4
16	126	9.9	93	8.4	71	7.9	39	4.5	12.7
18									
20	122	7.0	98	8.0	72	7.2	40	4.4	8.9
22	150	7.2	87	7.9	65	6.9	40	4.4	11.9
MEAN	154	8.3	107	8.2	80	7.8	45	5.0	9.6

SEP.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	103	10.3	79	7.9	60	6.8	35	4.0	13.8
2	84	5.7	68	8.6	55	7.8	32	4.9	12.4
4	80	10.5	69	8.3	58	8.5	34	5.8	4.3
6	71	8.3	64	8.5	50	8.0	31	6.1	7.8
8	86	11.9	77	8.6	60	8.0	36	5.6	2.3
10	89	9.1	72	7.4	57	7.4	35	5.5	0.9
12	96	6.5	70	7.9	53	7.1	29	4.3	-0.9
14	97	9.0	75	9.3	57	8.3	31	5.1	0.4
16	78	10.9	63	8.8	46	7.3	26	4.3	-7.1
18	96	8.8	68	8.1	53	7.8	30	5.1	-0.3
20	72	7.0	54	8.6	45	7.0	26	4.3	0.4
22	105	6.8	73	7.7	56	7.3	32	4.6	0.5
MEAN	88	8.7	69	8.3	54	7.6	31	5.0	2.9

SEP.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	77	7.8	64	7.5	51	7.4	29	4.8	-0.9
2	83	8.4	68	8.7	52	8.0	31	5.2	0.1
4	73	7.8	59	8.3	48	8.1	29	5.9	1.6
6	181	7.0	62	7.2	45	5.8	27	3.7	3.0
8	295	3.3	136	3.3	90	3.6	54	3.1	27.3
10	195	4.1	148	4.3	116	4.5	75	3.9	32.3
12	216	4.2	161	4.4	122	4.8	77	4.1	27.9
14									
16									
18	216	4.1	119	5.6	87	5.1	53	3.8	26.2
20	191	5.7	120	5.6	89	5.5	54	4.1	23.4
22	104	6.1	87	5.6	72	6.1	45	4.6	19.8
MEAN	163	5.8	102	6.0	77	5.9	47	4.3	16.1

SEP.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	114	5.9	91	6.3	73	6.1	45	4.8	15.5
2	94	8.6	81	7.6	63	7.1	40	5.5	13.0
4	80	10.6	68	7.5	53	6.9	33	4.8	8.3
6	99	6.1	78	8.0	59	6.4	34	4.1	12.6
8	177	4.3	95	5.6	68	4.8	41	3.4	19.4
10	251	3.9	98	6.2	70	5.1	43	3.5	34.1
12	150	4.6	83	6.6	61	5.4	36	3.5	18.8
14	93	6.7	79	7.4	61	6.8	36	4.3	6.8
16	94	7.9	71	8.1	53	6.6	31	4.4	-1.7
18	80	7.3	63	7.1	50	6.9	31	4.8	-0.3
20	91	10.0	73	7.9	56	7.3	34	5.1	2.4
22	89	10.3	74	8.3	56	7.1	36	5.4	5.3
MEAN	118	7.2	80	7.2	60	6.4	37	4.5	11.2

SEP.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	81	8.0	70	7.8	57	6.9	35	5.3	5.3
2	95	6.3	75	7.7	63	7.5	38	5.3	-3.5
4	89	8.9	74	8.8	60	8.0	36	5.8	1.1
6	109	8.1	81	8.1	61	7.3	38	5.8	1.1
8	81	10.4	69	8.0	57	8.1	34	5.9	3.0
10	97	6.1	78	7.3	62	7.9	38	5.7	-1.1
12	98	12.9	79	8.2	64	7.9	38	5.8	0.0
14	89	6.4	79	9.2	65	8.3	40	6.0	-1.4
16	90	12.8	75	9.1	58	8.4	35	5.8	-1.7
18	107	6.8	72	9.0	55	8.4	34	6.1	-2.0
20	75	6.1	61	8.3	49	8.3	28	5.4	-1.1
22	109	6.4	79	7.9	63	7.1	38	5.1	1.8
MEAN	93	8.3	74	8.3	60	7.8	36	5.7	0.1

SEP.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	101	8.9	82	6.6	64	6.7	38	5.1	9.1
2	102	6.5	77	8.3	60	7.4	35	4.5	3.0
4	180	4.3	113	5.1	77	4.4	47	3.2	26.0
6	332	2.8	169	5.1	111	4.9	68	3.8	25.7
8	299	3.2	137	4.9	98	4.8	60	3.7	27.7
10	273	4.1	142	4.4	96	4.6	58	3.6	29.1
12									
14	285	3.0	152	5.3	111	5.3	69	4.0	23.5
16	260	4.4	136	5.2	98	5.3	58	3.8	24.7
18	323	4.9	129	5.1	92	4.8	53	3.4	33.7
20	300	6.1	152	5.1	98	4.6	55	3.4	24.8
22	194	4.3	157	3.7	111	4.3	67	3.5	26.1
MEAN	241	4.8	131	5.3	92	5.2	55	3.8	23.0

SEP.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	181	2.3	124	4.5	98	4.8	61	3.8	25.4
2	200	5.8	134	4.9	108	5.0	70	4.0	26.2
4									
6	355	7.1	185	5.5	140	5.4	87	4.3	24.2
8									
10	151	6.4	134	6.8	111	6.9	70	5.0	15.2
12	247	5.0	180	6.8	140	7.4	83	5.6	17.3
14	211	7.6	167	7.5	133	7.4	78	5.4	11.0
16	158	7.8	131	7.1	107	7.2	64	5.6	11.8
18	142	7.0	109	7.4	85	7.3	52	5.4	18.1
20	111	8.3	93	7.6	73	7.4	46	5.1	17.3
22	115	6.7	97	6.9	80	7.2	49	5.3	17.1
MEAN	187	6.4	135	6.5	108	6.6	66	4.9	18.4

SEP.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	132	10.3	102	7.5	82	7.6	50	5.4	17.4
2	141	6.3	125	7.1	109	7.3	69	5.6	18.0
4	149	6.8	126	6.9	104	6.8	65	4.9	16.9
6	162	5.6	133	7.1	107	6.5	67	5.1	18.8
8	136	8.0	112	6.6	88	6.2	52	4.1	20.9
10	151	10.9	105	8.4	81	7.4	47	4.7	13.6
12	165	7.5	114	7.4	86	7.0	51	4.6	15.9
14	120	10.7	102	7.9	76	7.0	46	5.0	12.3
16	129	8.1	104	7.8	82	8.1	49	5.7	12.8
18	105	9.9	82	8.0	65	7.1	40	4.9	10.8
20	94	9.7	80	8.3	64	7.1	37	4.4	10.1
22	96	6.6	80	7.4	65	7.8	40	5.2	5.4
MEAN	132	8.4	105	7.5	84	7.2	51	5.0	14.4

SEP.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	5.9	90	7.3	74	6.8	42	4.8	1.4
2	121	6.0	89	6.2	71	5.9	44	4.1	-3.2
4	147	3.4	99	5.3	75	4.9	47	3.6	6.1
6	150	3.6	86	4.6	68	4.4	44	3.3	7.0
8	132	4.4	105	4.8	87	4.6	57	3.7	-0.7
10	212	3.2	140	6.0	111	5.6	70	4.3	-8.0
12	277	4.8	176	4.9	127	5.5	78	4.3	15.1
14	344	7.6	209	6.3	145	6.1	88	4.7	19.1
16	262	4.5	164	6.1	124	6.1	75	4.7	17.0
18	162	6.3	137	6.2	110	6.1	70	4.8	11.0
20	142	7.5	106	6.6	87	6.3	54	4.6	10.6
22	123	6.3	102	6.1	81	6.3	51	5.2	7.3
MEAN	183	5.3	125	5.9	97	5.7	60	4.3	6.9

SEP.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	116	7.7	101	6.8	79	6.4	49	5.1	4.6
2	133	5.4	111	6.6	89	6.3	57	5.2	4.9
4	132	6.6	105	7.9	79	6.9	49	5.6	5.4
6	103	8.1	81	6.8	65	6.7	41	4.9	0.5
8	177	7.8	101	7.3	80	6.6	48	4.4	5.4
10	185	6.2	101	6.9	74	6.3	44	4.1	21.3
12	208	7.3	141	5.3	106	5.1	64	3.8	26.3
14	243	7.6	165	5.1	124	5.3	76	4.1	28.0
16	263	5.0	196	5.3	144	5.4	89	4.3	28.8
18	275	6.9	200	5.6	149	5.6	93	4.6	29.8
20	286	5.8	233	5.5	166	6.0	98	4.6	29.2
22	273	7.8	222	6.1	168	6.2	104	5.1	28.2
MEAN	200	6.8	146	6.3	110	6.1	68	4.6	17.7

SEP.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	262	6.8	232	5.9	177	5.8	109	4.9	29.0
2	245	3.9	200	4.6	149	5.4	89	4.3	26.4
4	243	8.8	187	6.1	146	6.0	96	5.0	22.6
6	246	6.3	183	6.3	142	6.0	95	5.3	19.8
8	244	5.1	182	5.4	145	5.5	92	4.6	22.5
10	267	5.3	189	5.8	147	6.3	92	4.9	21.3
12	292	5.3	242	5.9	182	6.6	112	5.3	21.0
14	300	6.3	217	7.2	175	7.0	102	5.1	20.4
16	298	8.1	206	7.6	163	6.8	105	5.3	24.4
18	291	9.3	212	6.3	163	6.6	102	5.3	23.9
20	268	7.0	219	7.3	180	6.9	109	5.3	22.4
22	268	6.3	202	6.6	157	6.6	97	5.1	17.3
MEAN	269	6.5	206	6.2	161	6.3	100	5.0	22.6

SEP.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	243	8.8	193	8.0	158	7.4	99	5.6	18.5
2	210	11.1	179	8.3	150	7.2	93	5.6	16.1
4	196	6.3	163	6.5	140	6.4	93	5.1	14.7
6	162	6.0	143	6.4	119	6.4	75	4.8	16.6
8	266	7.1	166	7.3	132	6.6	79	4.8	16.3
10	211	8.3	173	7.9	143	7.1	87	5.3	16.9
12	181	8.4	160	7.8	138	7.1	87	5.8	16.9
14	195	6.1	165	7.3	141	8.0	85	6.0	15.1
16	183	8.3	158	7.4	127	7.4	79	6.0	9.0
18	163	7.8	139	7.3	114	7.1	65	5.3	4.4
20	135	5.9	111	8.3	92	8.1	58	6.1	7.7
22	126	8.4	111	7.9	92	8.3	59	6.8	6.7
MEAN	189	7.7	155	7.5	129	7.3	80	5.6	13.2

SEP.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	143	6.9	123	8.3	99	8.8	59	6.7	5.8
2	131	11.0	111	9.5	84	8.3	50	6.1	6.4
4	137	6.1	120	7.5	98	7.8	56	5.6	5.0
6	138	6.7	101	7.5	81	7.3	48	5.4	8.1
8	122	8.2	108	7.4	86	7.6	49	5.3	9.1
10	127	7.2	102	7.2	82	6.7	47	4.4	18.4
12	124	5.2	94	7.8	75	7.0	45	4.8	18.7
14	135	8.4	108	6.9	80	6.8	47	4.4	17.7
16	134	6.3	101	6.6	75	5.3	45	3.6	24.2
18	131	5.3	96	6.4	75	5.3	46	3.8	19.1
20	166	5.3	105	6.4	78	5.3	47	3.6	22.0
22	197	3.6	123	5.1	93	5.1	59	3.9	27.5
MEAN	140	6.7	108	7.2	84	6.8	50	4.8	15.2

