

SUMMARIZED DATA OF BEACH PROFILES AND WAVE OBSERVATIONS AT AJIGAURA BEACH

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River Department
Public Works Research Institute
Ministry of Construction**

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**SUMMARIZED DATA OF BEACH PROFILES AND WAVE
OBSERVATIONS AT AJIGAURA BEACH**

by

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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 preliminary report of these field observations. The kinds of field data included in the report are ①results of the bottom soundings along the pier and in the transverse direction to the pier, ②wave directions observed from on top of the sand dune, and ③data of wave observations. 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,FIELD DATA

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Photo. 1 Oblique picture of Ajigaura Beach. It was taken from north of the Ajigaura Pier as looking south.



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.

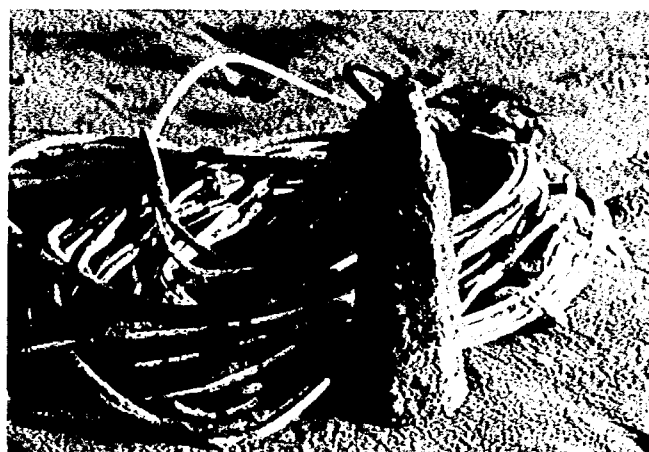


Photo. 2 Tool used in the sounding from the pier. The lead weighs about 5 kg.



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

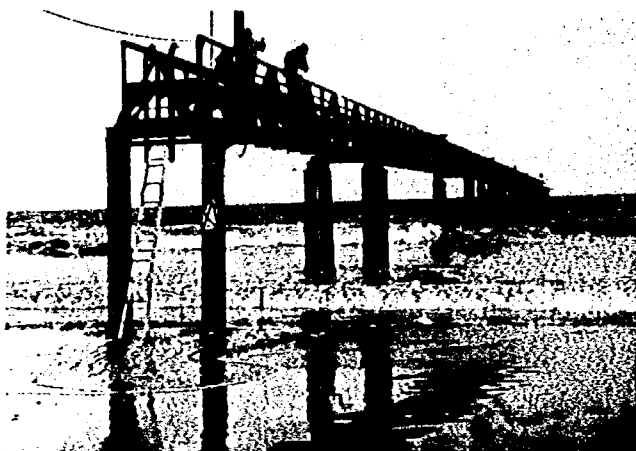


Photo. 5 A situation of the sounding from the pier near the shoreline.

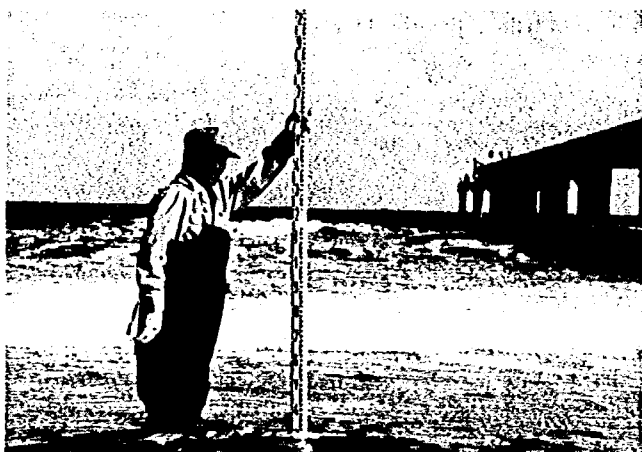


Photo. 6 Beach survey in the traverse direction to the pier. The survey was carried out by using a staff and a level.



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



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. 9 Dredger to sample the bed material.



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 preliminary report of these field observations. The kinds of field data included in the 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, and ③ data of wave observations. 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. Regarding the wave directions and the shore-line position at the location of the pier, time changes of those variables are figured in order to know the long-term changes. Besides the field observations being carried out once a week at Ajigaura Beach, soundings both in the nearshore and offshore zones have been conducted almost once a year since 1976. The contour maps obtained by these soundings are shown in figures.

1. AIM OF FIELD OBSERVATION

In recent years beach erosion problems can be found extensively 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. Besides, the similarity law is not established on the mechanism of littoral drift, and therefore the experimental study using a wave tank is rather restricted and it is important to observe the actual phenomena in the field coast. We built a field facility at Ajigaura Beach in Ibaraki Prefecture and the field observations have been carried out in order to study the long-term change of wave, current and beach changes.

2. METHOD OF FIELD OBSERVATION

Field observations were conducted at Ajigaura Beach in Ibaraki Prefecture as shown in Fig. 1. The coast is facing to the Pacific Ocean and is located at the south end of the long sandy beach of about 10 km long. A 200-meter-long observation pier was built by Public Works Research Institute in 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 from north of the Ajigaura Pier as looking south. 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 bed 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 Fig. 2. Initially a 100-meter-long pier was built in July, 1972. Then it had been elongated about 100-meters-long in the offshore direction until January, 1976. Therefore bed elevations were measured at 33 stations along the pier before 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 2 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 December 12, 1985. It is known that the piles at the end of the pier are being washed by waves since the foreshore beach was eroded due to high waves in winter. In summer the berm develops here.

(2) Survey on the beach along the pier axis

Elevations were measured at 16 stations of 3 meter intervals along the pier axis by the usual survey method. Locations of station No. 1 through No. 16 are shown in Fig. 2. Both data were 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 in both sides of the pier for 100 meters as shown in Fig. 2, and the interval of the stations is 10 meters. Photo. 6 shows a situation of the beach survey at 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 levelly to the alidade, and then the direction of the thread from north is read when the thread and 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 know 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 mainly aims at the arrangement of the beach profile data in 8 subjects as described above. Here the data obtained until the end of 1984 are reported, although various data have been gathering to the present. In addition, the soundings in the offshore zone have been conducted once or twice a year at Ajigaura Beach, and the contour maps obtained by these soundings are shown together.

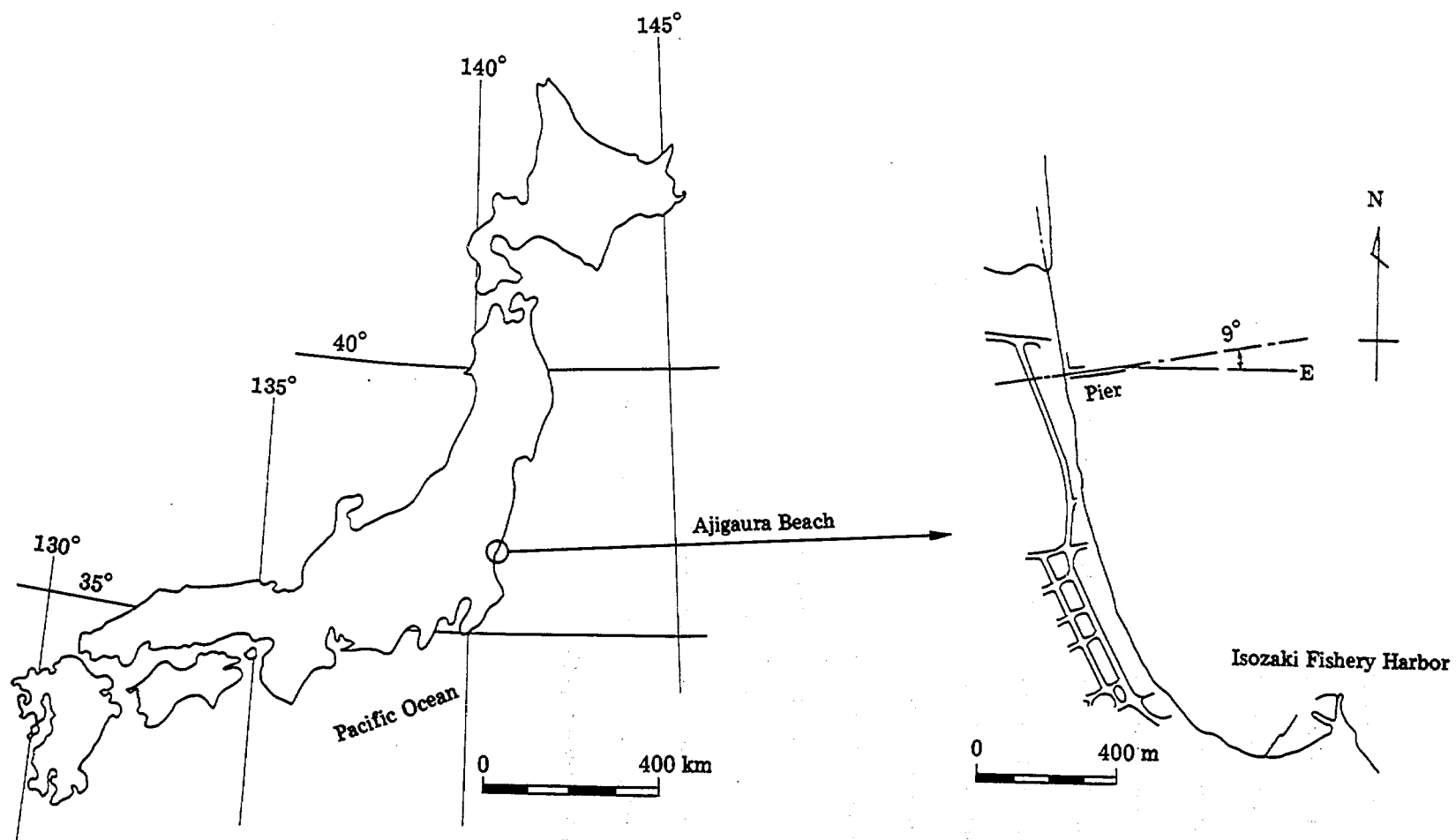


Fig. 1 Location of Ajigaura Beach

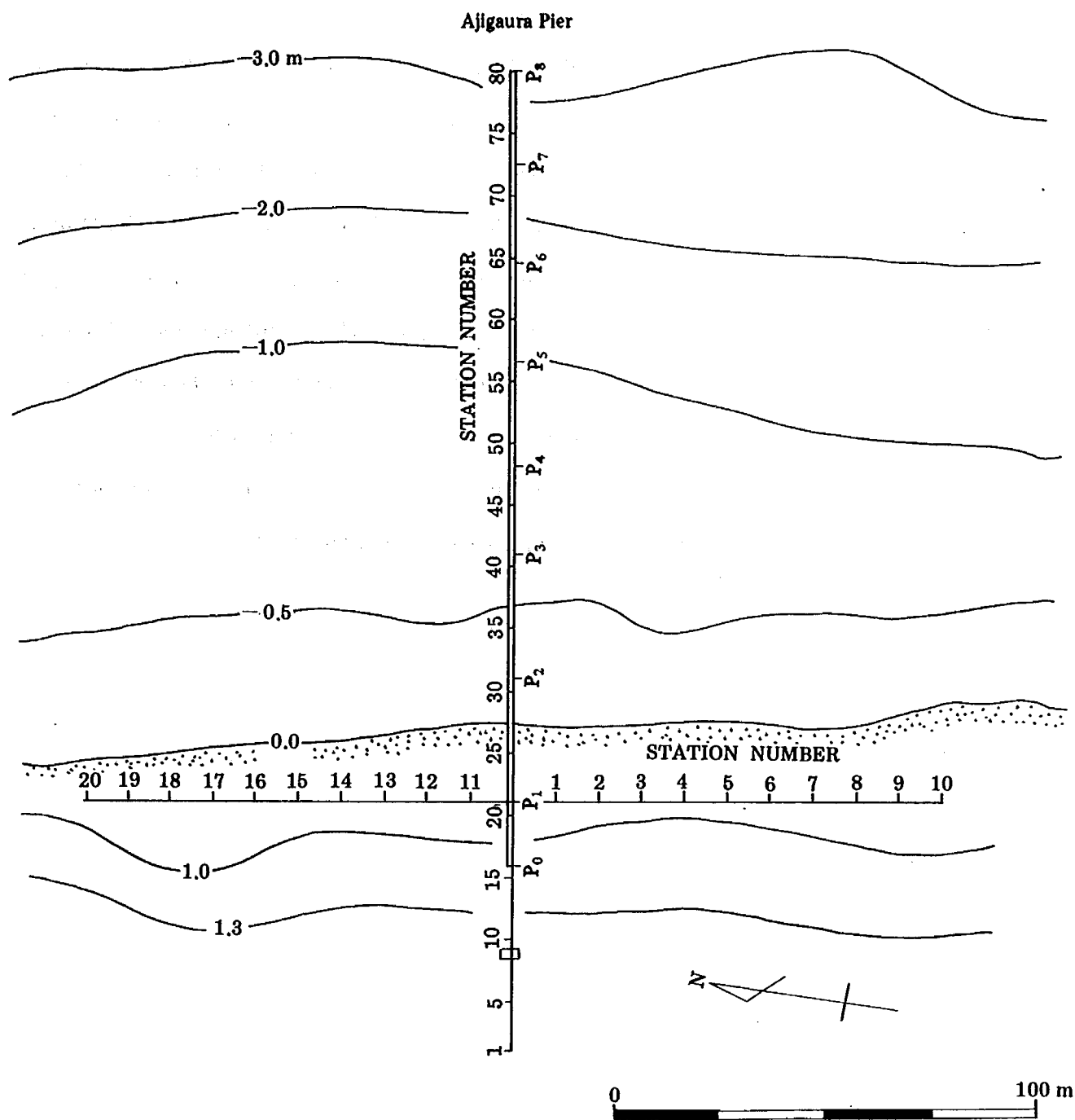


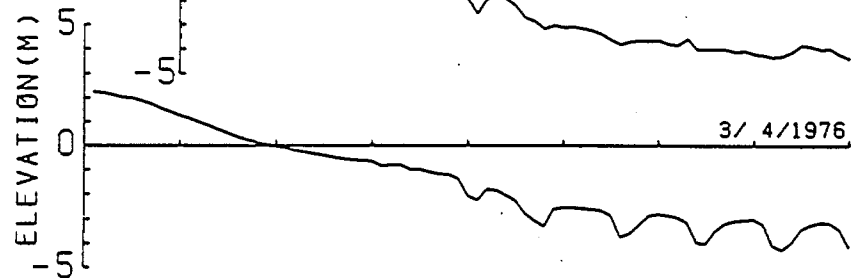
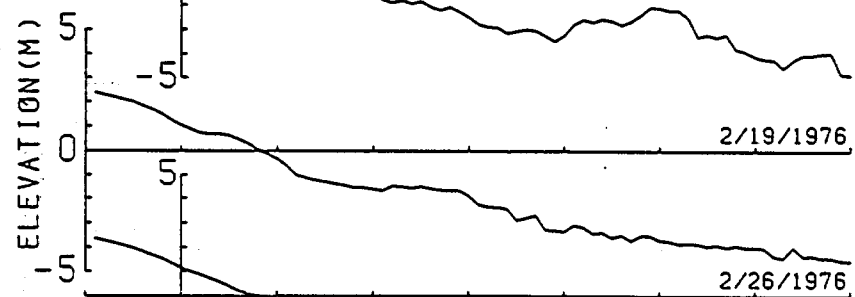
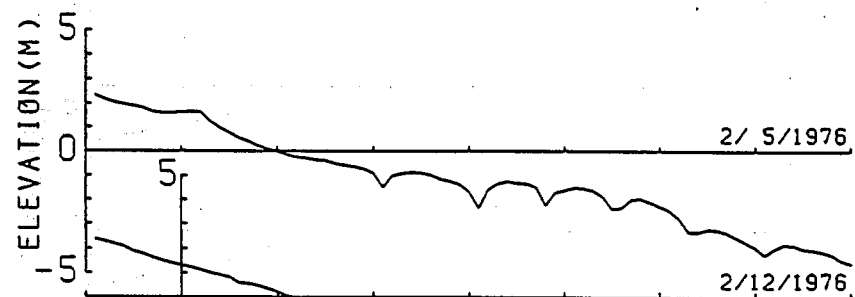
Fig. 2 Location of the pier and the survey lines

3. RESULTS OF FIELD OBSERVATION

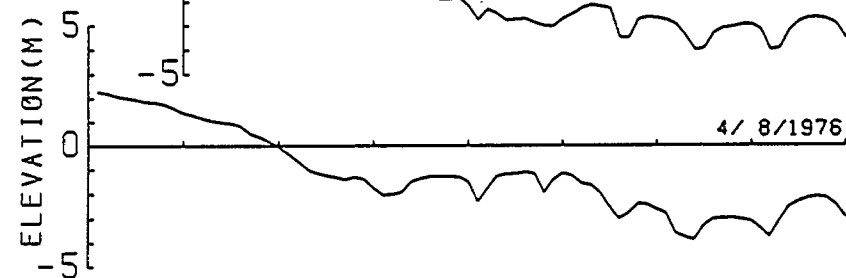
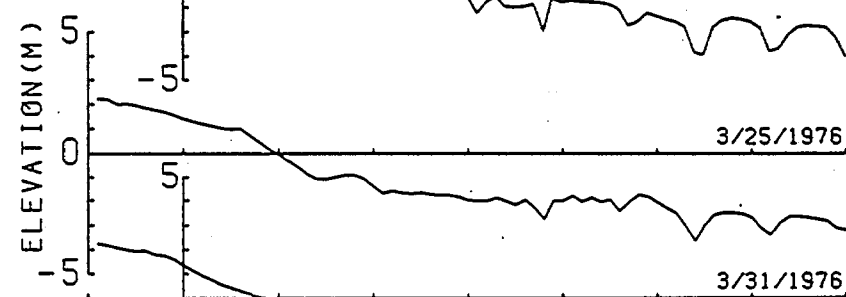
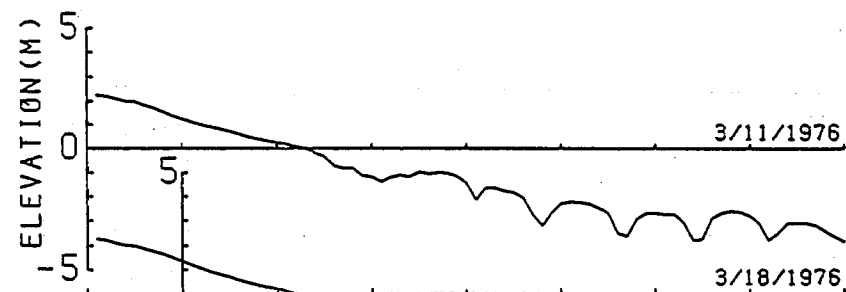
3.1 Beach Profiles

In the following pages all beach profiles obtained between February 5, 1976 and December 27, 1984 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 data of the observation of the beach profile having been conducted once a week is written at the righthand side of the table. Months are written by the numbers of 1 through 12 instead of January through December. Wedge-typed shapes found in profiles express the scouring of 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. In drawing the figures, the profiles obtained before February 5, 1976 are omitted, because the region of the measurement is only 150 meters and does not have sufficient length to compare with the profiles obtained after February 5, 1976.

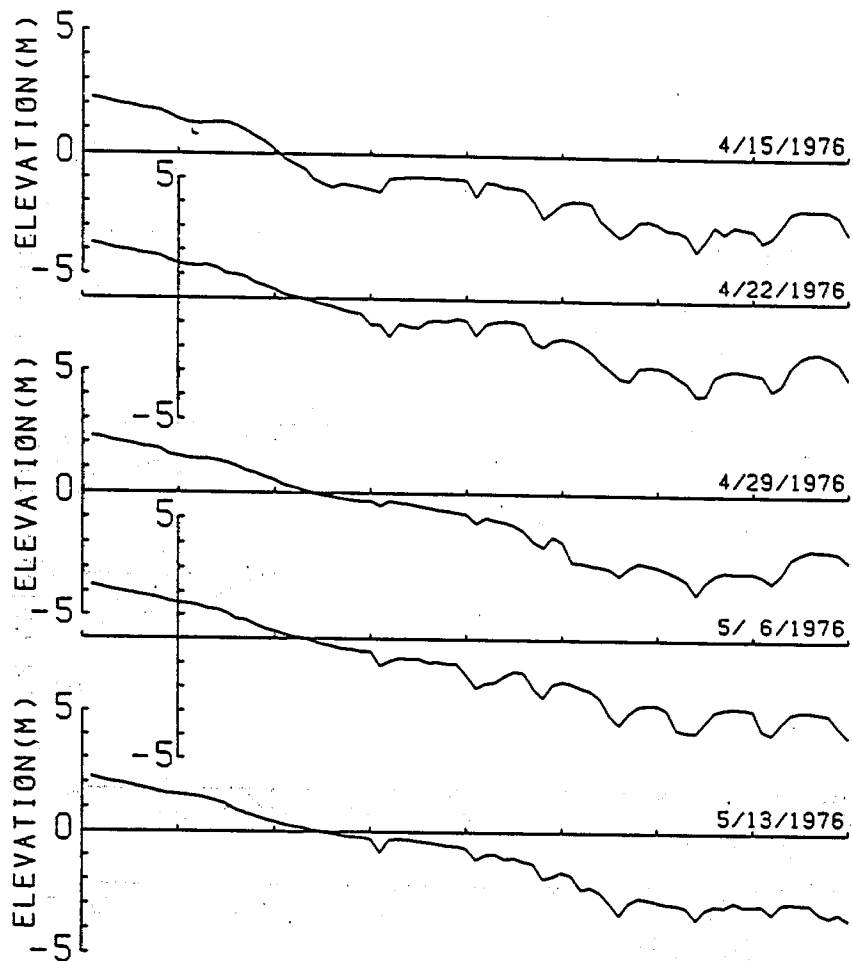
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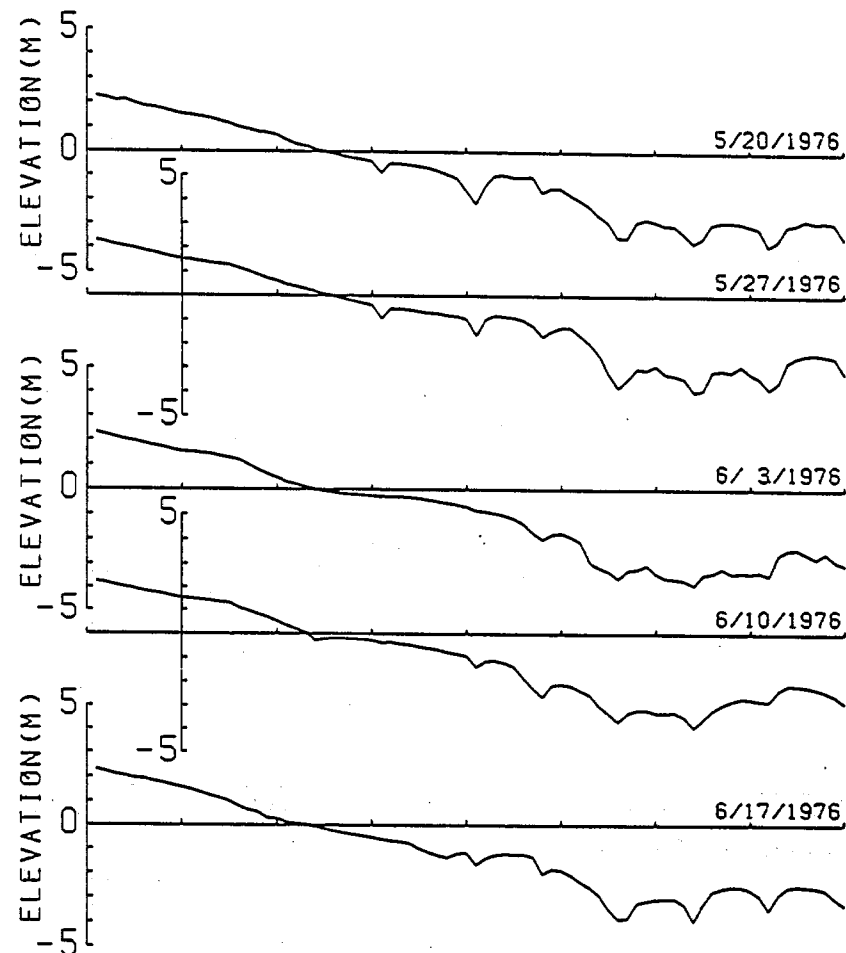
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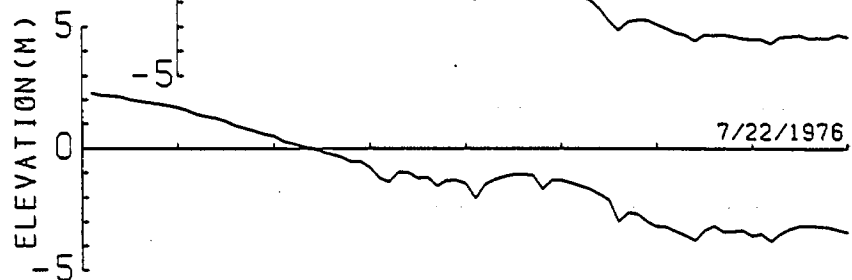
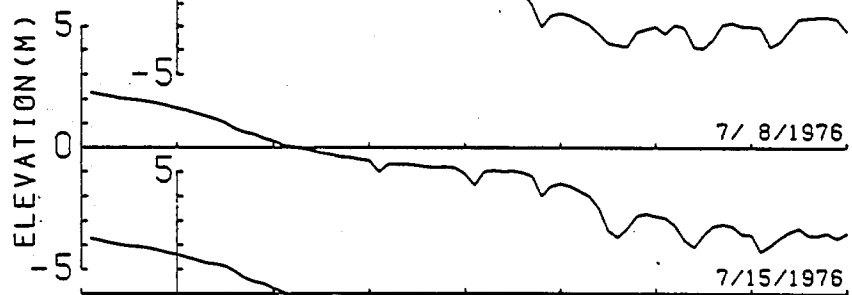
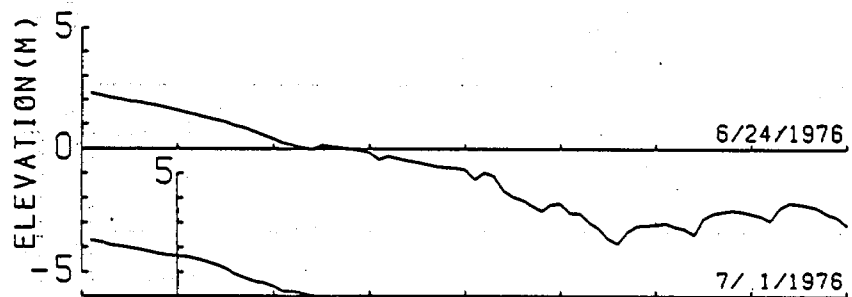
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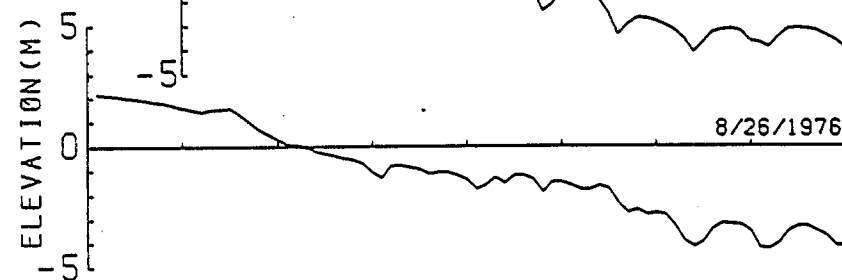
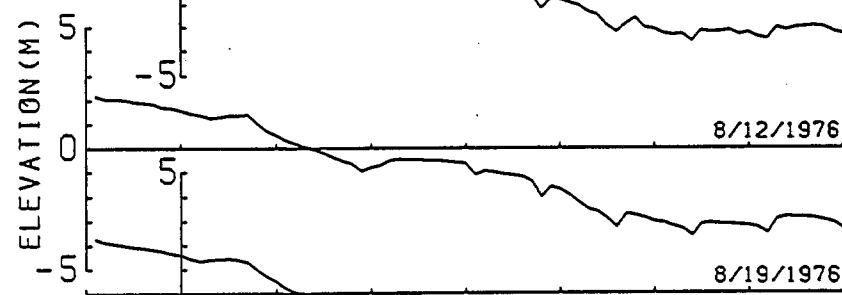
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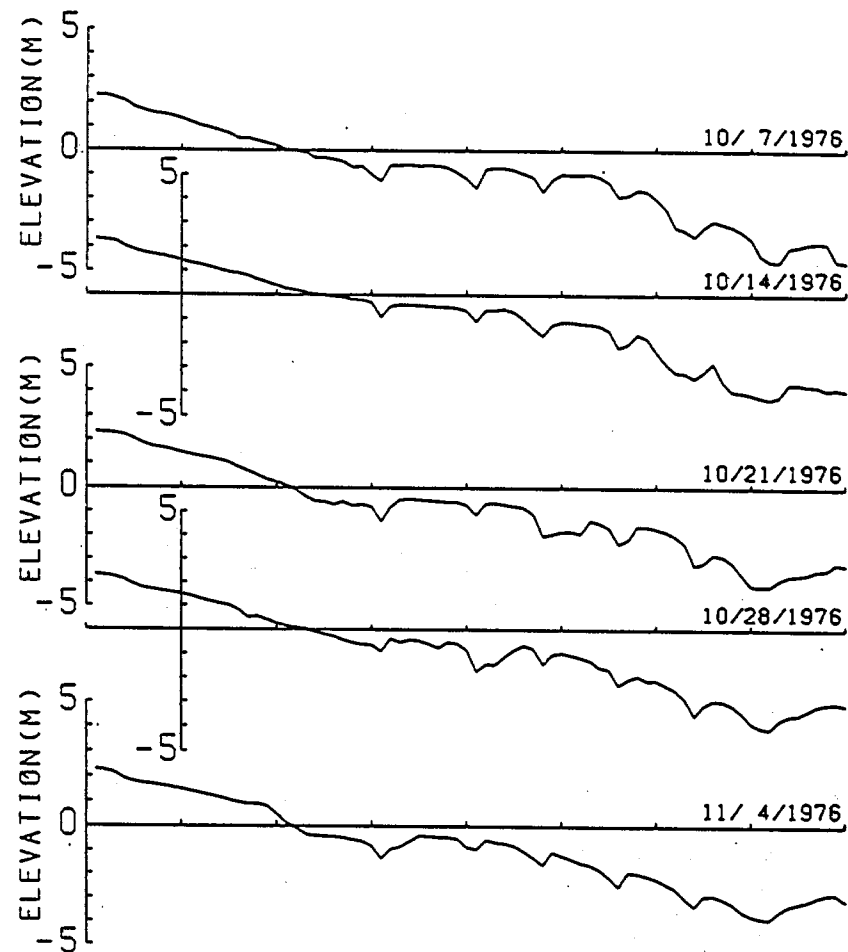
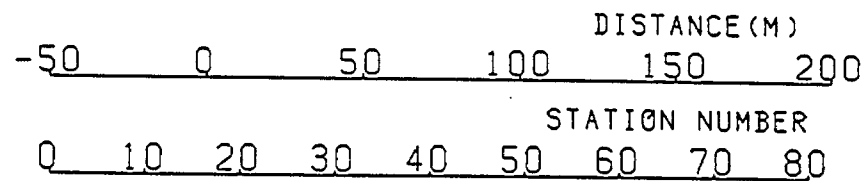
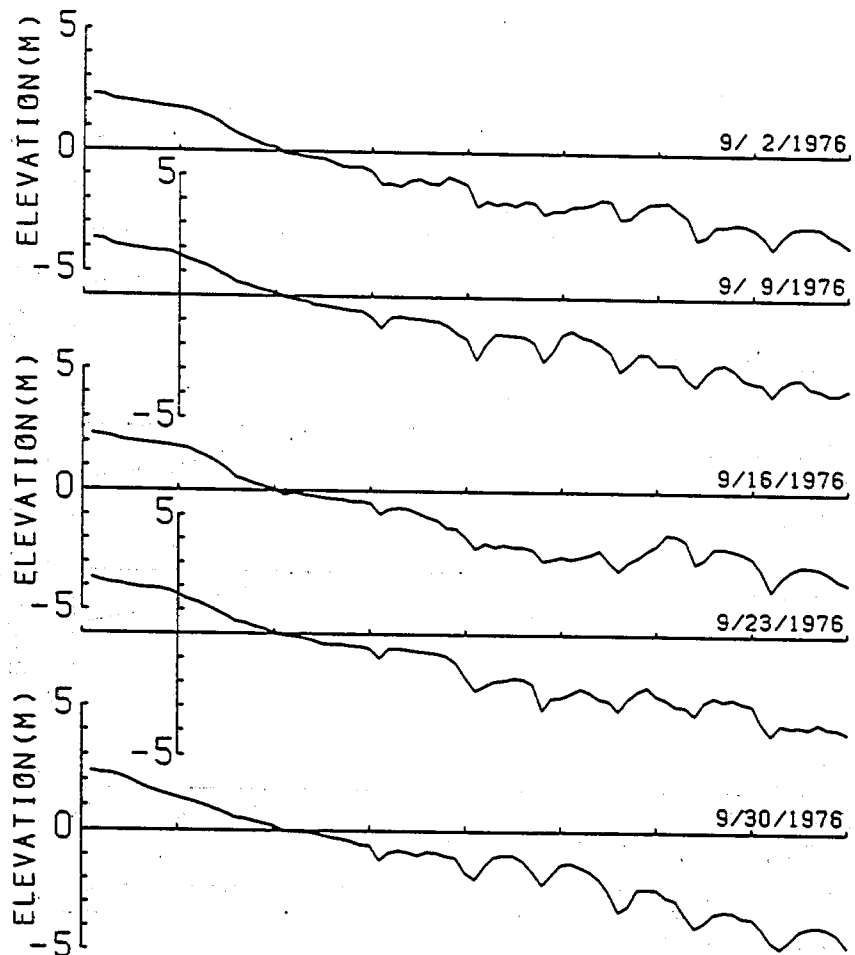
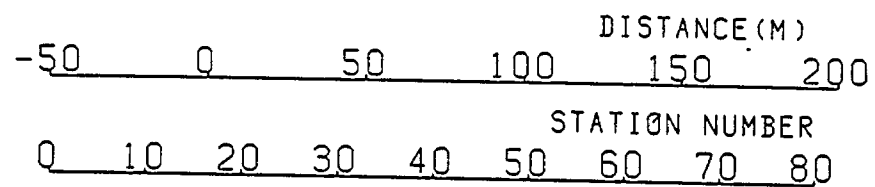


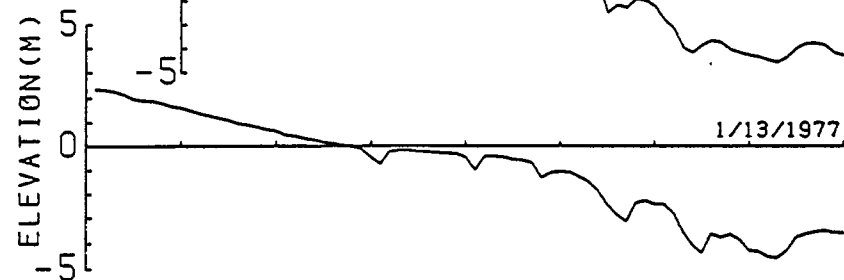
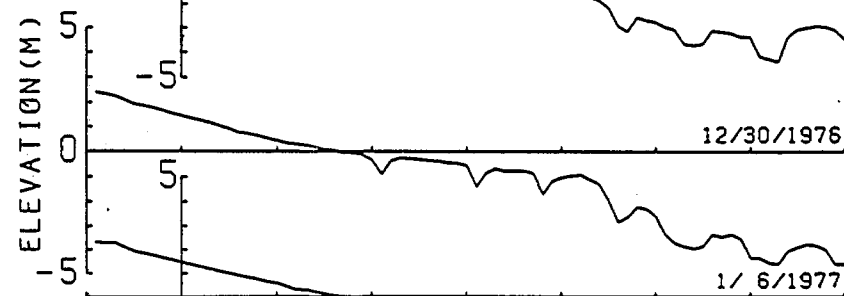
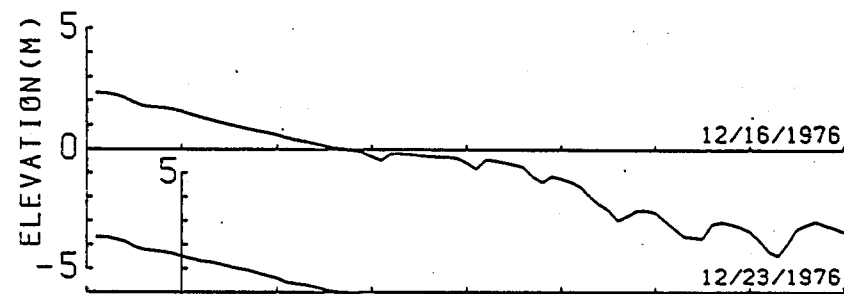
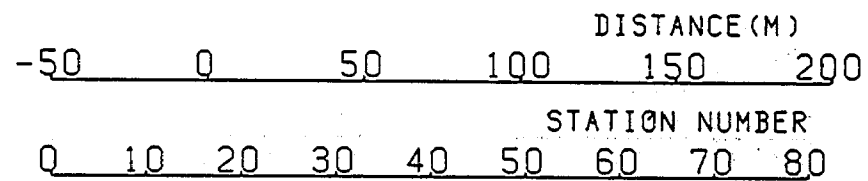
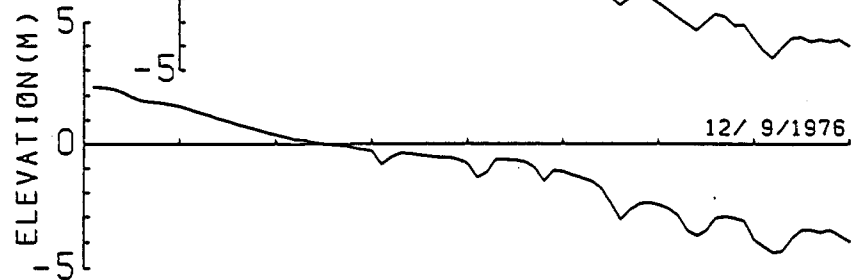
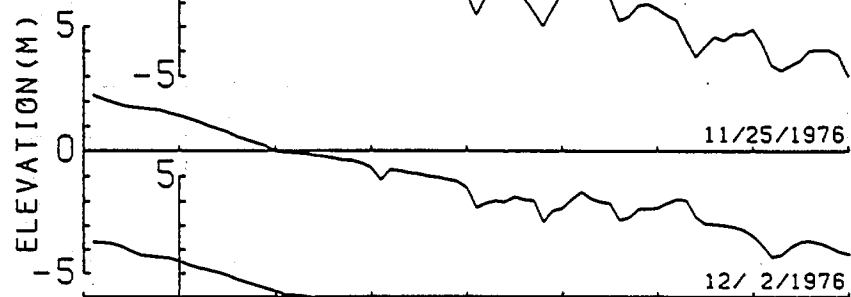
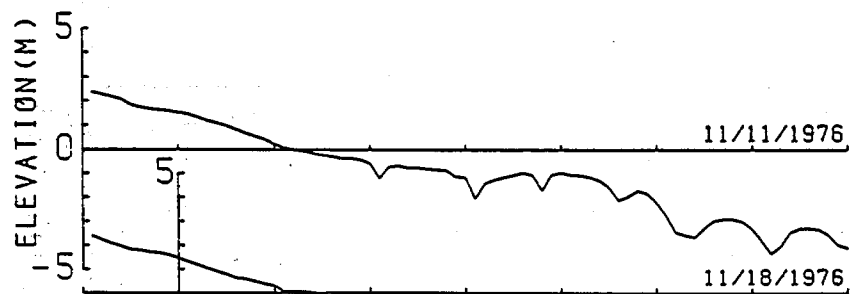
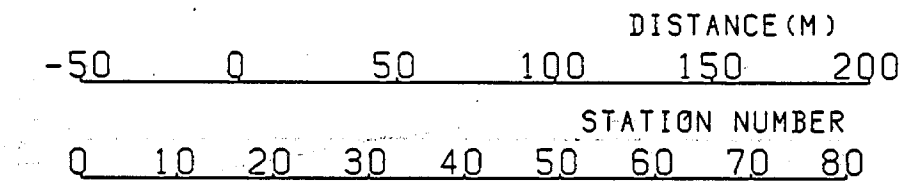
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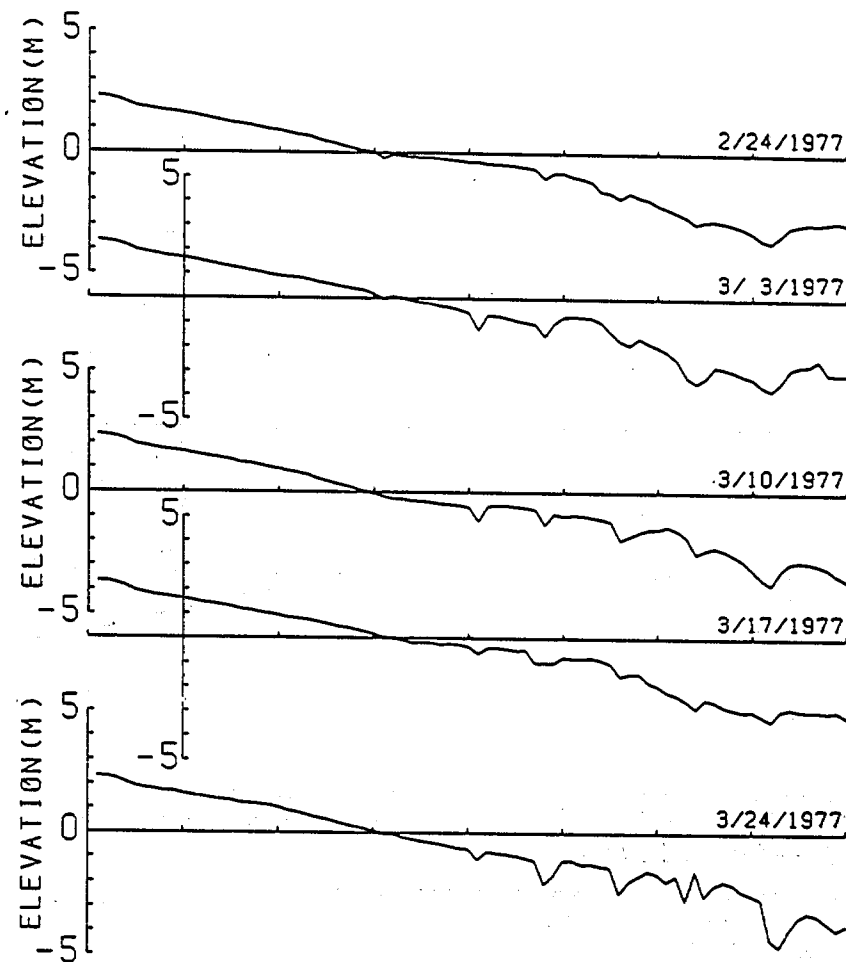
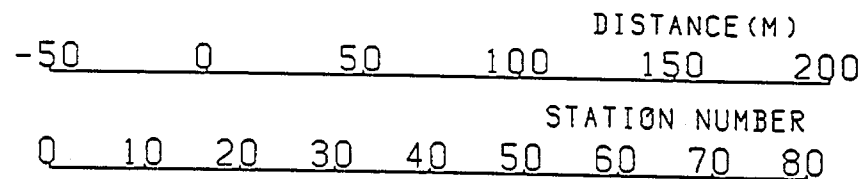
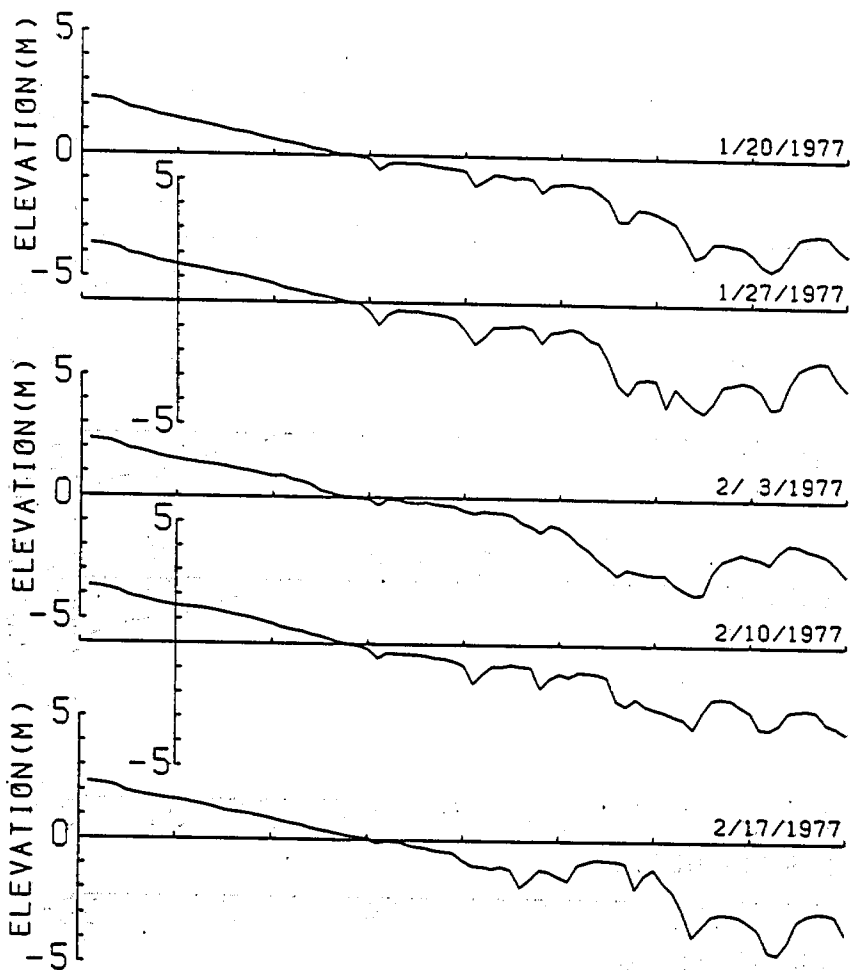
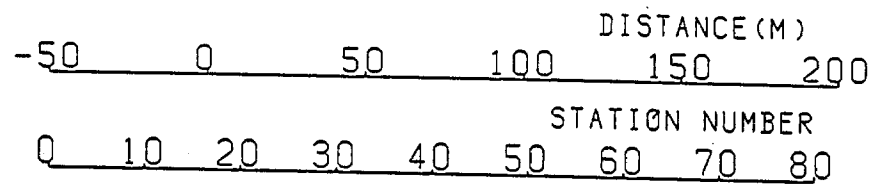