SEP.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	202	6.9	112	7.1	82	5.9	48	3.9	22.6
2	119	6.8	93	6.4	73	5.8	44	3.9	26.1
4	121	6.8	96	6.8	72	6.3	44	4.3	17.8
6	125	8.3	101	7.6	75	6.4	47	4.4	15.2
8									
10	219	5.6	103	5.8	74	5.1	46	3.6	18.9
12	203	4.8	111	5.8	81	4.9	50	3.8	21.4
14	218	5.2	116	5.4	83	5.0	52	3.6	23.7
16	222	5.0	124	5.3	89	5.1	55	3.7	21.2
18	190	3.9	104	6.4	82	5.5	51	4.0	14.4
20	166	4.4	105	6.2	85	6.4	55	4.8	9.1
22	121	6.8	103	7.3	81	6.3	51	4.6	11.8
MEAN	173	5.9	106	6.4	80	5.7	49	4.1	18.4

SEP.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	118	8.3	85	7.3	67	6.9	41	5.0	10.4
2	111	6.6	72	7.3	55	7.1	33	4.9	5.3
4	97	10.8	69	8.8	53	7.9	33	5.7	-2.5
6	75	9.0	67	7.9	57	7.8	35	5.9	0.1
8	83	6.9	67	7.8	50	7.7	29	5.3	-1.4
10									
12	73	11.4	61	9.7	47	8.8	28	6.0	-5.2
14	84	12.8	63	9.6	49	8.6	29	6.3	-4.9
16	81	8.2	60	6.1	46	4.8	29	3.3	17.4
18									
20	164	4.1	79	5.5	59	4.9	35	3.4	8.7
22	101	8.9	81	5.8	63	5.1	39	3.6	11.1
MEAN	99	8.7	70	7.6	55	7.0	33	4.9	3.9

SEP.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	85	7.8	71	7.5	54	5.9	33	4.0	7.9
2	90	5.8	71	7.9	53	6.9	33	4.8	9.5
4	98	6.1	73	8.5	59	8.0	37	5.6	1.9
6	91	5.3	73	9.2	57	7.9	36	5.6	0.4
8	78	6.8	62	9.1	50	7.3	32	5.1	4.1
10	154	5.8	78	5.4	60	4.7	38	3.4	18.3
12	200	5.9	109	5.4	82	5.1	52	3.8	17.2
14	159	8.6	121	6.6	86	6.1	53	4.3	16.2
16	141	8.7	106	8.8	74	7.7	43	4.7	12.8
18	115	7.7	84	7.4	62	6.0	37	3.9	5.8
20	186	5.6	115	5.5	82	5.1	49	3.6	14.8
22	195	2.9	125	4.4	93	4.5	58	3.8	20.8
MEAN	133	6.4	91	7.1	68	6.3	42	4.4	10.8

SEP.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	3.1	129	5.4	96	5.1	60	3.9	17.1
2	324	6.0	156	4.9	107	4.8	65	3.8	26.8
4	315	4.2	180	4.9	121	4.6	71	3.7	28.0
6	314	5.4	181	4.6	130	4.9	80	4.1	25.0
8	232	4.8	157	4.6	117	4.9	76	4.2	20.4
10	188	2.8	143	4.6	111	5.3	71	4.3	20.4
12	226	3.9	144	5.5	103	5.3	65	3.9	16.4
14	217	5.6	143	6.4	109	5.6	70	4.5	12.2
16	328	7.1	205	6.4	139	6.5	78	4.5	8.9
18	279	3.9	162	6.1	118	6.4	70	4.6	11.5
20	276	7.0	143	5.9	103	5.9	63	4.3	17.0
22	156	4.2	120	5.1	95	5.3	61	4.2	10.9
MEAN	254	4.8	155	5.4	112	5.4	69	4.2	17.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. 1.1989 TMEAM (SEC)	THETA (DEG)
0	159	6.5	137	6.4	112	6.2	69	4.6	1.9
2	230	3.1	139	6.6	105	6.9	63	5.0	2.8
4	241	4.9	147	6.3	112	6.1	68	4.3	18.4
6	385	4.6	174	7.2	130	6.3	79	4.6	16.6
8	217	3.9	157	5.6	119	5.9	74	4.4	14.0
10	290	7.5	156	5.9	125	5.9	78	4.6	12.6
12	312	4.4	199	5.4	148	5.4	93	4.7	18.0
14	234	4.6	192	6.2	150	5.8	92	4.8	21.9
16	324	3.3	204	5.7	156	5.8	98	4.7	25.0
18	242	6.2	161	5.6	128	5.8	80	4.6	25.6
20	222	7.3	154	6.0	120	5.9	78	4.6	20.0
22	173	5.8	138	5.8	110	5.6	67	4.1	20.5
MEAN	252	5.2	163	6.1	126	6.0	78	4.6	16.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. 4.1989 TMEAM (SEC)	THETA (DEG)
0	199	4.1	146	5.1	112	5.4	71	4.3	14.6
2	182	3.8	150	6.2	127	6.1	77	4.7	14.6
4	309	6.3	220	6.3	162	6.3	98	5.0	16.5
6	355	5.1	206	6.3	157	6.3	91	4.8	20.7
8	364	6.6	229	5.6	170	6.2	106	5.3	13.5
10	326	4.9	213	5.4	159	6.0	94	4.8	17.1
12	328	5.0	228	5.4	166	5.9	98	4.8	13.4
14	298	4.0	213	5.3	154	6.3	96	4.8	18.0
16	277	5.9	212	6.8	167	6.7	101	5.1	17.2
18	210	7.6	180	6.9	151	6.8	99	5.4	16.0
20	217	3.7	169	5.4	142	6.1	91	4.9	14.6
22	220	7.1	149	7.0	119	6.3	76	4.8	8.0
MEAN	274	5.3	193	6.0	149	6.2	92	4.9	15.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. 2.1989 TMEAM (SEC)	THETA (DEG)
0									
2	292	2.8	200	4.4	136	5.4	80	4.2	26.2
4	364	4.7	244	5.3	157	5.4	91	4.3	21.8
6	257	5.8	202	4.9	149	5.8	91	4.6	23.7
8	300	5.6	209	4.9	157	5.6	98	4.6	21.5
10	254	6.4	222	5.6	177	5.2	106	4.5	18.5
12	295	5.6	200	6.4	154	6.1	97	4.8	20.3
14	344	4.2	229	5.7	172	6.1	102	4.8	21.9
16	314	7.1	231	6.3	177	6.5	112	5.4	18.2
18	317	6.3	257	5.6	191	5.8	111	4.7	24.6
20	296	10.8	219	5.6	165	5.8	103	4.8	21.8
22	208	5.3	166	5.6	133	5.7	82	4.6	20.3
MEAN	295	5.9	216	5.5	161	5.8	98	4.7	21.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. 5.1989 TMEAM (SEC)	THETA (DEG)
0	170	5.8	130	5.8	104	5.5	66	4.4	12.5
2	247	2.0	155	5.9	122	6.3	75	4.8	19.7
4	190	7.8	156	7.0	134	6.7	86	5.1	13.3
6	200	9.4	160	8.0	136	7.3	88	5.8	13.5
8	192	4.4	165	6.8	142	7.1	88	5.3	11.3
10	190	6.1	155	6.7	131	6.9	85	5.5	8.7
12	156	6.6	139	7.1	119	7.0	74	5.2	11.7
14	173	7.4	144	7.5	123	7.1	81	5.6	7.2
16	247	11.2	150	7.6	119	7.4	70	5.1	6.8
18	178	5.4	144	7.1	117	7.1	74	5.5	5.8
20	170	6.0	155	7.0	134	7.1	83	5.6	9.9
22	309	4.0	182	5.6	144	6.2	93	5.0	5.9
MEAN	202	6.3	153	6.8	127	6.8	80	5.2	10.5

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. 3.1989 TMEAM (SEC)	THETA (DEG)
0	196	3.9	160	4.6	128	5.6	78	4.3	18.3
2	232	6.1	188	4.7	145	5.4	89	4.3	16.3
4	373	4.3	259	6.1	194	5.6	115	4.6	22.7
6	272	4.1	242	5.1	183	6.1	110	4.9	24.8
8	276	7.2	229	5.6	180	6.0	109	4.9	19.8
10	226	5.1	200	5.2	153	5.6	96	4.8	22.8
12	229	6.8	187	4.4	139	5.3	83	4.3	19.5
14	375	9.8	226	6.6	173	6.8	100	5.1	19.5
16	371	9.4	232	6.9	180	7.4	111	5.6	18.2
18	293	6.3	218	6.3	169	7.1	104	5.4	21.5
20	253	5.9	186	6.0	144	6.3	87	4.8	18.2
22	217	4.9	168	4.8	131	5.3	80	4.7	20.2
MEAN	276	6.1	208	5.5	160	6.0	97	4.8	20.1

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	OCT. 6.1989 TMEAM (SEC)	THETA (DEG)
0	179	7.6	136	7.0	114	6.6	74	4.8	-0.8
2	181	6.6	137	6.3	109	6.1	68	4.6	5.6
4	163	7.0	130	7.6	109	6.9	69	5.3	4.4
6	172	6.9	139	7.5	110	7.2	66	5.3	1.9
8	161	7.2	136	8.5	109	7.3	65	5.6	5.7
10	206	5.6	167	7.8	134	7.3	78	5.3	7.0
12	200	7.1	147	7.6	119	7.0	69	5.3	6.6
14	156	7.1	136	6.9	111	6.8	68	5.4	-1.2
16	234	6.8	172	7.1	122	6.9	70	4.8	13.2
18	226	9.4	153	7.6	117	6.8	68	4.8	8.2
20	304	3.8	153	6.6	120	6.6	74	4.8	7.5
22	226	4.1	162	6.6	128	6.4	82	4.9	-1.1
MEAN	201	6.6	147	7.3	117	6.8	71	5.1	4.7

OCT. 7.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	178	8.9	139	6.6	109	5.8	70	4.3	0.8
2									
4	163	10.1	137	6.8	110	6.2	68	4.5	0.9
6	184	5.2	141	7.6	115	6.6	74	5.0	-1.8
8	198	6.4	164	6.8	127	6.8	75	5.0	5.1
10	308	4.3	182	5.9	126	6.4	75	4.8	10.5
12	221	6.8	149	6.8	117	6.3	73	4.8	7.1
14	355	5.3	217	5.6	146	5.9	82	4.2	13.5
16	315	3.4	214	4.3	150	5.4	91	4.4	20.3
18	338	5.6	234	4.8	167	5.7	103	4.8	29.0
20	354	5.2	238	6.3	172	6.0	111	5.3	22.5
22	303	5.3	222	5.4	171	5.7	101	4.6	22.9
MEAN	265	6.0	185	6.1	137	6.1	84	4.7	11.9

OCT. 8.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	266	5.4	224	5.3	172	4.9	100	4.3	22.8
2	243	5.8	205	4.9	159	4.6	93	4.0	20.0
4	237	3.4	183	4.8	137	5.7	84	4.4	16.8
6	247	7.6	196	6.4	154	6.1	96	5.0	16.3
8	278	6.5	193	7.1	158	6.4	100	5.4	14.6
10	400	6.1	231	7.7	170	6.6	102	5.2	17.4
12	307	6.9	220	7.6	173	7.4	106	5.5	14.9
14	263	7.6	215	7.1	175	7.6	105	5.5	10.8
16	232	7.6	191	7.3	160	6.8	97	5.4	14.7
18	340	5.8	206	6.6	161	6.9	99	5.6	13.8
20	203	6.1	172	7.4	145	7.5	87	5.7	14.0
22	221	6.8	170	7.5	142	6.8	86	5.4	12.5
MEAN	270	6.3	201	6.6	159	6.4	96	5.1	15.7

OCT. 9.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	6.1	156	6.6	126	6.4	79	5.1	8.6
2	198	11.2	163	7.4	130	6.3	84	5.1	7.8
4	149	6.3	130	6.6	109	6.3	71	4.8	6.5
6	159	12.3	127	7.5	106	7.1	69	5.5	8.5
8	135	6.8	115	6.6	90	7.1	54	5.3	1.8
10	140	9.6	127	6.6	106	7.1	65	5.6	2.4
12	129	10.3	103	8.4	76	7.9	44	5.1	0.7
14	131	8.9	93	8.8	74	8.8	43	5.4	-0.8
16	111	6.6	96	8.0	73	7.3	42	5.1	-2.2
18	128	7.4	113	7.3	87	7.3	51	5.9	1.2
20	110	8.6	100	7.8	83	8.2	49	6.1	0.6
22	158	8.2	116	7.3	81	7.4	46	5.4	0.9
MEAN	145	8.5	120	7.4	95	7.3	58	5.4	3.0

OCT.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	127	8.3	104	7.8	83	7.7	48	5.8	-1.2
2	99	5.3	86	7.1	69	7.4	43	5.6	-1.0
4	119	6.1	85	6.9	66	7.2	39	5.0	1.4
6	104	6.6	93	6.5	71	6.4	42	4.9	-1.8
8	110	6.5	90	6.9	72	7.2	44	5.3	-0.8
10	109	6.0	92	6.9	70	7.8	42	5.6	1.4
12	111	6.4	92	8.2	70	7.6	39	5.6	-3.5
14	131	7.1	95	8.4	73	7.8	42	5.4	-2.6
16	103	8.4	88	9.0	70	8.3	40	5.3	-3.1
18	109	6.4	83	7.3	62	7.4	35	4.6	-4.3
20	103	6.4	78	8.0	59	7.3	34	4.4	-12.9
22	105	6.8	89	7.9	71	7.9	41	5.1	-8.3
MEAN	111	6.7	90	7.6	70	7.5	41	5.2	-3.1

OCT.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	122	9.3	102	7.5	75	7.1	43	5.0	-8.3
2	120	9.0	97	6.8	74	6.6	44	4.8	-8.6
4	101	6.6	83	5.8	67	5.6	41	3.8	-13.6
6	100	6.6	84	6.3	71	6.1	44	4.3	-6.5
8	106	6.1	84	6.3	61	5.8	37	4.2	-5.2
10	90	8.6	74	7.1	60	6.8	37	5.0	-7.2
12	95	6.3	81	7.2	64	7.3	38	5.1	-5.5
14	160	4.1	82	6.8	62	5.5	37	3.6	-3.7
16	304	4.2	161	4.6	104	4.6	62	3.5	20.7
18	291	2.5	170	4.4	127	4.7	78	3.8	9.8
20	215	4.5	164	4.9	131	5.7	84	4.3	0.2
22	356	5.4	216	4.9	159	5.9	96	4.6	2.0
MEAN	172	6.1	117	6.0	88	6.0	53	4.3	-2.2

OCT.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	295	5.0	208	5.8	155	5.7	96	4.6	0.4
2	293	4.3	217	5.3	159	5.7	94	4.5	2.3
4	316	5.6	234	4.8	171	5.4	101	4.4	3.8
6	298	3.9	167	4.5	122	5.7	76	4.3	-4.0
8	206	3.3	140	4.8	110	5.4	71	4.5	-0.7
10	274	5.9	178	6.1	133	5.6	85	4.9	-0.6
12	307	4.8	218	4.8	159	5.9	95	4.8	4.0
14	315	6.0	222	6.3	177	6.4	109	5.3	1.2
16	349	8.7	233	6.4	174	6.3	106	5.4	4.9
18	208	5.3	176	5.7	141	6.0	89	5.3	-2.5
20	295	4.3	186	6.1	135	5.8	82	4.8	11.7
22	211	12.3	177	6.5	135	6.1	83	5.1	3.6
MEAN	281	5.8	196	5.6	148	5.8	91	4.8	2.0

OCT.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	236	7.8	208	7.6	171	5.9	105	5.5	5.6
2	227	5.1	192	7.1	159	6.8	100	5.6	0.9
4	268	5.5	202	6.1	154	6.4	94	5.1	4.3
6	216	10.4	172	6.9	131	6.3	79	4.8	6.2
8	174	2.8	141	5.7	113	6.3	74	4.8	5.2
10	213	3.4	159	5.3	127	6.1	80	4.6	-0.4
12	333	5.5	194	6.0	146	6.3	89	5.0	5.5
14	327	3.8	213	7.0	159	7.0	95	5.4	7.3
16	292	6.0	174	8.1	138	7.5	83	5.7	6.9
18	212	5.1	163	7.3	131	7.3	81	5.5	7.4
20	193	4.8	158	7.4	125	7.4	78	5.3	11.0
22	161	8.8	135	7.2	114	7.0	72	5.1	4.7
MEAN	238	5.7	176	6.8	139	6.7	86	5.2	5.4

OCT.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	163	8.3	148	7.8	126	8.3	82	6.3	14.6
2									
4	146	11.3	128	9.8	104	8.1	62	5.9	12.1
6	237	6.1	153	7.9	112	7.0	67	4.7	21.3
8	242	9.1	155	6.9	119	6.3	73	4.7	17.6
10	168	11.1	136	7.1	110	6.7	65	4.6	18.0
12	185	5.9	142	7.1	117	7.2	75	5.1	15.4
14	196	7.0	171	7.8	138	7.6	83	5.4	12.5
16	309	4.1	155	7.9	114	7.6	68	5.3	16.7
18	139	7.1	114	7.4	89	6.9	54	4.8	13.9
20	157	6.3	121	7.7	102	6.9	62	5.3	13.3
22	130	7.6	117	6.3	96	6.8	59	4.8	11.3
MEAN	188	7.6	140	7.6	112	7.2	68	5.2	15.2

OCT.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	10.5	117	8.3	92	7.6	56	5.4	8.2
2	140	7.9	107	8.5	83	7.9	50	5.9	13.3
4	170	7.6	122	8.0	91	7.7	56	5.9	9.4
6	131	8.0	109	8.3	87	8.2	54	5.8	8.6
8	159	9.1	128	8.6	102	8.0	61	5.6	5.2
10	213	8.4	130	7.6	98	6.6	59	4.9	11.5
12	277	6.4	154	7.3	115	6.6	71	4.6	8.2
14	146	5.9	112	7.4	85	6.8	50	4.4	10.7
16	159	6.9	116	8.0	88	7.4	55	5.1	11.3
18	135	8.8	118	8.4	96	7.6	59	5.4	9.9
20	128	8.2	106	7.0	87	6.6	54	5.0	6.8
22	107	6.3	82	7.9	65	7.5	39	5.0	4.6
MEAN	158	7.8	117	7.9	91	7.4	55	5.2	9.0

OCT.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	6.9	102	8.7	81	8.3	48	5.8	2.6
2	130	8.5	104	8.8	80	8.8	49	6.4	3.8
4	134	10.8	112	8.6	89	9.0	54	6.4	4.1
6	123	7.3	100	8.0	79	8.6	48	6.3	3.8
8	131	7.1	110	8.9	82	7.7	49	5.7	5.0
10	120	7.0	95	7.8	73	7.7	44	5.8	3.1
12	141	11.6	115	8.8	93	9.0	56	6.5	1.5
14	140	8.9	118	7.9	85	8.4	50	5.6	-4.7
16	122	7.3	102	8.5	80	8.8	47	6.3	-1.3
18	132	10.1	112	8.6	88	8.3	52	6.5	1.5
20	116	9.5	93	8.6	71	8.3	41	5.5	0.2
22	121	6.5	98	7.9	76	7.5	46	5.3	-1.3
MEAN	128	8.5	105	8.4	81	8.4	49	6.0	1.5

OCT.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	112	8.2	92	8.0	68	7.6	40	5.4	-6.0
2	109	7.1	92	7.8	73	7.8	44	5.9	-5.2
4	102	7.6	81	8.2	65	8.8	39	6.2	-3.7
6	93	10.5	72	9.0	55	8.3	32	5.0	-7.4
8	101	8.4	81	8.8	60	7.4	34	4.4	3.9
10	262	7.5	135	6.3	75	5.5	42	3.6	2.1
12	167	4.4	90	8.0	65	6.5	39	4.1	28.4
14	107	7.8	88	7.4	70	5.9	42	4.1	27.2
16	114	7.9	89	7.8	70	6.8	43	4.4	28.8
18	142	8.3	96	7.4	70	6.9	42	4.4	22.2
20									
22	103	6.8	85	7.5	66	7.1	40	5.1	6.8
MEAN	128	7.7	91	7.8	67	7.1	40	4.8	8.8

OCT.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	6.3	91	7.5	69	6.9	42	5.2	5.8
2	102	7.3	78	7.5	62	7.7	39	5.5	5.3
4	100	9.3	77	7.8	60	7.6	37	5.4	11.1
6	78	6.6	66	8.3	52	7.6	32	5.3	13.5
8	849	5.8	124	8.2	68	6.8	36	4.5	14.9
10	92	8.1	71	8.3	57	7.5	36	4.9	12.2
12	93	10.8	72	7.3	55	6.8	32	4.2	10.6
14	77	6.1	67	7.3	51	6.6	31	4.1	13.5
16	79	8.6	62	7.6	47	6.8	28	4.1	18.5
18	72	8.6	59	7.3	49	6.1	31	3.8	23.2
20	84	7.3	61	6.3	48	5.0	29	3.3	15.4
22	71	10.2	53	7.2	40	5.4	25	3.7	4.9
MEAN	150	7.9	73	7.5	55	6.7	33	4.5	12.4

OCT.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	79	8.7	59	7.3	44	7.0	26	4.6	2.6
2	61	8.8	51	7.9	39	7.2	22	4.4	-0.4
4	66	6.4	51	8.5	41	7.6	25	4.8	-2.3
6	63	6.8	51	7.8	40	7.3	23	4.8	-3.4
8	68	8.3	58	8.2	43	7.2	24	4.6	-1.7
10	68	7.1	51	7.6	40	7.3	24	4.6	-0.5
12	63	9.5	51	7.9	41	6.8	24	4.2	-5.7
14	67	6.4	55	7.1	44	6.5	26	4.3	-5.6
16	105	4.6	75	6.0	60	5.4	38	4.0	-13.6
18	116	5.4	92	5.8	69	5.2	42	3.8	-16.4
20	104	5.7	92	5.8	76	5.9	50	4.8	-11.8
22	130	7.1	102	6.8	83	6.8	52	5.1	-8.6
MEAN	83	7.1	66	7.2	52	6.7	31	4.5	-5.6

OCT.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	120	8.3	98	6.9	79	6.1	48	4.4	-0.3
2	124	7.4	96	6.4	78	5.8	49	4.1	7.7
4	151	8.0	122	7.2	102	7.3	67	5.6	4.4
6	129	6.4	109	6.8	90	6.6	57	4.8	6.6
8	160	6.8	116	6.6	89	6.6	54	4.8	8.6
10	108	7.1	94	5.9	75	5.7	49	4.4	11.8
12	102	6.1	82	6.4	65	5.9	38	3.9	14.0
14	103	6.8	84	6.0	69	5.8	42	4.0	25.5
16	202	7.3	98	6.8	72	5.8	44	4.1	26.9
18	296	4.6	118	5.3	83	5.3	51	4.0	31.1
20	110	5.8	88	5.4	72	4.9	44	3.7	26.8
22	126	6.3	99	5.6	81	5.3	50	4.0	22.6
MEAN	144	6.7	100	6.3	80	5.9	49	4.3	15.5

OCT.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	108	6.0	92	5.4	73	5.1	47	3.9	22.2
2	148	4.4	120	5.3	100	5.2	62	4.3	21.1
4	113	4.6	97	5.4	78	5.3	53	4.3	19.1
6	100	5.3	82	5.5	68	5.1	43	3.7	20.4
8	171	2.9	95	5.1	74	5.3	46	3.8	22.5
10	208	6.4	140	5.7	97	5.1	58	3.6	25.2
12	181	4.6	106	5.8	84	5.1	53	3.8	22.7
14									
16									
18	126	5.2	92	5.8	76	5.3	49	3.9	18.6
20	92	4.1	78	6.1	64	6.3	40	4.3	18.6
22	89	8.1	75	6.9	59	6.6	35	4.5	15.5
MEAN	134	5.2	98	5.7	77	5.4	49	4.0	20.6