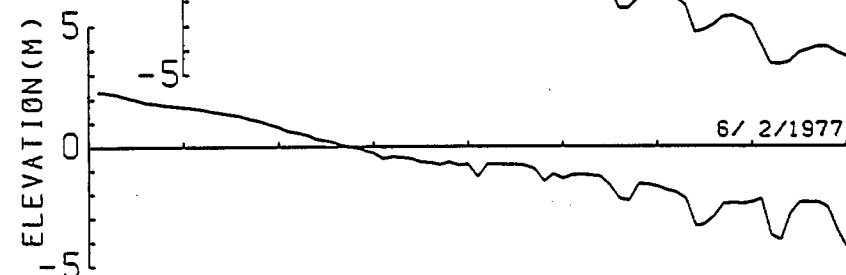
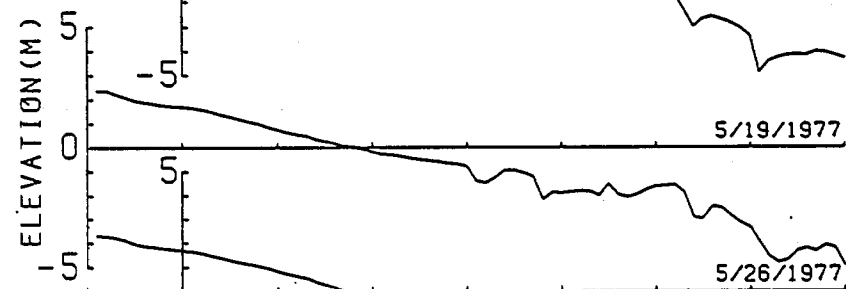
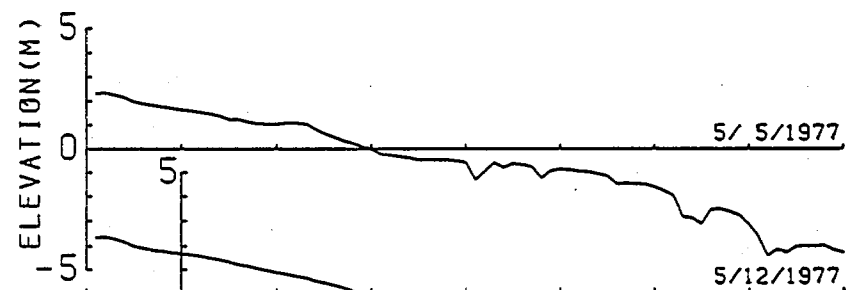
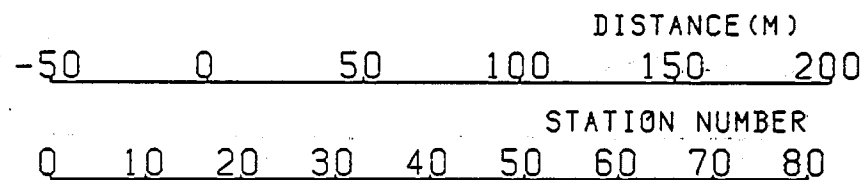
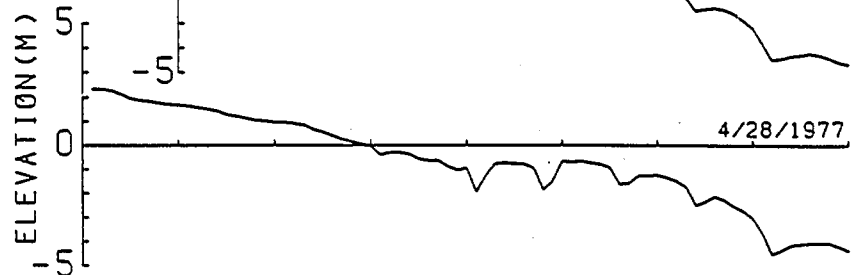
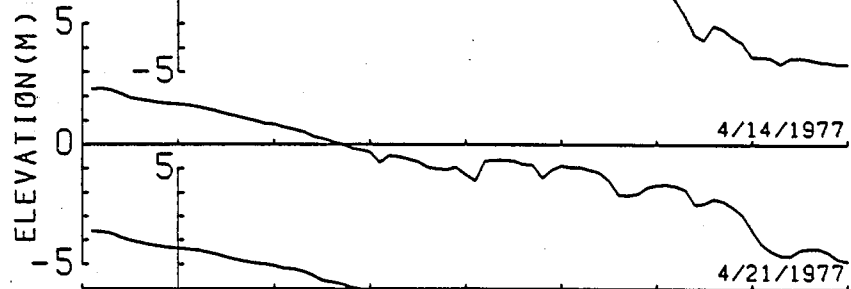
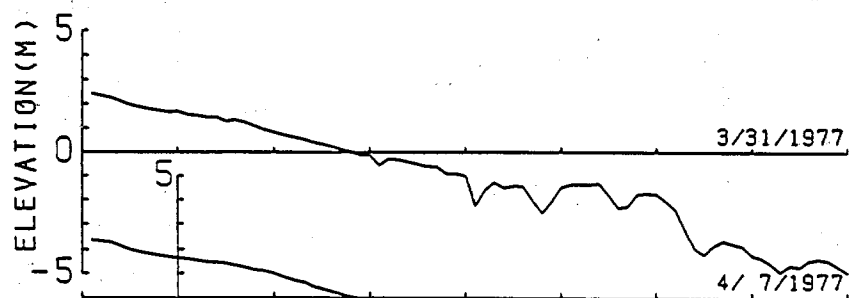
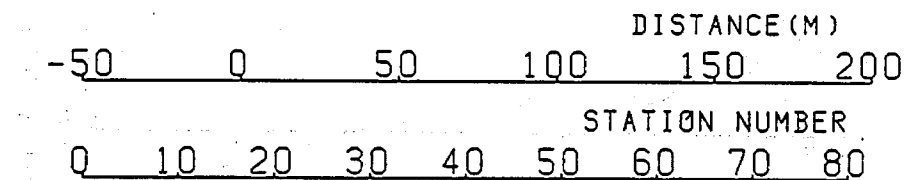
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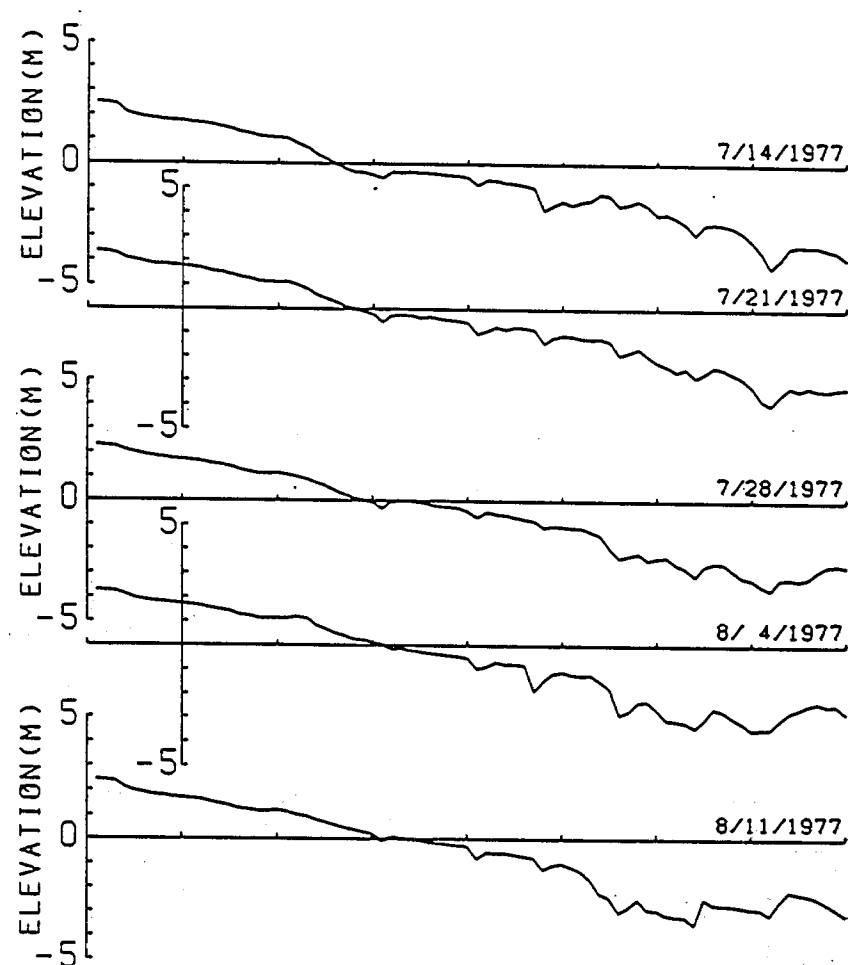
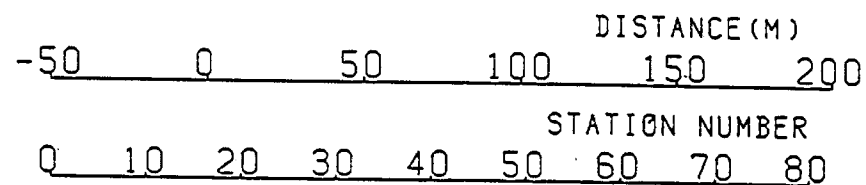
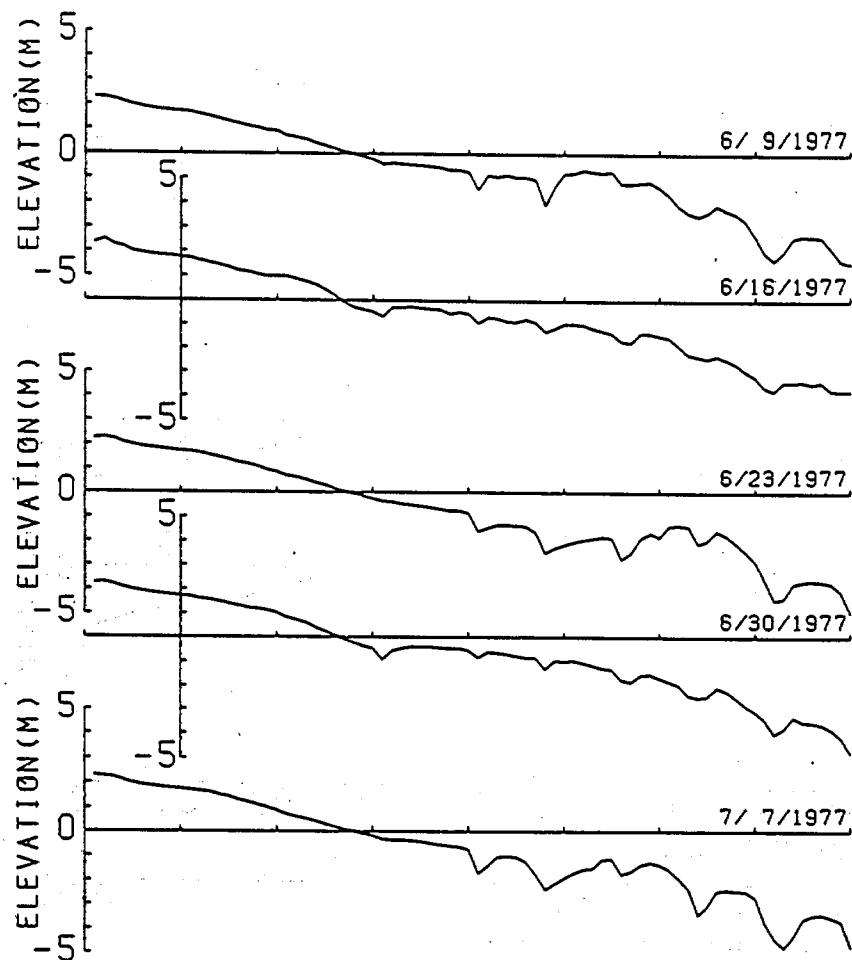
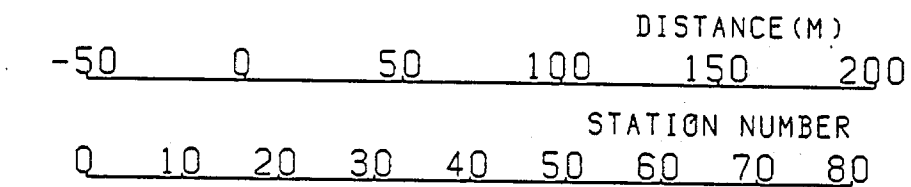


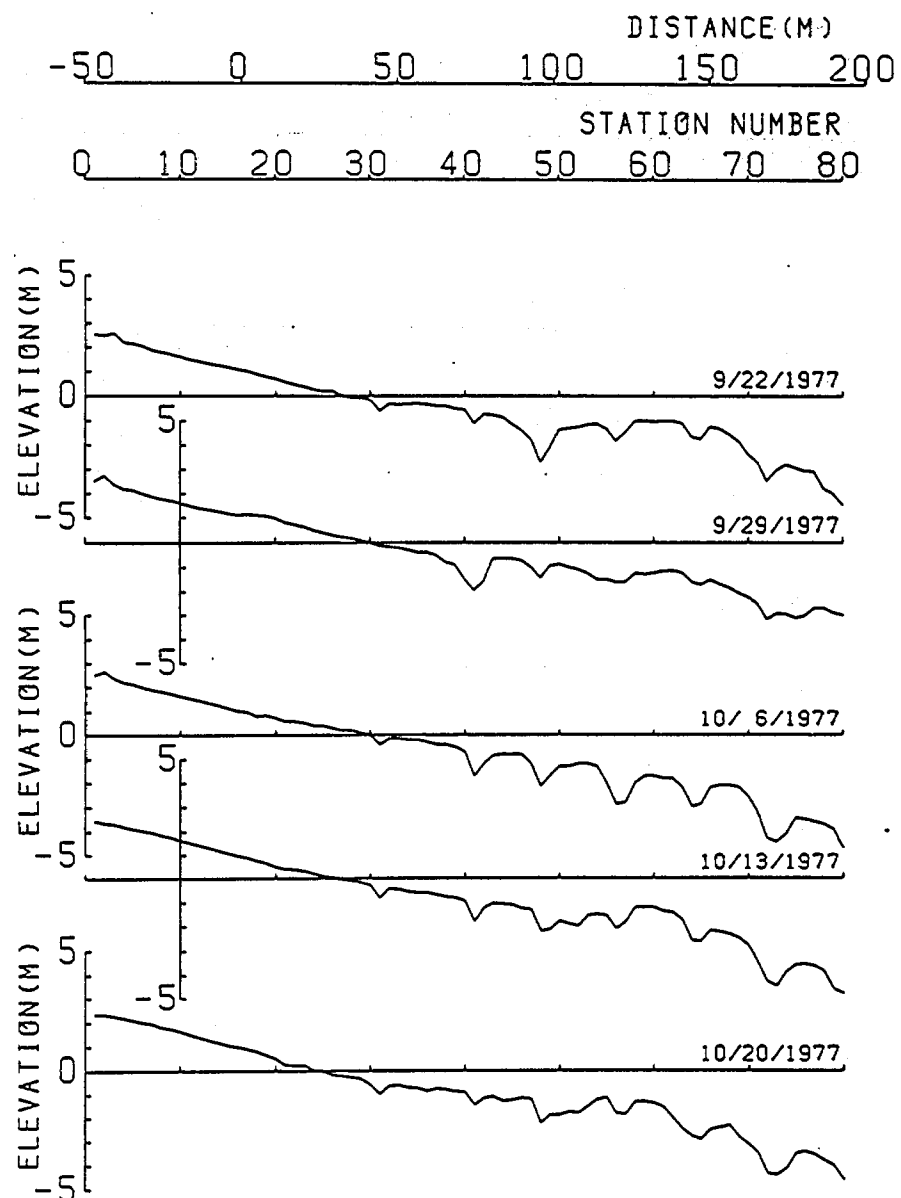
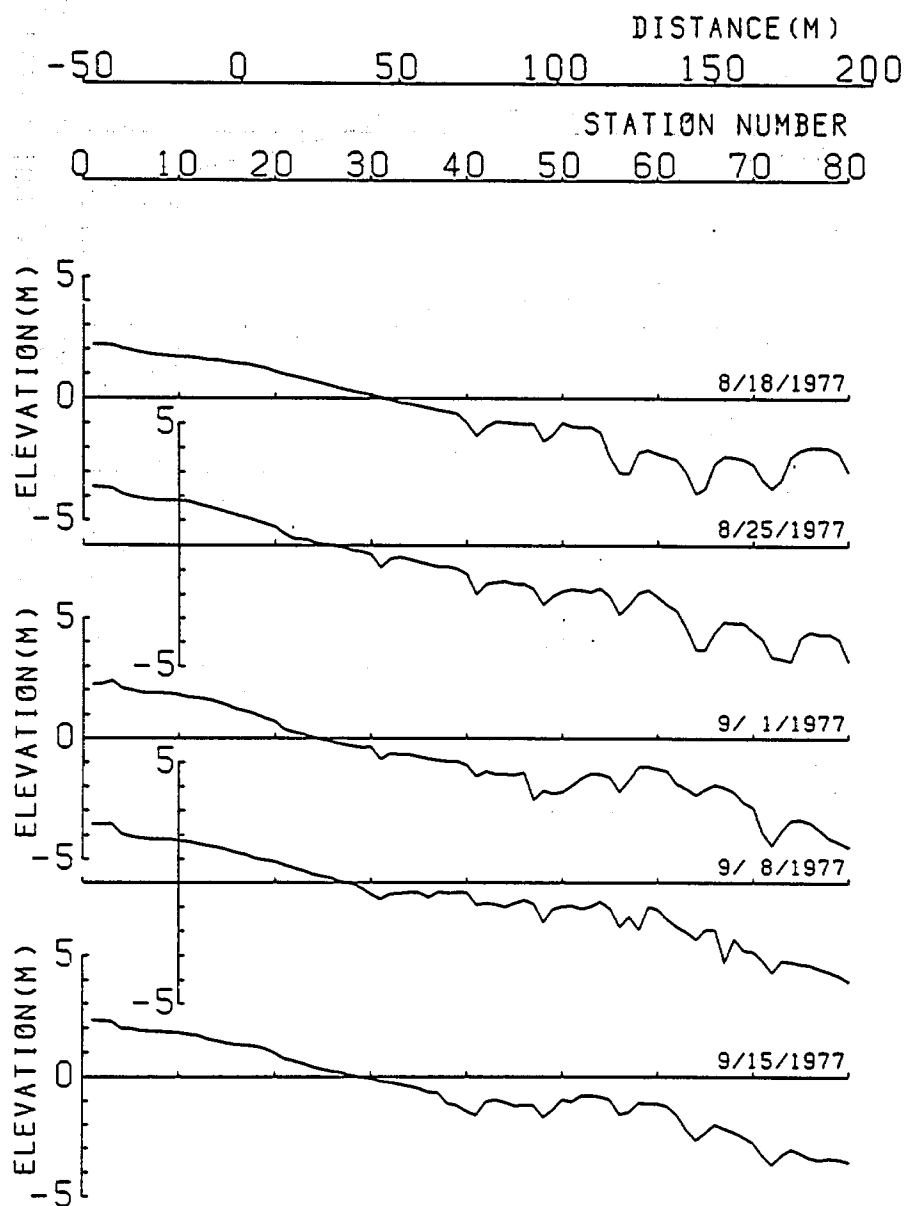


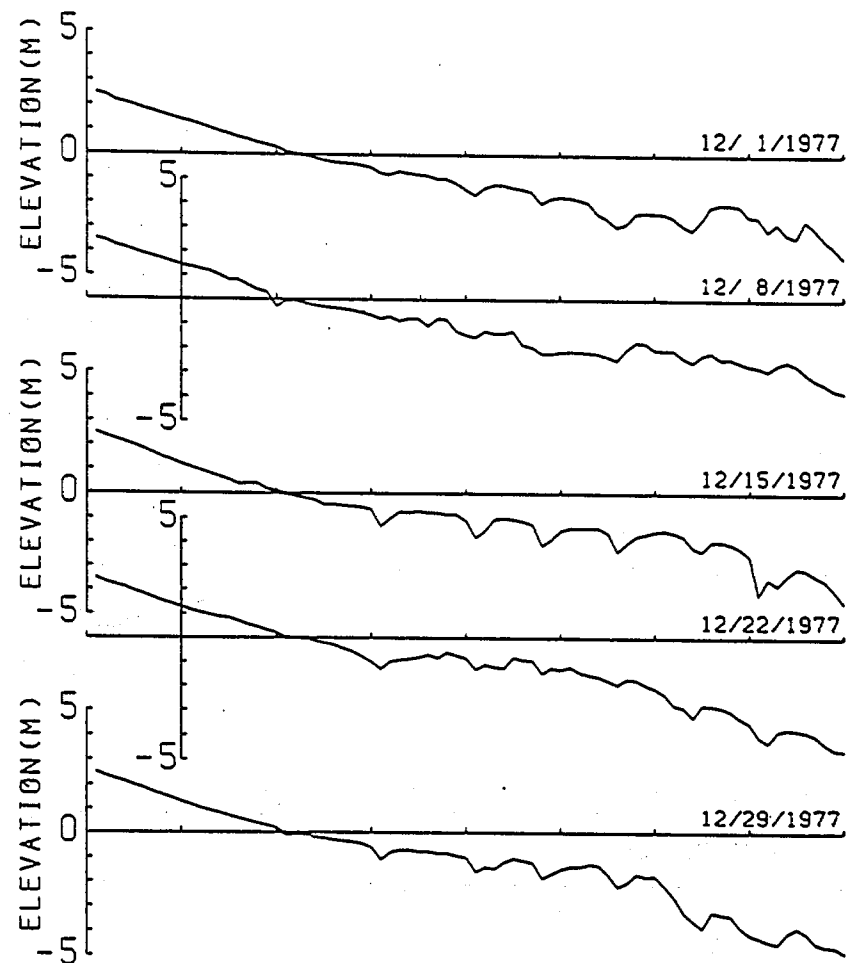
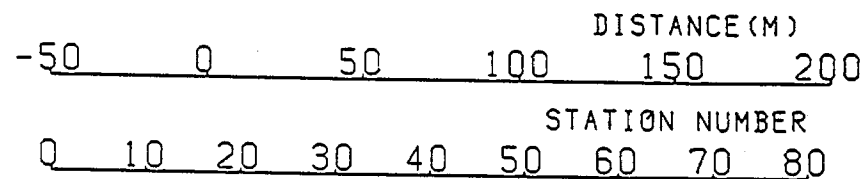
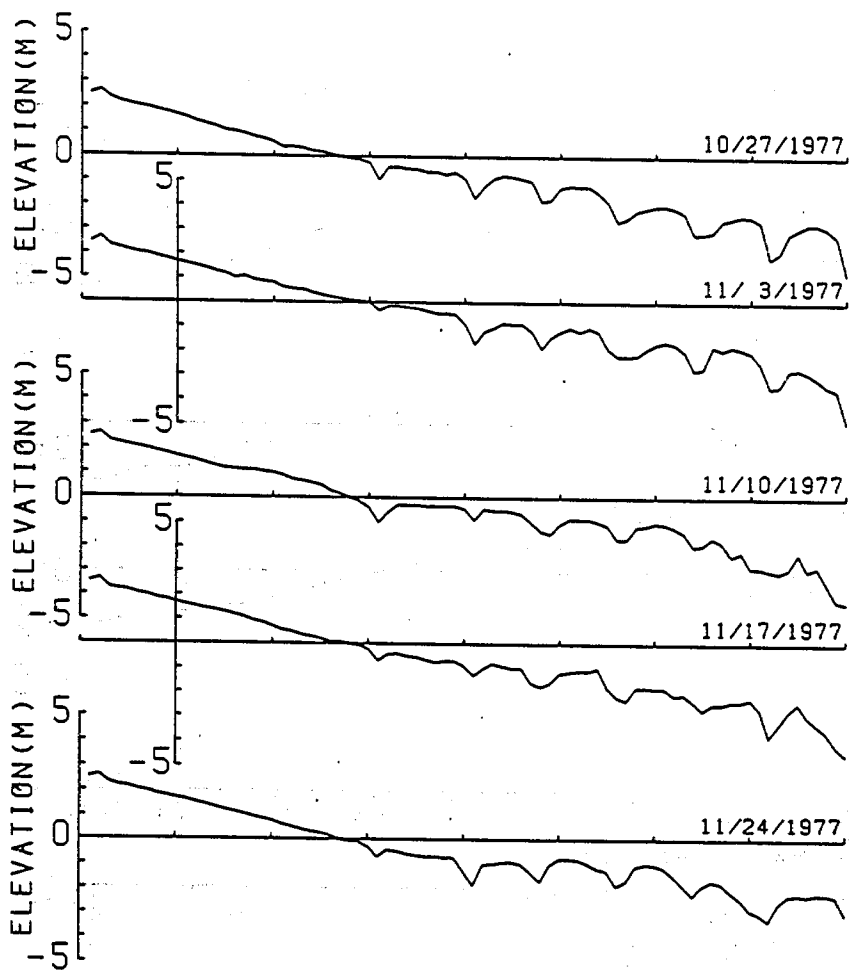
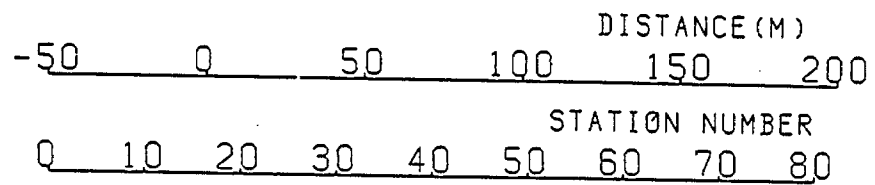




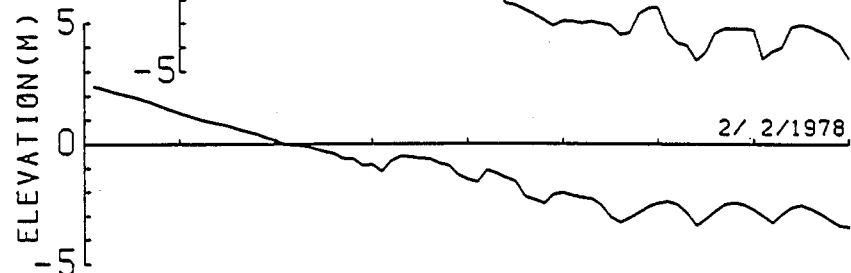
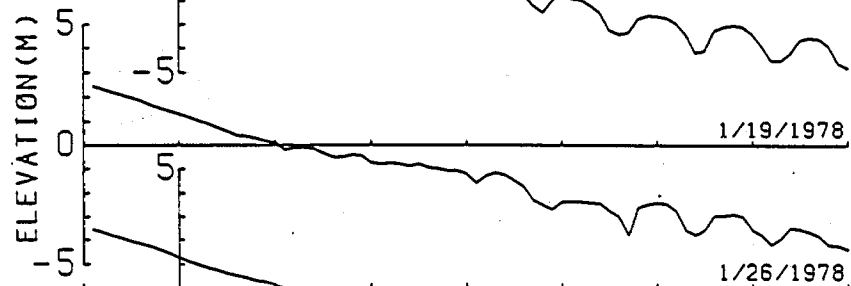
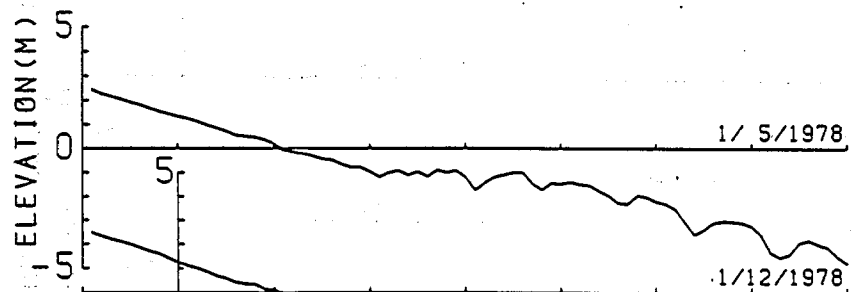




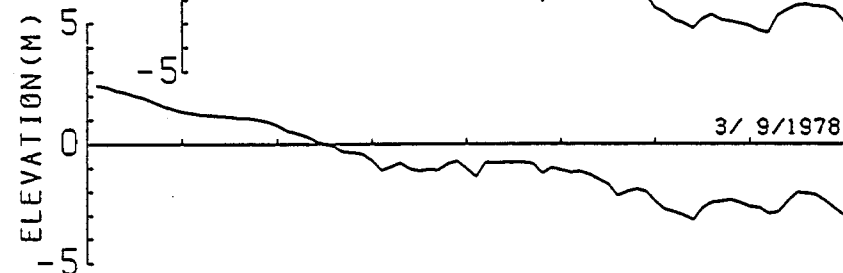
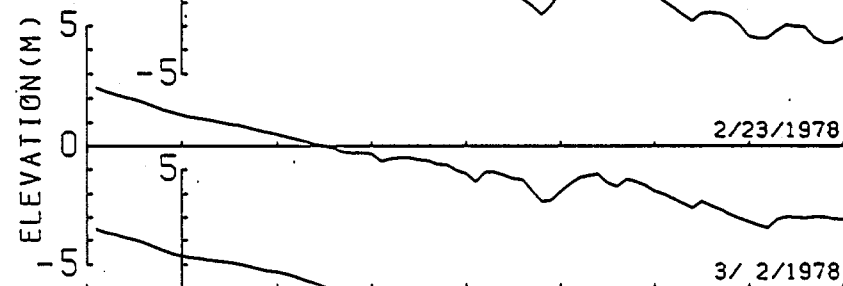


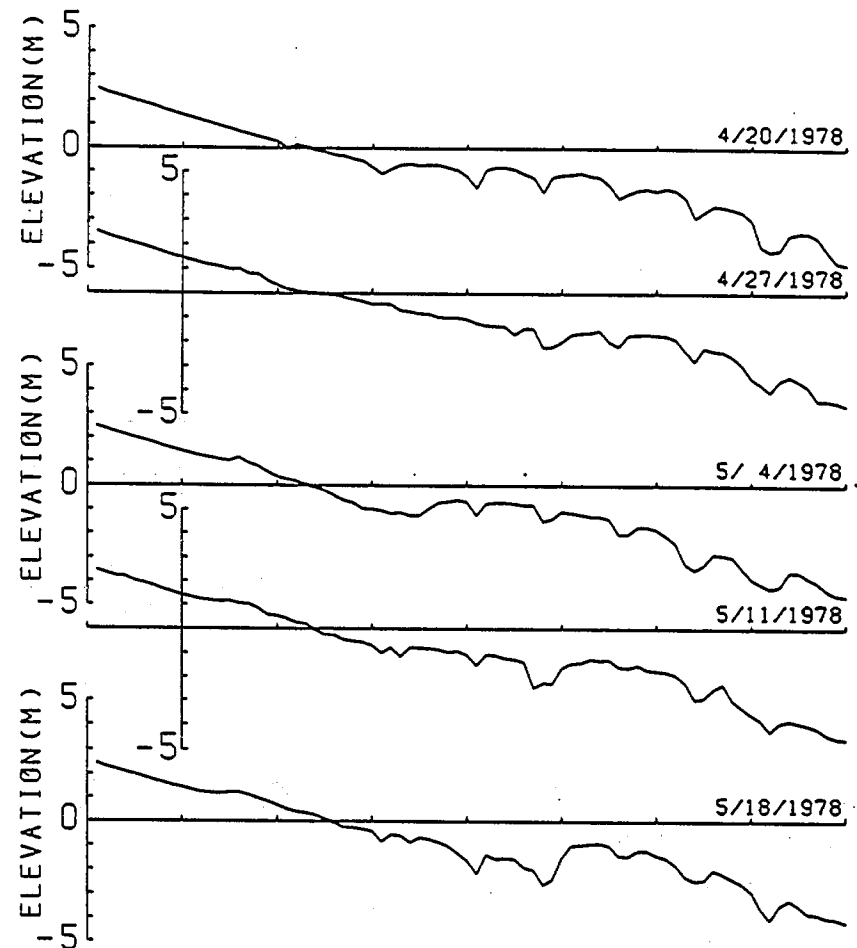
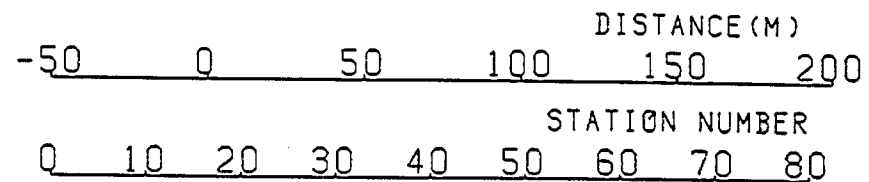
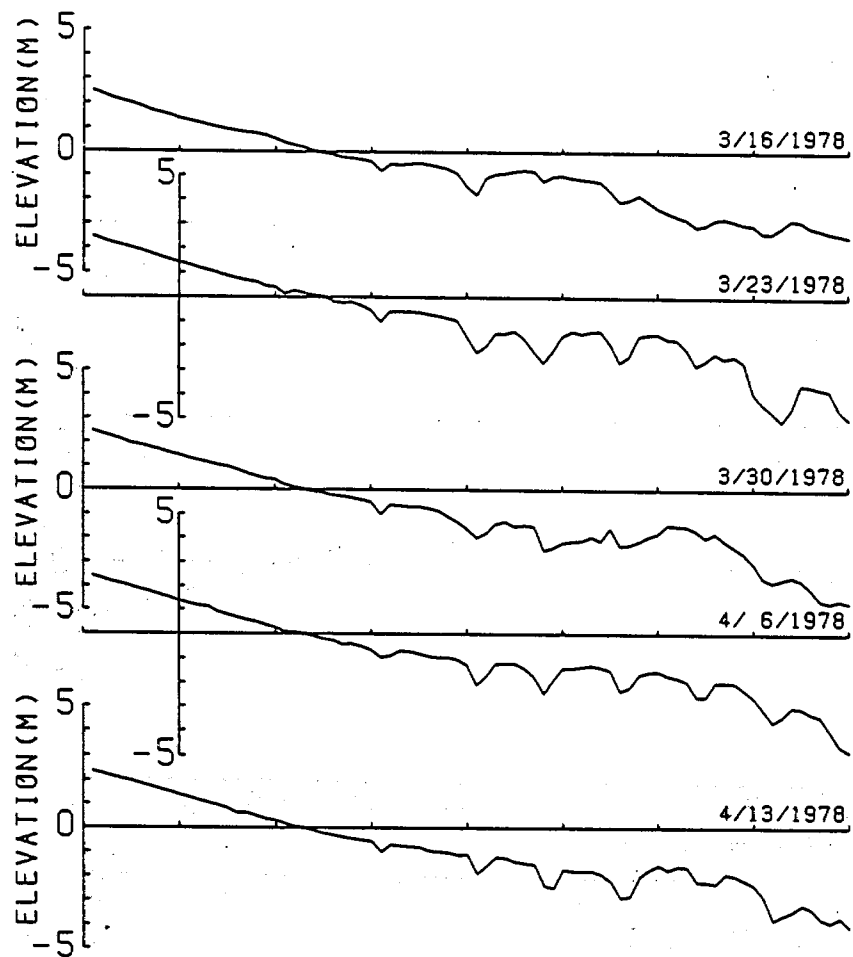
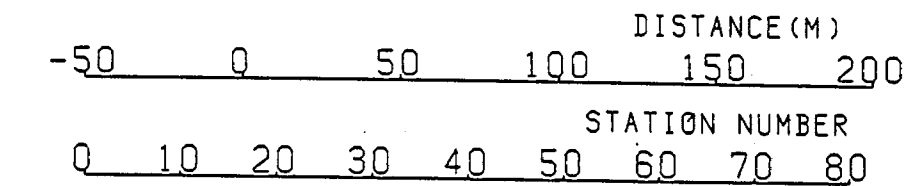