OCT.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	97	11.0	66	7.3	52	6.6	32	4.5	9.7
2	84	6.9	65	7.5	54	7.1	34	5.3	1.5
4	98	9.5	75	8.0	57	7.6	32	4.8	4.0
6	115	8.8	96	8.3	77	8.6	45	6.1	8.5
8	148	7.4	126	8.6	94	8.3	58	6.3	7.1
10	127	7.9	106	8.5	85	8.3	50	6.1	5.7
12	126	6.5	103	9.0	85	8.9	49	5.9	6.3
14	136	7.7	105	7.5	82	7.8	48	6.0	5.5
16	119	8.1	94	8.0	77	7.9	46	6.0	7.3
18	104	8.0	86	8.2	67	8.0	38	5.6	4.3
20	142	9.6	87	7.9	66	7.8	40	6.4	4.9
22	101	7.3	84	7.5	67	7.9	40	6.1	3.4
MEAN	116	8.2	91	8.0	72	7.9	43	5.8	5.7

OCT.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	104	7.8	77	8.2	60	7.8	35	5.7	0.7
2	115	7.1	94	8.0	67	8.1	40	6.1	4.3
4	118	7.3	84	7.8	61	8.3	37	6.4	0.3
6	77	7.0	66	7.6	55	7.2	34	5.2	-2.5
8	68	5.8	54	7.1	44	7.2	27	4.9	-2.3
10	75	8.5	67	9.8	51	8.3	30	5.4	-4.8
12	78	9.4	71	8.6	57	7.6	33	5.1	-3.8
14	94	6.5	76	8.0	59	7.6	37	5.2	1.9
16	221	5.5	143	5.0	106	5.3	65	4.1	16.0
18	210	3.9	132	5.6	106	5.4	70	4.4	20.8
20	203	4.4	124	6.0	97	6.0	61	4.4	23.6
22	200	5.8	174	6.3	144	6.1	95	5.1	22.6
MEAN	130	6.6	97	7.3	76	7.1	47	5.2	6.4

OCT.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	162	6.4	126	6.1	106	5.9	70	4.8	23.1
2	140	5.6	118	6.9	96	6.3	61	4.9	20.9
4	104	8.2	87	7.3	69	6.6	42	4.8	18.4
6	112	10.7	86	6.9	65	6.6	39	4.9	15.0
8	138	6.6	91	6.9	64	7.0	37	5.1	10.9
10	112	7.9	90	8.3	68	7.5	40	5.1	10.2
12	103	7.8	84	7.1	64	7.6	38	5.3	10.6
14	86	9.0	75	8.7	59	7.8	34	5.3	9.3
16	104	9.3	79	8.2	62	7.8	35	5.3	6.5
18	96	7.3	68	7.8	57	8.4	35	5.7	3.6
20	89	6.6	65	7.4	50	7.4	30	5.3	0.8
22	75	6.8	60	7.9	46	7.6	28	5.4	3.0
MEAN	110	7.7	86	7.5	67	7.2	41	5.2	11.0

OCT.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	73	7.4	55	7.6	43	7.6	26	5.3	5.9
2	86	6.8	62	8.5	48	8.1	29	5.7	3.7
4	64	6.8	57	8.0	43	8.0	25	5.3	2.9
6	68	6.4	57	8.6	44	7.8	26	4.9	7.5
8	76	9.3	60	8.8	45	8.0	26	5.8	2.5
10	63	7.1	54	8.3	43	8.4	25	5.5	3.7
12	78	10.8	57	9.3	42	8.6	25	6.0	-0.4
14	79	9.5	59	9.6	46	8.8	29	6.6	-6.3
16	72	8.1	52	9.4	41	9.2	24	6.1	-4.9
18	78	6.6	50	9.5	39	8.7	24	6.2	-3.0
20	59	10.9	49	8.8	40	8.7	24	6.1	-5.2
22	59	11.7	51	10.1	40	8.9	24	5.8	-6.0
MEAN	71	8.4	55	8.9	43	8.4	26	5.8	0.0

OCT.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	85	6.6	63	9.4	50	9.1	30	6.4	-6.4
2	63	8.1	54	9.1	41	8.8	24	5.6	-7.2
4	67	11.9	55	9.4	42	8.0	25	5.3	-11.8
6	60	10.9	48	9.6	39	8.4	24	5.7	-6.4
8	65	9.2	53	8.3	41	7.7	24	5.3	-6.1
10	73	11.7	58	10.6	42	9.0	24	5.8	-7.4
12	87	11.8	51	9.0	39	7.6	23	4.6	-5.5
14	76	10.0	59	9.9	44	8.7	24	5.1	-4.3
16	65	11.9	57	10.7	43	8.1	26	5.1	-6.4
18	68	11.6	56	9.6	45	8.8	26	5.3	-7.0
20	66	6.9	60	7.7	48	8.3	29	5.8	-5.6
22	66	6.6	59	9.1	49	8.4	31	5.8	0.1
MEAN	70	9.8	56	9.4	44	8.4	26	5.5	-6.2

OCT.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	90	10.8	70	9.5	53	8.3	31	5.6	-6.7
2	102	7.5	82	9.2	64	8.3	38	5.6	-6.2
4	164	4.1	99	8.3	72	8.5	42	6.0	-2.1
6	91	8.9	75	8.3	65	8.5	40	6.1	-1.3
8	101	9.6	89	7.8	75	8.1	48	6.6	-2.0
10	177	4.3	118	6.5	85	6.3	48	4.1	9.5
12	240	3.6	171	4.3	125	5.3	78	4.1	16.5
14	237	5.8	152	5.8	116	5.3	74	4.3	16.7
16	206	5.7	158	5.8	122	5.8	76	4.3	13.3
18	161	6.6	126	6.1	101	6.0	62	4.3	14.8
20	143	5.6	114	6.2	91	6.3	56	4.4	6.5
22	142	6.5	119	7.2	92	6.6	55	4.5	0.8
MEAN	155	6.6	114	7.1	88	6.9	54	5.0	5.0

OCT.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	171	7.0	121	8.3	96	7.8	59	5.4	-0.4
2	166	6.3	131	7.9	102	7.7	63	5.5	0.4
4	149	8.8	129	7.7	97	8.5	59	6.1	-0.4
6	123	6.2	107	7.9	86	7.6	52	5.4	-1.8
8	138	6.9	119	7.7	92	7.6	60	5.8	-2.3
10	143	7.2	119	7.7	97	7.6	60	5.6	-1.9
12	138	5.8	109	6.9	88	7.4	53	5.2	-2.1
14	146	6.0	117	8.6	97	8.1	60	5.6	-3.1
16	128	7.0	95	7.5	76	7.1	45	4.8	-4.8
18	117	8.4	107	7.8	87	7.8	55	5.7	-5.9
20	146	9.6	103	8.1	83	7.8	49	5.5	-3.8
22	150	10.4	102	6.8	82	6.9	52	5.4	-3.7
MEAN	143	7.5	113	7.7	90	7.7	56	5.5	-2.5

OCT.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	158	7.1	115	7.4	88	6.9	53	4.9	2.8
2									
4	274	3.8	173	5.4	125	5.1	77	4.1	28.5
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN	216	5.4	144	6.4	107	6.0	65	4.5	15.6

OCT.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16	102	10.8	89	8.3	73	7.9	46	5.9	12.4
18									
20									
22									
MEAN	102	10.8	89	8.3	73	7.9	46	5.9	12.4

OCT.31.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV. 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14	205	6.1	182	7.4	144	8.8	86	6.9	0.4
16	279	11.9	245	8.3	201	8.5	121	7.6	3.3
18	217	7.1	202	9.2	165	8.5	98	6.6	1.0
20	210	5.6	175	6.4	142	8.0	81	5.8	5.5
22	164	6.4	140	7.3	110	6.5	68	4.9	-2.3
MEAN	215	7.4	189	7.7	152	8.1	91	6.4	1.6

NOV. 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	4.4	157	5.9	128	6.8	79	5.2	-0.6
2	191	8.8	174	8.2	142	7.1	83	6.0	10.5
4	251	11.0	207	9.0	173	8.6	102	7.1	10.5
6	244	12.5	200	9.3	158	9.3	90	7.1	6.7
8	431	10.4	249	8.4	184	7.9	99	6.1	13.1
10	328	9.5	232	10.9	186	8.8	111	6.9	18.2
12	244	4.5	208	9.1	172	7.6	110	6.4	17.0
14	356	5.6	246	7.9	194	7.4	114	6.1	20.3
16	345	10.6	247	8.0	199	8.3	116	6.3	16.3
18									
20									
22									
MEAN	287	8.6	213	8.5	171	8.0	100	6.4	12.4

NOV. 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. TMEAM (SEC)	4.1989 THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18	178	8.1	148	7.8	114	8.5	63	6.5	7.6
20	168	7.1	130	7.9	94	8.2	52	5.6	2.5
22	137	6.8	121	7.4	98	7.6	55	5.6	7.1
MEAN	161	7.3	133	7.7	102	8.1	57	5.9	5.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. TMEAM (SEC)	7.1989 THETA (DEG)
0	88	5.9	72	7.7	57	7.1	34	4.9	-3.7
2	119	6.3	93	6.6	72	7.0	43	5.2	-6.5
4	125	5.8	102	6.9	83	6.9	52	5.3	-2.2
6	122	7.3	106	7.1	85	7.8	52	5.9	-0.6
8	102	7.4	88	8.0	74	7.5	46	5.7	-6.4
10	111	6.4	82	7.6	66	7.5	41	5.8	-11.8
12	118	6.7	89	7.8	71	7.8	43	5.9	-7.5
14	100	8.1	80	7.9	65	7.1	39	5.3	-9.8
16	114	6.8	92	6.8	69	7.0	46	5.8	-8.9
18	131	7.3	93	7.9	71	7.4	42	5.6	-14.5
20	98	7.2	85	8.4	68	7.8	43	5.9	-12.5
22	94	7.1	80	7.4	66	7.6	42	5.8	-9.7
MEAN	110	6.9	89	7.5	71	7.4	44	5.6	-7.8

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. TMEAM (SEC)	5.1989 THETA (DEG)
0	126	8.2	104	7.2	76	7.3	45	5.5	1.8
2	120	6.0	94	7.4	73	7.1	42	5.3	-6.5
4	140	7.5	112	7.1	83	7.0	47	5.7	1.8
6	121	9.1	92	7.8	69	8.0	39	6.1	3.8
8	123	7.5	105	7.6	85	8.4	52	6.8	-0.5
10	98	8.8	87	8.6	65	8.6	39	6.6	1.2
12	114	10.6	95	8.8	74	8.9	45	6.9	0.6
14	133	6.8	99	7.9	69	7.8	37	5.1	2.1
16	129	6.3	93	8.8	68	8.3	36	5.4	0.4
18	279	6.6	117	7.3	73	6.4	39	3.9	16.9
20									
22	286	3.5	177	4.8	100	4.6	54	3.4	30.5
MEAN	152	7.4	107	7.6	76	7.5	43	5.5	4.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. TMEAM (SEC)	8.1989 THETA (DEG)
0	93	8.5	78	8.0	64	7.6	40	5.6	-8.2
2	100	8.9	88	8.0	70	7.6	40	5.6	-5.5
4	96	6.8	85	6.6	67	6.9	42	5.4	-8.0
6	242	4.2	110	6.5	76	6.0	46	3.9	5.8
8	164	5.1	114	5.7	82	5.1	48	3.6	18.4
10	132	7.8	100	6.8	77	6.0	47	4.1	18.3
12	131	5.8	100	6.6	78	5.8	48	3.9	17.6
14	126	7.6	96	6.9	75	5.7	45	4.0	15.9
16	167	3.4	101	6.3	76	5.5	46	3.8	15.3
18	117	6.5	95	6.8	74	6.4	44	4.2	6.9
20	130	6.3	100	7.8	79	6.8	47	4.6	6.6
22	130	6.0	103	8.0	82	7.4	48	5.3	6.1
MEAN	136	6.4	98	7.0	75	6.4	45	4.5	7.4

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. TMEAM (SEC)	6.1989 THETA (DEG)
0	162	4.1	95	6.8	71	5.4	43	3.8	19.1
2	126	8.0	90	6.8	70	5.6	42	3.7	11.1
4	119	6.4	93	6.1	73	5.8	45	4.1	17.3
6	161	3.5	93	5.9	72	5.5	43	3.8	23.1
8	148	8.2	97	6.7	72	5.6	42	3.7	16.3
10	186	6.9	106	7.5	78	6.1	46	3.9	18.2
12	127	7.9	90	5.9	69	5.9	41	4.1	12.9
14	149	6.6	84	6.8	66	6.4	40	4.6	11.3
16	93	10.0	77	8.0	63	7.2	39	4.9	8.6
18	96	8.5	79	7.6	62	7.3	37	5.1	3.8
20	95	6.1	75	8.0	57	7.6	34	5.3	-2.2
22	86	10.5	71	7.5	56	7.8	33	5.5	1.4
MEAN	129	7.2	88	7.0	67	6.3	40	4.4	11.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	NOV. TMEAM (SEC)	9.1989 THETA (DEG)
0	157	6.6	114	7.3	86	7.8	51	5.6	1.7
2	134	8.4	103	8.3	80	7.6	49	5.7	-0.1
4	121	7.4	93	8.0	72	7.8	44	5.7	-2.9
6	130	6.8	112	7.4	91	7.3	55	5.6	-6.9
8	131	8.6	108	7.9	87	7.6	52	5.6	-5.6
10	144	7.2	120	7.4	94	7.7	55	5.8	-8.1
12	154	7.3	125	8.0	100	7.9	62	6.5	-5.9
14	151	7.5	118	7.9	97	7.6	58	5.8	-8.9
16	132	8.3	121	7.0	99	7.6	60	5.8	-5.1
18	133	8.5	117	8.0	95	7.8	56	5.5	-5.4
20	149	7.9	115	6.9	96	7.5	59	5.3	-7.1
22	152	7.4	130	7.5	103	7.7	61	5.8	-5.5
MEAN	141	7.7	115	7.6	92	7.7	55	5.7	-5.0

NOV.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	171	6.8	139	6.8	107	7.5	61	5.3	-4.6
2	219	5.6	144	7.1	111	7.0	65	4.6	12.2
4	230	3.8	186	4.4	139	5.3	86	4.3	18.8
6	324	4.7	191	4.3	144	5.1	92	4.6	18.2
8	197	3.8	161	5.2	134	5.6	86	4.6	12.0
10	379	4.6	234	5.0	172	5.5	105	4.6	21.3
12	351	5.6	211	5.8	157	6.4	102	5.1	22.0
14	256	6.8	186	6.9	143	6.1	91	4.9	21.6
16	258	3.8	198	5.6	156	5.9	95	4.7	19.4
18	213	6.1	165	5.6	127	5.8	83	4.7	13.2
20	268	3.4	160	5.3	125	5.6	76	4.3	12.8
22	337	7.6	209	5.1	154	5.3	89	4.1	9.8
MEAN	267	5.2	182	5.6	139	5.9	86	4.6	14.7

NOV.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	353	5.0	236	5.4	167	5.8	100	4.6	18.3
2	253	7.1	178	6.5	139	6.5	86	4.8	12.9
4	259	6.9	201	6.4	148	6.4	87	4.6	13.2
6	311	7.2	183	6.6	141	6.4	87	4.8	7.1
8	257	3.6	164	6.1	133	6.6	84	4.9	5.2
10	357	4.1	222	5.1	157	6.0	98	4.6	13.0
12	347	9.1	191	7.2	141	7.0	89	5.3	10.8
14	214	8.3	148	7.6	119	6.9	75	4.9	10.6
16	248	9.5	162	7.0	127	6.6	81	5.1	9.4
18	309	5.5	169	6.8	132	6.8	83	5.0	13.8
20	173	5.3	133	5.6	109	6.1	69	4.6	10.8
22	159	6.9	137	6.8	112	6.7	73	5.0	8.9
MEAN	270	6.5	177	6.4	135	6.5	84	4.8	11.2

NOV.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	183	8.8	155	6.8	129	7.0	81	5.3	5.1
2	310	5.5	194	7.2	150	7.4	93	6.0	6.6
4	171	6.4	148	7.1	117	6.9	70	5.2	1.7
6	185	6.6	150	7.6	122	7.5	76	5.8	6.6
8	152	8.4	135	7.1	109	7.1	65	5.3	4.8
10	167	8.2	145	7.8	115	7.4	69	5.6	2.7
12	172	7.6	139	7.6	102	7.3	59	5.5	0.8
14									
16	144	6.3	122	7.8	100	8.0	58	5.5	3.5
18	160	6.1	138	7.2	111	6.9	66	5.0	-0.3
20	131	6.6	113	6.7	96	6.6	62	4.8	0.2
22	141	6.1	117	5.8	99	5.9	63	4.6	-1.4
MEAN	174	7.0	141	7.2	114	7.1	69	5.3	2.8

NOV.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	166	6.6	143	6.6	118	6.3	73	4.7	0.7
2	180	6.6	148	7.2	117	7.1	73	5.1	-2.1
4	170	8.3	152	7.6	121	7.2	76	5.8	0.6
6	184	7.4	159	7.9	123	7.3	73	5.5	-2.2
8	178	4.5	149	7.1	124	7.1	75	5.3	-1.1
10	207	9.8	157	8.7	129	7.5	76	5.6	0.3
12	212	6.8	177	7.1	150	7.5	92	6.1	6.7
14	227	6.7	201	8.3	169	8.4	101	6.3	3.4
16	354	8.3	202	8.6	155	8.4	88	6.4	4.4
18	185	8.8	153	7.3	127	7.8	79	5.6	-0.8
20	144	5.6	122	6.4	105	6.1	67	4.7	-4.6
22	146	8.5	116	5.9	96	5.9	60	4.3	-1.1
MEAN	196	7.3	157	7.4	128	7.2	78	5.4	0.4

NOV.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	136	6.5	120	7.3	102	6.8	63	4.9	-2.0
2	196	7.6	169	7.8	146	7.7	92	5.8	-2.4
4	251	6.4	186	8.5	148	8.8	87	6.6	0.0
6	215	6.6	187	8.3	157	8.8	95	6.6	3.0
8	214	7.4	179	6.5	149	6.5	90	5.2	4.2
10	239	9.3	178	6.8	146	6.2	94	5.5	13.4
12	192	4.8	170	6.1	143	6.6	92	5.3	7.8
14	258	6.1	190	7.3	159	6.9	101	5.4	13.6
16	206	9.4	182	7.5	150	7.0	99	5.6	19.5
18	226	5.8	173	5.1	140	5.8	89	4.8	15.5
20	154	6.4	127	6.1	105	5.8	67	4.5	17.5
22	168	4.1	122	4.8	93	5.1	59	4.2	15.1
MEAN	205	6.7	165	6.8	137	6.8	86	5.4	8.8

NOV.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	169	4.1	124	4.6	95	5.3	61	4.3	12.8
2	297	3.6	170	5.8	129	5.6	80	4.5	13.1
4	264	5.4	202	5.3	161	6.0	105	5.3	17.0
6	270	5.6	223	6.7	168	6.5	106	5.1	16.9
8	233	7.3	187	5.6	151	5.9	92	4.6	14.8
10	244	6.6	187	6.1	148	6.0	93	5.1	10.4
12	216	8.3	173	6.1	147	6.3	98	5.1	13.7
14	229	7.5	186	7.3	152	7.3	92	5.3	11.6
16	273	7.2	192	7.2	154	6.8	97	5.5	17.8
18	279	8.6	199	7.1	154	6.6	94	5.1	13.0
20	206	4.4	145	6.5	114	5.9	74	4.6	14.7
22	126	5.0	101	5.9	85	5.6	54	4.0	10.0
MEAN	234	6.1	174	6.2	138	6.1	87	4.9	13.8

NOV.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	149	6.0	115	5.4	92	5.5	59	4.3	10.2
2	166	6.3	140	6.2	113	6.1	70	4.5	5.2
4	187	5.2	154	6.6	128	6.4	81	4.9	11.1
6	184	7.6	164	7.1	139	6.8	90	5.1	11.0
8	234	4.9	170	6.4	133	6.3	83	4.6	15.9
10	303	2.9	179	6.4	145	6.3	90	4.8	15.1
12	199	4.5	157	7.0	124	6.5	79	4.9	15.9
14	208	2.8	175	6.7	144	6.8	86	5.0	14.6
16	263	5.1	158	6.6	127	6.3	81	4.9	19.6
18	333	5.2	195	6.3	145	6.3	91	4.9	15.8
20									
22									
MEAN	223	5.0	161	6.5	129	6.3	81	4.8	13.4

NOV.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

NOV.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12	226	4.1	188	6.4	160	6.6	104	5.3	11.7
14	463	10.6	230	7.8	169	6.8	104	5.3	4.3
16									
18	234	4.9	215	7.1	180	7.1	111	5.9	7.9
20	216	9.8	186	6.1	158	6.4	99	5.4	7.6
22	343	6.1	202	7.5	158	6.9	95	5.5	7.1
MEAN	296	7.1	204	7.0	165	6.8	103	5.5	7.7

NOV.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	183	4.8	152	6.1	123	6.3	79	5.2	5.9
2	182	4.8	151	5.8	120	5.8	76	4.9	0.7
4	162	8.8	135	6.5	115	6.3	78	5.1	-3.4
6	231	4.1	176	6.8	146	7.0	92	5.8	2.7
8	203	10.0	173	7.6	131	8.0	77	6.6	3.9
10	174	7.5	154	7.4	124	7.7	70	5.8	8.5
12	195	4.8	125	8.5	94	8.0	54	5.6	8.9
14	338	8.3	204	7.6	149	7.3	83	6.1	13.8
16	184	7.0	167	7.8	141	7.8	84	6.1	10.2
18	170	7.1	150	8.7	116	8.6	68	6.3	10.2
20	152	6.5	117	8.6	93	8.3	54	5.9	18.6
22	108	7.1	93	8.8	71	8.8	43	6.1	15.2
MEAN	190	6.7	150	7.5	119	7.5	72	5.8	7.9

NOV.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	113	6.8	93	7.0	74	8.8	45	7.5	9.1
2	117	6.1	90	6.6	65	7.0	36	6.3	9.1
4	97	6.5	80	6.7	61	8.0	36	6.4	3.9
6	70	6.6	66	9.9	53	8.7	29	6.1	12.1
8	102	6.9	79	10.3	57	10.3	31	7.5	4.4
10	87	12.3	74	10.3	54	9.3	31	6.3	3.5
12	82	6.4	66	10.6	50	10.4	29	6.6	8.7
14	79	6.4	65	9.8	49	8.2	27	4.7	-1.6
16	75	5.8	58	6.8	45	6.7	28	4.2	39.6
18	65	8.3	56	8.0	45	6.2	28	4.1	39.6
20	111	6.1	70	7.1	56	5.8	37	4.5	28.1
22	84	5.9	59	6.8	47	6.1	29	4.3	28.7
MEAN	90	7.0	71	8.3	55	8.0	32	5.7	15.4

NOV.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	80	6.3	61	7.8	44	7.3	26	5.1	21.7
2	77	6.0	60	7.1	46	7.4	28	5.7	12.8
4	86	6.3	61	6.8	46	7.9	27	5.6	11.4
6	74	11.7	54	9.6	43	8.4	26	6.1	12.5
8	75	7.2	56	8.0	44	7.8	27	5.3	10.2
10	60	10.3	53	9.0	41	7.9	24	5.3	8.0
12	67	7.3	57	9.3	42	8.3	24	5.6	11.4
14	56	12.1	48	9.6	37	9.0	22	5.8	12.7
16	60	9.3	53	9.8	40	9.0	23	6.1	16.0
18	67	7.0	54	8.9	44	9.6	27	6.8	11.4
20	86	6.8	64	8.2	46	7.1	26	4.1	36.0
22									
MEAN	72	8.2	56	8.6	43	8.2	25	5.6	14.9