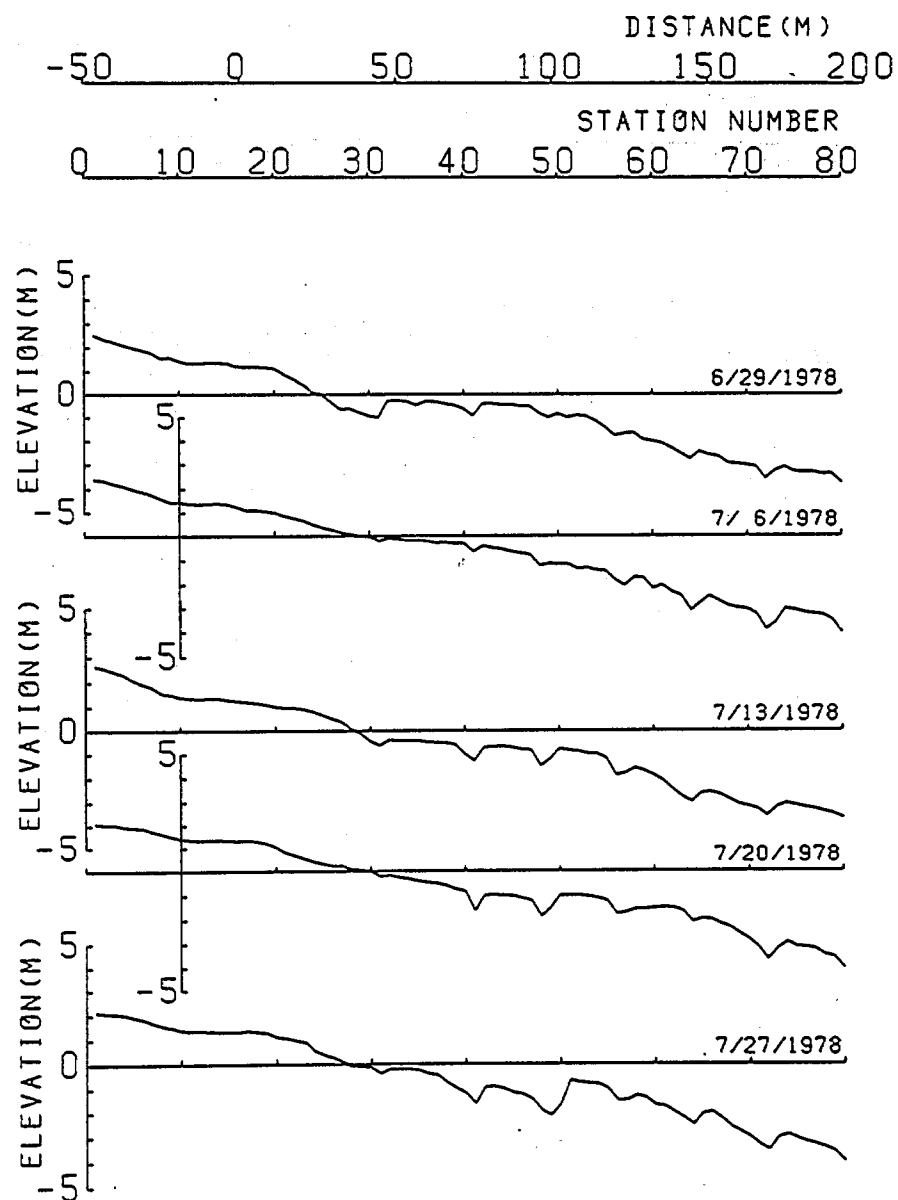
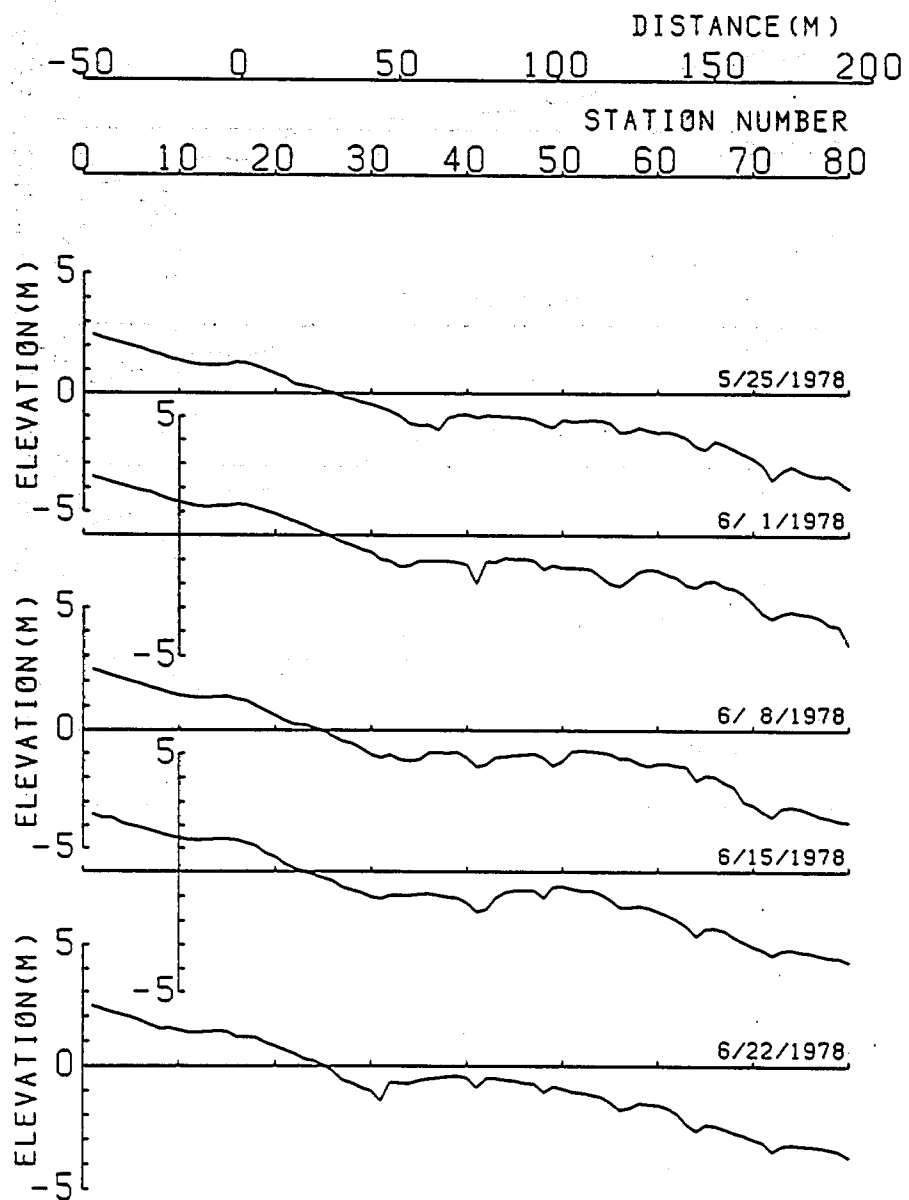
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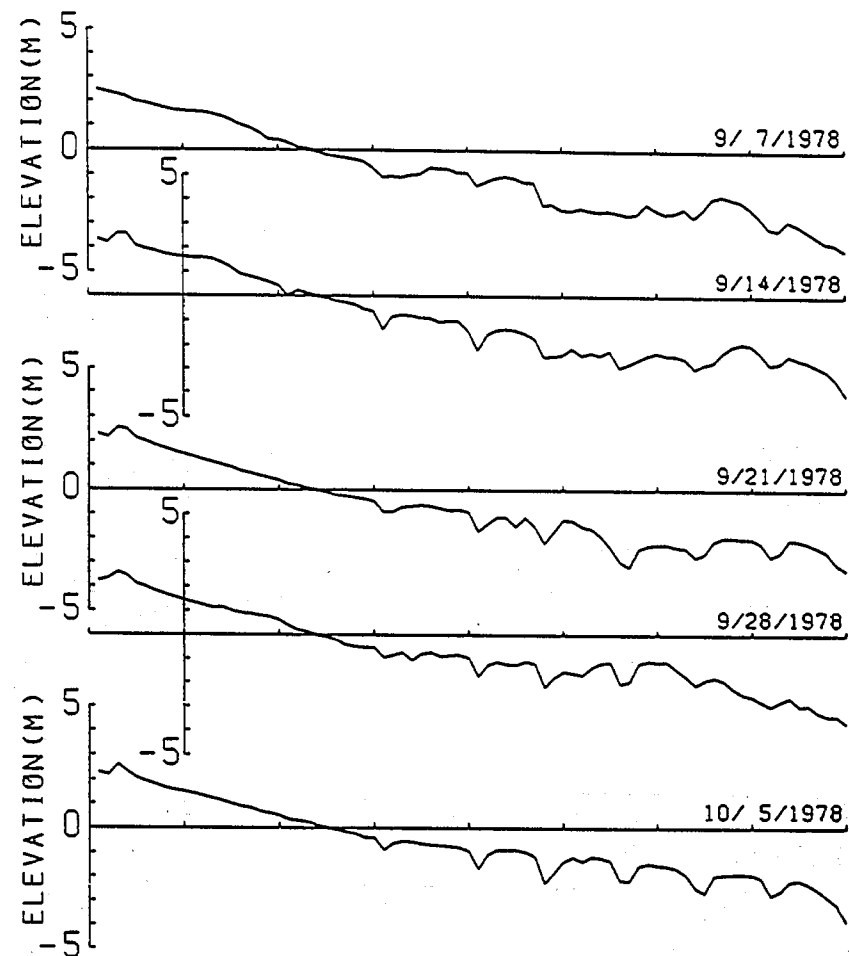
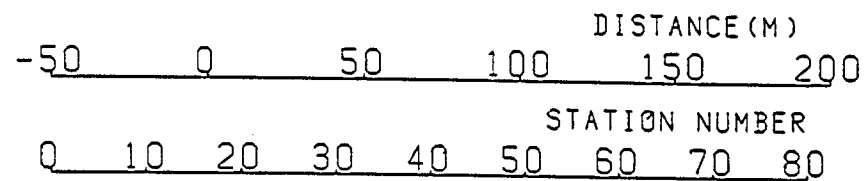
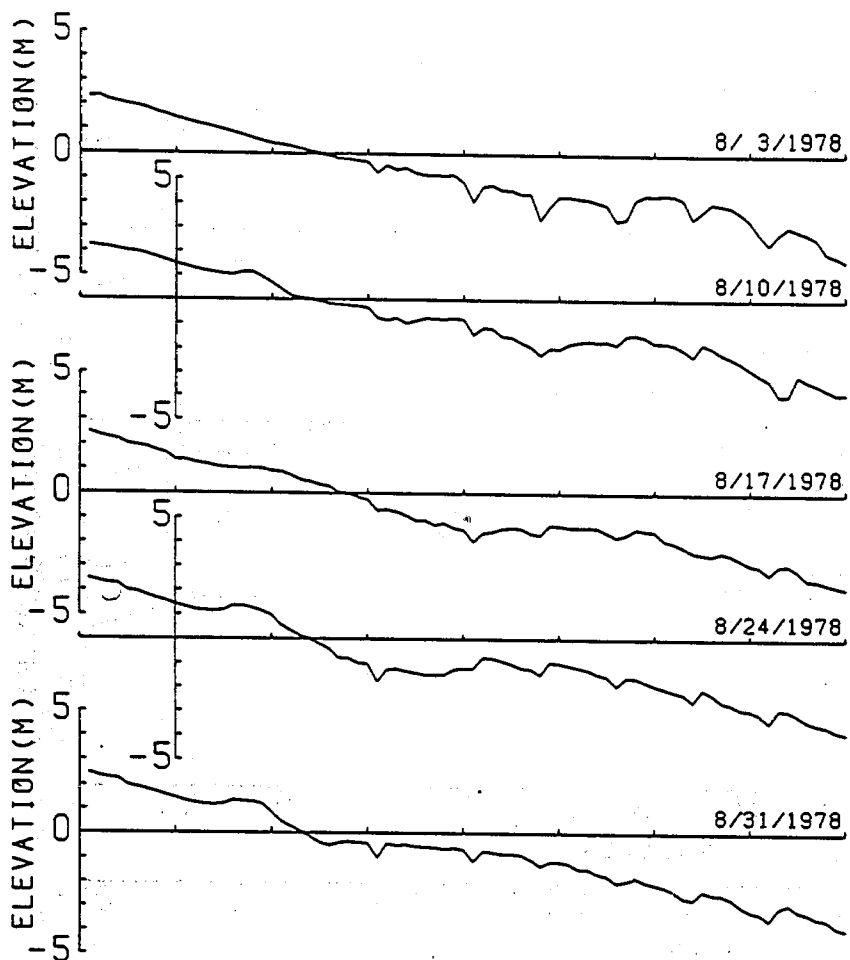
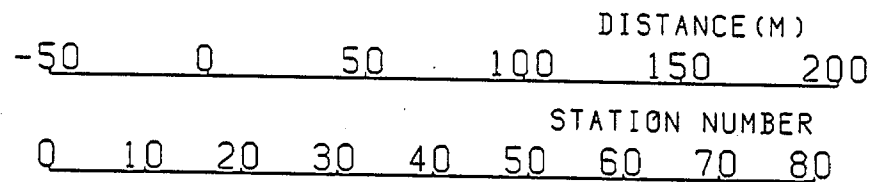


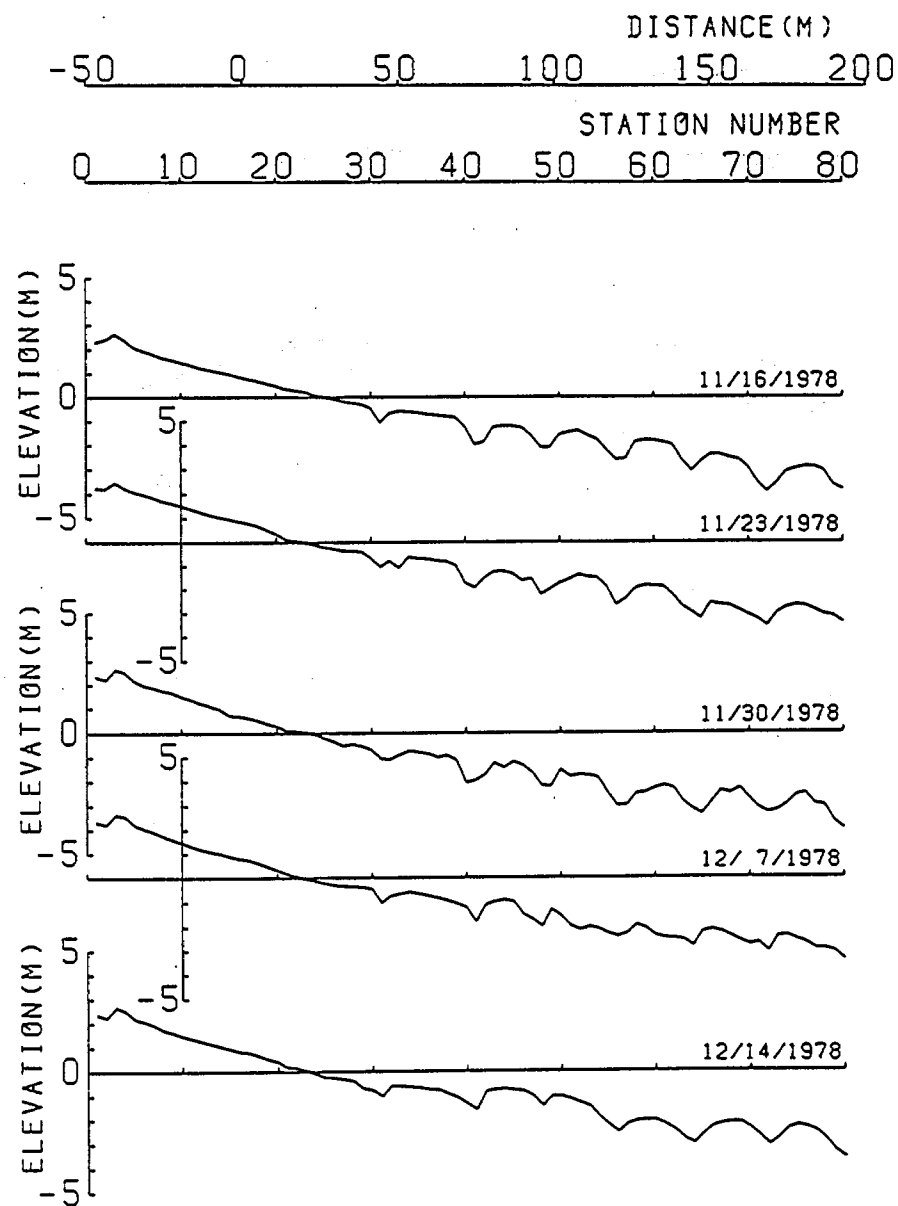
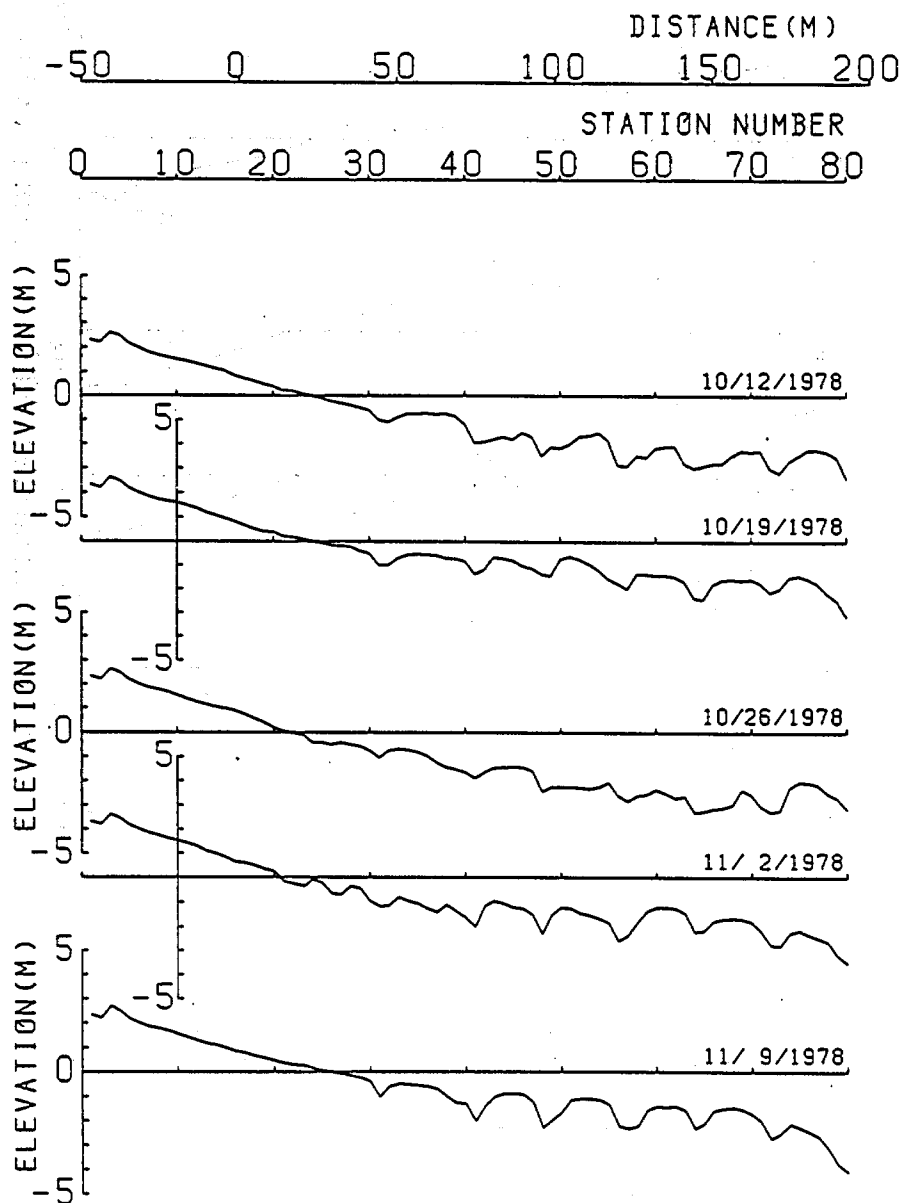
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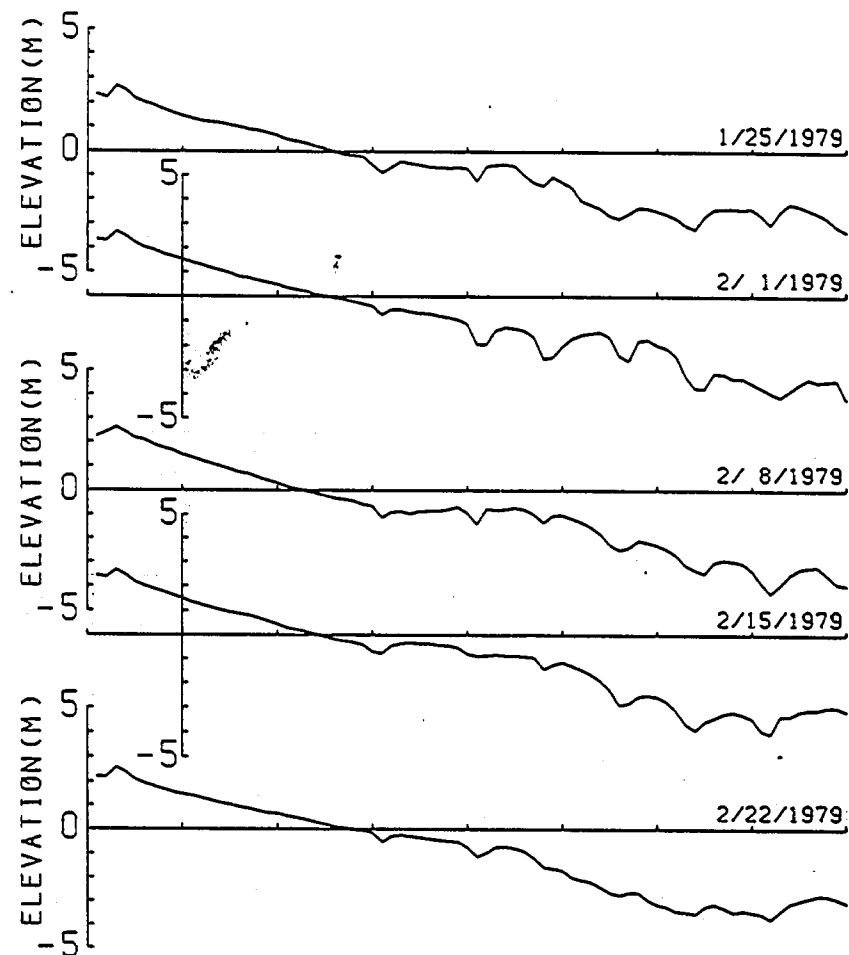
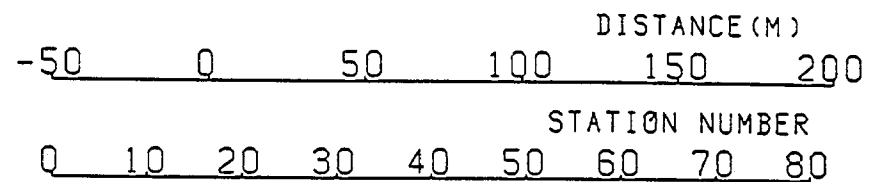
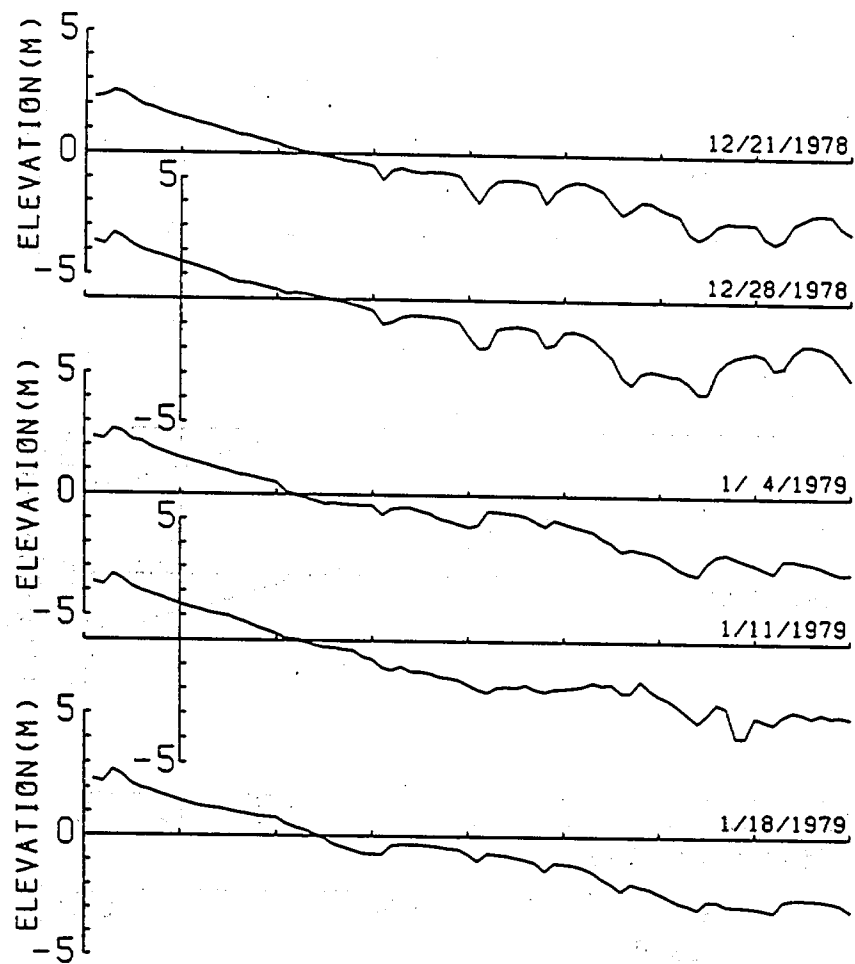
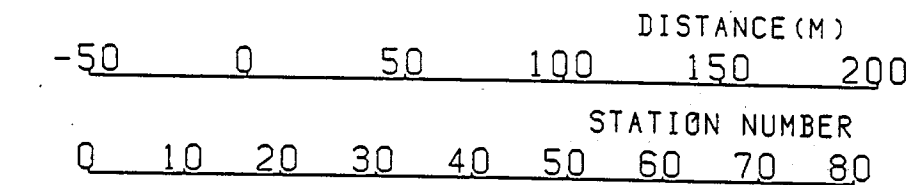


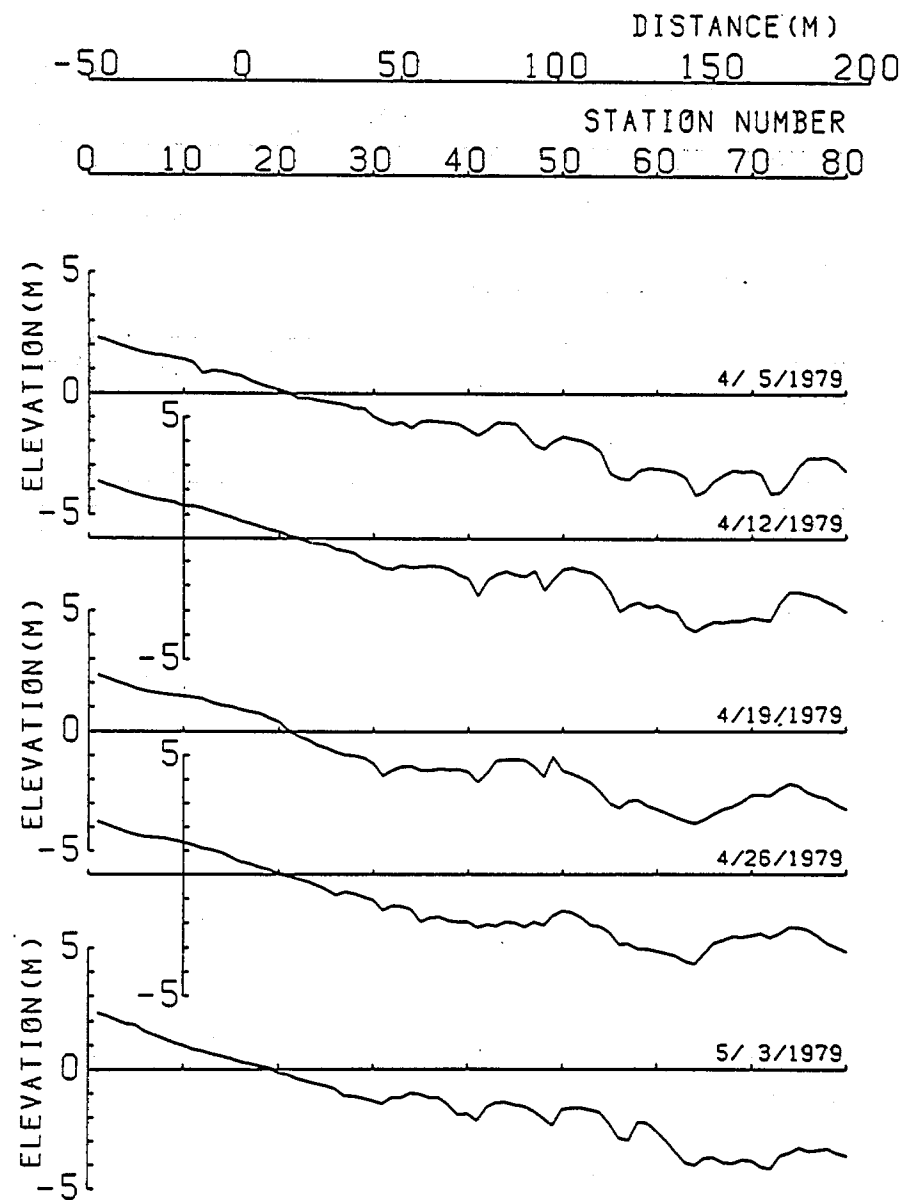
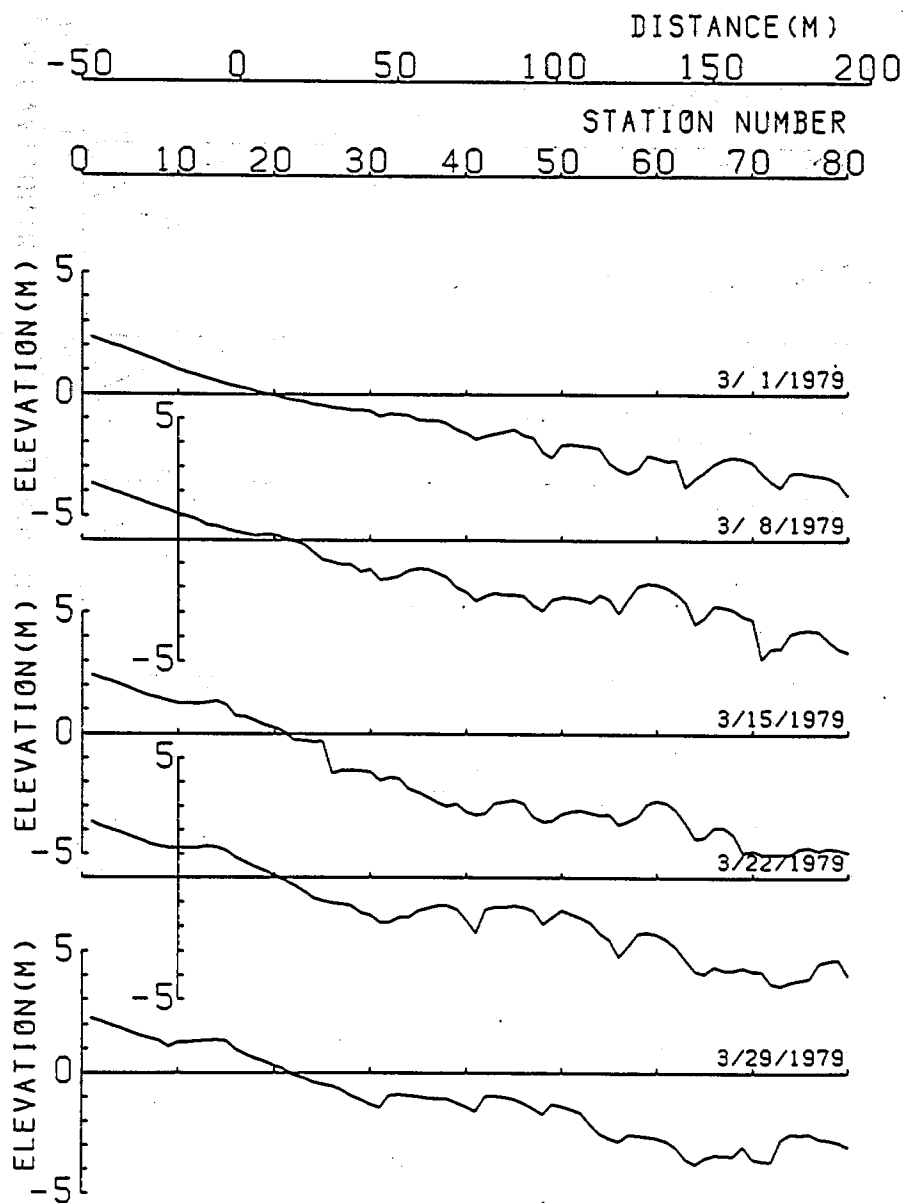






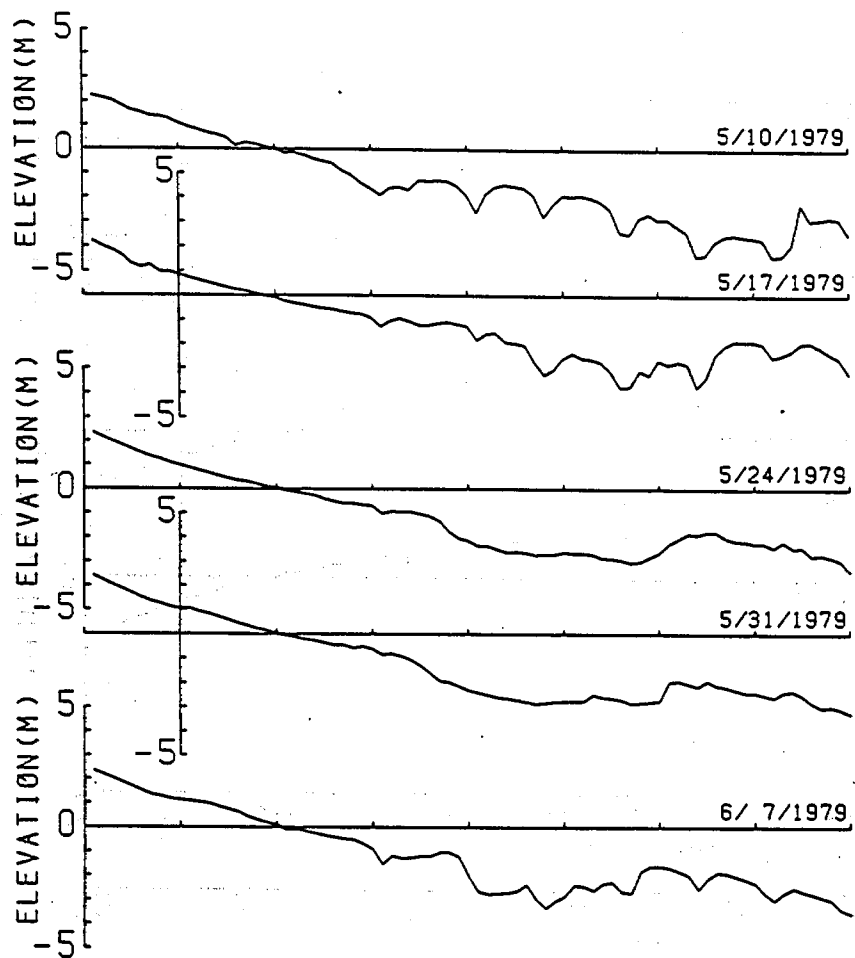






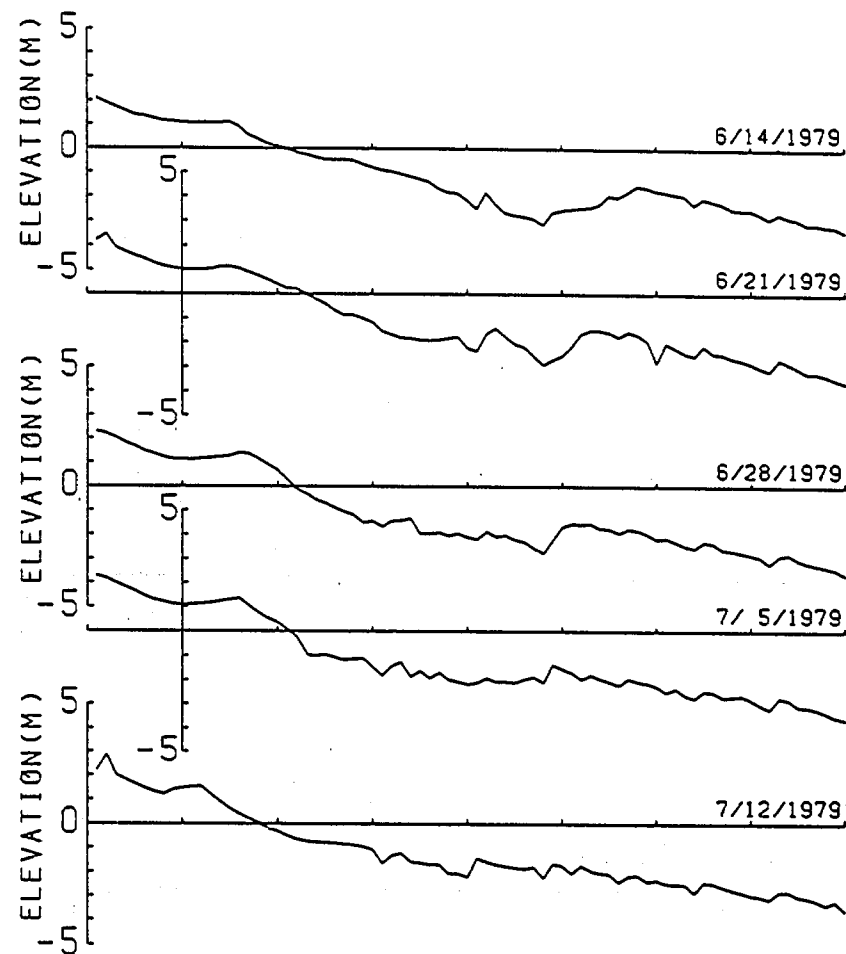
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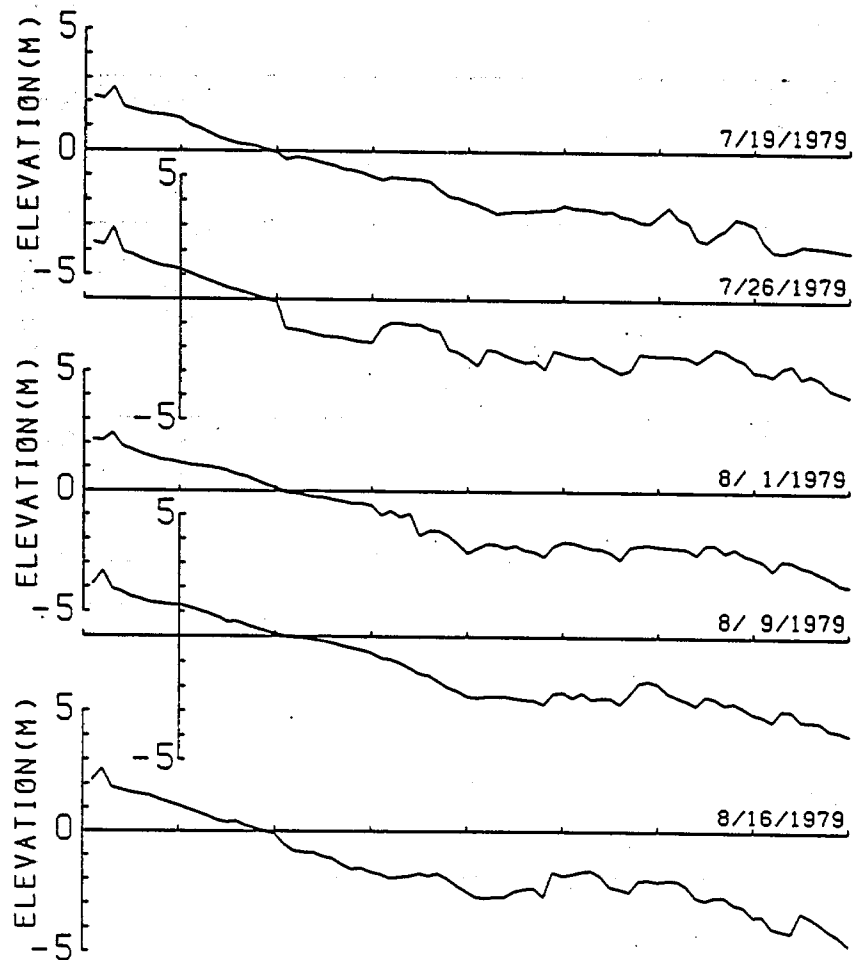