NOV.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	94	7.4	72	8.4	54	8.4	32	5.8	11.1
2	94	6.7	61	8.6	46	7.9	27	5.3	11.7
4	92	5.9	71	7.1	53	7.8	31	5.4	11.0
6	77	6.3	60	8.1	45	7.6	26	5.0	10.7
8	83	11.6	61	9.5	47	8.3	28	5.7	11.1
10	64	11.1	56	9.9	48	9.3	28	6.3	5.5
12	87	9.4	66	10.4	49	9.7	30	6.5	0.5
14	90	12.2	78	9.6	57	9.5	33	6.6	4.4
16	98	10.1	73	8.7	55	8.2	33	6.2	2.1
18	92	6.3	70	7.9	53	8.2	32	6.3	3.9
20	83	5.9	70	9.6	54	8.8	32	6.7	4.6
22	95	6.2	63	8.0	47	9.0	28	6.3	6.4
MEAN	87	8.3	67	8.8	51	8.6	30	6.0	6.9

NOV.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2	77	6.3	66	8.7	53	8.5	31	5.8	14.0
4	83	6.3	62	8.8	49	7.9	30	5.3	14.0
6	81	9.3	67	8.8	51	7.3	31	5.1	21.7
8	86	6.8	65	7.7	50	6.0	33	4.5	23.2
10	89	8.6	73	7.3	57	6.2	36	4.4	21.7
12	97	9.5	80	7.1	64	6.1	42	4.3	22.3
14	136	5.8	88	7.6	64	6.5	39	4.8	17.6
16	106	6.0	77	7.4	61	6.6	38	4.8	14.6
18	93	9.3	70	6.5	54	6.0	35	4.8	13.9
20	97	5.6	80	7.0	57	6.8	35	4.9	13.4
22	93	5.8	76	6.5	58	6.3	34	4.3	20.8
MEAN	94	7.2	73	7.6	56	6.7	35	4.8	17.9

NOV.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	99	8.9	79	7.9	59	7.1	36	4.9	19.1
2	129	6.4	93	7.3	70	6.8	44	5.3	16.7
4	99	6.1	87	8.3	71	7.5	47	5.6	17.3
6	101	6.7	85	8.2	64	7.3	38	5.0	15.9
8	103	11.0	81	8.3	65	6.9	41	5.0	18.7
10	82	12.4	73	8.8	60	7.6	37	5.3	17.5
12	107	6.4	88	7.6	69	7.4	44	5.6	12.8
14	109	10.3	96	8.5	69	8.2	41	6.1	10.6
16	93	10.4	75	7.8	59	7.2	33	4.4	12.9
18	117	6.2	88	7.5	63	7.5	35	5.2	8.4
20	108	7.4	82	7.6	57	7.6	34	5.4	6.6
22	113	5.8	93	6.9	71	6.8	43	4.9	14.8
MEAN	105	8.2	85	7.9	65	7.3	39	5.2	14.3

NOV.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	105	6.3	80	8.3	59	7.4	34	5.1	13.6
2	119	7.4	92	8.4	72	7.7	44	5.6	10.3
4	123	6.8	100	8.3	71	7.8	39	5.3	9.7
6	92	9.3	75	6.4	59	6.8	36	4.9	9.7
8	110	9.3	88	8.2	67	7.3	38	4.9	9.8
10	106	10.9	78	8.1	62	6.9	37	4.9	15.4
12									
14									
16									
18									
20	125	5.9	103	6.3	80	6.4	46	4.3	16.9
22	127	5.9	106	6.6	82	6.1	50	4.6	18.1
MEAN	113	7.7	90	7.6	69	7.0	41	4.9	12.9

NOV.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	4.3	91	6.1	69	5.6	44	4.1	19.8
2	113	5.9	90	6.9	71	6.4	46	4.8	19.6
4	143	5.8	96	7.8	74	7.6	44	5.3	12.4
6	117	7.1	93	8.5	69	7.5	41	5.3	12.2
8	100	6.3	82	9.0	61	7.5	36	5.4	9.6
10	105	12.0	88	8.4	66	7.7	41	5.7	8.4
12	112	9.3	96	8.8	73	7.9	44	5.6	10.2
14	163	6.8	95	8.1	65	7.2	38	5.2	8.4
16	105	6.6	83	8.8	66	8.1	41	5.7	4.9
18	96	6.6	78	8.7	61	7.5	37	5.1	5.9
20	96	5.2	76	7.1	63	6.8	39	4.9	3.4
22	100	6.9	87	7.1	68	6.7	40	5.0	1.2
MEAN	114	6.9	88	7.9	67	7.2	41	5.2	9.7

NOV.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	133	6.4	96	7.8	75	7.9	45	6.1	1.2
2	123	6.5	93	9.1	71	8.5	42	6.0	0.5
4	100	7.8	84	8.2	67	8.5	38	5.6	0.8
6	110	9.1	92	8.9	71	8.4	40	5.5	-1.7
8									
10	129	6.4	105	8.1	82	7.8	49	6.2	0.0
12	146	11.0	91	9.0	73	8.4	45	6.4	0.6
14	125	9.1	94	8.7	74	8.4	45	6.4	-2.3
16	110	9.8	97	9.6	79	8.9	47	6.8	-3.5
18	105	8.8	94	8.1	71	8.5	40	5.9	0.1
20	113	8.8	93	7.4	71	7.2	43	5.8	-0.8
22	101	6.3	88	8.1	71	7.5	43	5.8	-1.2
MEAN	118	8.2	93	8.5	73	8.2	43	6.0	-0.6

NOV.28.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	112	6.5	96	7.3	77	7.7	46	5.6	-0.7
2	156	7.1	115	8.7	87	8.4	53	6.6	-2.7
4	143	8.3	115	8.3	95	8.8	59	7.3	-0.7
6	111	11.6	97	9.1	78	9.2	48	7.0	-0.3
8	139	9.6	108	9.1	84	9.3	47	6.4	-1.4
10	145	9.3	114	9.6	92	8.5	52	6.8	0.4
12	145	6.6	114	8.8	81	8.9	45	6.5	-5.2
14	105	9.5	95	8.9	80	8.4	48	6.6	-6.6
16	140	8.8	101	9.3	78	9.1	45	6.6	-9.6
18	119	6.5	112	7.2	88	8.3	54	6.6	-2.4
20	139	7.0	111	7.1	91	7.3	52	5.8	-2.3
22	149	5.6	100	7.1	78	6.3	47	4.3	11.2
MEAN	134	8.0	107	8.4	84	8.3	50	6.3	-1.7

DEC. 1.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	63	9.7	47	8.5	35	7.5	21	5.1	13.8
2	65	11.1	41	8.2	30	6.7	19	4.4	14.0
4	57	8.2	49	6.6	40	6.3	25	4.8	22.8
6	48	11.4	39	7.9	32	6.1	20	4.4	23.8
8	46	11.3	38	9.0	30	7.3	18	4.8	26.4
10	43	11.8	32	9.7	24	7.1	14	4.2	19.7
12	38	12.2	32	8.9	27	7.1	17	4.4	17.5
14	43	7.0	36	9.6	26	7.5	14	4.6	22.3
16	43	10.6	32	6.3	25	4.8	16	3.1	17.9
18	50	8.1	34	6.3	27	4.6	17	3.1	51.1
20	52	11.1	37	7.6	29	6.0	18	3.8	41.9
22									
MEAN	50	10.2	38	8.1	30	6.5	18	4.2	24.7

NOV.29.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	182	3.3	103	6.5	76	6.1	45	4.3	8.1
2	137	6.3	111	7.3	88	6.6	54	4.8	13.5
4	164	9.3	117	7.6	94	6.4	59	4.8	15.0
6	157	9.5	112	7.3	90	7.1	59	5.3	14.7
8	164	6.8	121	7.1	96	7.3	57	5.2	10.8
10	150	5.9	113	7.5	88	7.1	54	5.3	12.2
12	121	6.9	92	7.8	74	8.0	46	6.0	7.7
14	106	8.3	86	9.8	68	9.8	42	6.9	5.3
16	107	10.3	95	9.5	70	9.2	41	6.9	3.1
18	94	8.9	84	8.5	68	9.0	42	7.3	3.3
20	93	6.1	78	8.3	59	8.6	34	6.6	2.5
22	83	9.0	72	8.1	51	7.9	30	5.7	9.0
MEAN	130	7.5	99	7.9	77	7.8	47	5.8	8.8

DEC. 2.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	43	4.4	36	6.1	30	6.3	19	4.8	20.4
2	44	8.6	35	7.5	28	6.5	17	4.6	19.6
4	42	6.6	36	8.4	28	7.3	17	5.1	17.5
6	43	13.0	35	10.6	26	8.4	16	5.3	17.8
8	50	10.6	36	8.3	27	6.5	16	4.1	13.0
10	41	8.5	36	8.8	28	7.3	17	4.7	8.6
12	47	12.0	38	10.8	29	8.3	17	5.0	11.9
14									
16									
18	48	11.6	39	10.1	31	9.8	18	6.3	5.5
20	49	8.8	44	7.4	36	6.6	23	5.0	-9.6
22	66	5.3	48	7.6	38	6.6	24	5.1	-9.4
MEAN	47	8.9	38	8.6	30	7.4	18	5.0	9.5

NOV.30.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	82	6.4	64	7.9	47	7.8	27	5.4	9.0
2	109	7.1	87	9.4	68	9.4	39	7.1	7.8
4	96	10.9	84	9.2	69	9.3	41	7.1	8.4
6	97	7.2	69	9.1	55	9.1	32	6.2	13.0
8	94	7.4	69	7.6	54	7.3	34	5.5	19.7
10	94	6.4	67	8.0	53	6.9	34	5.6	16.9
12	77	7.8	58	8.8	47	8.2	27	5.7	14.1
14	61	11.3	49	9.0	38	8.7	22	5.8	11.1
16	49	10.5	39	10.6	31	9.5	19	6.8	9.2
18	50	6.3	41	9.5	31	9.0	17	5.8	3.9
20	61	10.5	49	10.0	38	9.9	21	6.5	2.1
22	53	7.7	41	7.2	31	6.8	18	4.3	10.3
MEAN	77	8.3	60	8.9	47	8.5	28	6.0	10.5

DEC. 3.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4	44	12.9	36	8.8	30	8.8	17	5.6	0.8
6	40	7.9	33	10.6	27	9.0	16	5.6	0.5
8	49	10.5	40	10.6	29	8.4	16	5.0	-2.5
10	54	11.5	40	10.9	31	9.3	18	5.6	-3.2
12	45	11.8	38	10.2	29	8.5	18	5.2	-9.6
14	49	13.4	39	10.9	30	7.9	18	4.9	9.4
16	60	11.6	40	9.8	29	7.9	18	4.8	-0.1
18	46	11.8	36	9.9	28	8.4	17	5.4	-1.8
20	57	12.4	46	10.9	37	10.8	23	6.8	-2.6
22	54	12.0	43	11.0	32	9.3	18	5.3	2.3
MEAN	50	11.6	39	10.4	30	8.8	18	5.4	-0.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 4.1989 TMEAM (SEC)	THETA (DEG)
0	45	12.3	39	10.0	30	9.3	17	5.9	0.8
2	46	12.3	41	9.5	33	9.4	19	6.3	2.6
4	51	6.8	34	9.4	26	8.1	15	5.4	-4.2
6	56	12.8	44	10.8	31	8.5	18	5.4	-6.6
8	66	10.5	46	8.5	35	7.6	22	5.3	-8.5
10	64	6.9	55	11.1	43	9.6	26	6.4	-7.3
12	69	9.2	49	8.4	36	7.8	22	5.2	-12.2
14	58	12.6	48	8.5	36	7.4	22	4.9	-15.6
16	67	6.3	49	7.8	37	6.9	22	4.6	-4.4
18	63	11.3	49	9.4	38	9.3	23	6.1	-5.8
20	56	11.3	45	9.3	36	7.4	22	4.9	-14.7
22	64	9.4	55	8.9	41	7.4	25	5.1	-4.7
MEAN	59	10.1	46	9.3	35	8.2	21	5.5	-6.7