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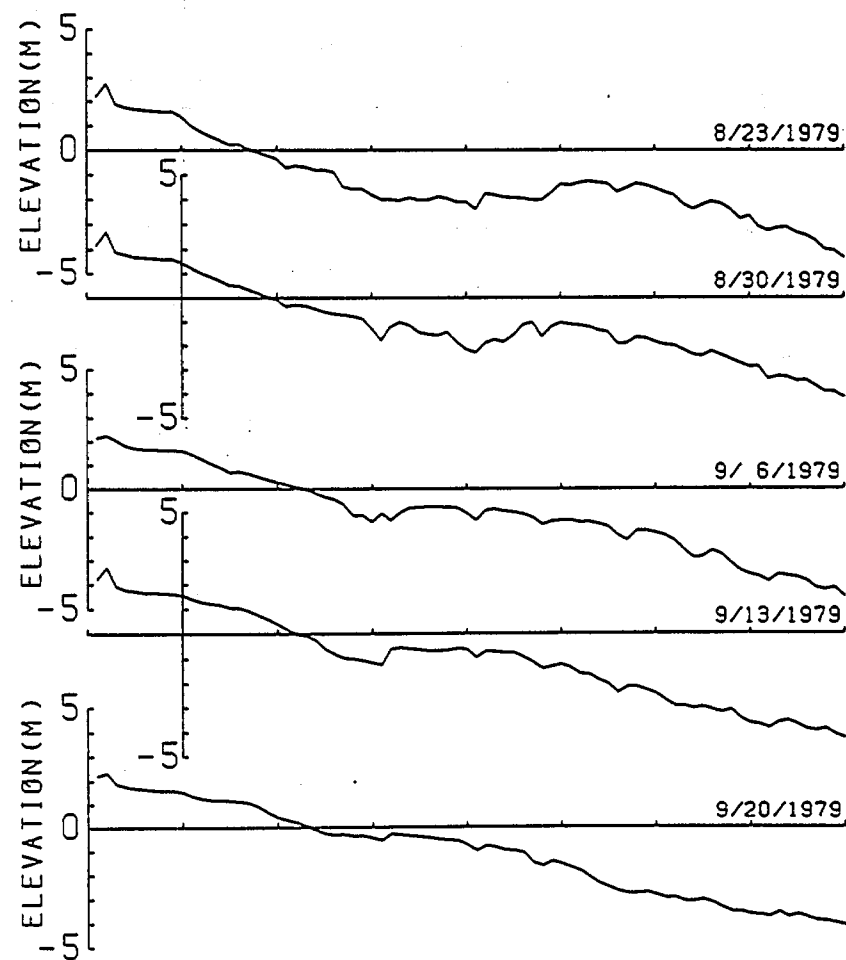
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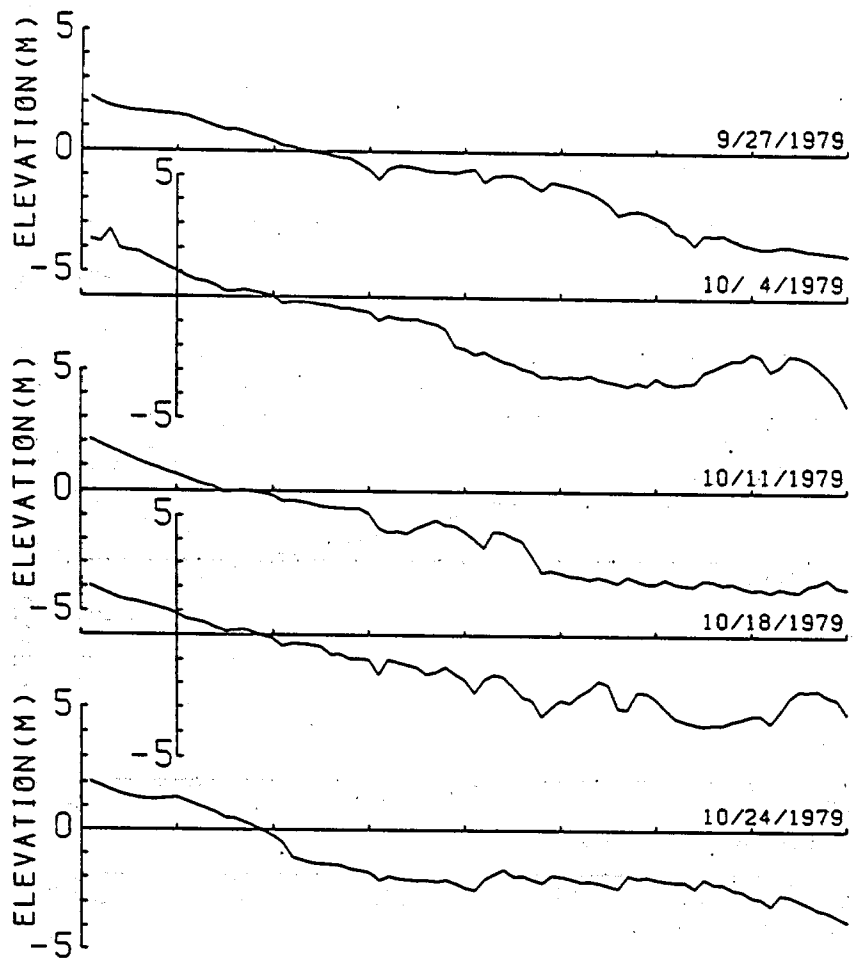
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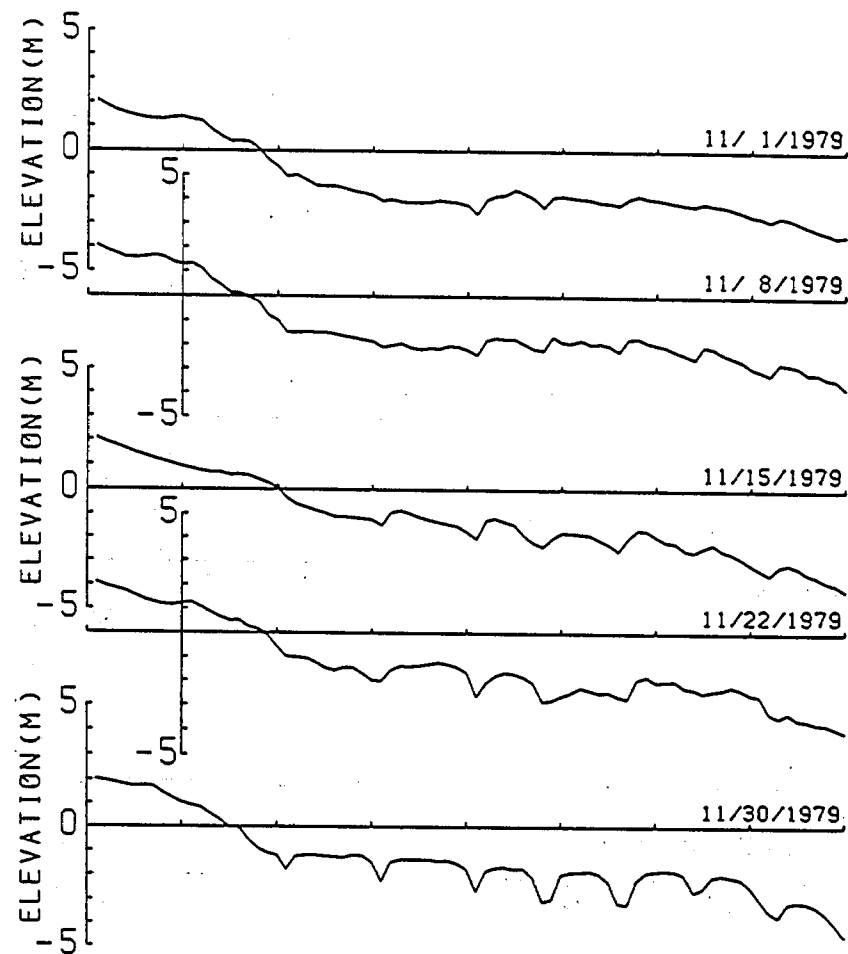
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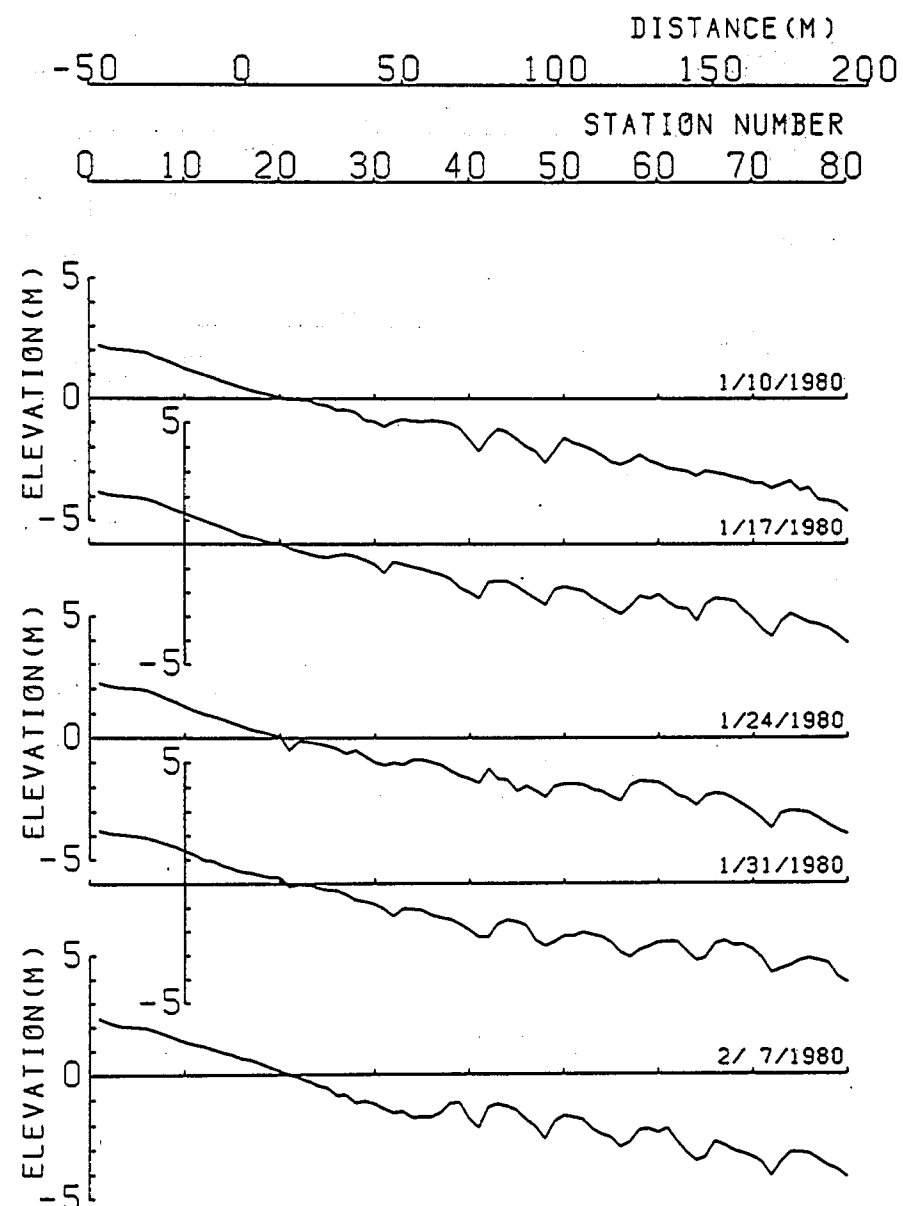
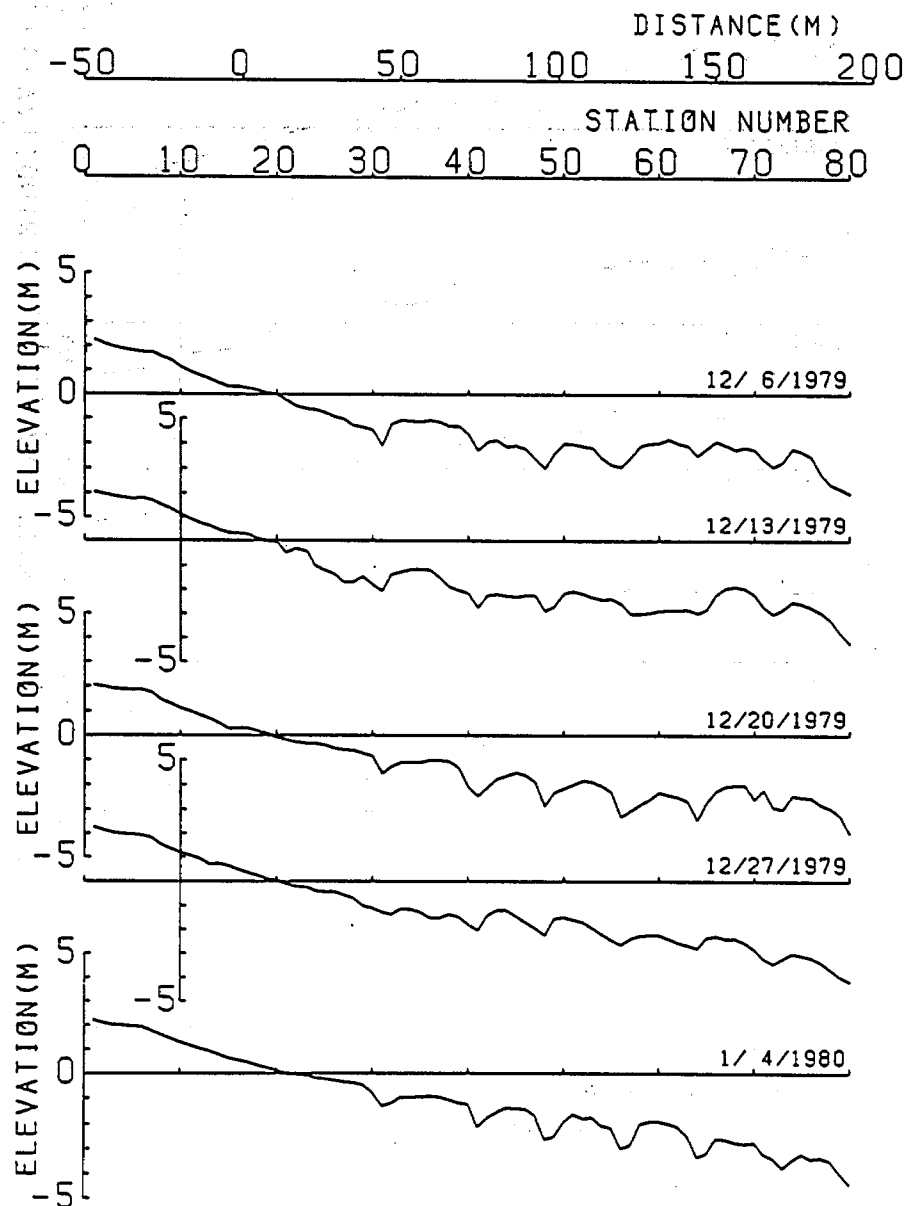


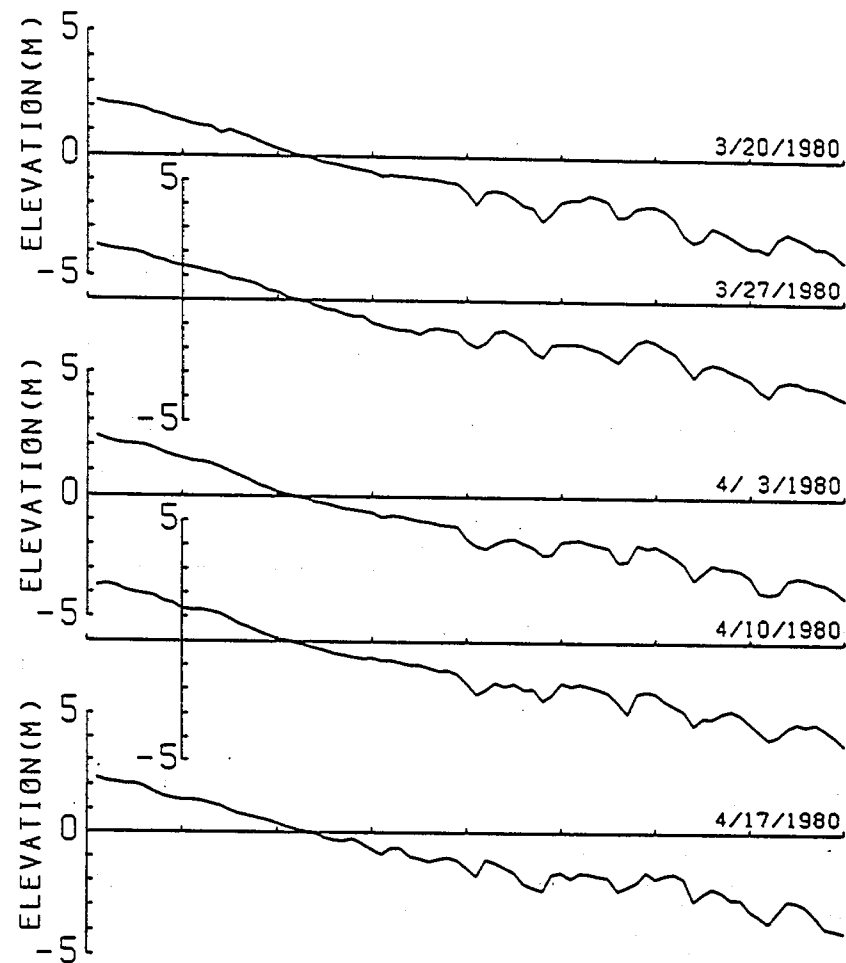
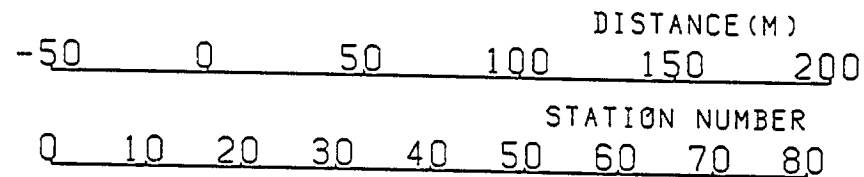
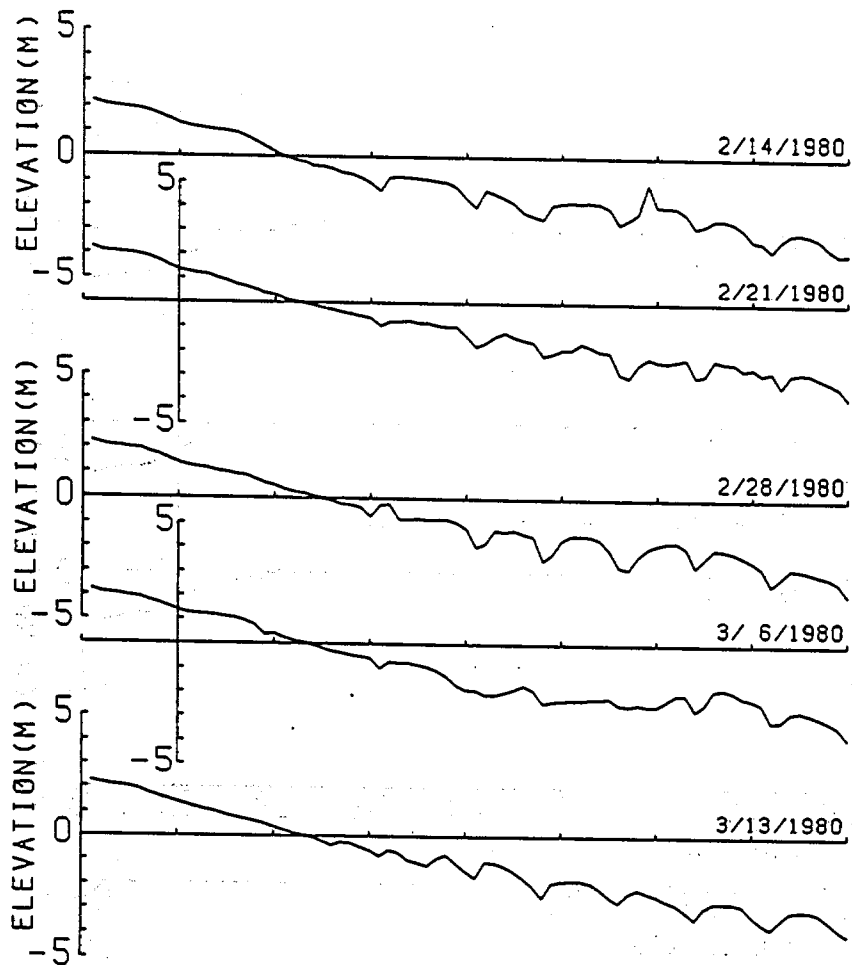
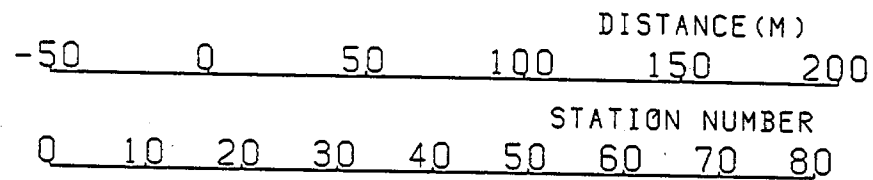
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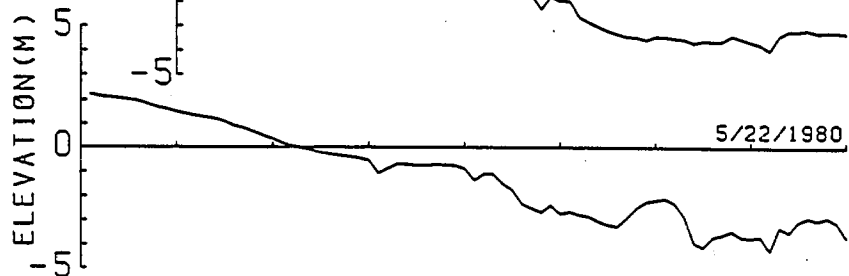
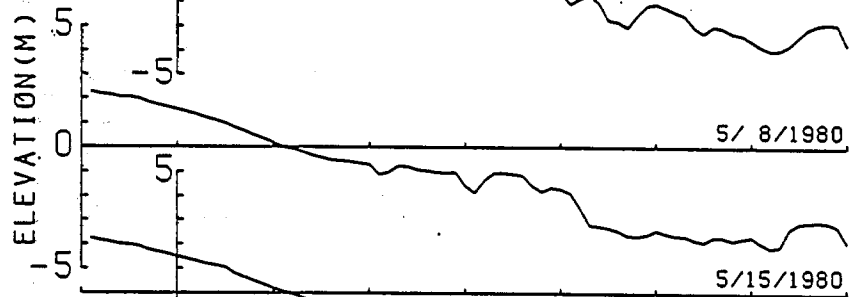
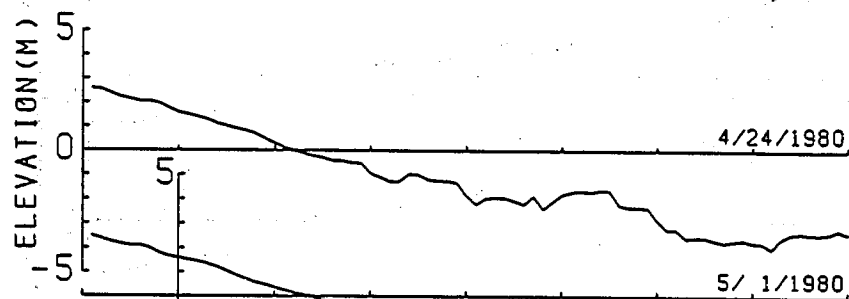
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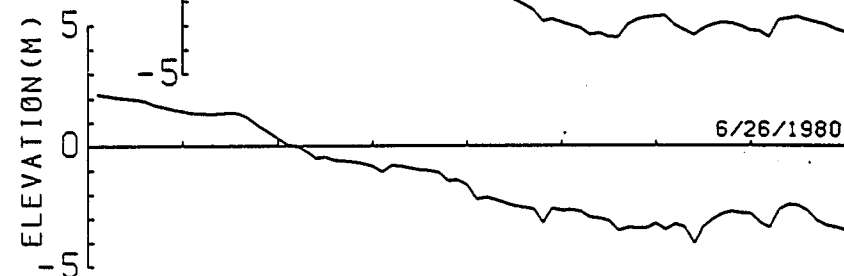
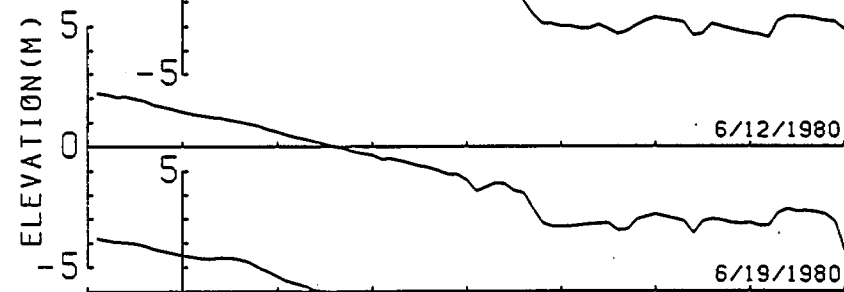
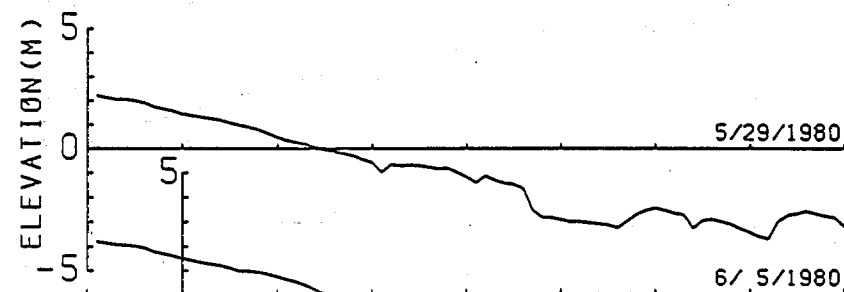


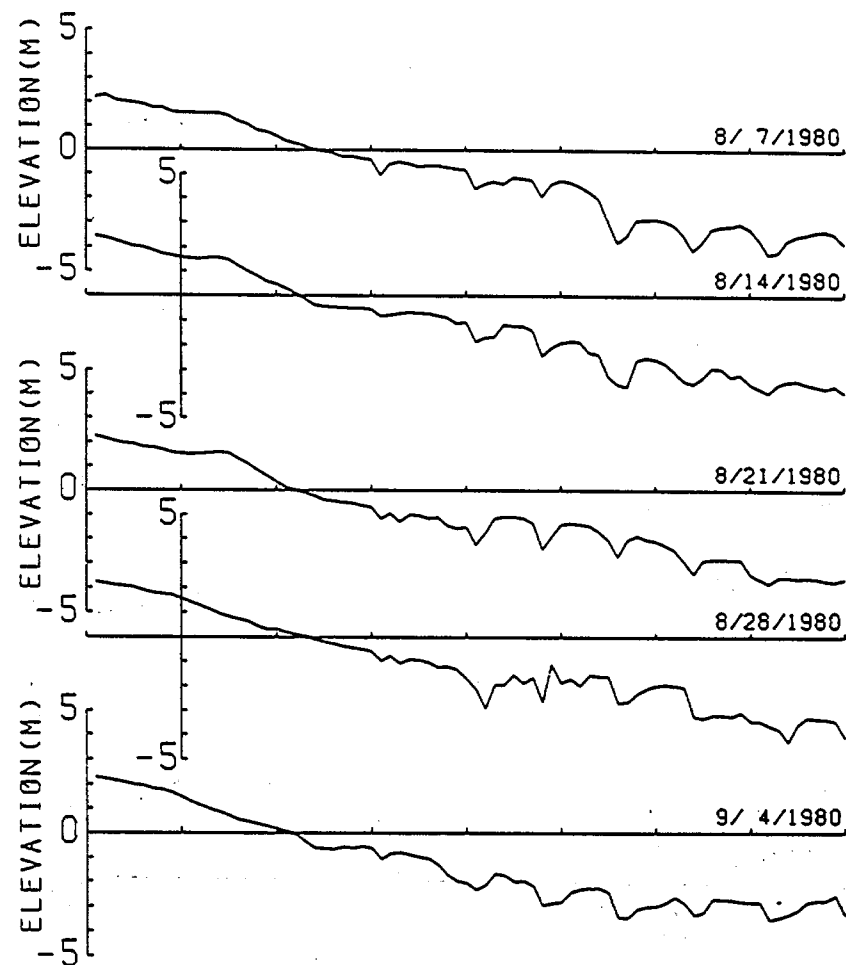
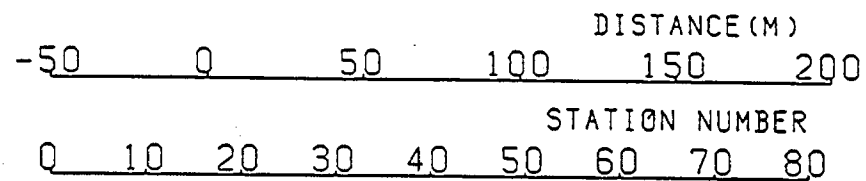
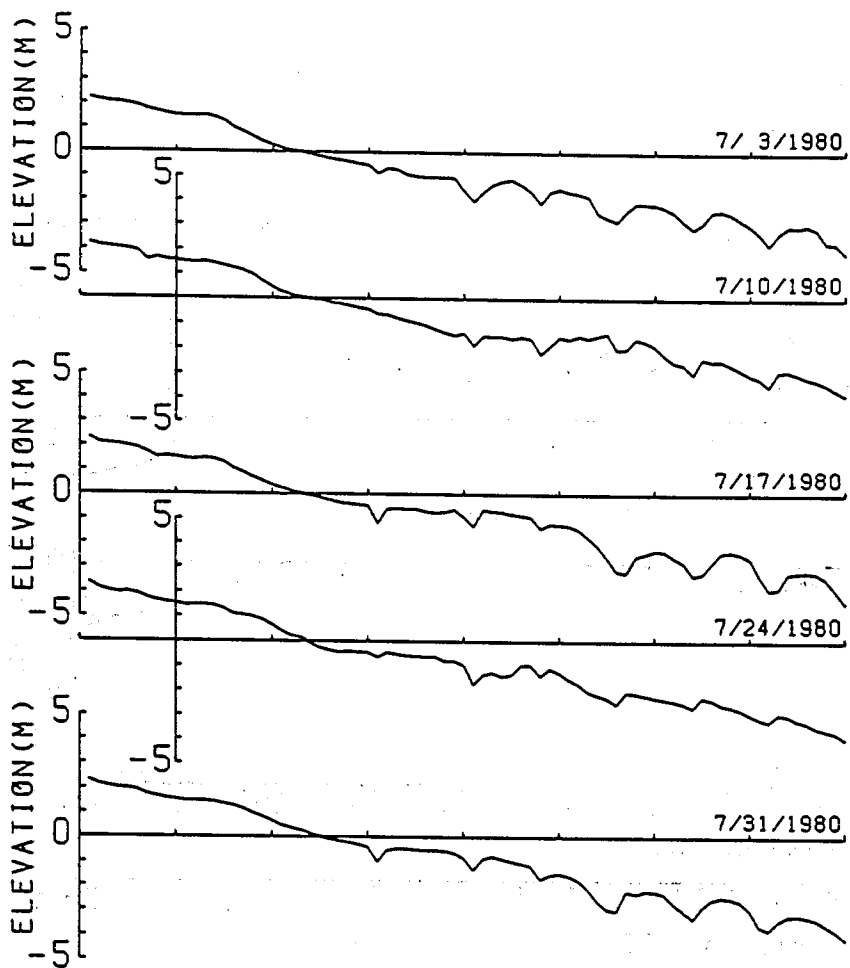
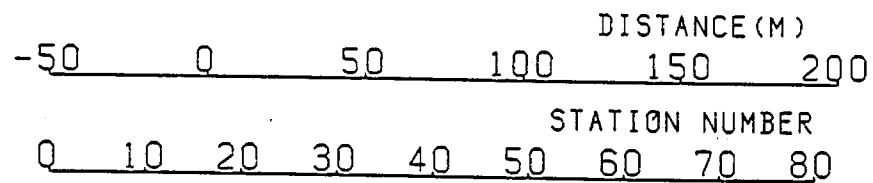


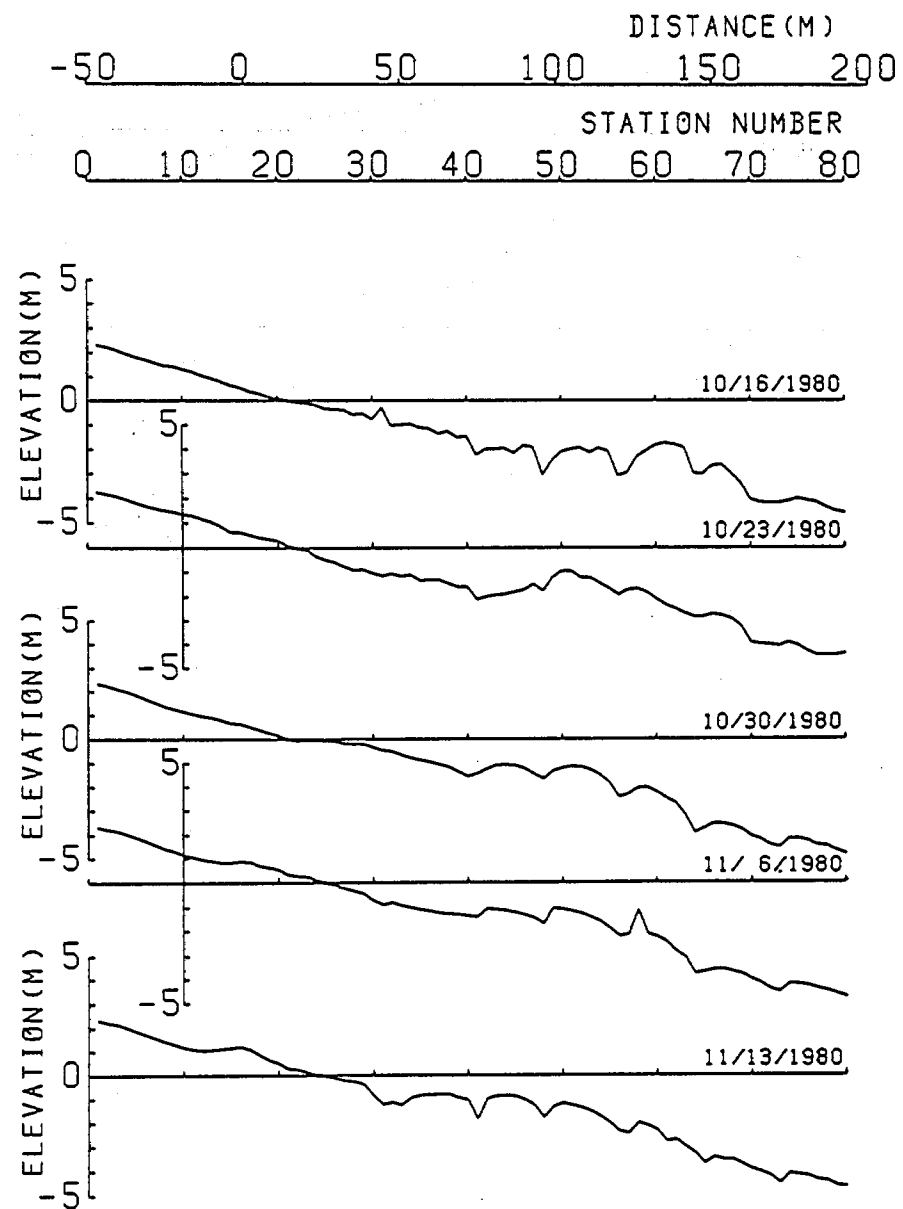
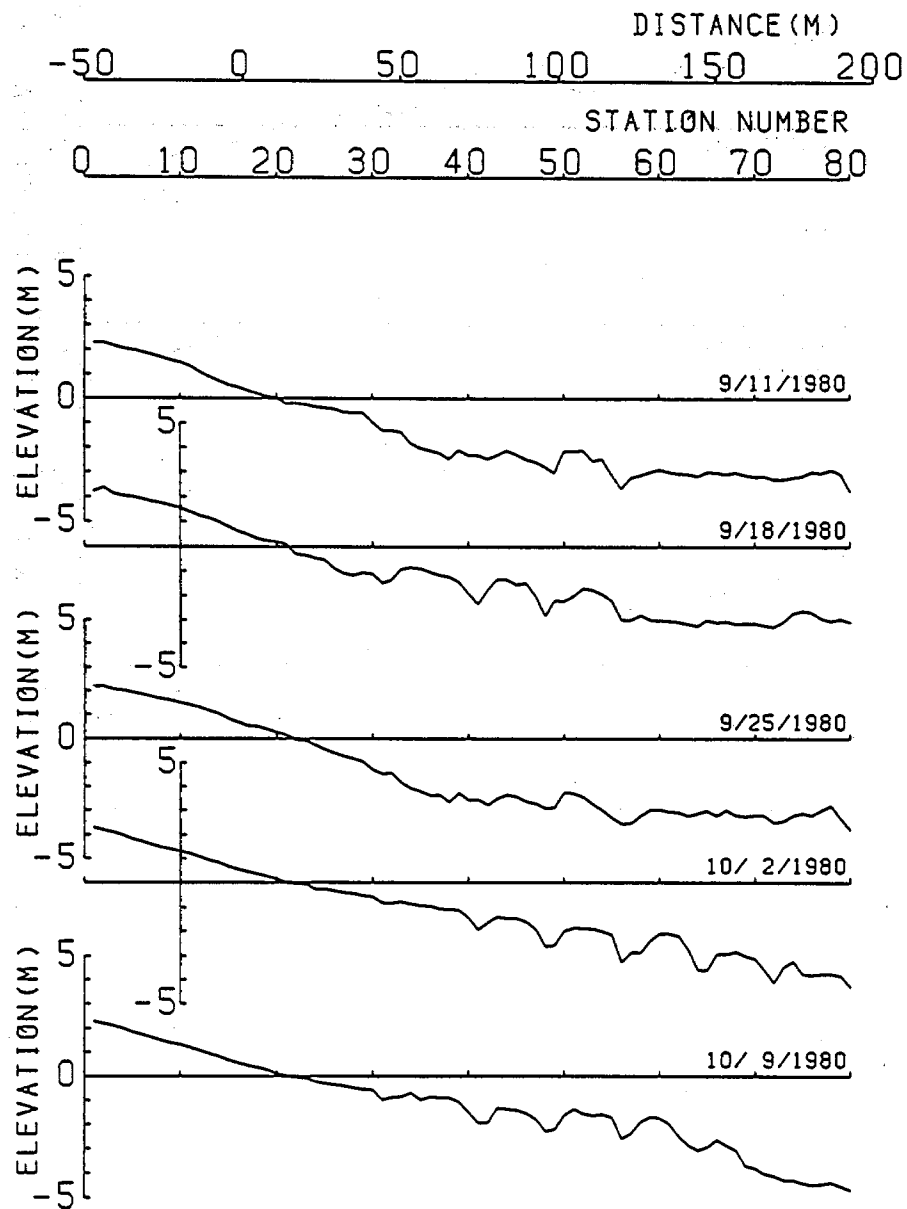
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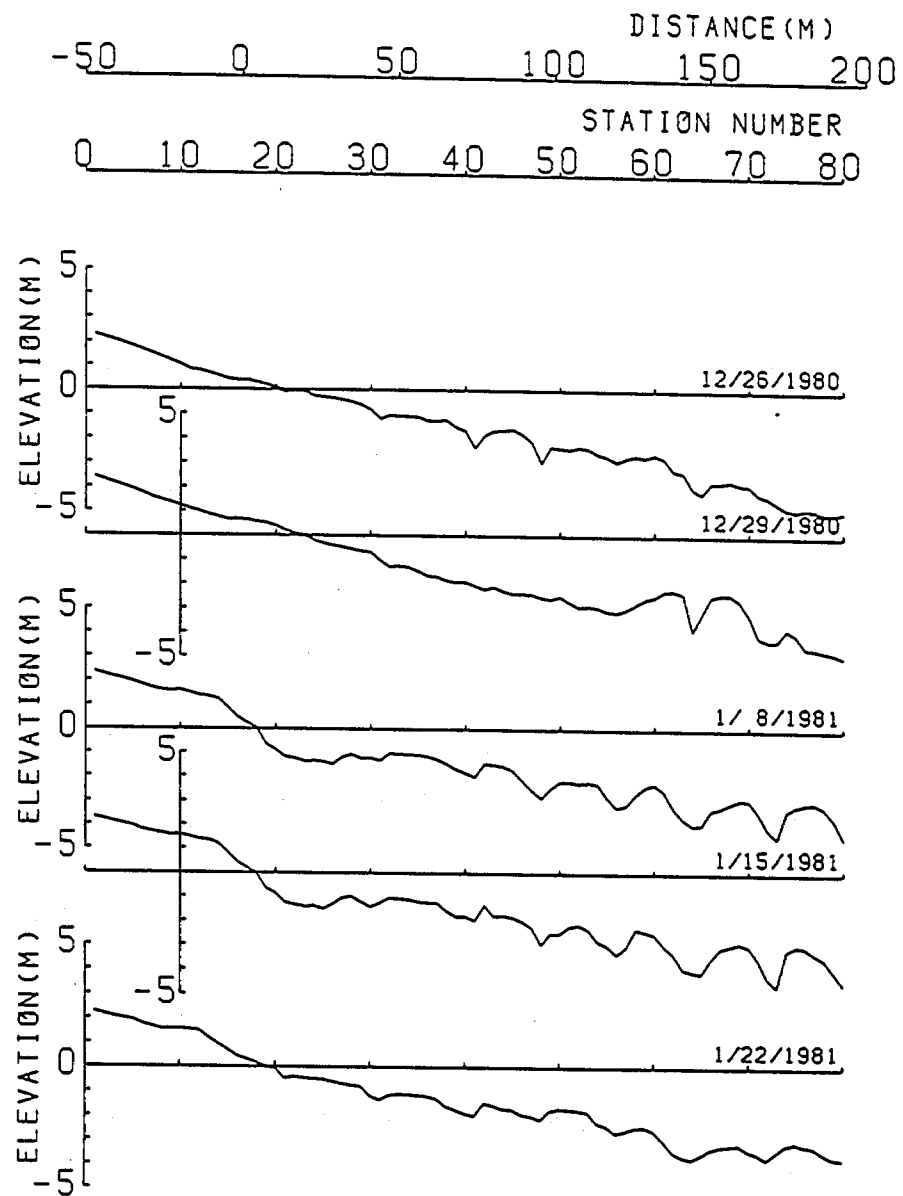
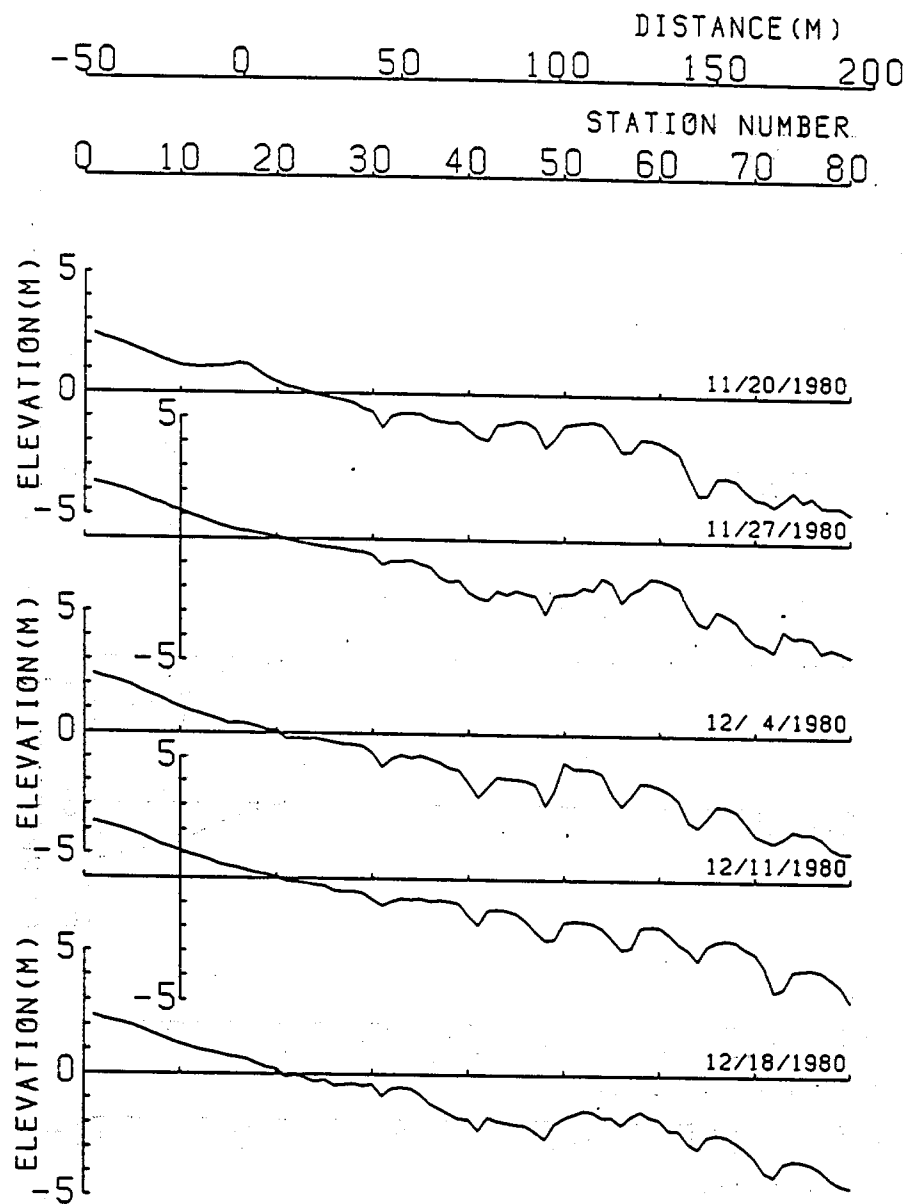


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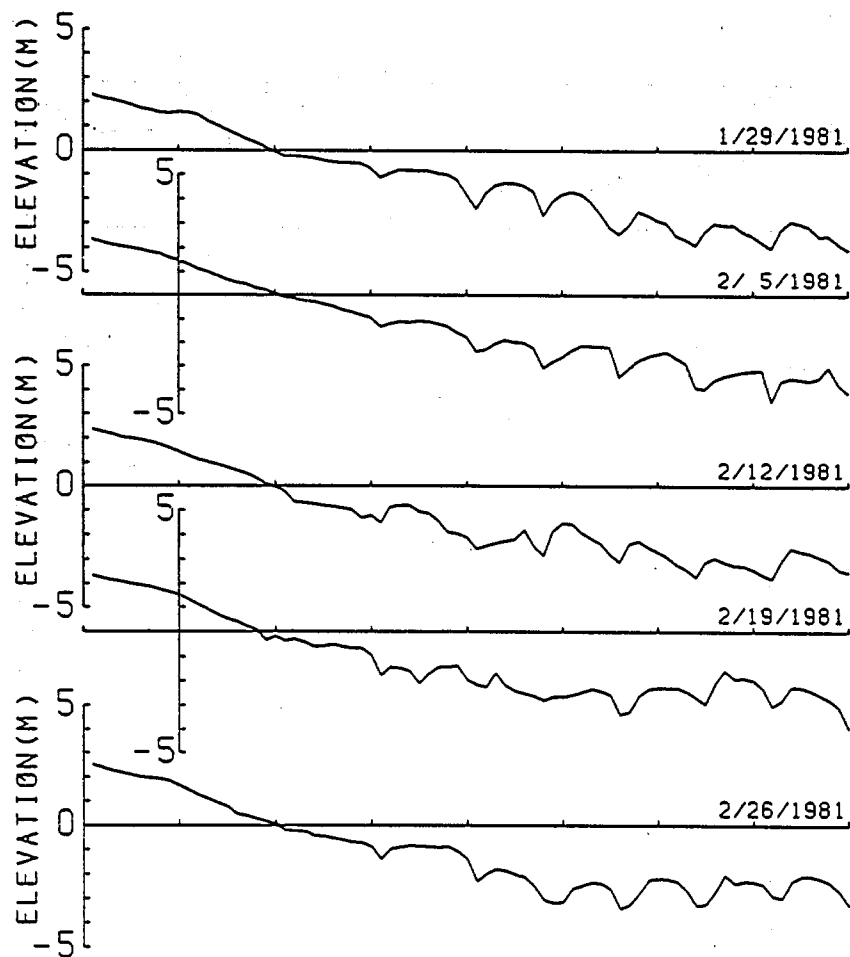




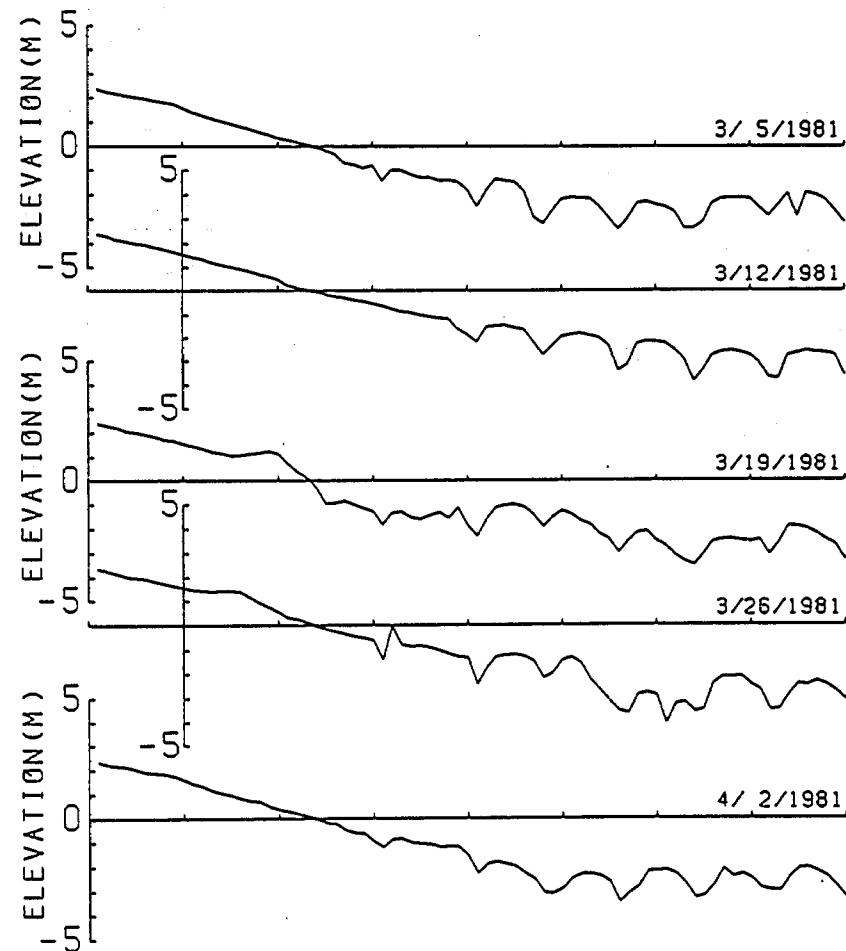


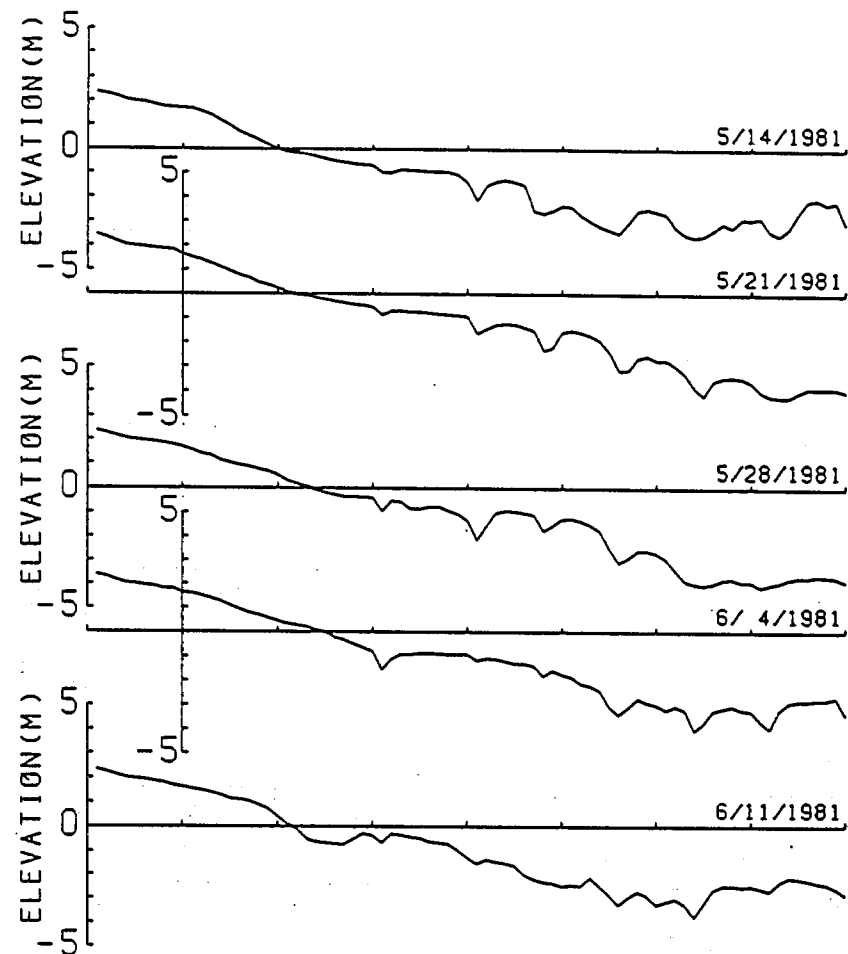
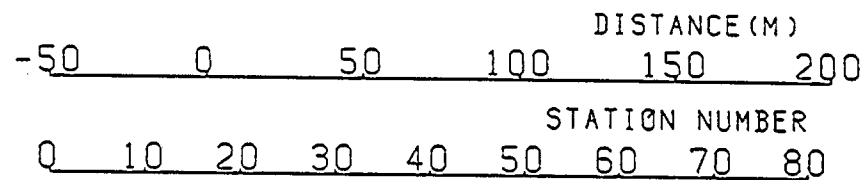
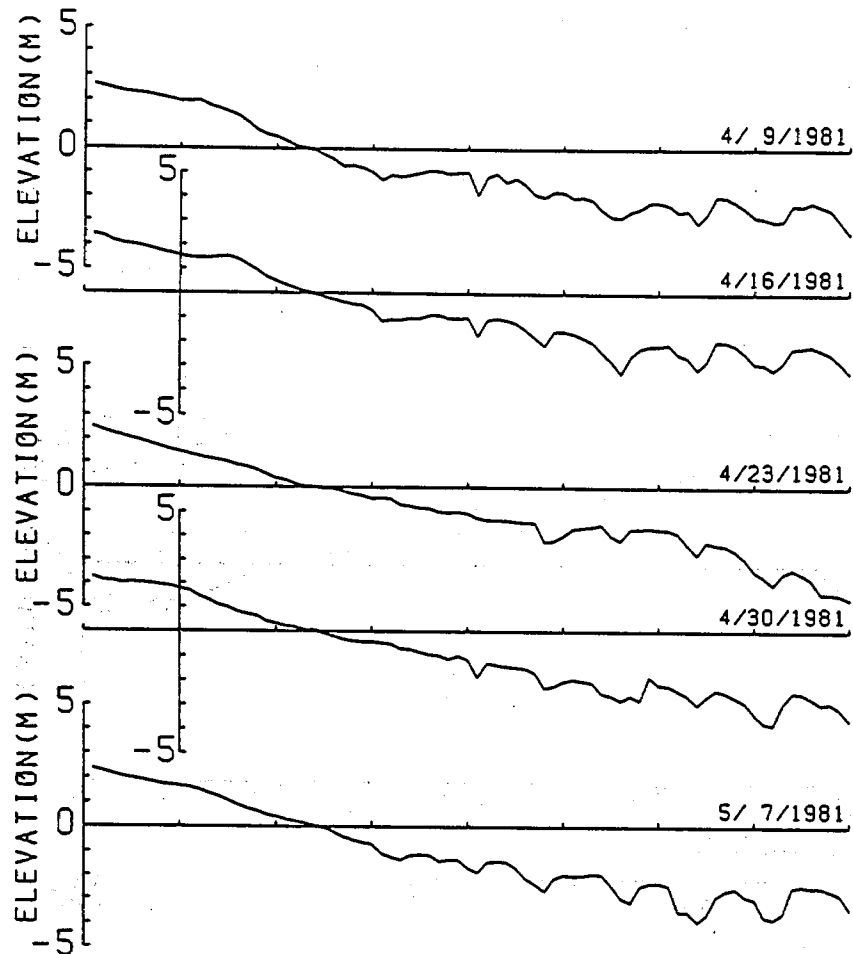
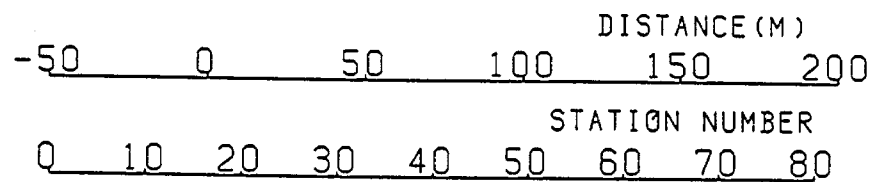


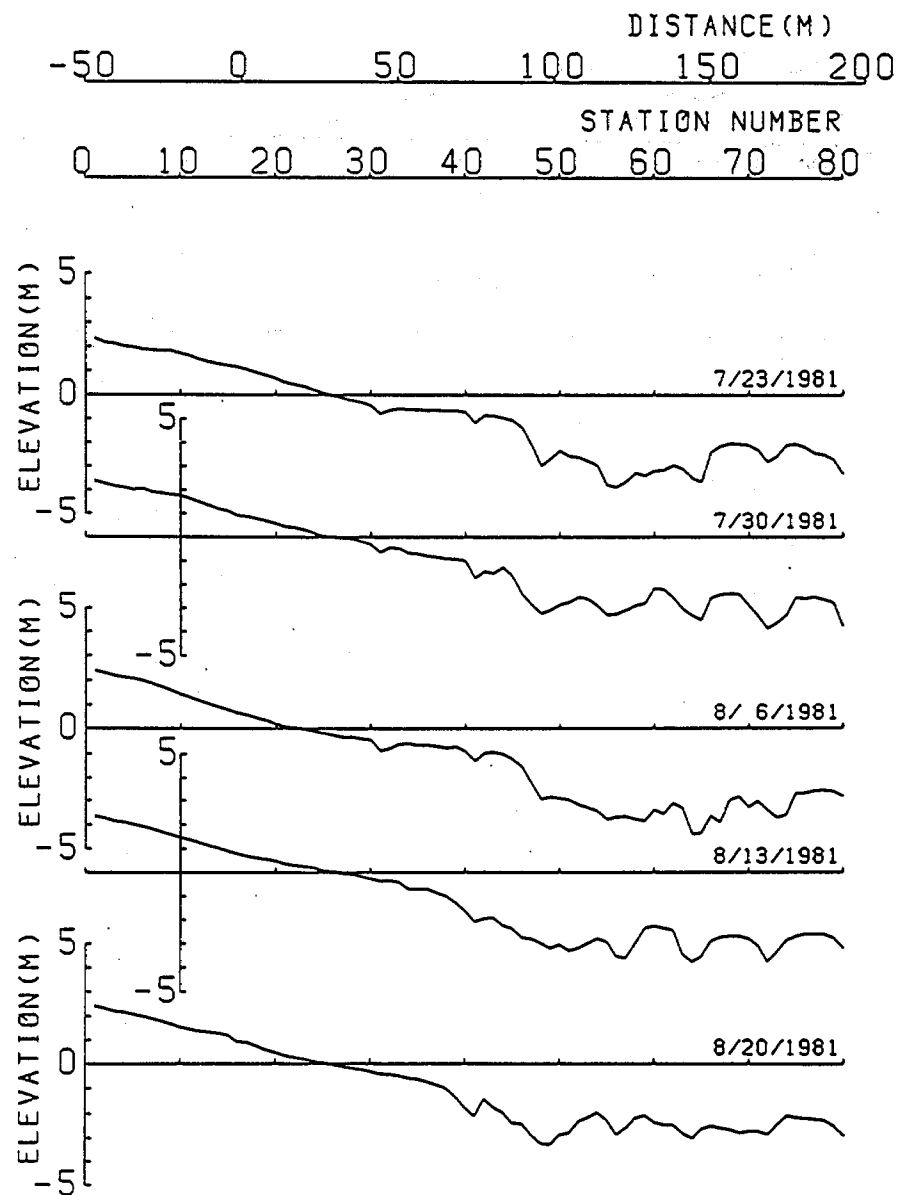
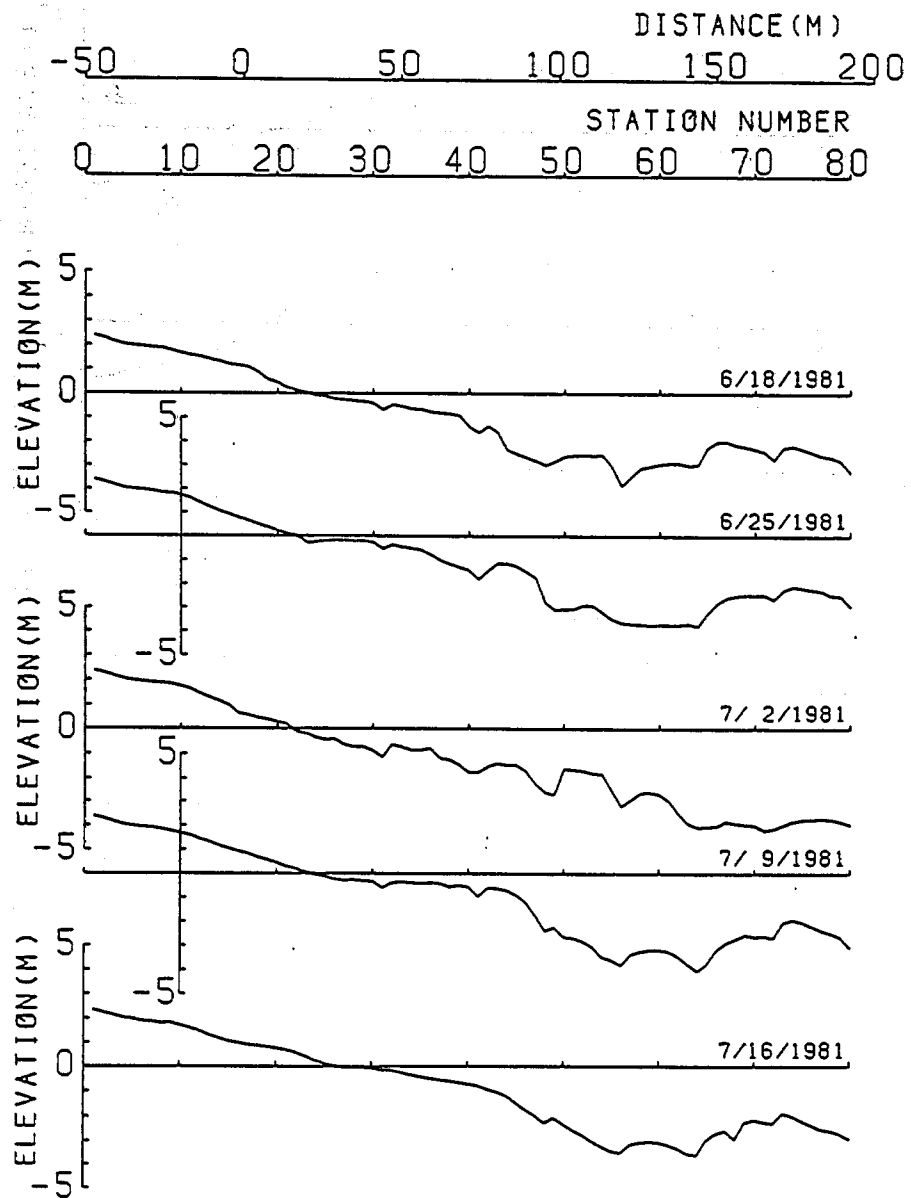
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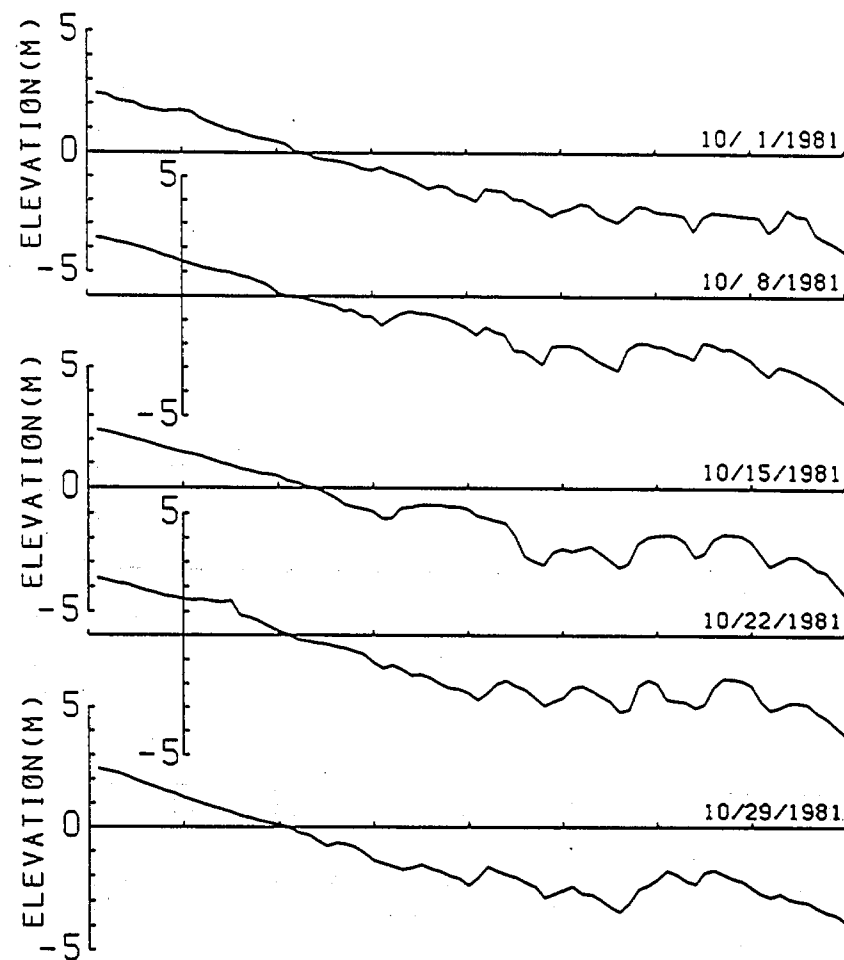
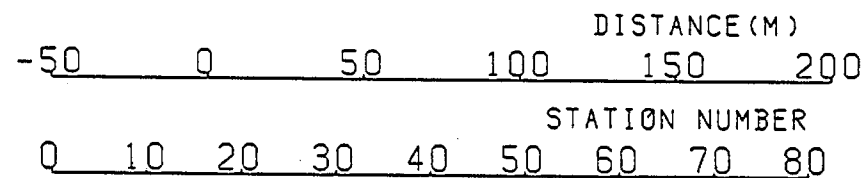
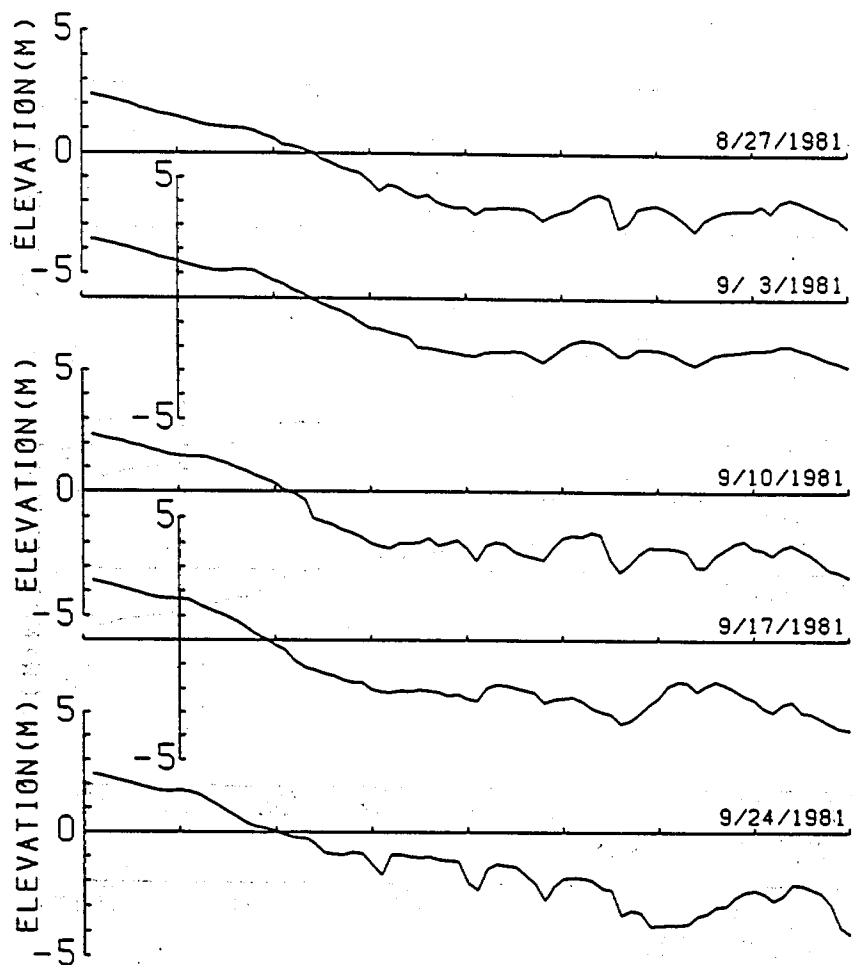
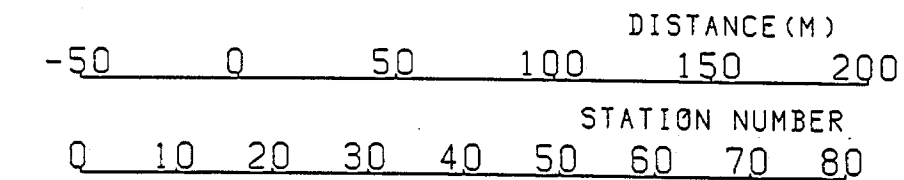


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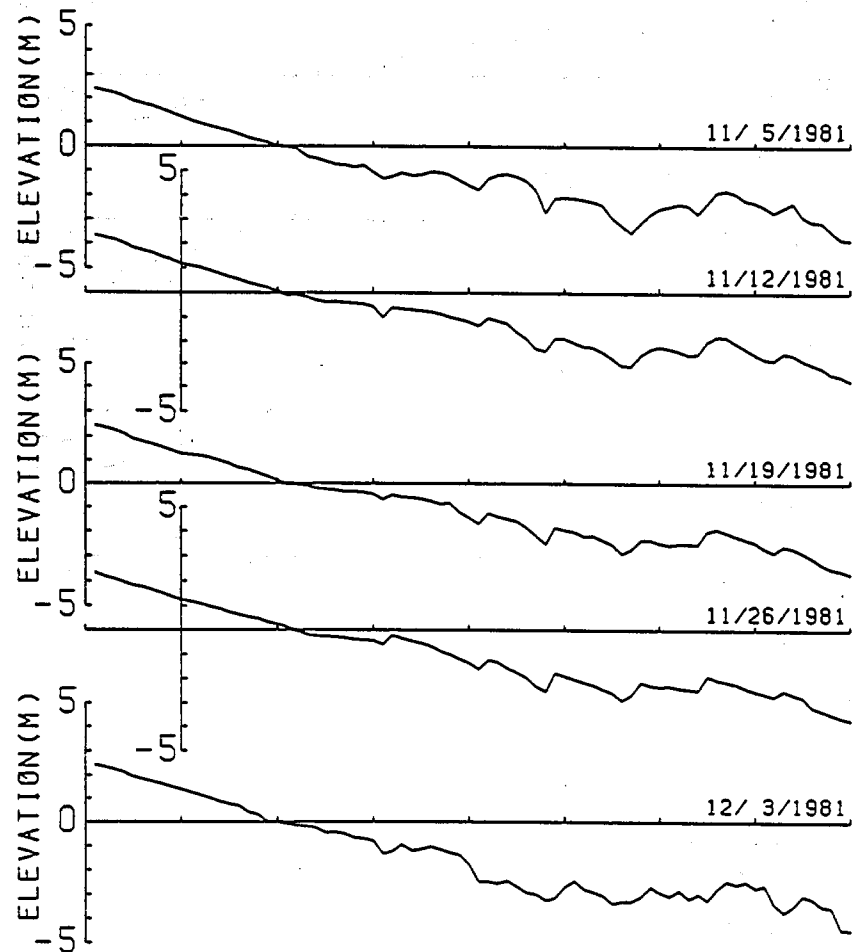




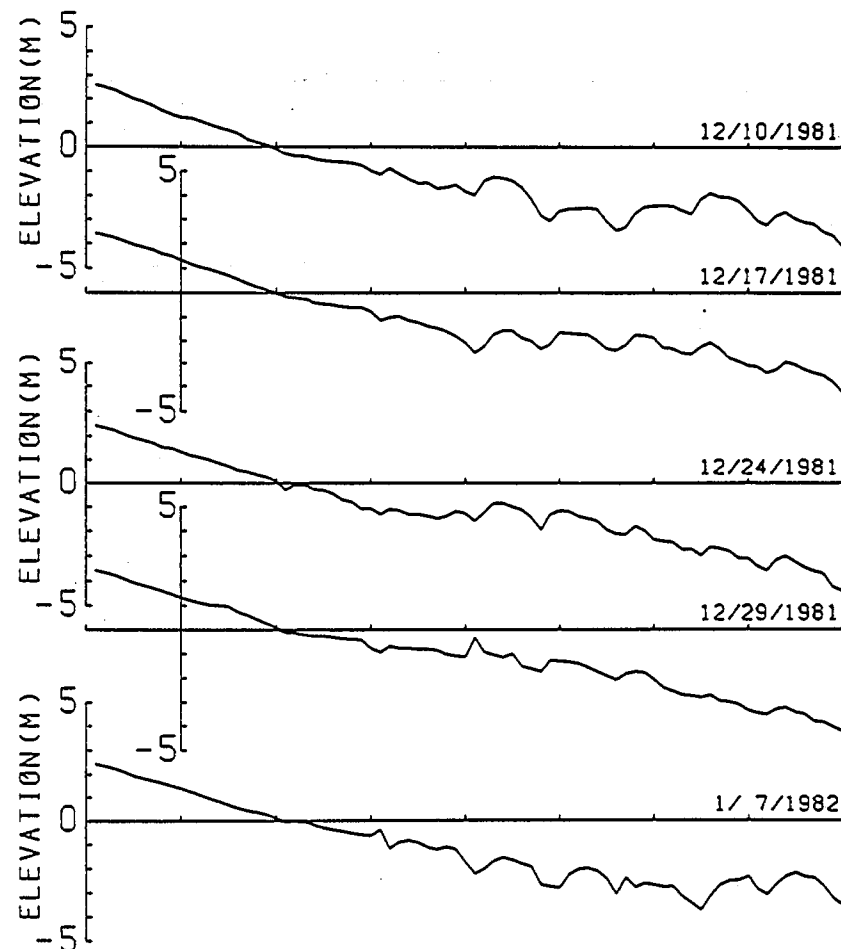


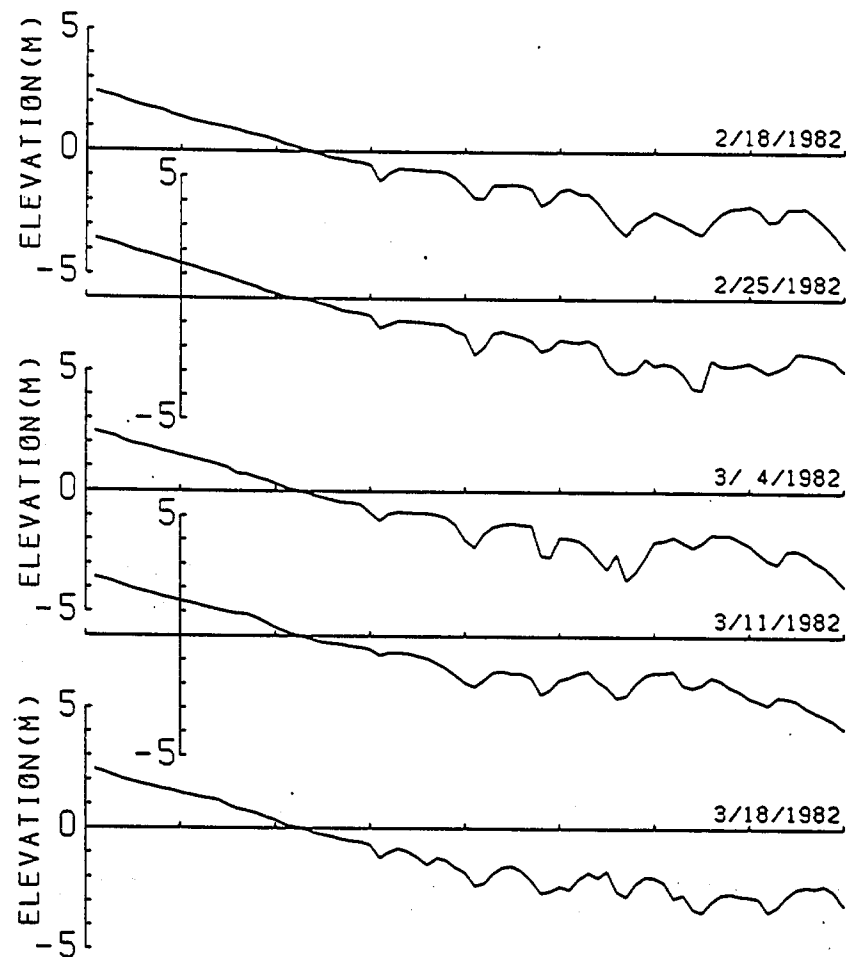
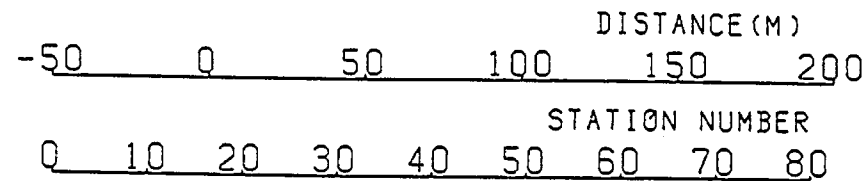
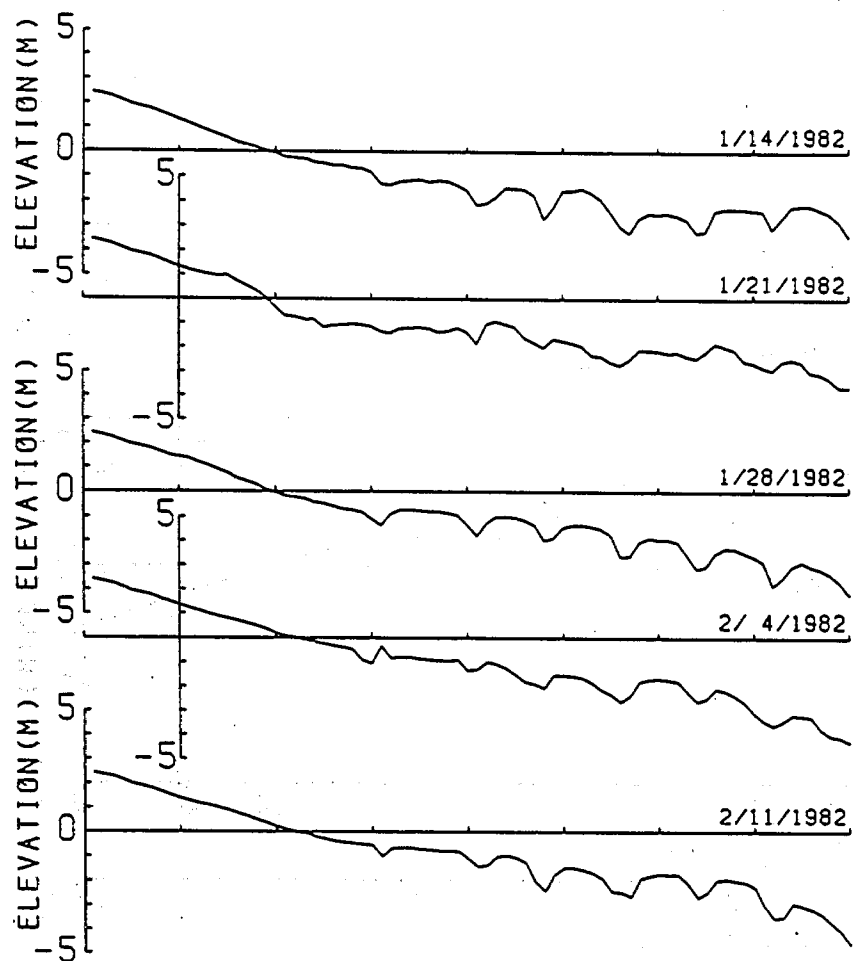
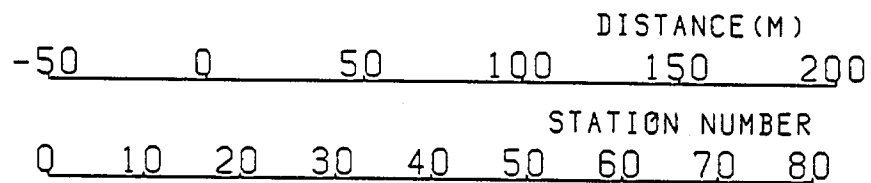