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 7.1989 TMEAM (SEC)	THETA (DEG)
0	191	5.4	131	5.3	105	5.3	66	4.0	22.7
2	296	3.8	128	5.8	99	5.5	61	4.1	18.3
4	153	6.3	109	5.6	89	5.3	57	4.1	22.7
6	123	5.5	104	5.1	83	5.1	54	4.1	21.0
8	183	4.7	111	5.6	82	5.3	49	3.7	19.7
10	173	8.3	101	6.4	75	5.6	45	3.9	17.2
12	114	8.8	91	7.1	71	6.1	43	4.1	12.9
14	115	6.8	88	6.6	66	5.8	41	3.9	10.7
16	105	6.4	82	6.4	62	5.6	37	3.8	2.5
18	136	6.0	90	6.8	70	6.6	42	4.6	3.8
20	89	6.5	74	7.1	64	6.8	41	4.9	6.1
22	102	6.1	78	6.8	62	6.9	42	5.4	1.1
MEAN	148	6.2	99	6.2	77	5.8	48	4.2	13.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 5.1989 TMEAM (SEC)	THETA (DEG)
0	66	9.5	52	7.4	39	6.9	24	4.6	-7.1
2	65	11.5	47	8.3	38	8.3	23	5.6	-5.2
4	101	5.5	70	5.5	57	5.6	37	4.5	23.1
6	97	5.1	84	5.5	70	5.3	45	4.2	25.1
8	110	5.2	91	5.3	73	5.3	46	4.1	25.5
10	158	5.8	125	6.2	101	6.3	64	4.9	24.7
12	134	5.7	111	6.0	91	5.9	55	4.5	21.9
14	117	6.4	102	6.5	84	6.0	55	4.8	18.7
16	124	5.0	92	6.3	68	6.2	39	4.2	17.1
18	100	6.6	78	6.3	61	6.1	36	4.1	13.9
20	116	5.9	78	7.3	63	6.5	38	4.5	12.3
22	76	5.6	65	6.6	53	6.1	33	4.4	12.6
MEAN	105	6.5	83	6.4	67	6.2	41	4.5	15.2

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 8.1989 TMEAM (SEC)	THETA (DEG)
0	86	10.5	70	7.1	57	6.9	38	5.8	1.3
2	82	7.3	70	6.9	57	6.8	35	5.7	-5.2
4	87	7.6	70	7.8	55	7.8	31	5.6	-4.4
6	97	7.0	84	7.9	63	8.1	36	6.1	-2.3
8	97	7.6	81	7.9	62	7.5	36	5.1	-2.4
10	99	8.8	77	7.5	59	7.1	34	4.4	5.0
12	108	6.6	82	7.6	66	6.7	41	4.7	12.1
14	97	8.3	80	6.6	64	6.3	42	4.6	19.8
16	147	6.4	81	5.6	60	5.1	37	3.8	21.3
18	115	4.8	97	5.6	75	5.1	47	3.9	28.3
20	109	8.1	98	5.9	83	5.8	51	4.3	22.6
22	123	6.2	97	5.9	76	5.9	49	4.8	23.3
MEAN	104	7.4	82	6.9	65	6.6	40	4.9	9.9

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 6.1989 TMEAM (SEC)	THETA (DEG)
0	86	11.7	77	6.9	59	6.1	36	4.4	13.2
2	82	8.6	73	6.1	58	6.1	36	4.2	19.5
4	93	6.1	74	6.8	59	6.4	37	4.5	18.4
6	84	6.3	73	6.2	60	6.2	39	4.7	13.0
8	98	8.2	77	7.0	58	7.6	36	5.4	8.2
10	88	9.0	71	9.1	53	7.6	32	5.3	7.7
12	73	8.1	61	8.5	50	7.6	30	5.1	5.7
14	102	8.3	76	5.6	60	4.7	38	3.4	15.6
16	179	3.9	120	4.3	92	4.2	58	3.5	23.2
18	185	7.0	132	5.0	104	5.1	65	4.0	22.3
20	295	5.2	150	5.3	117	5.3	73	4.1	22.9
22	205	4.7	156	4.9	120	5.0	74	4.1	25.9
MEAN	131	7.3	95	6.3	74	6.0	46	4.4	16.3

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	DEC. 9.1989 TMEAM (SEC)	THETA (DEG)
0	103	5.4	79	6.3	64	5.8	40	4.8	22.1
2	90	5.8	76	6.1	59	6.1	36	4.8	24.3
4	80	5.5	65	6.4	52	6.3	31	4.4	21.7
6	65	5.7	56	6.1	46	6.1	30	5.1	20.9
8	81	4.6	68	6.1	55	5.7	34	4.3	22.1
10	83	4.3	62	6.0	49	5.7	32	4.4	21.7
12	68	5.4	56	5.8	46	5.9	31	4.8	21.2
14	70	5.9	54	5.8	43	5.5	28	4.5	20.2
16	82	4.6	65	4.4	54	4.1	35	3.3	39.1
18									
20	68	5.3	51	5.5	41	4.6	27	3.6	35.7
22	79	5.2	62	5.2	48	5.4	30	4.3	27.3
MEAN	79	5.2	63	5.8	51	5.6	32	4.4	25.1

DEC.10.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	69	5.8	51	5.6	42	5.8	26	4.4	24.2
2	63	6.1	56	5.6	45	5.8	28	4.5	23.1
4	69	6.3	58	5.4	44	5.4	28	4.3	18.2
6	48	7.1	44	5.8	37	5.8	24	4.5	16.4
8	65	5.0	50	5.9	40	5.8	25	4.4	15.5
10	74	5.6	53	5.8	43	5.8	27	4.5	17.6
12	67	5.4	51	5.6	42	5.9	28	4.8	18.2
14	85	5.9	55	6.6	41	6.3	24	4.6	18.1
16	60	5.8	49	7.0	40	6.8	25	5.1	15.4
18	55	6.9	42	6.6	34	6.1	21	4.1	18.9
20	63	5.9	53	5.2	42	4.8	26	3.4	27.3
22	67	4.6	50	6.3	39	5.6	24	3.9	26.2
MEAN	65	5.9	51	5.9	41	5.8	26	4.4	19.9

DEC.11.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	55	9.3	48	7.0	38	6.3	25	4.4	21.4
2	62	7.0	47	6.5	38	5.9	24	4.5	19.2
4	63	9.8	50	7.4	41	6.9	25	4.8	14.2
6	60	5.9	42	7.3	33	7.4	20	4.7	16.1
8	55	7.4	44	8.6	34	7.2	19	4.6	8.9
10	56	6.6	42	8.4	33	8.0	19	5.3	7.8
12	41	8.1	32	8.8	24	7.5	14	5.1	6.0
14	49	10.4	35	9.4	28	8.8	16	5.5	-2.4
16	55	10.1	39	11.3	31	10.2	19	7.4	0.1
18	51	12.1	41	10.0	31	8.8	19	6.5	4.5
20	37	8.8	32	10.2	27	9.8	16	6.5	3.1
22	40	11.5	30	10.4	20	7.4	11	4.1	6.5
MEAN	52	8.9	40	8.8	32	7.8	19	5.3	8.8

DEC.12.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	41	9.8	31	9.2	23	6.7	13	3.6	-0.1
2	56	6.7	47	5.8	39	5.2	25	3.7	30.4
4	49	8.9	40	6.1	31	5.7	20	4.3	24.9
6									
8	85	4.4	70	5.6	57	5.7	36	4.6	27.6
10	99	5.8	73	5.3	58	5.3	35	4.1	26.8
12	88	6.3	75	5.9	61	5.7	40	4.4	27.4
14	93	5.5	74	5.4	60	5.2	37	3.6	30.3
16	79	3.9	68	5.1	56	5.0	37	3.8	34.6
18	70	4.4	56	6.1	47	5.8	28	3.9	33.5
20	73	4.6	60	4.9	52	5.1	34	4.3	25.8
22	116	4.9	88	4.6	71	4.8	46	3.7	28.4
MEAN	77	5.9	62	5.8	50	5.5	32	4.0	26.3

DEC.13.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	135	5.8	90	4.5	73	4.4	46	3.7	31.5
2	91	4.3	82	4.6	69	5.2	44	4.1	31.0
4	97	6.1	80	6.8	63	6.0	41	4.4	30.4
6	84	5.1	72	6.4	60	5.9	40	4.5	28.9
8	85	9.4	69	7.3	54	6.2	33	4.5	28.0
10	95	7.4	73	8.0	60	6.8	40	4.9	20.0
12	80	6.2	63	6.1	48	5.6	30	4.1	20.8
14	71	10.4	60	8.2	49	6.6	30	4.6	15.6
16	76	7.2	61	8.3	49	7.6	30	5.2	14.7
18	79	8.4	65	8.3	51	7.6	31	5.3	16.9
20	91	7.4	69	7.1	54	6.6	32	4.7	18.2
22	77	7.4	67	6.3	54	5.4	35	4.0	19.5
MEAN	88	7.1	71	6.8	57	6.2	36	4.5	23.0

DEC.14.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	92	5.7	69	5.4	53	5.0	33	3.8	21.9
2	73	4.0	59	5.6	48	5.0	30	3.5	20.8
4	86	8.0	68	7.1	55	6.5	35	4.3	28.0
6	109	6.3	84	6.1	66	5.2	41	3.8	27.3
8	132	5.8	100	4.9	79	4.8	50	3.6	27.7
10	131	5.8	91	5.1	73	4.8	46	3.8	20.9
12	148	5.1	123	5.3	97	5.2	61	4.1	19.0
14									
16	240	6.9	194	7.1	161	7.2	100	5.6	2.6
18	286	9.6	229	8.6	191	7.7	117	6.0	3.0
20	197	6.7	168	6.9	141	6.5	90	5.1	-0.1
22	159	7.6	137	6.0	112	5.6	71	4.6	-2.9
MEAN	150	6.5	120	6.2	98	5.8	61	4.4	15.3

DEC.15.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	4.8	129	5.4	106	5.6	69	4.6	0.6
2	194	6.6	160	7.0	136	7.4	81	5.5	4.2
4	183	5.9	167	8.9	137	8.4	85	6.6	3.3
6	201	6.8	174	8.5	141	8.6	88	7.3	2.6
8	171	8.3	144	7.6	112	7.9	69	6.9	7.6
10	186	10.9	163	8.3	129	8.1	79	6.8	17.5
12	208	8.8	165	7.6	130	7.8	81	6.8	21.9
14	296	12.1	242	10.6	187	8.0	113	7.0	24.1
16	288	9.9	256	9.4	208	8.8	135	6.9	23.1
18	285	11.9	225	9.0	189	8.3	125	7.0	24.6
20	279	8.8	219	9.5	182	8.3	112	6.3	23.7
22	194	5.1	156	6.3	126	5.5	77	5.0	19.8
MEAN	225	8.3	183	8.2	149	7.7	93	6.4	14.4

DEC.16.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	221	12.6	159	7.4	122	5.5	75	5.4	19.5
2	209	4.3	180	9.1	146	7.6	84	6.0	21.0
4	252	4.7	209	7.1	167	6.6	97	5.7	17.0
6	297	5.8	231	10.8	195	9.0	121	7.3	19.6
8	230	8.6	199	7.6	163	7.2	93	6.1	17.4
10	241	3.3	211	5.6	177	6.4	108	5.9	22.2
12	257	10.3	221	11.9	186	9.5	112	6.8	18.8
14									
16									
18	340	5.6	242	8.3	200	8.4	114	6.8	23.1
20	300	6.9	222	10.0	181	8.4	105	6.6	19.8
22	207	12.3	180	11.5	140	8.3	79	5.8	18.6
MEAN	255	7.4	205	8.9	168	7.7	99	6.2	19.7