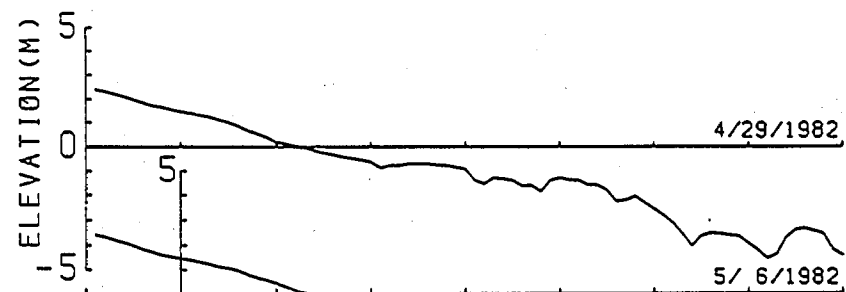
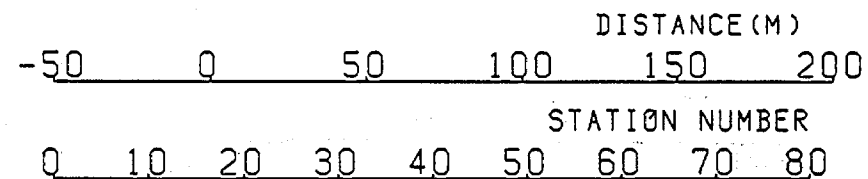
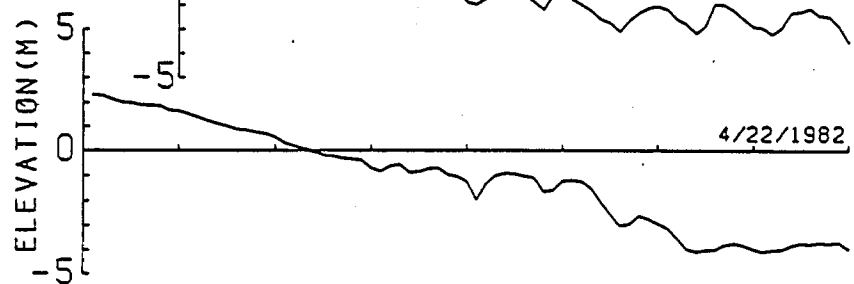
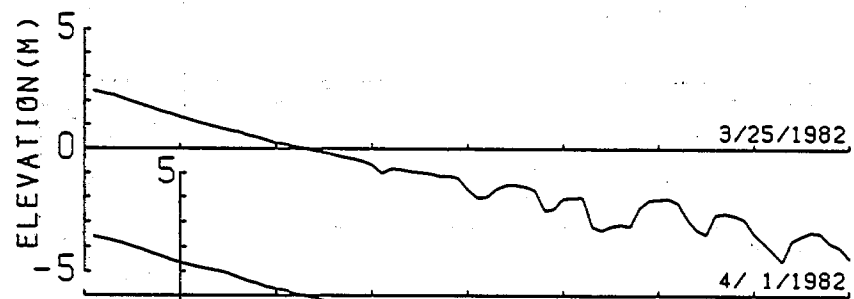
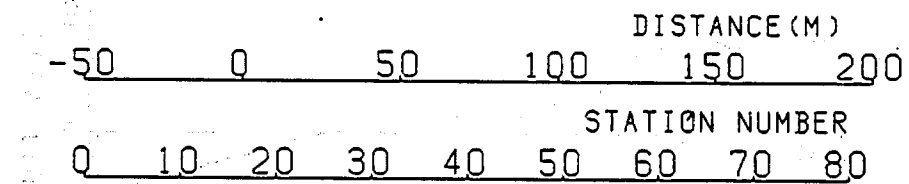
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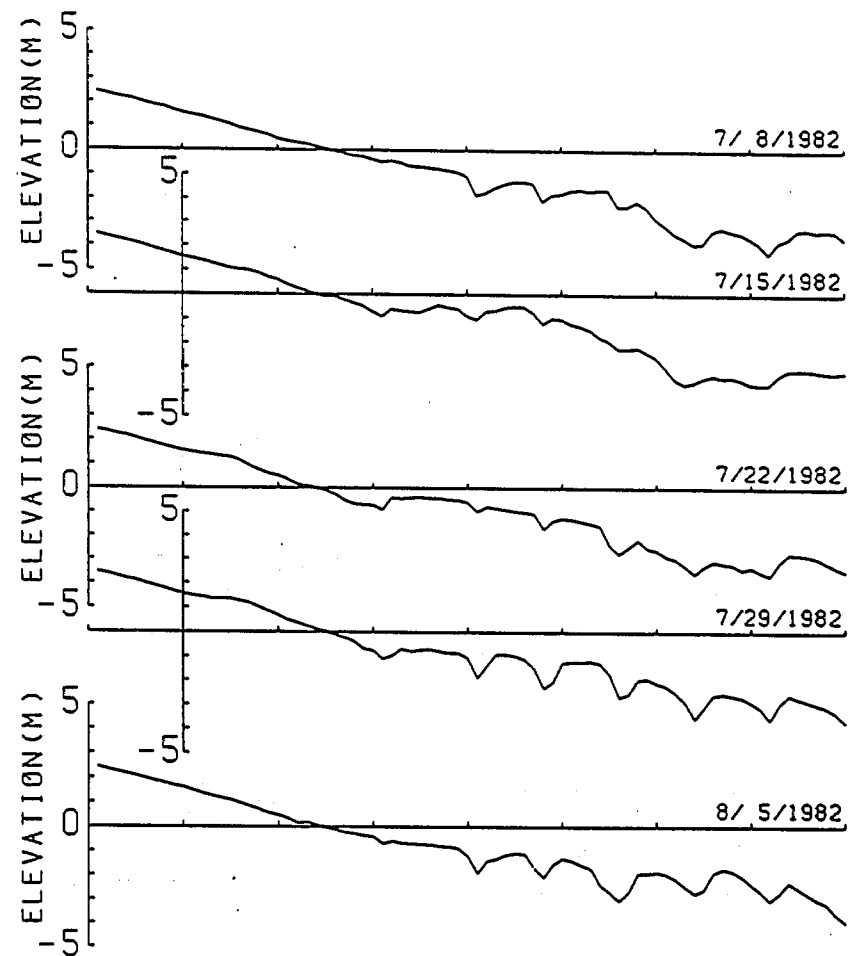
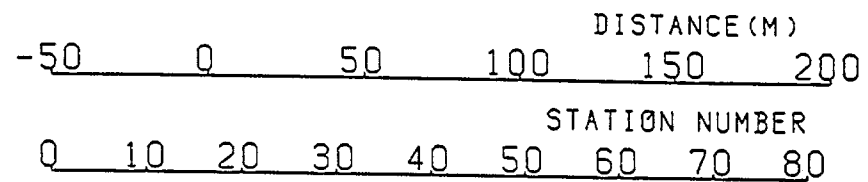
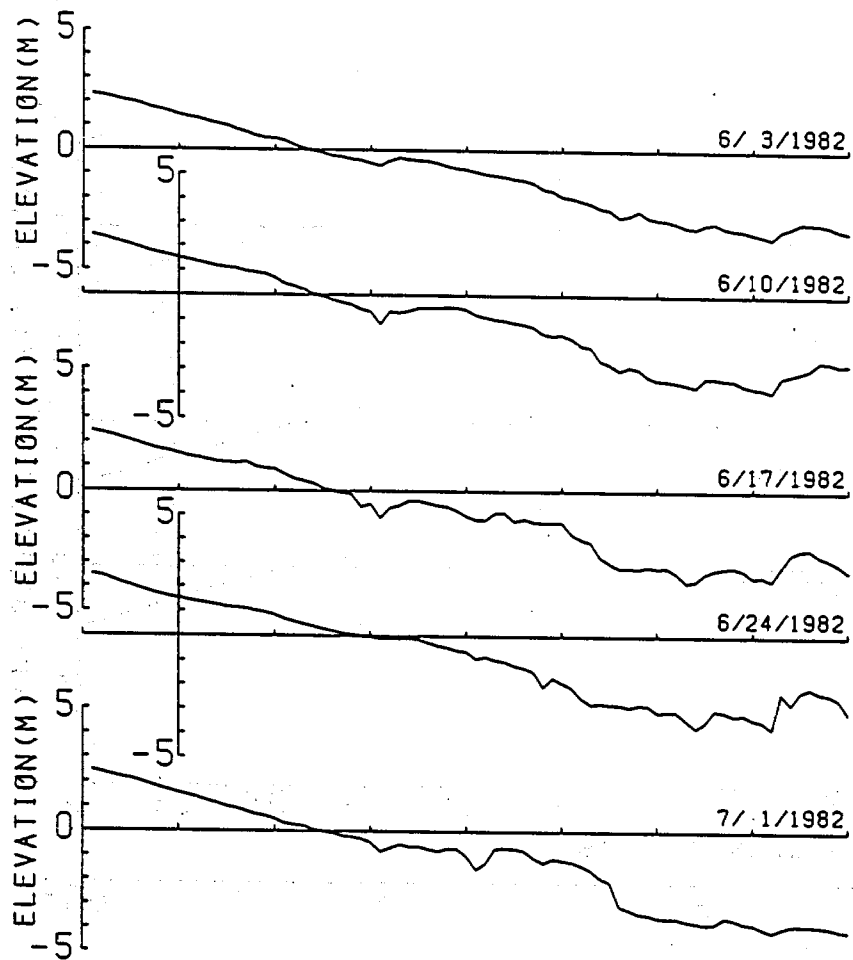
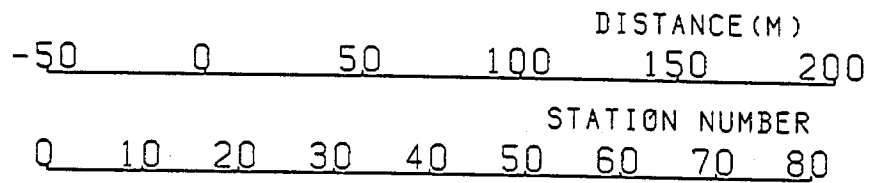


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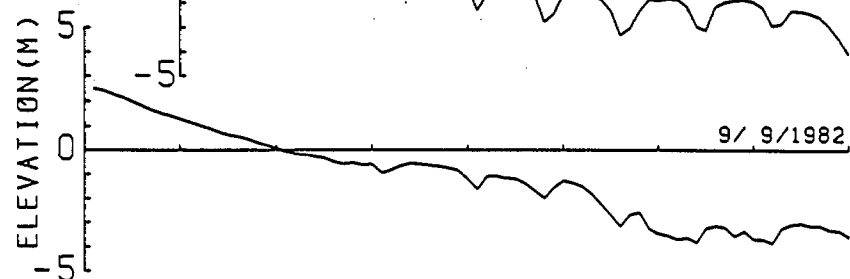
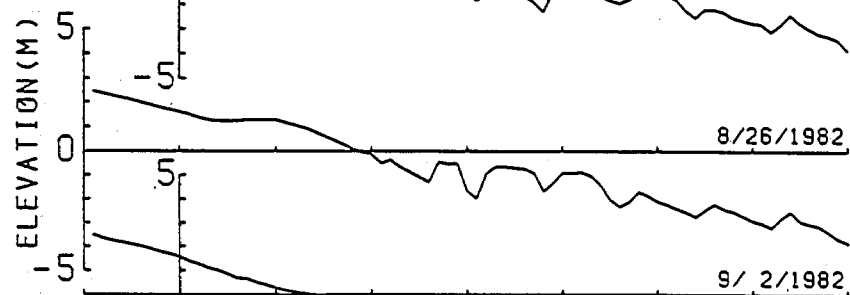
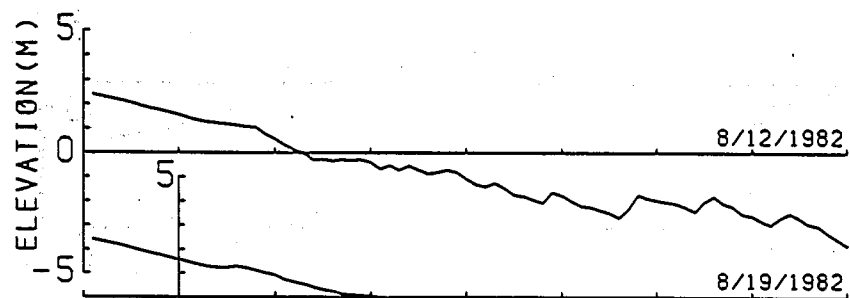




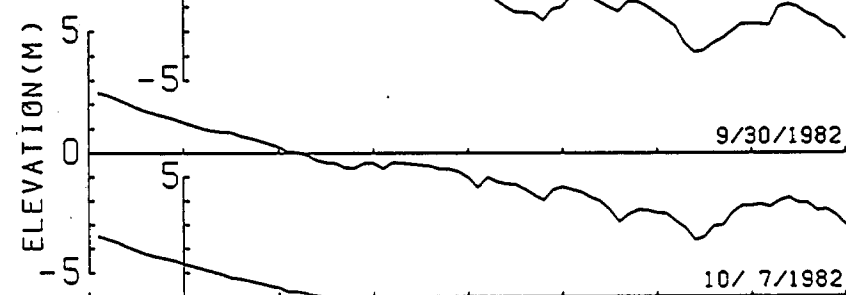
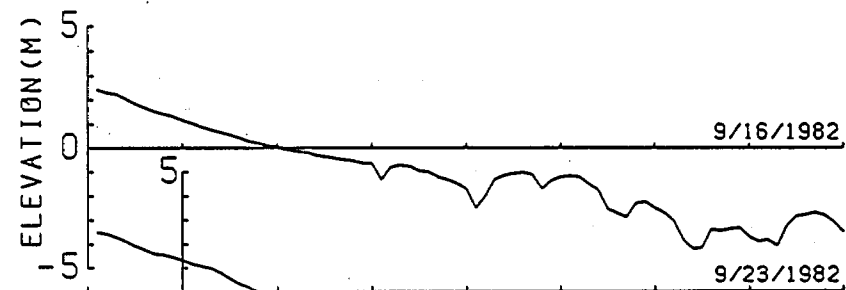


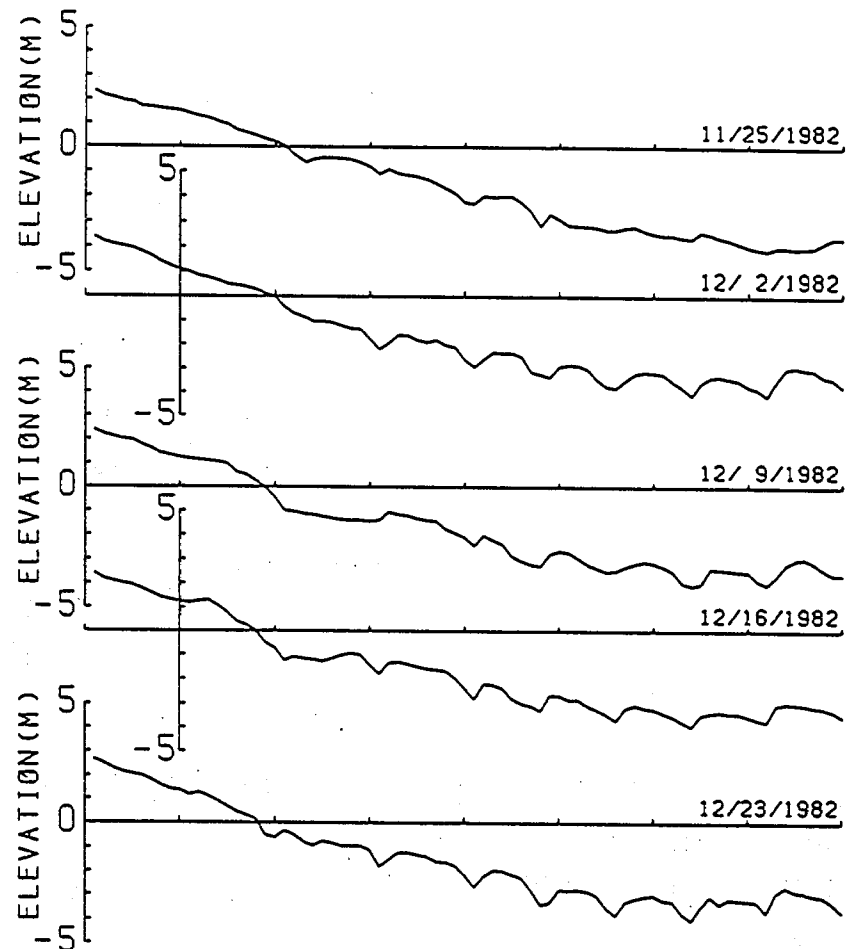
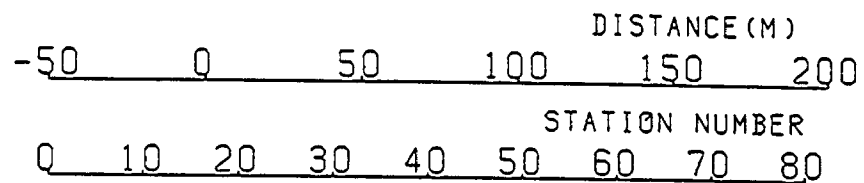
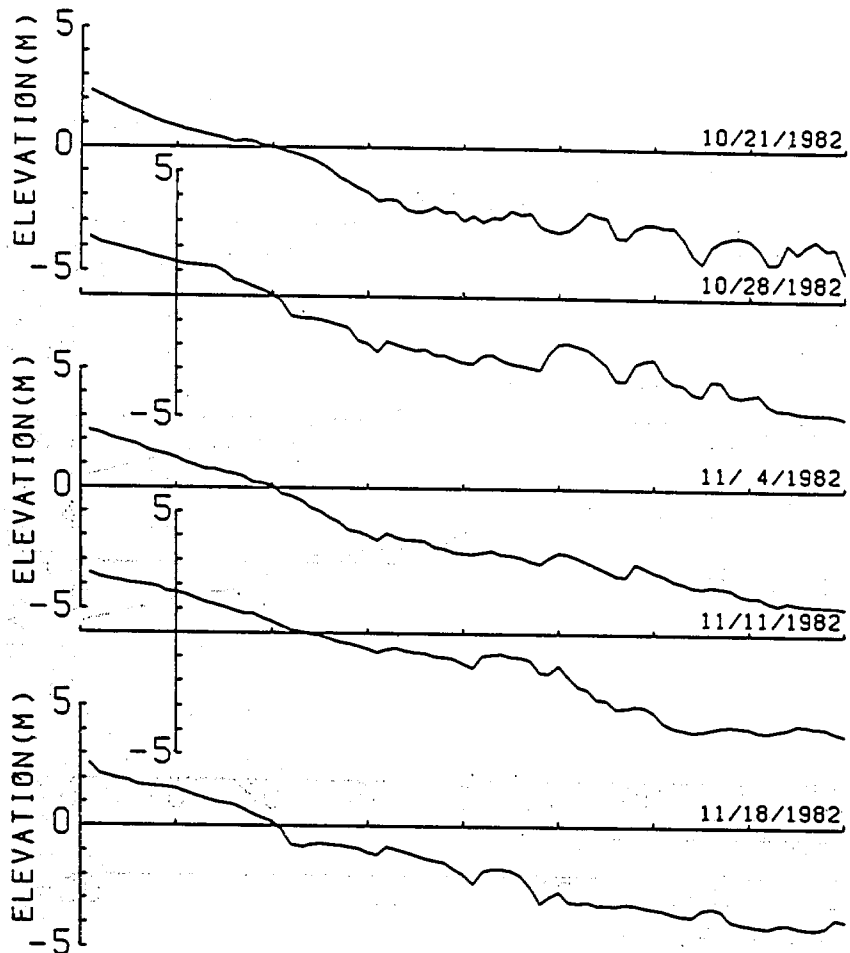
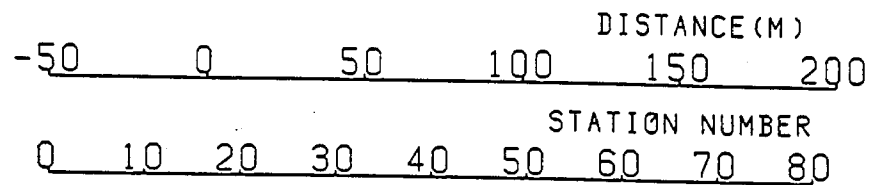


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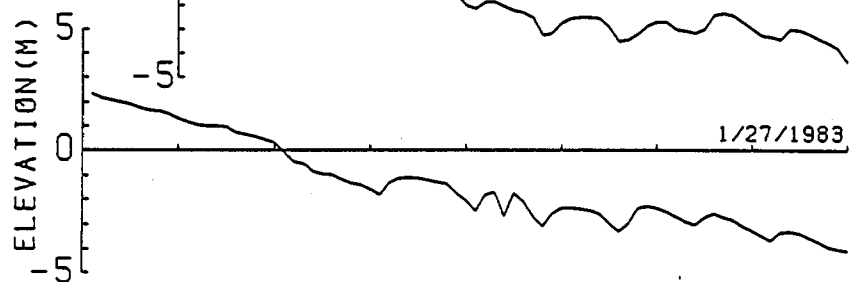
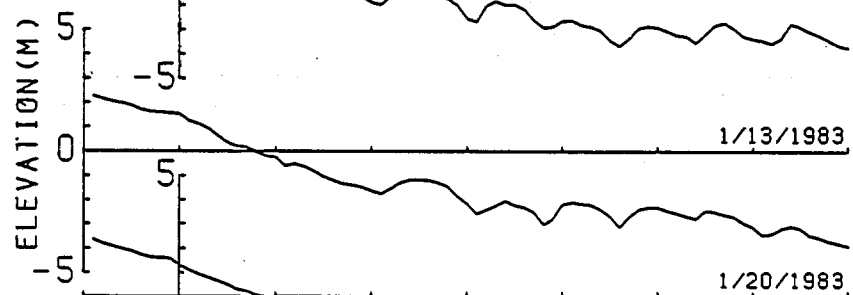
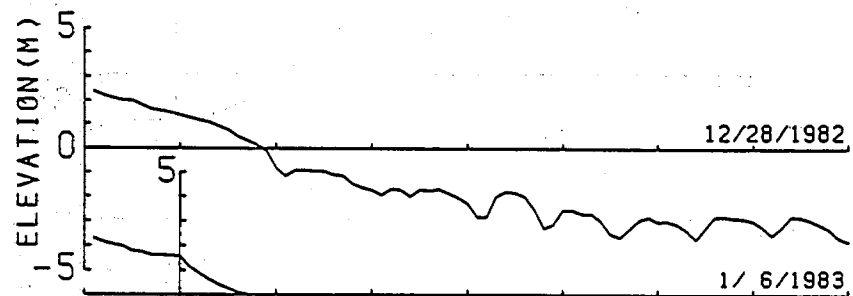


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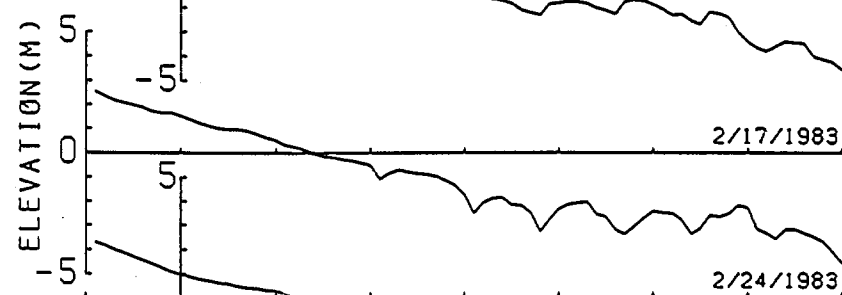
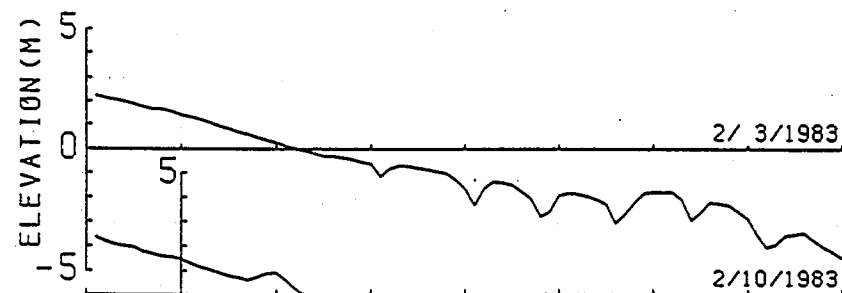


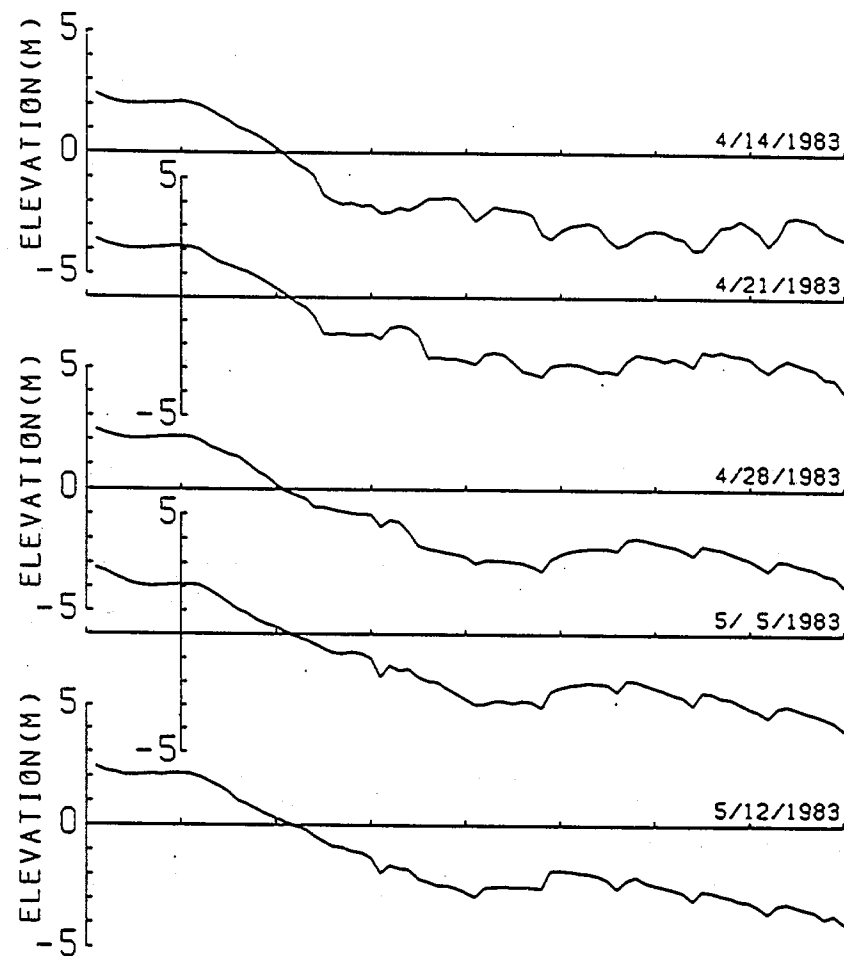
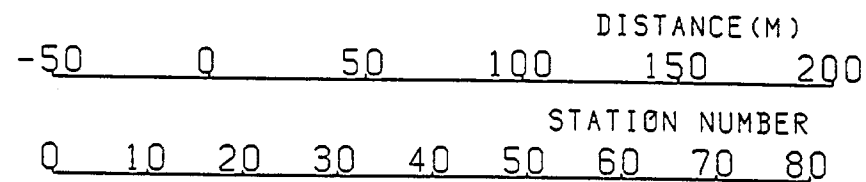
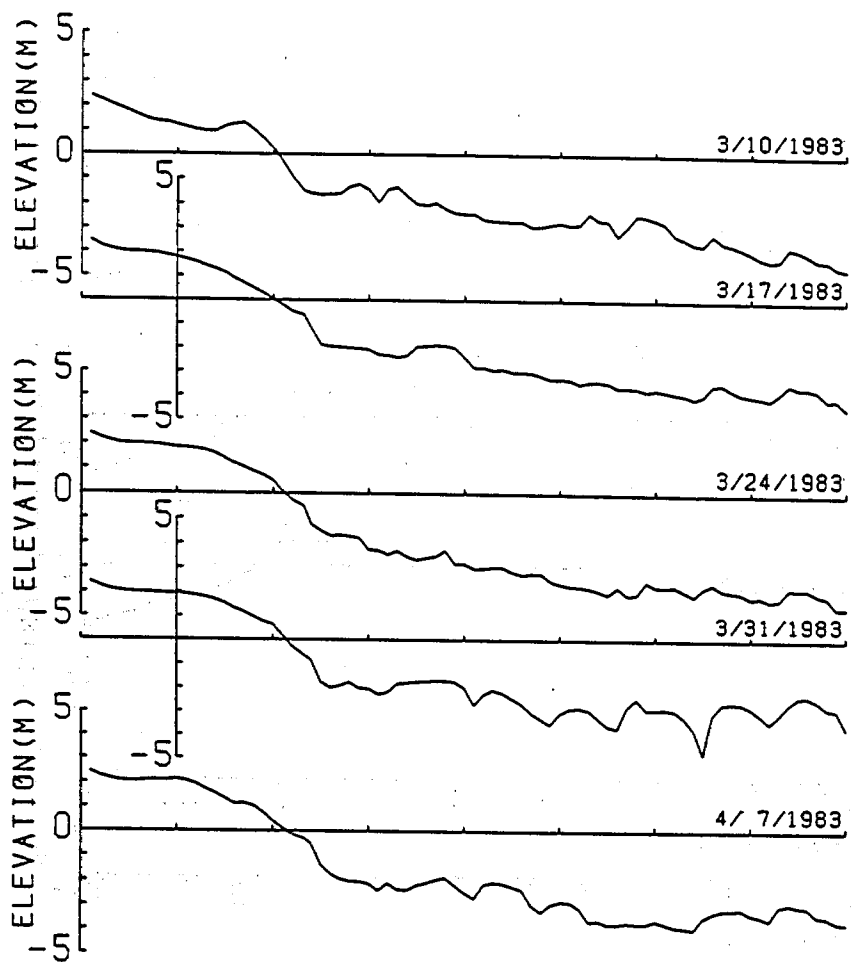
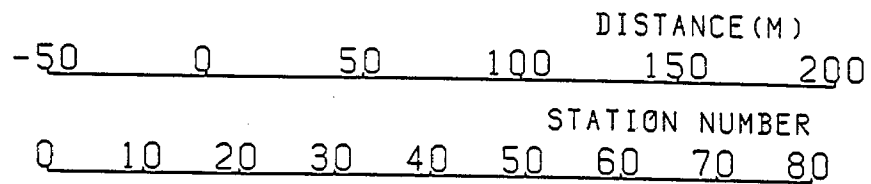


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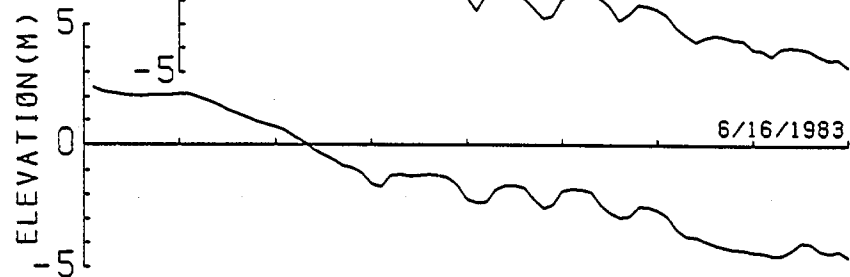
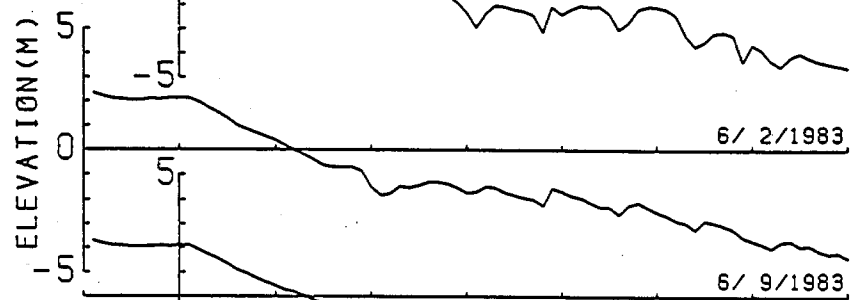
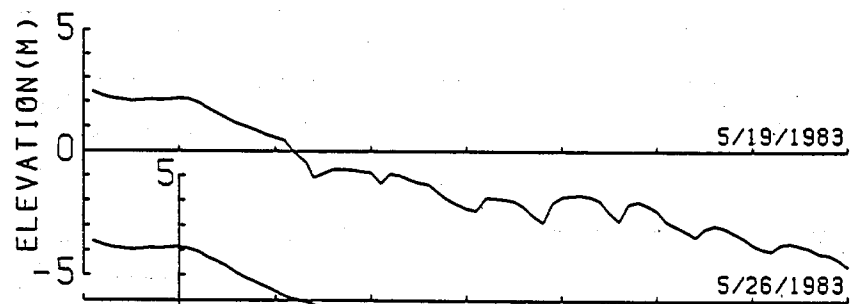


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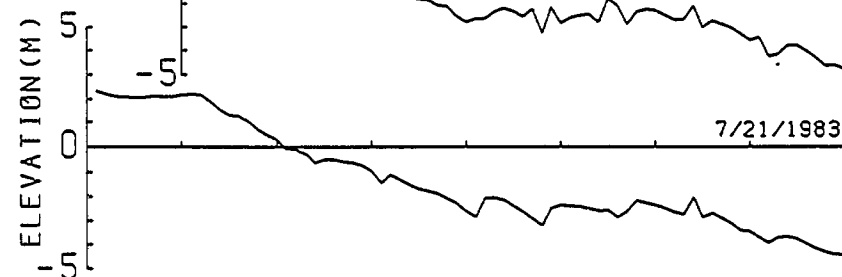
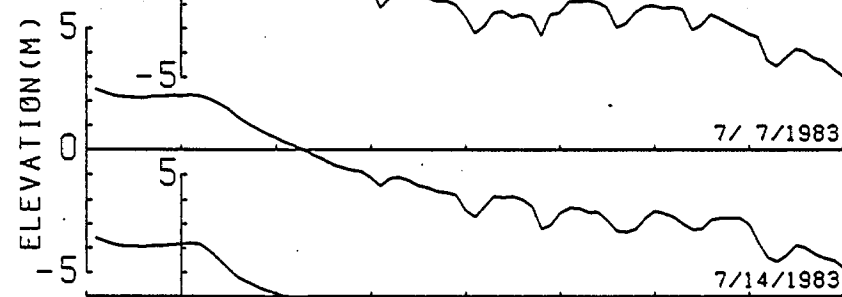
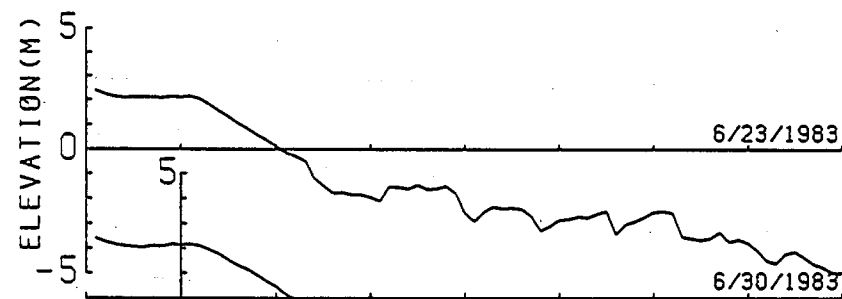


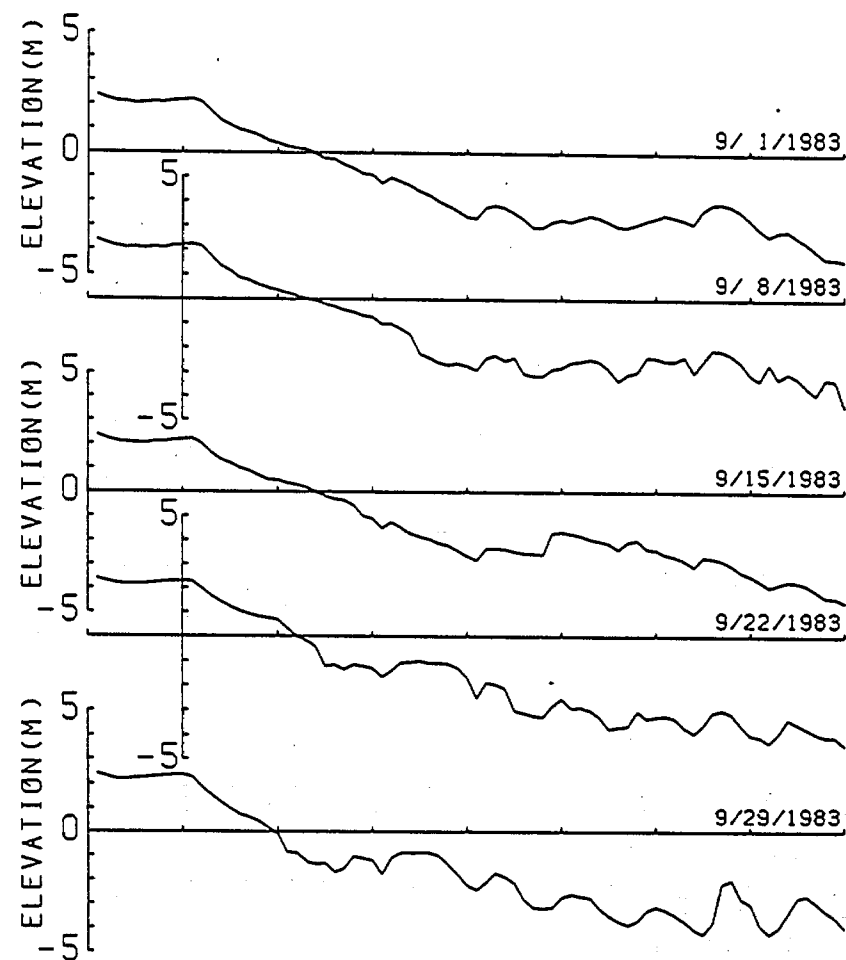
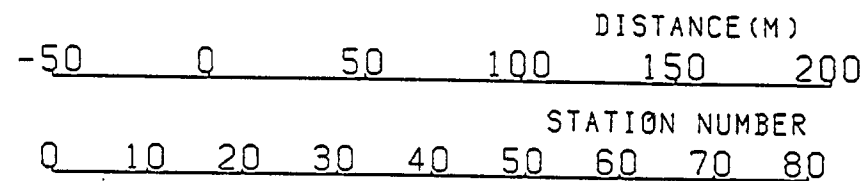
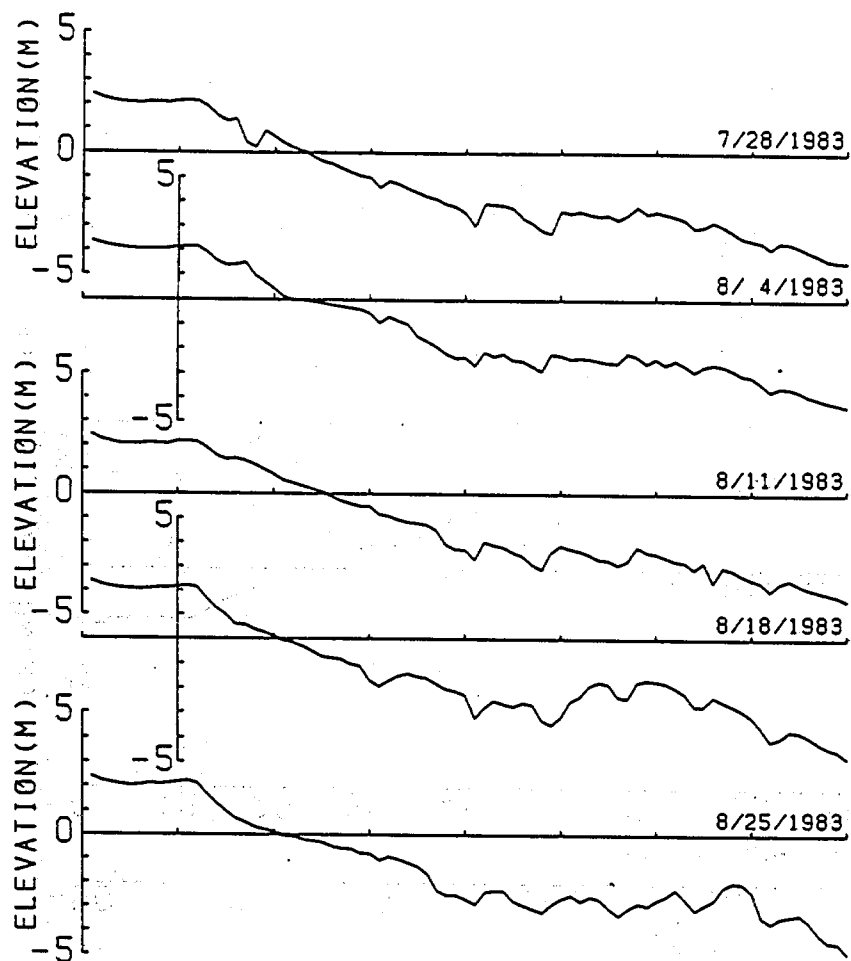
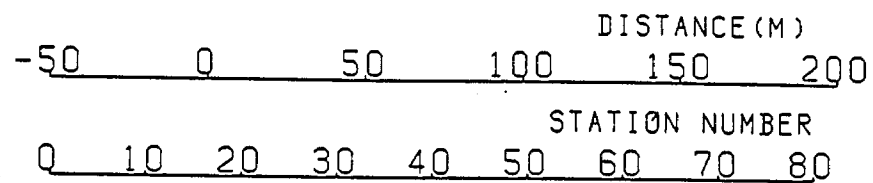


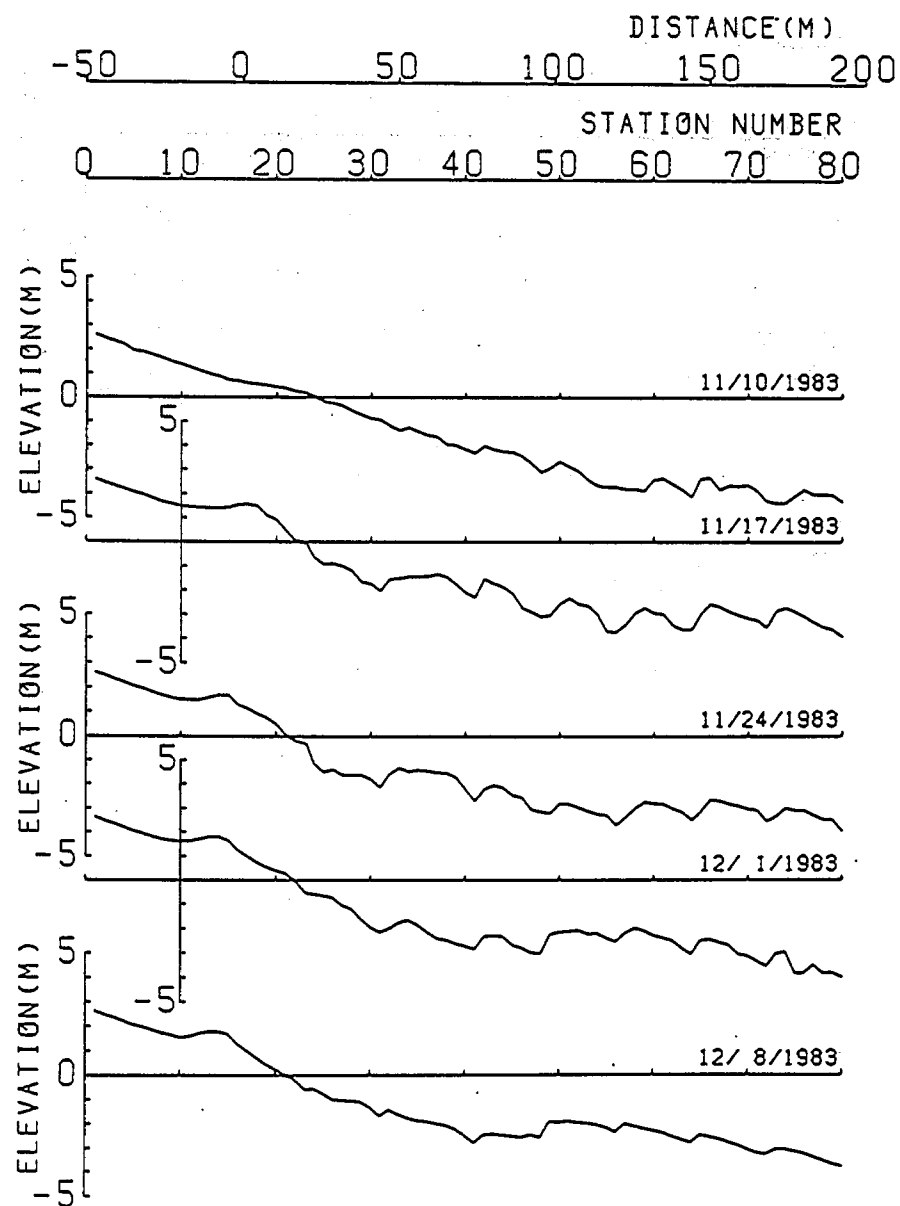
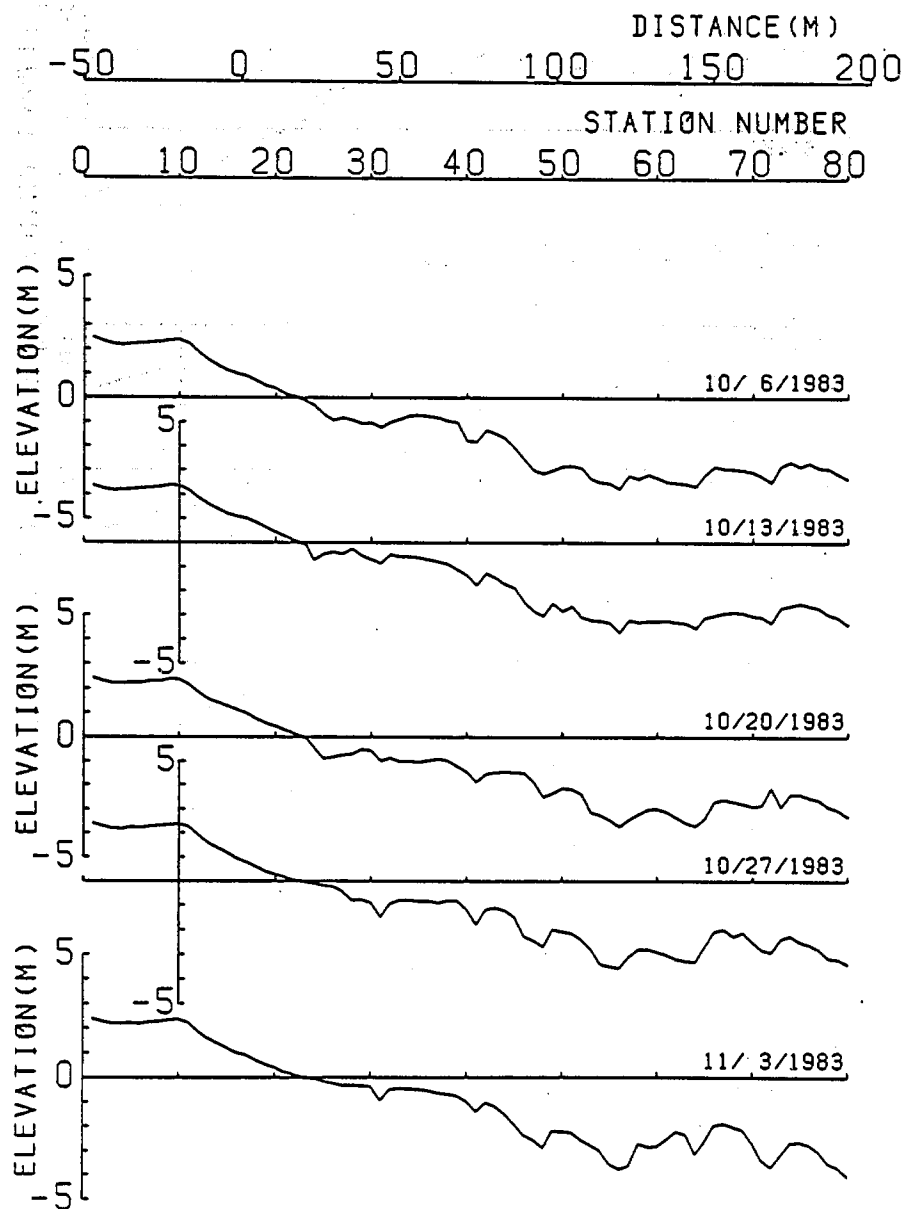
DISTANCE (M)
-50 0 50 100 150 200
STATION NUMBER
0 10 20 30 40 50 60 70 80

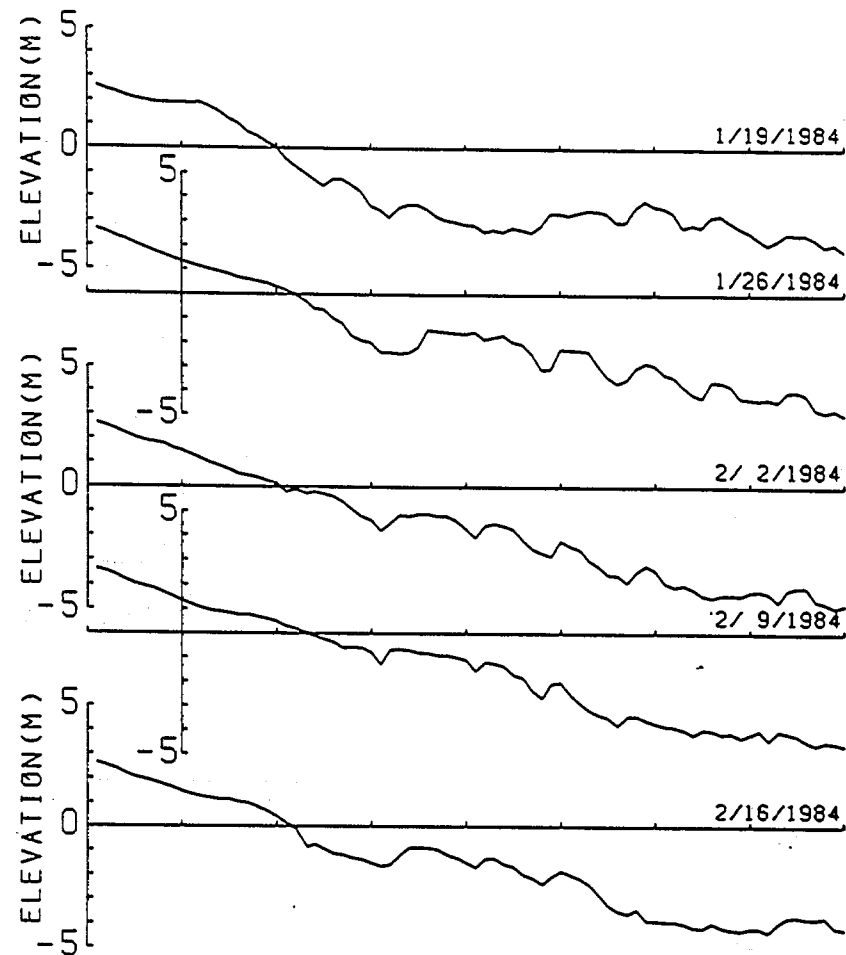
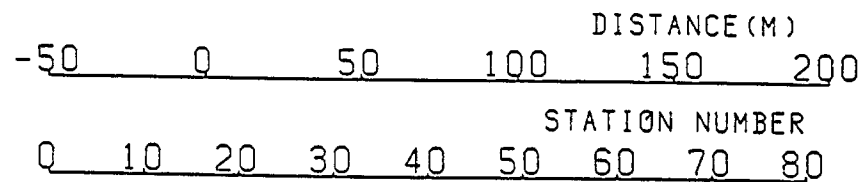
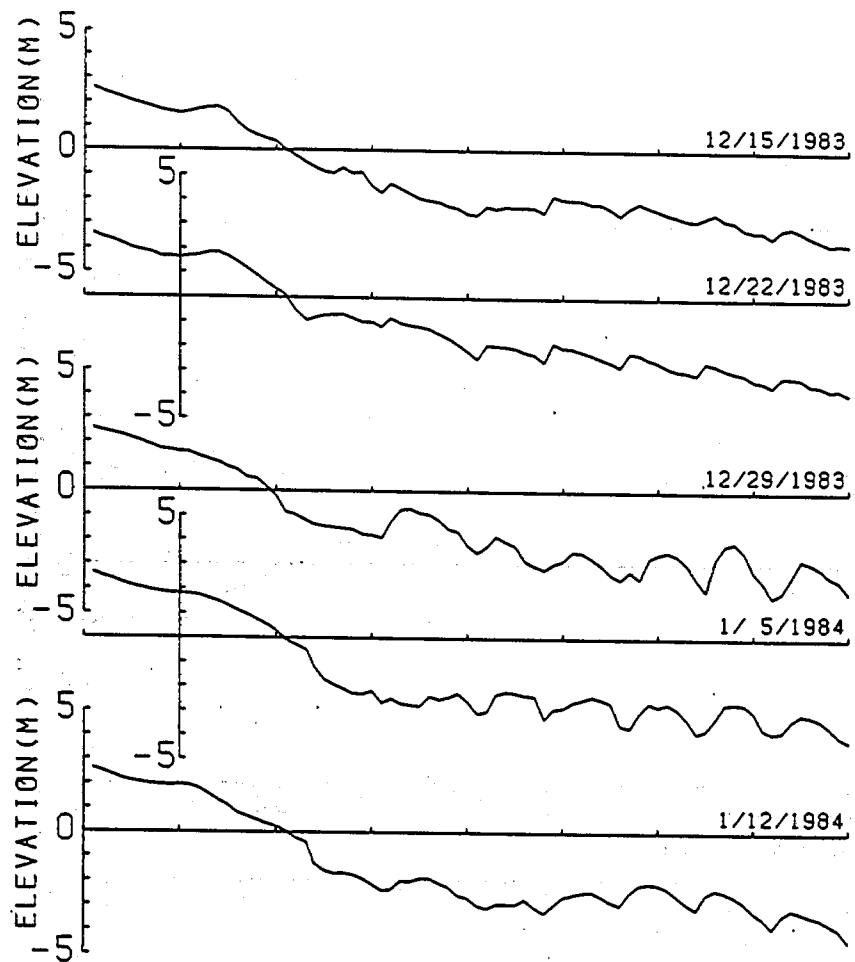
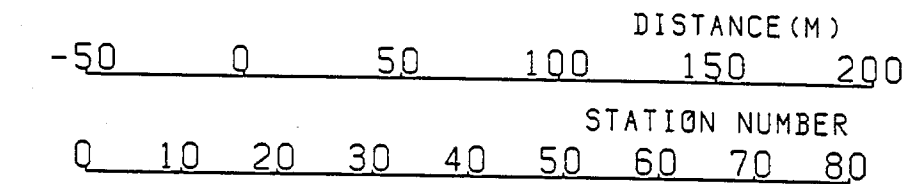


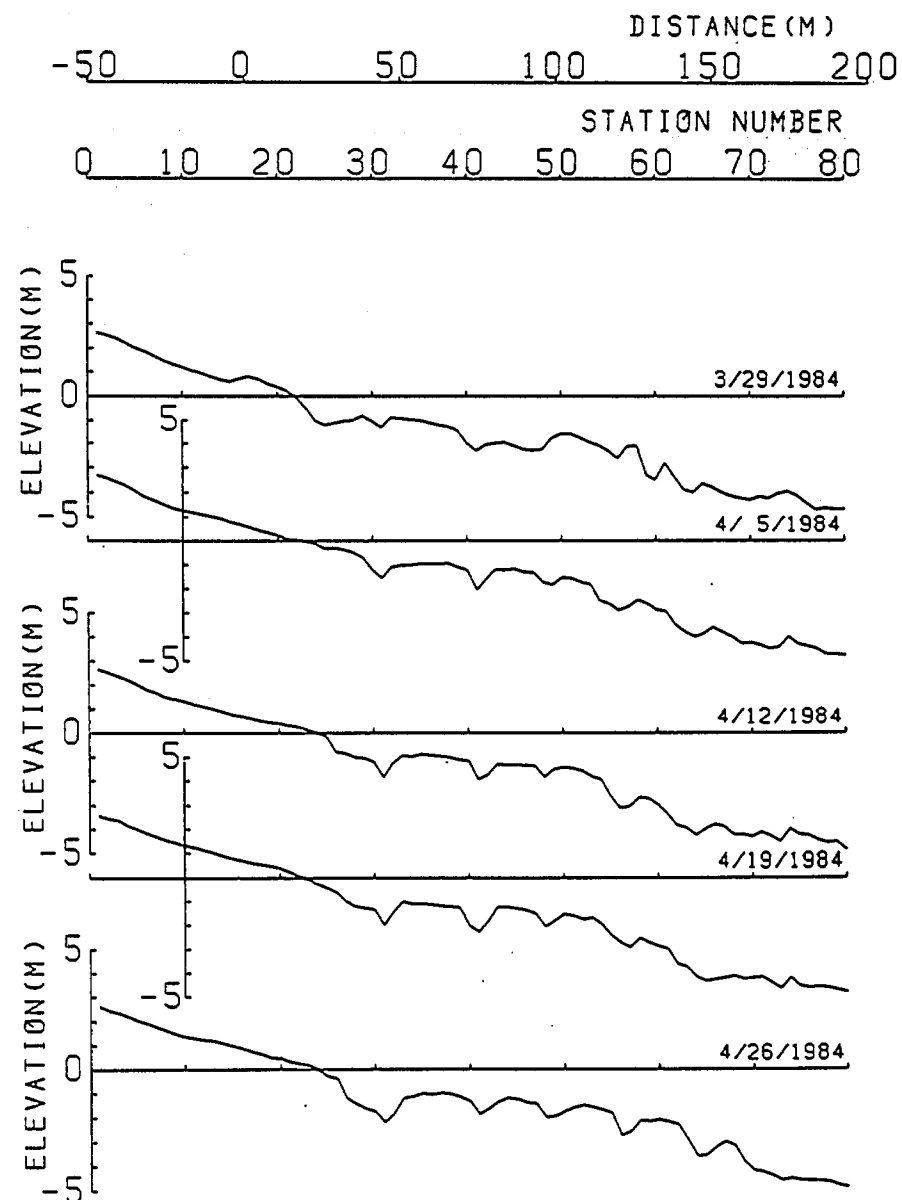
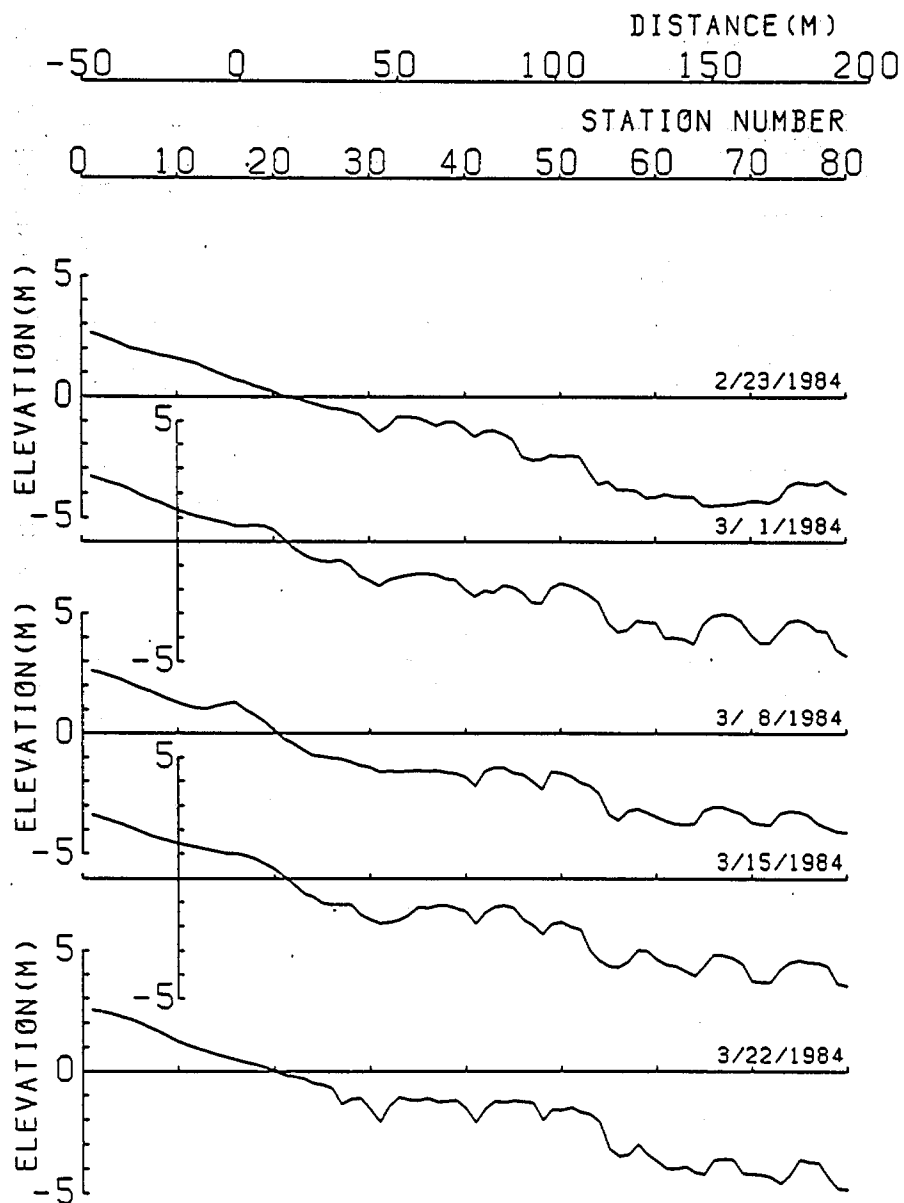
DISTANCE (M)
-50 0 50 100 150 200
STATION NUMBER
0 10 20 30 40 50 60 70 80



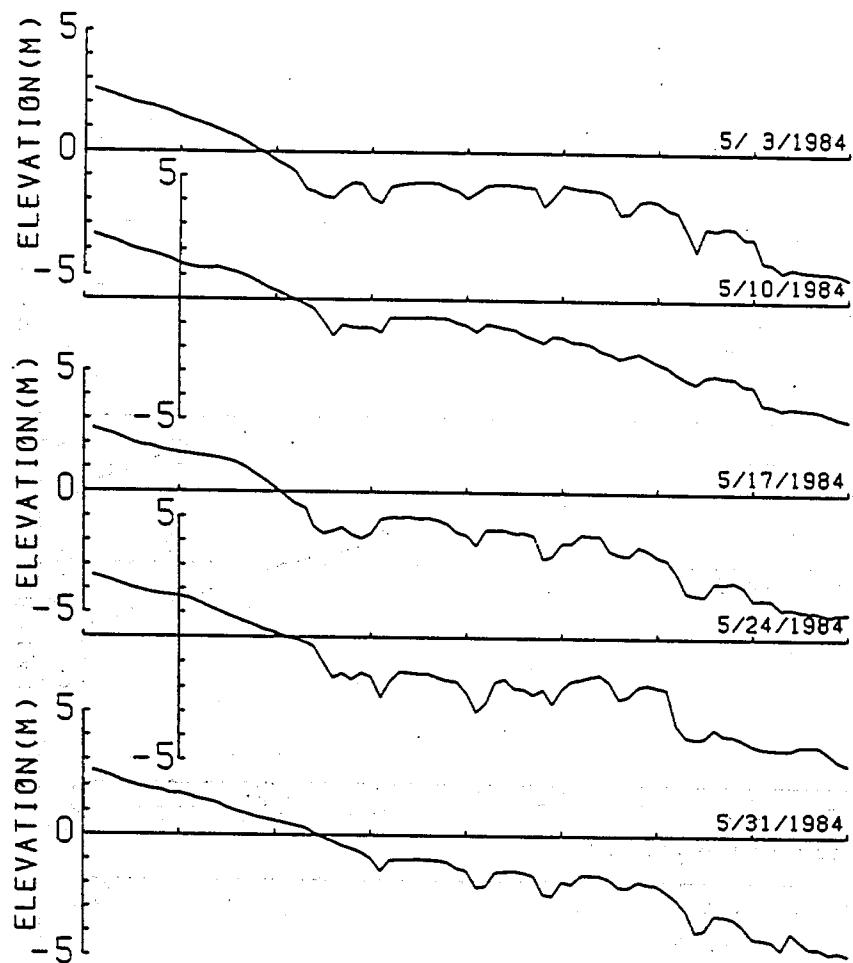




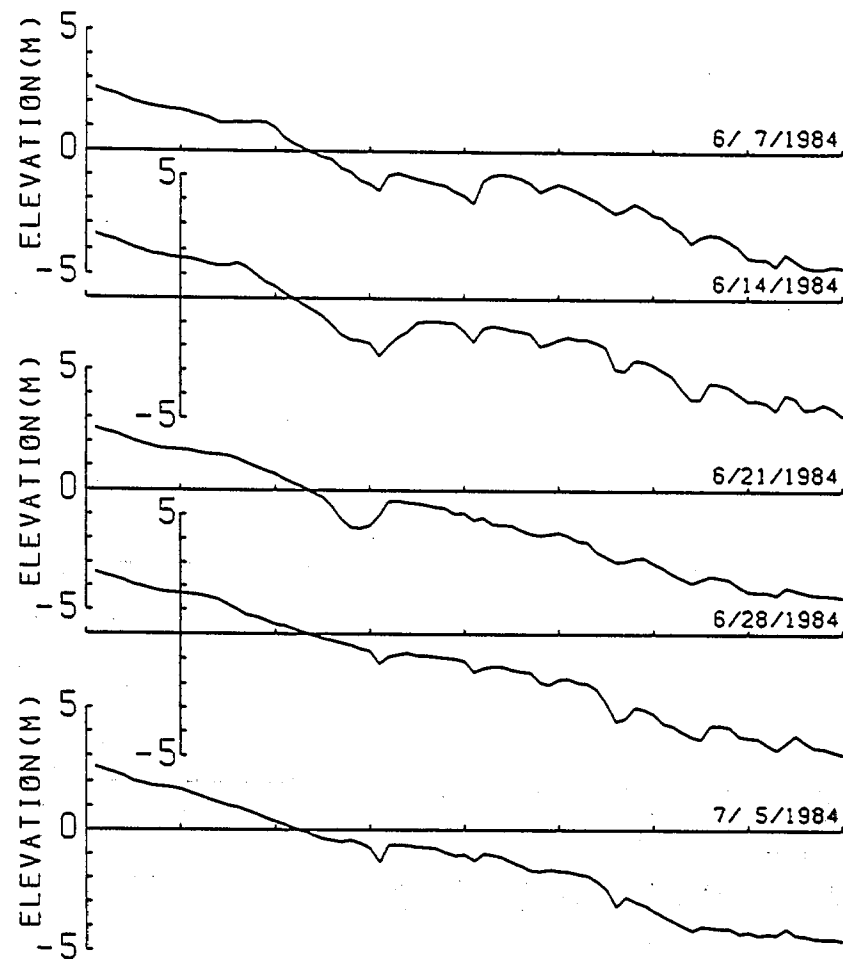




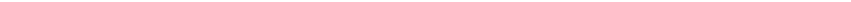
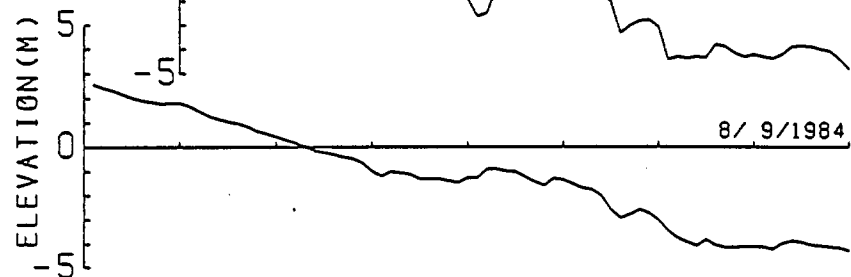
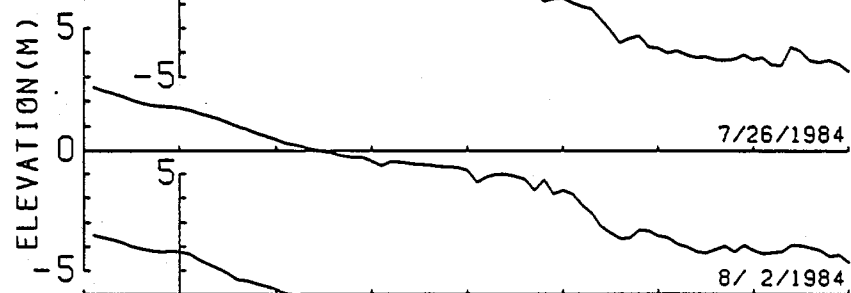
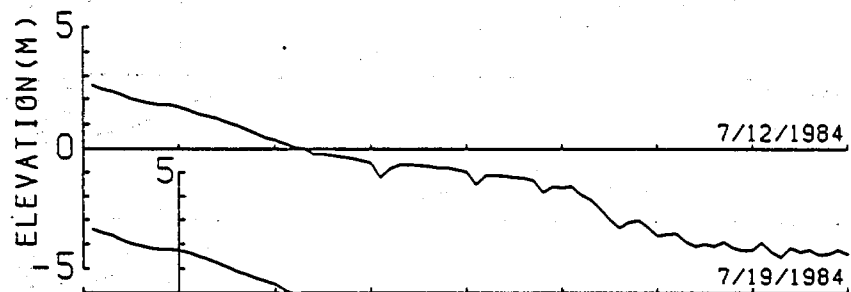
DISTANCE (M)
 -50 0 50 100 150 200
 STATION NUMBER
 0 10 20 30 40 50 60 70 80



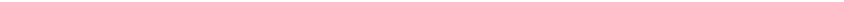
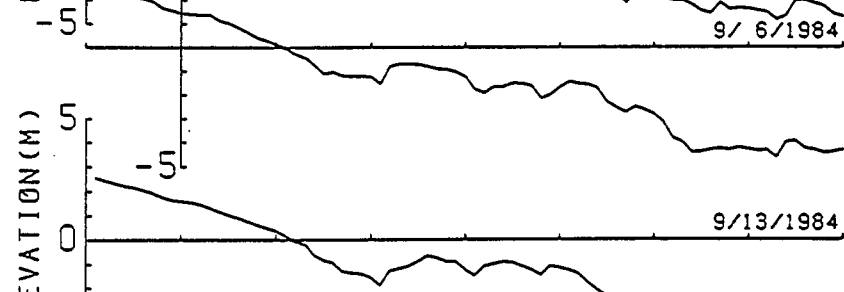
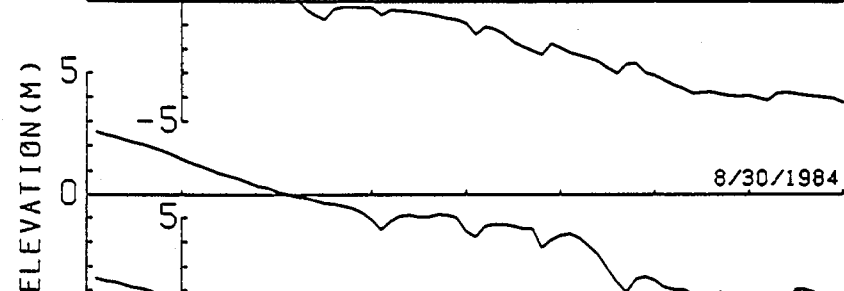
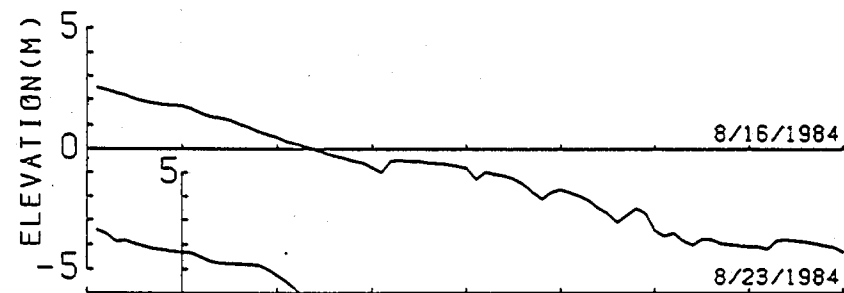
DISTANCE (M)
 -50 0 50 100 150 200
 STATION NUMBER
 0 10 20 30 40 50 60 70 80

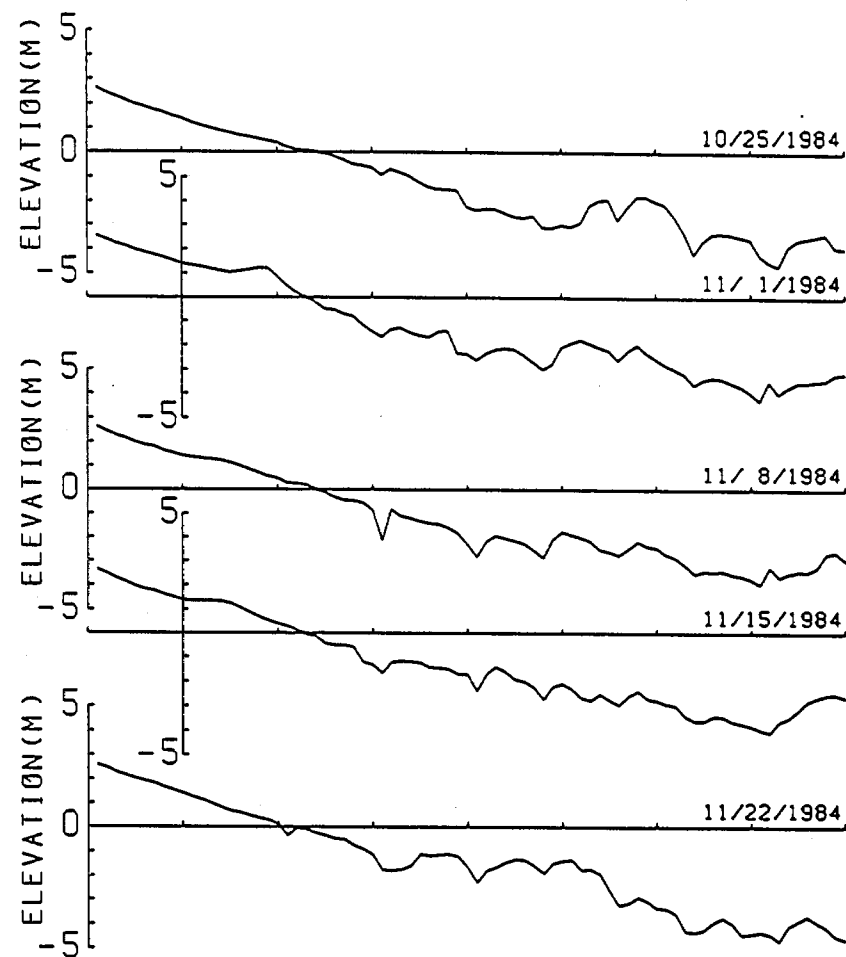
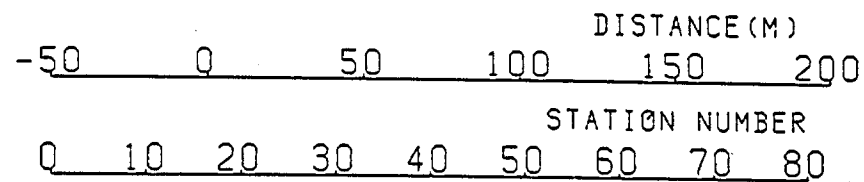
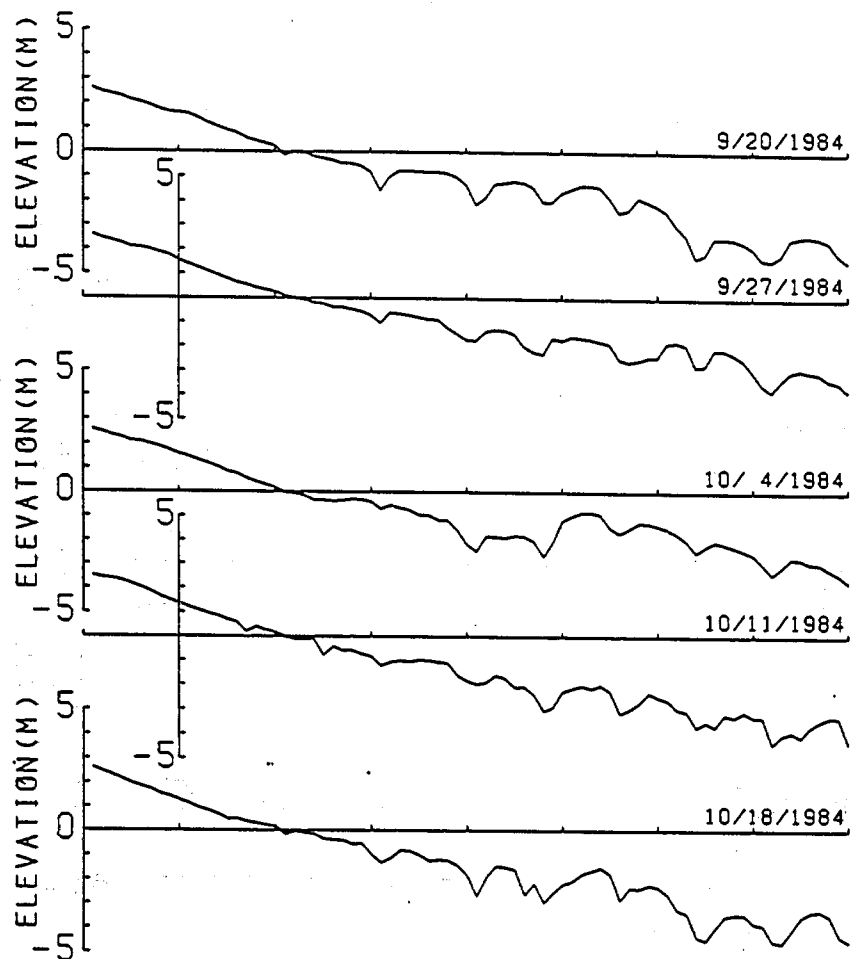
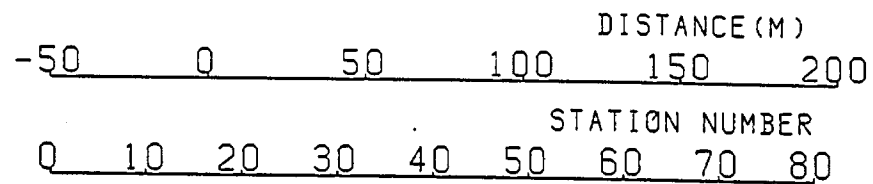


DISTANCE (M)
-50 0 50 100 150 200
STATION NUMBER
0 10 20 30 40 50 60 70 80



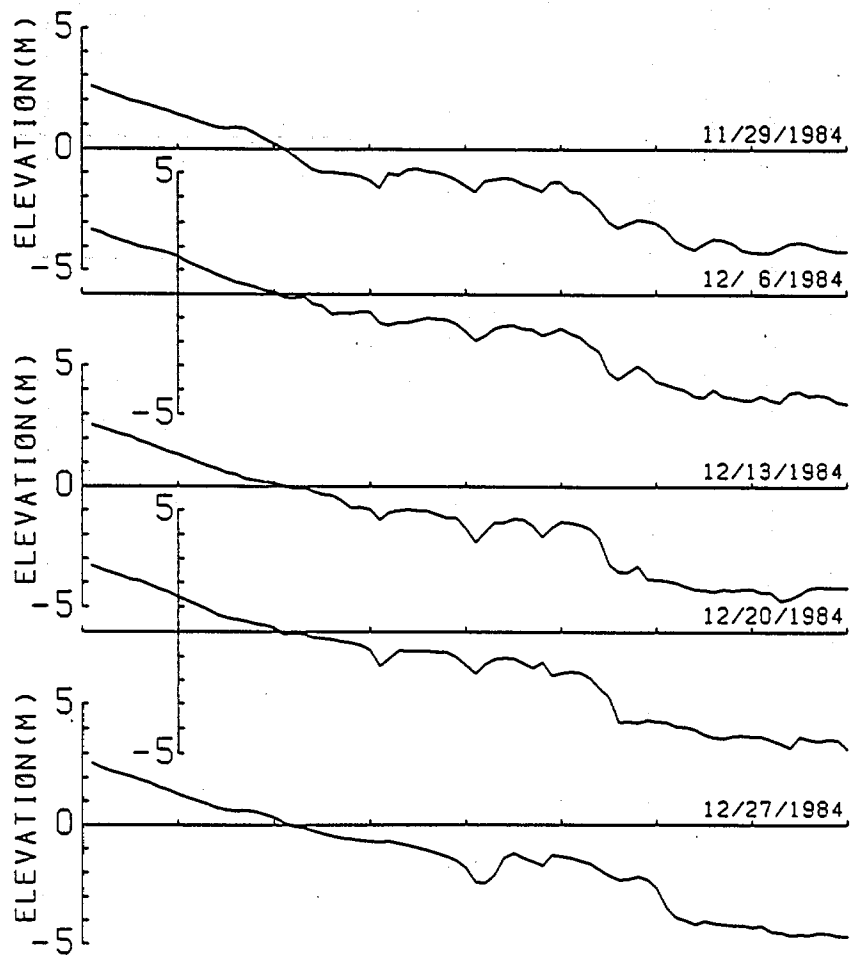
DISTANCE (M)
-50 0 50 100 150 200
STATION NUMBER
0 10 20 30 40 50 60 70 80





DISTANCE (M)
 -50 0 50 100 150 200

STATION NUMBER
 0 10 20 30 40 50 60 70 80



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. No. 1 locates at the shoreward end of the pier and 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. No. 1 through No. 10 locate in the south side of the pier, and No. 11 through No. 20 locate in the north side. Both 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 breaker height. In such cases measurement of the longshore beach profile was performed at No. 16, where is 15 meters landward from the usual survey line. The dates that satisfy the 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	1977	1978	1979	1980	1981	1982	1983	1984
	8/25	1/12	6/14	1/31	1/8	11/11	1/6	1/5
MONTH/DAY	10/6		6/21	12/4	1/15	12/2	1/13	1/19
	11/3		6/28	12/26	4/9	12/16	3/24	1/26
	11/17		7/5		4/16	12/28	7/7	2/2
			7/12		9/24		8/18	2/9
			7/19				9/29	2/16
			8/16				11/24	3/15
			10/18				12/1	10/18
			11/8				12/29	11/22
			11/15					11/29
			11/22					12/20
			11/30					
			12/13					