DEC.17.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	187	11.1	140	6.5	103	5.8	65	5.1	12.4
2	274	15.4	187	10.0	135	6.9	78	5.6	16.7
4	227	16.0	192	9.9	156	7.8	91	6.4	21.0
6	280	6.6	230	10.6	192	8.5	109	6.9	22.9
8	256	8.6	228	9.1	193	8.9	112	7.4	17.1
10	215	9.0	200	11.4	174	9.3	109	7.5	21.5
12	199	12.9	177	8.4	155	7.6	88	6.3	20.3
14	214	12.2	187	10.8	162	8.8	98	6.9	22.0
16	251	13.9	209	10.8	175	8.9	99	6.8	18.4
18	244	10.3	211	10.6	183	10.6	114	7.9	24.5
20	234	3.9	198	10.0	161	7.1	93	6.1	24.0
22	210	6.0	172	7.4	135	6.2	84	5.6	14.0
MEAN	233	10.5	194	9.6	160	8.0	95	6.5	19.6

DEC.18.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	214	8.9	169	11.8	134	8.8	75	6.3	20.3
2	208	15.3	155	11.2	117	7.1	66	5.8	18.9
4	235	9.2	161	7.6	125	5.9	71	5.3	17.9
6	214	8.8	180	8.3	150	6.4	85	6.1	19.0
8	181	4.5	164	5.6	132	5.9	74	5.6	18.6
10	199	11.1	162	7.5	139	6.8	84	5.8	19.2
12	210	9.3	177	7.3	137	6.1	77	5.5	17.8
14	199	9.3	170	7.6	136	6.3	81	5.1	21.7
16	190	8.6	162	7.3	130	6.6	78	5.4	20.1
18	328	10.4	196	11.0	158	8.4	88	5.8	21.0
20	216	7.8	170	6.8	133	6.2	79	5.4	19.8
22	205	8.3	174	9.5	139	8.0	76	5.6	21.1
MEAN	217	9.3	170	8.5	136	6.9	78	5.6	19.6

DEC.19.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	160	5.6	146	5.9	118	5.9	71	5.3	19.5
2	150	4.4	121	6.1	97	5.4	58	4.6	17.7
4	171	5.4	139	5.8	111	5.7	68	4.8	22.8
6	188	10.3	164	8.1	138	7.1	85	5.4	21.2
8	191	11.5	148	7.9	117	6.6	69	4.8	23.1
10	228	13.6	163	6.5	128	5.7	77	5.0	20.1
12	190	8.5	163	7.3	127	5.8	75	5.1	18.8
14	156	4.6	136	6.1	111	5.6	65	4.6	17.8
16	164	3.4	138	5.1	108	5.8	65	4.9	20.6
18	181	3.7	148	5.4	117	5.9	70	5.2	18.0
20	214	5.1	151	8.0	118	6.4	68	5.3	20.3
22	172	4.6	143	5.2	111	5.9	64	5.3	22.2
MEAN	180	6.7	147	6.4	117	6.0	70	5.0	20.2

DEC.20.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	152	3.8	123	5.0	98	5.8	61	5.0	21.5
2	154	3.6	122	4.9	97	5.1	59	4.9	21.4
4	153	10.0	126	6.3	98	5.8	58	5.0	14.3
6	185	4.6	135	6.3	108	6.0	63	5.7	17.4
8	214	4.4	166	4.7	112	6.4	63	6.3	16.5
10	178	5.4	131	5.6	93	6.3	54	5.7	13.8
12	184	4.1	131	4.6	100	6.4	57	6.3	16.4
14	186	4.3	123	4.6	87	6.8	50	6.4	15.3
16	148	4.3	118	5.6	83	6.6	49	6.6	16.3
18	103	4.8	84	4.8	61	6.5	33	4.9	12.7
20	137	4.6	94	5.0	67	6.1	39	4.8	13.9
22	117	4.5	90	5.9	67	5.8	40	4.1	23.7
MEAN	159	4.9	120	5.3	89	6.1	52	5.5	16.9

DEC.21.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	121	4.4	97	5.3	75	5.6	47	4.3	22.0
2	144	4.4	109	6.2	84	5.9	51	4.6	21.8
4	124	5.2	106	5.2	85	6.0	52	4.5	24.5
6	137	4.8	118	5.8	93	5.8	57	4.8	21.9
8	148	7.8	121	5.9	96	6.1	58	5.1	22.2
10	158	5.3	129	5.2	101	6.3	60	5.1	21.6
12	175	4.5	128	5.6	95	6.6	55	5.2	18.7
14	197	4.3	122	6.4	88	6.8	54	5.6	15.8
16	116	4.6	92	6.1	73	6.4	44	5.0	15.6
18	123	5.0	99	6.2	80	6.1	48	4.9	13.7
20	113	6.8	85	7.1	67	6.5	44	5.3	10.9
22	101	4.8	88	5.8	69	5.6	44	4.8	16.3
MEAN	138	5.2	108	5.9	84	6.1	51	4.9	18.7

DEC.22.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	124	7.3	107	6.8	84	6.1	53	4.6	16.3
2	118	5.1	96	6.0	72	6.3	45	4.8	16.8
4	146	6.6	119	5.3	88	6.1	55	5.0	15.0
6	156	4.9	118	5.3	89	6.1	54	5.2	13.9
8	201	4.4	146	5.6	106	5.8	61	5.5	18.9
10	237	5.0	187	7.4	134	6.6	70	5.4	21.8
12	200	10.4	167	7.9	127	6.1	71	5.4	19.0
14	248	9.0	173	6.1	142	6.1	80	5.5	16.9
16	191	15.3	165	8.7	138	7.1	79	6.1	25.4
18	174	4.2	141	6.1	110	5.4	60	5.0	22.4
20	160	3.1	141	5.3	114	5.1	67	5.4	18.5
22	175	8.4	159	9.6	131	7.3	73	6.0	16.6
MEAN	178	7.0	143	6.7	111	6.2	64	5.3	18.5

DEC.23.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	198	8.3	162	5.4	131	5.4	72	5.4	17.3
2	195	9.3	177	8.6	140	6.4	74	5.6	17.0
4	205	7.5	163	7.6	128	7.0	69	6.0	14.2
6	227	12.6	179	8.0	145	6.8	79	5.8	18.6
8	229	4.3	179	5.9	135	6.0	73	5.3	14.7
10	238	5.9	201	7.8	147	6.1	82	5.4	17.9
12	372	4.9	198	7.1	145	5.9	78	5.3	18.3
14	203	9.0	172	7.5	140	6.8	88	5.6	20.8
16	175	5.2	155	8.4	129	6.6	77	5.1	23.5
18	179	7.8	142	8.3	113	6.6	68	5.1	21.5
20	150	4.9	127	7.7	105	5.6	65	4.6	24.0
22	181	5.9	134	5.8	110	5.5	68	4.6	21.1
MEAN	213	7.1	166	7.3	131	6.2	74	5.3	19.1

DEC.24.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	180	4.9	146	7.3	119	5.9	72	4.5	20.4
2	215	6.4	171	5.4	136	5.3	80	4.7	18.1
4	197	9.9	156	6.6	123	5.6	73	4.8	17.1
6	309	3.3	156	4.8	121	5.3	72	4.5	17.3
8	204	4.4	160	5.7	127	5.4	72	4.6	15.9
10	192	4.2	152	6.6	123	6.1	74	4.8	16.0
12	204	6.4	141	4.8	109	5.1	65	4.3	19.3
14	171	3.8	142	5.9	110	5.6	65	4.3	14.2
16	153	9.1	129	5.8	105	5.4	62	4.4	10.4
18	157	4.0	124	4.8	99	4.4	61	4.1	13.4
20	131	3.2	112	3.9	93	4.3	57	4.0	11.9
22	170	4.5	126	4.4	102	4.4	64	3.9	11.3
MEAN	190	5.3	143	5.5	114	5.2	68	4.4	15.4

DEC.25.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	186	6.6	147	4.9	121	4.8	75	4.1	10.6
2	332	5.1	193	6.4	153	5.8	94	4.8	9.5
4	191	7.6	159	6.0	136	5.7	85	4.7	8.3
6	226	8.3	165	6.4	140	5.8	85	4.6	4.8
8	212	7.3	177	6.9	141	6.5	87	5.0	0.7
10	191	7.4	167	6.9	141	6.1	91	4.9	7.6
12	221	6.3	175	7.6	147	6.6	94	5.4	5.3
14	285	5.5	189	5.9	151	6.4	95	5.0	12.0
16	230	6.4	165	6.1	138	6.3	86	4.9	6.9
18	163	6.4	136	6.0	106	4.9	63	4.0	7.5
20	148	3.9	119	6.1	93	4.9	58	4.1	6.1
22	158	2.9	119	5.0	93	4.8	59	4.2	7.6
MEAN	212	6.1	159	6.2	130	5.7	81	4.6	7.2

DEC.26.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	189	9.6	146	6.5	121	5.8	76	4.9	3.0
2	199	9.4	178	7.8	147	6.7	90	5.4	-0.2
4	215	7.6	183	7.8	152	7.1	94	5.4	9.9
6	243	2.6	173	6.8	142	6.1	86	4.9	4.0
8	190	9.8	161	6.9	139	6.6	85	5.5	2.4
10	220	13.6	176	8.3	149	7.0	93	5.8	1.2
12	213	12.3	170	7.9	142	6.6	87	5.4	5.4
14	216	7.2	189	7.8	159	7.4	92	5.5	6.3
16	305	3.1	187	6.8	146	6.6	88	5.1	7.1
18	186	3.9	138	6.6	115	5.5	71	4.6	9.4
20	156	3.8	114	4.8	85	4.6	52	4.0	9.7
22	147	5.1	106	4.8	83	4.9	53	4.4	6.1
MEAN	207	7.3	160	6.9	132	6.2	81	5.1	5.4

DEC.27.1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0	172	4.4	144	6.1	117	5.3	71	4.7	6.5
2	190	7.3	156	5.6	128	5.3	79	4.6	3.6
4	227	13.5	199	9.0	165	6.9	105	5.8	10.5
6	228	11.0	193	7.6	161	6.8	100	5.8	4.2
8	210	8.0	186	8.4	156	6.8	96	5.6	3.2
10	216	11.3	190	8.8	161	7.6	99	5.5	2.4
12	229	5.8	200	7.1	164	7.5	92	5.6	6.5
14	283	7.1	196	6.5	168	6.5	97	5.6	13.4
16	244	11.9	179	7.8	151	7.2	89	5.7	9.5
18	178	4.5	156	5.8	132	5.3	80	4.9	9.8
20									
22									
MEAN	218	8.5	180	7.3	150	6.5	91	5.4	7.0

DEC.28,1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.29,1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.30,1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

DEC.31,1989

TIME (HR)	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAM (SEC)	THETA (DEG)
0									
2									
4									
6									
8									
10									
12									
14									
16									
18									
20									
22									
MEAN									

4. CONCLUSIONS

This report summarizes parts of the results of the field observations having been conducted once a year at Ajigaura Beach over 15 years since 1975. Since the objective of this report is to preserve the various field data for the further studies, the raw data themselves were recorded in an original form in order to satisfy such a condition.

SUMMARIZED DATA OF BEACH PROFILES AND WAVE OBSERVATIONS AT AJIGAURA BEACH (2)

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September, 1990

Takaaki Uda, Hiroyuki Ito, Tomonobu Saito

Synopsis:

Field observations on littoral drift have been conducted once a week since June 26, 1975 at Ajigaura Beach in Ibaraki Prefecture by using an observation pier. This is a second report of these field observations between 1985 and 1989. The first report (Tech. Memo, No.2294) was published in 1986, including the field data obtained until the end of 1984. The kinds of field data included in the present report are ① results of the bottom soundings along the pier and in the traverse direction to the pier, ② wave directions observed from on top of the sand dune, ③ wave characteristics, and ④ longshore current velocity. Raw data of the various observations are summarized in tables so as to be useful for further studies, and beach profiles along the pier are drawn in figures.

Key Words: FIELD OBSERVATION, LITTORAL DRIFT, AJIGAURA BEACH, DATA SUMMARY

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建設省土木研究所河川部海岸研究室
〒305 茨城県つくば市大字旭1番地

Phone 0298-64-2211
Coastal Engineering Division, River Department
Public Works Research Institute,
Ministry of Construction, Government of Japan
Asahi 1-banchi, Tsukuba-shi,
Ibaraki-ken 305,
JAPAN

No.

No.

配布先住所 ○

配布先氏名

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