2/ 5/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	-0.15	41	-2.35	61	-2.45
2	2.19	22	-0.22	42	-1.57	62	-2.79
3	2.07	23	-0.30	43	-1.33	63	-3.32
4	1.98	24	-0.36	44	-1.25	64	-3.32
5	1.92	25	-0.37	45	-1.30	65	-3.23
6	1.83	26	-0.51	46	-1.33	66	-3.25
7	1.67	27	-0.57	47	-1.48	67	-3.37
8	1.62	28	-0.64	48	-2.24	68	-3.56
9	1.62	29	-0.72	49	-1.71	69	-3.75
10	1.64	30	-0.89	50	-1.60	70	-3.97
11	1.67	31	-1.48	51	-1.50	71	-4.27
12	1.67	32	-1.00	52	-1.52	72	-4.00
13	1.26	33	-0.90	53	-1.62	73	-3.84
14	0.98	34	-0.86	54	-1.87	74	-3.87
15	0.78	35	-0.89	55	-2.40	75	-4.00
16	0.56	36	-0.98	56	-2.35	76	-4.05
17	0.41	37	-1.14	57	-2.00	77	-4.11
18	0.23	38	-1.22	58	-1.98	78	-4.25
19	0.09	39	-1.36	59	-2.12	79	-4.48
20	-0.02	40	-1.67	60	-2.28	80	-4.60

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

2/12/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.04	41	-2.80	61	-2.22
2	2.28	22	-0.05	42	-2.90	62	-2.22
3	2.19	23	-0.20	43	-2.93	63	-2.53
4	2.08	24	-0.51	44	-3.15	64	-3.29
5	1.88	25	-1.14	45	-3.07	65	-3.20
6	1.77	26	-1.33	46	-3.00	66	-3.30
7	1.62	27	-1.47	47	-3.05	67	-3.20
8	1.51	28	-1.59	48	-3.27	68	-3.80
9	1.40	29	-1.62	49	-3.47	69	-3.89
10	1.32	30	-1.51	50	-3.24	70	-4.10
11	1.22	31	-1.80	51	-2.80	71	-4.22
12	1.11	32	-1.90	52	-2.60	72	-4.24
13	1.00	33	-1.82	53	-2.70	73	-4.60
14	0.91	34	-1.94	54	-2.58	74	-4.25
15	0.80	35	-1.85	55	-2.65	75	-4.04
16	0.56	36	-2.09	56	-2.82	76	-4.04
17	0.54	37	-2.21	57	-2.66	77	-3.99
18	0.45	38	-2.10	58	-2.41	78	-3.96
19	0.33	39	-2.29	59	-2.10	79	-4.85
20	0.20	40	-2.52	60	-2.12	80	-4.88

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

2/19/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.60	41	-2.27	61	-3.74
2	2.28	22	-1.00	42	-2.36	62	-3.84
3	2.19	23	-1.15	43	-2.38	63	-3.82
4	2.08	24	-1.24	44	-2.45	64	-3.85
5	1.99	25	-1.30	45	-2.90	65	-3.95
6	1.83	26	-1.39	46	-2.80	66	-3.90
7	1.67	27	-1.44	47	-2.70	67	-4.00
8	1.48	28	-1.56	48	-3.27	68	-3.94
9	1.24	29	-1.55	49	-3.30	69	-3.99
10	1.04	30	-1.61	50	-3.34	70	-4.00
11	0.87	31	-1.67	51	-3.09	71	-4.03
12	0.73	32	-1.48	52	-3.17	72	-4.38
13	0.69	33	-1.52	53	-3.43	73	-4.44
14	0.68	34	-1.57	54	-3.39	74	-4.00
15	0.61	35	-1.51	55	-3.59	75	-4.38
16	0.46	36	-1.59	56	-3.49	76	-4.36
17	0.29	37	-1.65	57	-3.71	77	-4.45
18	0.04	38	-1.69	58	-3.50	78	-4.45
19	-0.13	39	-1.68	59	-3.51	79	-4.55
20	-0.32	40	-1.91	60	-3.70	80	-4.56

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

2/26/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.30	41	-2.53	61	-3.77
2	2.28	22	-0.32	42	-1.91	62	-3.82
3	2.19	23	-0.45	43	-1.80	63	-3.57
4	2.08	24	-0.59	44	-1.89	64	-4.00
5	1.99	25	-0.58	45	-2.19	65	-4.00
6	1.84	26	-0.55	46	-2.70	66	-4.00
7	1.68	27	-0.57	47	-2.85	67	-4.00
8	1.53	28	-0.78	48	-3.16	68	-4.10
9	1.35	29	-1.00	49	-3.02	69	-4.06
10	1.16	30	-1.07	50	-3.10	70	-4.18
11	1.01	31	-1.14	51	-3.08	71	-4.23
12	0.88	32	-1.07	52	-3.15	72	-4.30
13	0.73	33	-1.22	53	-3.23	73	-4.27
14	0.58	34	-1.38	54	-3.38	74	-4.09
15	0.42	35	-1.36	55	-3.61	75	-3.82
16	0.21	36	-1.06	56	-3.79	76	-3.88
17	0.11	37	-1.09	57	-3.68	77	-3.99
18	0.0	38	-1.20	58	-3.65	78	-3.97
19	-0.09	39	-1.45	59	-3.65	79	-4.20
20	-0.14	40	-1.90	60	-3.62	80	-4.36

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

3/ 4/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	-0.11	41	-2.25	61	-2.85
2	2.21	22	-0.20	42	-1.82	62	-2.94
3	2.11	23	-0.29	43	-1.86	63	-3.16
4	2.01	24	-0.35	44	-2.04	64	-3.98
5	1.99	25	-0.42	45	-2.27	65	-4.02
6	1.86	26	-0.49	46	-2.77	66	-3.49
7	1.73	27	-0.55	47	-3.07	67	-3.20
8	1.54	28	-0.60	48	-3.31	68	-3.09
9	1.40	29	-0.63	49	-2.60	69	-3.04
10	1.25	30	-0.66	50	-2.54	70	-3.03
11	1.12	31	-0.85	51	-2.54	71	-3.21
12	0.97	32	-0.82	52	-2.57	72	-4.11
13	0.82	33	-0.82	53	-2.60	73	-4.28
14	0.65	34	-1.00	54	-2.66	74	-3.98
15	0.51	35	-1.00	55	-2.86	75	-3.44
16	0.35	36	-1.12	56	-3.75	76	-3.25
17	0.23	37	-1.20	57	-3.61	77	-3.16
18	0.13	38	-1.23	58	-3.23	78	-3.18
19	0.03	39	-1.39	59	-2.86	79	-3.44
20	-0.04	40	-2.07	60	-2.81	80	-4.18

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

3/11/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	0.18	41	-2.15	61	-2.73
2	2.21	22	0.09	42	-1.62	62	-2.74
3	2.11	23	-0.02	43	-1.64	63	-3.08
4	2.01	24	-0.18	44	-1.75	64	-3.79
5	1.99	25	-0.34	45	-1.83	65	-3.76
6	1.84	26	-0.71	46	-2.06	66	-2.90
7	1.71	27	-0.80	47	-2.76	67	-2.70
8	1.54	28	-0.80	48	-3.20	68	-2.61
9	1.37	29	-1.11	49	-2.70	69	-2.65
10	1.24	30	-1.17	50	-2.29	70	-2.80
11	1.11	31	-1.37	51	-2.23	71	-3.09
12	0.99	32	-1.18	52	-2.25	72	-3.80
13	0.90	33	-1.10	53	-2.31	73	-3.49
14	0.81	34	-1.16	54	-2.48	74	-3.10
15	0.71	35	-0.97	55	-2.68	75	-3.09
16	0.60	36	-1.03	56	-3.51	76	-3.10
17	0.48	37	-0.99	57	-3.63	77	-3.19
18	0.39	38	-1.02	58	-2.93	78	-3.42
19	0.30	39	-1.13	59	-2.70	79	-3.64
20	0.25	40	-1.42	60	-2.69	80	-3.85

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

3/18/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.12	41	-2.27	61	-2.49
2	2.22	22	0.01	42	-1.80	62	-2.60
3	2.10	23	-0.05	43	-1.57	63	-2.79
4	2.01	24	-0.15	44	-1.99	64	-3.85
5	1.98	25	-0.24	45	-2.00	65	-3.95
6	1.86	26	-0.34	46	-1.99	66	-2.81
7	1.75	27	-0.43	47	-1.88	67	-2.53
8	1.66	28	-0.53	48	-2.99	68	-2.45
9	1.51	29	-0.62	49	-1.65	69	-2.50
10	1.36	30	-0.78	50	-1.80	70	-2.60
11	1.20	31	-0.95	51	-1.72	71	-2.83
12	1.05	32	-0.91	52	-1.78	72	-3.80
13	0.91	33	-1.09	53	-1.80	73	-3.67
14	0.79	34	-1.16	54	-1.81	74	-3.08
15	0.69	35	-1.19	55	-1.87	75	-2.80
16	0.56	36	-1.23	56	-2.08	76	-2.75
17	0.45	37	-1.30	57	-2.76	77	-2.78
18	0.36	38	-1.40	58	-2.60	78	-2.81
19	0.27	39	-1.50	59	-2.24	79	-3.22
20	0.21	40	-1.58	60	-2.36	80	-4.00

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

3/25/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	-0.29	41	-2.02	61	-2.31
2	2.21	22	-0.54	42	-2.01	62	-2.54
3	1.99	23	-0.91	43	-1.90	63	-3.03
4	2.01	24	-1.07	44	-2.05	64	-3.64
5	1.96	25	-1.08	45	-2.20	65	-3.02
6	1.85	26	-1.00	46	-1.97	66	-2.59
7	1.77	27	-0.92	47	-2.32	67	-2.51
8	1.67	28	-0.91	48	-2.77	68	-2.50
9	1.55	29	-1.07	49	-2.02	69	-2.55
10	1.41	30	-1.40	50	-2.01	70	-2.71
11	1.30	31	-1.71	51	-1.81	71	-3.10
12	1.20	32	-1.60	52	-2.07	72	-3.38
13	1.10	33	-1.68	53	-1.89	73	-2.92
14	1.02	34	-1.72	54	-2.07	74	-2.65
15	0.98	35	-1.67	55	-1.98	75	-2.65
16	1.00	36	-1.74	56	-2.45	76	-2.70
17	0.72	37	-1.78	57	-2.06	77	-2.76
18	0.45	38	-1.78	58	-1.76	78	-2.83
19	0.18	39	-1.84	59	-1.86	79	-3.12
20	-0.05	40	-1.99	60	-2.08	80	-3.19

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

3/31/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	-0.29	41	-2.71	61	-2.72
2	2.20	22	-0.34	42	-2.27	62	-2.90
3	2.09	23	-0.45	43	-2.44	63	-3.40
4	2.01	24	-0.56	44	-2.73	64	-3.96
5	1.93	25	-0.65	45	-2.70	65	-3.90
6	1.96	26	-0.74	46	-2.68	66	-3.27
7	1.80	27	-0.96	47	-2.85	67	-3.06
8	1.75	28	-1.08	48	-2.96	68	-3.02
9	1.60	29	-1.10	49	-3.00	69	-2.90
10	1.35	30	-1.30	50	-2.65	70	-2.90
11	1.13	31	-1.77	51	-2.45	71	-3.11
12	0.93	32	-1.43	52	-2.20	72	-3.97
13	0.74	33	-1.31	53	-2.07	73	-3.90
14	0.56	34	-1.38	54	-2.14	74	-3.17
15	0.43	35	-1.70	55	-2.20	75	-2.77
16	0.30	36	-1.73	56	-3.45	76	-2.63
17	0.18	37	-1.84	57	-3.45	77	-2.60
18	0.05	38	-1.84	58	-2.67	78	-2.68
19	-0.02	39	-1.79	59	-2.58	79	-2.88
20	-0.16	40	-2.13	60	-2.62	80	-3.47

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/ 8/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	-0.33	41	-2.32	61	-2.80
2	2.21	22	-0.64	42	-1.81	62	-3.62
3	2.08	23	-1.06	43	-1.31	63	-3.79
4	2.01	24	-1.16	44	-1.23	64	-3.90
5	1.94	25	-1.26	45	-1.19	65	-3.33
6	1.85	26	-1.32	46	-1.13	66	-3.03
7	1.82	27	-1.43	47	-1.20	67	-3.00
8	1.74	28	-1.33	48	-1.97	68	-2.98
9	1.56	29	-1.41	49	-1.45	69	-3.05
10	1.38	30	-1.78	50	-1.18	70	-3.11
11	1.26	31	-2.05	51	-1.29	71	-3.41
12	1.14	32	-2.02	52	-1.61	72	-3.78
13	1.03	33	-1.95	53	-1.67	73	-3.11
14	0.96	34	-1.52	54	-1.98	74	-2.53
15	0.92	35	-1.39	55	-2.53	75	-2.32
16	0.82	36	-1.30	56	-3.02	76	-2.19
17	0.51	37	-1.30	57	-2.80	77	-2.14
18	0.35	38	-1.31	58	-2.42	78	-2.18
19	0.16	39	-1.33	59	-2.46	79	-2.45
20	-0.07	40	-1.51	60	-2.65	80	-2.97

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/15/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	-0.15	41	-1.72	61	-3.00
2	2.20	22	-0.38	42	-1.10	62	-3.02
3	2.08	23	-0.60	43	-1.14	63	-3.20
4	2.00	24	-1.02	44	-1.28	64	-3.90
5	1.96	25	-1.23	45	-1.30	65	-3.43
6	1.85	26	-1.38	46	-1.40	66	-2.80
7	1.81	27	-1.23	47	-1.85	67	-3.11
8	1.74	28	-1.28	48	-2.55	68	-2.80
9	1.57	29	-1.35	49	-2.24	69	-2.90
10	1.38	30	-1.45	50	-1.93	70	-2.96
11	1.27	31	-1.55	51	-1.84	71	-3.48
12	1.21	32	-1.00	52	-1.85	72	-3.28
13	1.23	33	-0.95	53	-1.92	73	-2.77
14	1.26	34	-0.92	54	-2.58	74	-2.23
15	1.27	35	-0.90	55	-2.95	75	-2.09
16	1.14	36	-0.92	56	-3.30	76	-2.12
17	0.95	37	-0.92	57	-3.07	77	-2.11
18	0.70	38	-0.97	58	-2.64	78	-2.13
19	0.50	39	-0.98	59	-2.60	79	-2.35
20	0.19	40	-1.02	60	-2.74	80	-3.10

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/22/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.16	41	-1.48	61	-2.83
2	2.18	22	0.10	42	-1.01	62	-3.12
3	2.06	23	-0.02	43	-0.91	63	-3.36
4	1.99	24	-0.13	44	-0.86	64	-3.90
5	1.94	25	-0.23	45	-0.89	65	-3.88
6	1.84	26	-0.32	46	-1.00	66	-3.08
7	1.80	27	-0.45	47	-1.70	67	-2.90
8	1.73	28	-0.57	48	-1.90	68	-2.83
9	1.55	29	-0.63	49	-1.63	69	-2.88
10	1.42	30	-1.08	50	-1.55	70	-2.97
11	1.35	31	-1.08	51	-1.62	71	-3.02
12	1.34	32	-1.55	52	-1.81	72	-3.67
13	1.35	33	-1.03	53	-2.09	73	-3.42
14	1.24	34	-1.13	54	-2.49	74	-2.67
15	1.02	35	-1.18	55	-2.84	75	-2.29
16	0.99	36	-0.90	56	-3.20	76	-2.12
17	0.89	37	-0.89	57	-3.28	77	-2.09
18	0.65	38	-0.90	58	-2.75	78	-2.23
19	0.52	39	-0.79	59	-2.71	79	-2.50
20	0.38	40	-0.85	60	-2.73	80	-3.15

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/29/1976			
NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.31
2	2.21	22	0.21
3	2.08	23	0.09
4	2.01	24	0.0
5	1.96	25	-0.10
6	1.85	26	-0.15
7	1.81	27	-0.21
8	1.75	28	-0.28
9	1.51	29	-0.31
10	1.44	30	-0.31
11	1.36	31	-0.52
12	1.33	32	-0.31
13	1.34	33	-0.38
14	1.28	34	-0.42
15	1.18	35	-0.50
16	1.06	36	-0.58
17	0.90	37	-0.66
18	0.79	38	-0.70
19	0.64	39	-0.76
20	0.50	40	-0.83

1	6
2	7
3	8
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5/ 6/1976			
NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.18
2	2.19	22	0.09
3	2.08	23	0.0
4	2.02	24	-0.11
5	1.96	25	-0.21
6	1.88	26	-0.30
7	1.82	27	-0.39
8	1.72	28	-0.42
9	1.60	29	-0.51
10	1.54	30	-0.50
11	1.49	31	-1.09
12	1.42	32	-0.91
13	1.28	33	-0.78
14	1.24	34	-0.81
15	1.08	35	-0.80
16	0.84	36	-0.95
17	0.79	37	-0.92
18	0.57	38	-0.99
19	0.42	39	-1.00
20	0.30	40	-1.47

1	6
2	7
3	8
4	9
5	10

5/13/1976			
NO.	Z(M)	NO.	Z(M)
1	2.21	21	0.29
2	2.09	22	0.20
3	2.02	23	0.14
4	1.96	24	0.05
5	1.88	25	-0.01
6	1.79	26	-0.09
7	1.71	27	-0.16
8	1.60	28	-0.19
9	1.55	29	-0.22
10	1.53	30	-0.28
11	1.49	31	-0.87
12	1.43	32	-0.32
13	1.36	33	-0.31
14	1.24	34	-0.32
15	1.12	35	-0.40
16	0.88	36	-0.43
17	0.75	37	-0.50
18	0.62	38	-0.55
19	0.50	39	-0.58
20	0.40	40	-0.68

1	6
2	7
3	8
4	9
5	10

5/20/1976			
NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.49
2	2.20	22	0.33
3	2.07	23	0.21
4	2.11	24	0.11
5	1.97	25	0.01
6	1.84	26	-0.08
7	1.79	27	-0.17
8	1.70	28	-0.25
9	1.60	29	-0.32
10	1.52	30	-0.39
11	1.47	31	-0.89
12	1.40	32	-0.48
13	1.35	33	-0.50
14	1.24	34	-0.55
15	1.14	35	-0.60
16	1.01	36	-0.68
17	0.93	37	-0.80
18	0.82	38	-0.95
19	0.77	39	-1.09
20	0.68	40	-1.60

1	6
2	7
3	8
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5	10

5/27/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.47	41	-1.64	61	-3.25
2	2.19	22	0.37	42	-0.96	62	-3.33
3	2.08	23	0.25	43	-0.81	63	-3.45
4	2.02	24	0.16	44	-0.85	64	-4.00
5	1.94	25	0.06	45	-0.91	65	-3.92
6	1.84	26	-0.03	46	-1.01	66	-3.15
7	1.77	27	-0.13	47	-1.24	67	-3.12
8	1.68	28	-0.21	48	-1.69	68	-3.18
9	1.58	29	-0.30	49	-1.45	69	-2.92
10	1.52	30	-0.40	50	-1.30	70	-3.24
11	1.47	31	-0.95	51	-1.30	71	-3.43
12	1.41	32	-0.53	52	-1.64	72	-3.88
13	1.35	33	-0.55	53	-1.98	73	-3.59
14	1.30	34	-0.59	54	-2.45	74	-2.72
15	1.27	35	-0.65	55	-3.27	75	-2.53
16	1.14	36	-0.70	56	-3.83	76	-2.44
17	1.01	37	-0.74	57	-3.48	77	-2.42
18	0.86	38	-0.81	58	-3.04	78	-2.47
19	0.71	39	-0.83	59	-3.08	79	-2.55
20	0.60	40	-0.96	60	-2.92	80	-3.21

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

6/ 3/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.30	41	-0.85	61	-3.59
2	2.19	22	0.19	42	-0.90	62	-3.64
3	2.08	23	0.08	43	-0.96	63	-3.69
4	2.00	24	-0.01	44	-1.05	64	-3.91
5	1.94	25	-0.09	45	-1.18	65	-3.45
6	1.84	26	-0.12	46	-1.38	66	-3.39
7	1.77	27	-0.18	47	-1.74	67	-3.18
8	1.70	28	-0.20	48	-1.99	68	-3.40
9	1.60	29	-0.21	49	-1.79	69	-3.36
10	1.54	30	-0.25	50	-1.75	70	-3.37
11	1.50	31	-0.28	51	-1.89	71	-3.33
12	1.46	32	-0.29	52	-2.11	72	-3.48
13	1.43	33	-0.30	53	-2.94	73	-2.59
14	1.33	34	-0.32	54	-3.15	74	-2.40
15	1.28	35	-0.36	55	-3.30	75	-2.38
16	1.18	36	-0.42	56	-3.62	76	-2.58
17	0.99	37	-0.49	57	-3.26	77	-2.76
18	0.79	38	-0.55	58	-3.20	78	-2.52
19	0.61	39	-0.62	59	-3.05	79	-2.88
20	0.46	40	-0.70	60	-3.40	80	-3.01

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

6/10/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.35	41	-1.38	61	-3.30
2	2.20	22	0.20	42	-1.13	62	-3.28
3	2.08	23	0.02	43	-1.10	63	-3.51
4	2.01	24	-0.28	44	-1.20	64	-3.95
5	1.95	25	-0.19	45	-1.36	65	-3.59
6	1.84	26	-0.17	46	-1.85	66	-3.20
7	1.77	27	-0.17	47	-2.27	67	-2.98
8	1.70	28	-0.18	48	-2.64	68	-2.79
9	1.60	29	-0.20	49	-2.14	69	-2.69
10	1.54	30	-0.25	50	-2.10	70	-2.72
11	1.50	31	-0.35	51	-2.16	71	-2.79
12	1.46	32	-0.33	52	-2.35	72	-2.83
13	1.40	33	-0.39	53	-2.54	73	-2.35
14	1.35	34	-0.45	54	-3.00	74	-2.14
15	1.31	35	-0.52	55	-3.33	75	-2.17
16	1.08	36	-0.59	56	-3.70	76	-2.21
17	0.97	37	-0.66	57	-3.30	77	-2.30
18	0.82	38	-0.75	58	-3.19	78	-2.42
19	0.68	39	-0.82	59	-3.18	79	-2.59
20	0.51	40	-0.91	60	-3.32	80	-2.88

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

6/17/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.12	41	-1.67	61	-3.07
2	2.20	22	0.07	42	-1.38	62	-3.07
3	2.09	23	0.01	43	-1.26	63	-3.30
4	2.03	24	-0.07	44	-1.21	64	-3.98
5	1.95	25	-0.15	45	-1.25	65	-3.30
6	1.93	26	-0.24	46	-1.25	66	-2.78
7	1.83	27	-0.33	47	-1.33	67	-2.65
8	1.75	28	-0.39	48	-2.04	68	-2.58
9	1.64	29	-0.45	49	-1.84	69	-2.59
10	1.56	30	-0.51	50	-1.90	70	-2.70
11	1.47	31	-0.60	51	-2.10	71	-2.95
12	1.35	32	-0.67	52	-2.37	72	-3.53
13	1.22	33	-0.71	53	-2.61	73	-2.89
14	1.11	34	-0.78	54	-2.89	74	-2.60
15	0.99	35	-1.00	55	-3.48	75	-2.56
16	0.78	36	-1.16	56	-3.88	76	-2.58
17	0.63	37	-1.29	57	-3.85	77	-2.62
18	0.54	38	-1.36	58	-3.24	78	-2.70
19	0.30	39	-1.20	59	-3.15	79	-3.05
20	0.26	40	-1.18	60	-3.08	80	-3.32

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

6/24/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.25	41	-1.25	61	-3.02
2	2.19	22	0.15	42	-0.98	62	-3.16
3	2.09	23	0.05	43	-1.10	63	-3.25
4	2.02	24	-0.02	44	-1.70	64	-3.49
5	1.95	25	0.15	45	-1.95	65	-2.82
6	1.90	26	0.11	46	-2.08	66	-2.60
7	1.82	27	0.07	47	-2.30	67	-2.55
8	1.74	28	0.0	48	-2.52	68	-2.49
9	1.64	29	-0.08	49	-2.25	69	-2.53
10	1.56	30	-0.15	50	-2.22	70	-2.62
11	1.46	31	-0.43	51	-2.60	71	-2.72
12	1.36	32	-0.30	52	-2.61	72	-2.90
13	1.26	33	-0.40	53	-3.00	73	-2.38
14	1.18	34	-0.48	54	-3.22	74	-2.19
15	1.10	35	-0.55	55	-3.68	75	-2.22
16	0.95	36	-0.62	56	-3.87	76	-2.29
17	0.85	37	-0.72	57	-3.37	77	-2.39
18	0.70	38	-0.75	58	-3.12	78	-2.62
19	0.55	39	-0.78	59	-3.10	79	-2.76
20	0.42	40	-0.84	60	-3.07	80	-3.10

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

7/ 1/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.18	41	-1.13	61	-3.32
2	2.20	22	0.18	42	-0.98	62	-2.93
3	2.08	23	0.10	43	-1.05	63	-3.05
4	2.03	24	0.02	44	-1.13	64	-3.89
5	1.97	25	-0.05	45	-1.22	65	-3.93
6	1.90	26	-0.12	46	-1.43	66	-3.58
7	1.83	27	-0.20	47	-2.05	67	-2.92
8	1.74	28	-0.25	48	-3.03	68	-2.84
9	1.67	29	-0.33	49	-2.52	69	-2.98
10	1.64	30	-0.40	50	-2.40	70	-3.00
11	1.61	31	-0.52	51	-2.49	71	-3.05
12	1.53	32	-0.48	52	-2.70	72	-3.88
13	1.41	33	-0.50	53	-2.91	73	-3.69
14	1.28	34	-0.53	54	-3.30	74	-3.18
15	1.14	35	-0.55	55	-3.72	75	-2.66
16	0.90	36	-0.60	56	-3.81	76	-2.62
17	0.75	37	-0.65	57	-3.88	77	-2.58
18	0.60	38	-0.70	58	-3.23	78	-2.57
19	0.55	39	-0.77	59	-3.11	79	-2.65
20	0.40	40	-0.82	60	-3.00	80	-3.20

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

7/ 8/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.10	41	-1.55	61	-2.87
2	2.19	22	0.05	42	-1.00	62	-3.19
3	2.12	23	-0.06	43	-0.95	63	-3.80
4	2.05	24	-0.13	44	-0.99	64	-4.08
5	1.99	25	-0.21	45	-0.98	65	-3.60
6	1.96	26	-0.28	46	-1.05	66	-3.20
7	1.90	27	-0.38	47	-1.20	67	-3.15
8	1.82	28	-0.40	48	-2.00	68	-3.20
9	1.73	29	-0.48	49	-1.60	69	-3.55
10	1.62	30	-0.54	50	-1.48	70	-3.58
11	1.53	31	-1.03	51	-1.60	71	-4.27
12	1.41	32	-0.70	52	-1.79	72	-4.02
13	1.29	33	-0.70	53	-2.00	73	-3.70
14	1.16	34	-0.70	54	-2.44	74	-3.45
15	1.01	35	-0.75	55	-3.40	75	-3.30
16	0.78	36	-0.80	56	-3.68	76	-3.59
17	0.63	37	-0.83	57	-3.30	77	-3.60
18	0.55	38	-0.81	58	-2.78	78	-3.50
19	0.38	39	-0.85	59	-2.69	79	-3.73
20	0.27	40	-1.10	60	-2.80	80	-3.50

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

7/15/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.08	41	-1.88	61	-3.03
2	2.19	22	-0.19	42	-1.29	62	-3.22
3	2.08	23	-0.27	43	-1.05	63	-3.31
4	2.03	24	-0.36	44	-1.08	64	-3.56
5	1.97	25	-0.25	45	-1.10	65	-3.30
6	1.94	26	-0.19	46	-1.18	66	-3.34
7	1.87	27	-0.20	47	-1.34	67	-3.30
8	1.79	28	-0.22	48	-1.72	68	-3.37
9	1.69	29	-0.31	49	-1.50	69	-3.45
10	1.62	30	-0.40	50	-1.51	70	-3.50
11	1.49	31	-0.50	51	-1.60	71	-3.51
12	1.38	32	-0.57	52	-1.72	72	-3.68
13	1.27	33	-0.68	53	-1.89	73	-3.40
14	1.22	34	-0.73	54	-2.21	74	-3.38
15	1.14	35	-0.88	55	-2.71	75	-3.33
16	0.92	36	-0.93	56	-3.12	76	-3.46
17	0.65	37	-1.00	57	-2.75	77	-3.44
18	0.49	38	-1.30	58	-2.70	78	-3.45
19	0.40	39	-1.22	59	-2.69	79	-3.32
20	0.22	40	-1.63	60	-2.87	80	-3.40

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

7/22/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.30	41	-2.05	61	-3.21
2	2.19	22	0.19	42	-1.50	62	-3.40
3	2.16	23	0.07	43	-1.31	63	-3.57
4	2.12	24	-0.01	44	-1.18	64	-3.79
5	1.98	25	-0.13	45	-1.10	65	-3.39
6	1.93	26	-0.25	46	-1.09	66	-3.18
7	1.87	27	-0.34	47	-1.11	67	-3.43
8	1.80	28	-0.53	48	-1.68	68	-3.40
9	1.73	29	-0.53	49	-1.32	69	-3.36
10	1.64	30	-0.79	50	-1.33	70	-3.59
11	1.52	31	-1.24	51	-1.43	71	-3.52
12	1.35	32	-1.39	52	-1.56	72	-3.83
13	1.27	33	-0.98	53	-1.69	73	-3.49
14	1.20	34	-1.00	54	-1.87	74	-3.30
15	1.07	35	-1.25	55	-2.11	75	-3.17
16	0.90	36	-1.19	56	-3.00	76	-3.18
17	0.81	37	-1.57	57	-2.63	77	-3.20
18	0.69	38	-1.33	58	-2.69	78	-3.23
19	0.57	39	-1.32	59	-3.01	79	-3.35
20	0.50	40	-1.45	60	-3.20	80	-3.46

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

7/29/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.61	41	-1.60	61	-3.10
2	2.26	22	0.25	42	-1.23	62	-3.21
3	2.13	23	0.20	43	-1.10	63	-3.30
4	2.08	24	0.07	44	-1.10	64	-3.60
5	2.01	25	-0.02	45	-1.12	65	-3.21
6	1.96	26	-0.15	46	-1.18	66	-3.24
7	1.89	27	-0.28	47	-1.28	67	-3.22
8	1.81	28	-0.35	48	-1.80	68	-3.28
9	1.75	29	-0.48	49	-1.52	69	-3.30
10	1.66	30	-0.60	50	-1.50	70	-3.22
11	1.52	31	-0.95	51	-2.62	71	-3.48
12	1.35	32	-0.70	52	-2.95	72	-3.63
13	1.24	33	-0.72	53	-2.27	73	-3.13
14	1.18	34	-0.73	54	-2.74	74	-3.08
15	1.13	35	-0.75	55	-2.75	75	-3.05
16	1.10	36	-0.79	56	-3.18	76	-3.08
17	1.10	37	-0.80	57	-2.83	77	-3.07
18	1.12	38	-0.82	58	-2.60	78	-3.08
19	1.02	39	-0.91	59	-2.90	79	-3.08
20	0.85	40	-1.00	60	-3.11	80	-3.33

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

8/ 5/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.79	41	-1.40	61	-3.26
2	2.27	22	0.50	42	-0.98	62	-3.32
3	2.09	23	0.30	43	-0.90	63	-3.29
4	2.03	24	0.11	44	-0.89	64	-3.59
5	1.97	25	-0.10	45	-1.00	65	-3.13
6	1.93	26	-0.24	46	-1.19	66	-3.20
7	1.85	27	-0.51	47	-1.59	67	-3.18
8	1.79	28	-0.59	48	-2.15	68	-3.11
9	1.70	29	-0.69	49	-1.76	69	-3.31
10	1.60	30	-0.71	50	-1.76	70	-3.21
11	1.47	31	-1.22	51	-1.90	71	-3.41
12	1.34	32	-0.83	52	-2.03	72	-3.49
13	1.25	33	-0.81	53	-2.30	73	-2.98
14	1.20	34	-0.60	54	-2.43	74	-3.11
15	1.17	35	-0.61	55	-2.89	75	-2.98
16	1.16	36	-0.60	56	-3.20	76	-2.97
17	1.19	37	-0.65	57	-2.83	77	-2.93
18	1.16	38	-0.70	58	-2.55	78	-2.97
19	1.09	39	-0.73	59	-3.00	79	-3.17
20	0.99	40	-0.76	60	-3.05	80	-3.29

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

8/12/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.16	21	0.34	41	-1.10	61	-3.06
2	2.04	22	0.19	42	-0.96	62	-3.20
3	2.04	23	0.05	43	-1.00	63	-3.31
4	2.01	24	-0.08	44	-1.09	64	-3.62
5	1.94	25	-0.20	45	-1.13	65	-3.12
6	1.90	26	-0.38	46	-1.20	66	-3.09
7	1.84	27	-0.53	47	-1.39	67	-3.12
8	1.71	28	-0.66	48	-2.02	68	-3.13
9	1.67	29	-0.95	49	-1.59	69	-3.16
10	1.58	30	-0.80	50	-1.70	70	-3.18
11	1.45	31	-0.72	51	-1.94	71	-3.27
12	1.39	32	-0.50	52	-2.23	72	-3.50
13	1.26	33	-0.47	53	-2.51	73	-2.91
14	1.29	34	-0.48	54	-2.62	74	-2.82
15	1.36	35	-0.48	55	-2.89	75	-2.84
16	1.35	36	-0.50	56	-3.25	76	-2.85
17	1.40	37	-0.52	57	-2.70	77	-2.89
18	1.05	38	-0.55	58	-2.77	78	-2.98
19	0.73	39	-0.60	59	-2.87	79	-3.06
20	0.55	40	-0.64	60	-3.02	80	-3.32

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

8/19/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	0.22	41	-1.69	61	-2.97
2	2.13	22	0.05	42	-1.60	62	-3.19
3	2.06	23	-0.07	43	-1.58	63	-3.54
4	2.01	24	-0.20	44	-1.38	64	-4.12
5	1.94	25	-0.43	45	-1.38	65	-3.73
6	1.89	26	-0.69	46	-1.43	66	-3.29
7	1.83	27	-0.80	47	-1.53	67	-3.19
8	1.76	28	-0.70	48	-2.37	68	-3.13
9	1.66	29	-0.60	49	-2.12	69	-3.22
10	1.59	30	-0.67	50	-1.60	70	-3.65
11	1.46	31	-1.20	51	-1.50	71	-3.72
12	1.34	32	-0.81	52	-1.58	72	-3.91
13	1.40	33	-0.67	53	-1.70	73	-3.49
14	1.43	34	-0.67	54	-1.91	74	-3.14
15	1.45	35	-0.69	55	-2.46	75	-3.12
16	1.41	36	-0.72	56	-3.38	76	-3.13
17	1.31	37	-0.80	57	-2.95	77	-3.21
18	0.99	38	-0.80	58	-2.67	78	-3.41
19	0.71	39	-0.85	59	-2.69	79	-3.60
20	0.50	40	-1.00	60	-2.80	80	-3.92

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

8/26/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.16	21	0.10	41	-1.78	61	-2.82
2	2.11	22	0.05	42	-1.60	62	-3.28
3	2.07	23	-0.05	43	-1.30	63	-3.91
4	2.01	24	-0.20	44	-1.54	64	-4.15
5	1.96	25	-0.30	45	-1.21	65	-3.95
6	1.91	26	-0.39	46	-1.22	66	-3.41
7	1.83	27	-0.50	47	-1.40	67	-3.18
8	1.78	28	-0.56	48	-1.90	68	-3.21
9	1.68	29	-0.70	49	-1.50	69	-3.23
10	1.57	30	-1.10	50	-1.50	70	-3.52
11	1.47	31	-1.32	51	-1.63	71	-4.22
12	1.39	32	-0.81	52	-1.79	72	-4.24
13	1.47	33	-0.80	53	-1.80	73	-4.00
14	1.51	34	-0.88	54	-1.65	74	-3.50
15	1.55	35	-0.96	55	-1.76	75	-3.30
16	1.29	36	-1.16	56	-2.35	76	-3.30
17	1.00	37	-1.09	57	-2.72	77	-3.49
18	0.70	38	-1.10	58	-2.61	78	-3.70
19	0.48	39	-1.23	59	-2.81	79	-4.12
20	0.30	40	-1.38	60	-2.75	80	-4.11

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

9/ 2/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	-0.09	41	-2.22	61	-1.96
2	2.25	22	-0.12	42	-1.98	62	-2.30
3	2.09	23	-0.20	43	-2.11	63	-2.58
4	2.05	24	-0.24	44	-2.03	64	-3.52
5	2.01	25	-0.28	45	-2.17	65	-3.39
6	1.95	26	-0.46	46	-1.98	66	-2.96
7	1.89	27	-0.61	47	-2.03	67	-2.96
8	1.84	28	-0.62	48	-2.52	68	-2.88
9	1.80	29	-0.63	49	-2.37	69	-2.90
10	1.75	30	-0.80	50	-2.38	70	-3.08
11	1.69	31	-1.32	51	-2.18	71	-3.38
12	1.56	32	-1.28	52	-2.17	72	-3.88
13	1.41	33	-1.40	53	-2.07	73	-3.40
14	1.22	34	-1.17	54	-1.89	74	-3.05
15	0.94	35	-1.09	55	-1.92	75	-2.99
16	0.73	36	-1.26	56	-2.70	76	-3.00
17	0.56	37	-1.28	57	-2.65	77	-3.02
18	0.40	38	-1.00	58	-2.27	78	-3.31
19	0.22	39	-1.14	59	-2.03	79	-3.48
20	0.18	40	-1.30	60	-2.01	80	-3.78

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

9/ 9/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	-0.06	41	-2.58	61	-2.68
2	2.31	22	-0.13	42	-1.90	62	-2.70
3	2.10	23	-0.20	43	-1.50	63	-3.28
4	2.03	24	-0.35	44	-1.54	64	-3.60
5	1.96	25	-0.40	45	-1.55	65	-3.09
6	1.93	26	-0.45	46	-1.61	66	-2.75
7	1.86	27	-0.51	47	-1.84	67	-2.68
8	1.84	28	-0.58	48	-2.62	68	-2.90
9	1.82	29	-0.60	49	-2.20	69	-3.30
10	1.66	30	-0.86	50	-1.49	70	-3.42
11	1.49	31	-1.28	51	-1.35	71	-3.50
12	1.35	32	-0.86	52	-1.58	72	-3.99
13	1.21	33	-0.82	53	-1.68	73	-3.53
14	0.99	34	-0.87	54	-1.89	74	-3.30
15	0.78	35	-0.90	55	-2.20	75	-3.27
16	0.54	36	-0.97	56	-3.00	76	-3.62
17	0.47	37	-1.00	57	-2.68	77	-3.70
18	0.32	38	-1.18	58	-2.28	78	-3.90
19	0.21	39	-1.49	59	-2.29	79	-3.90
20	0.13	40	-1.70	60	-2.70	80	-3.70

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

9/16/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	-0.18	41	-2.38	61	-1.75
2	2.27	22	-0.08	42	-2.15	62	-1.78
3	2.20	23	-0.16	43	-2.30	63	-2.00
4	2.09	24	-0.20	44	-2.21	64	-2.95
5	2.05	25	-0.28	45	-2.29	65	-2.75
6	2.00	26	-0.32	46	-2.30	66	-2.30
7	1.95	27	-0.35	47	-2.40	67	-2.30
8	1.91	28	-0.43	48	-2.86	68	-2.38
9	1.87	29	-0.43	49	-2.80	69	-2.50
10	1.81	30	-0.49	50	-2.70	70	-2.70
11	1.74	31	-0.93	51	-2.78	71	-3.23
12	1.55	32	-0.72	52	-2.70	72	-4.08
13	1.38	33	-0.68	53	-2.60	73	-3.58
14	1.15	34	-0.72	54	-2.43	74	-3.20
15	0.87	35	-0.90	55	-2.89	75	-3.03
16	0.53	36	-1.06	56	-3.28	76	-3.05
17	0.40	37	-1.19	57	-2.90	77	-3.10
18	0.25	38	-1.50	58	-2.70	78	-3.30
19	0.14	39	-1.54	59	-2.40	79	-3.60
20	0.04	40	-1.92	60	-2.20	80	-3.76

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

9/23/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	-0.06	41	-2.32	61	-2.65
2	2.22	22	-0.10	42	-2.12	62	-2.92
3	2.13	23	-0.16	43	-1.92	63	-2.94
4	2.08	24	-0.24	44	-1.89	64	-3.31
5	2.00	25	-0.39	45	-1.80	65	-2.75
6	1.95	26	-0.43	46	-1.82	66	-2.55
7	1.92	27	-0.42	47	-2.03	67	-2.70
8	1.90	28	-0.49	48	-3.11	68	-2.60
9	1.82	29	-0.51	49	-2.60	69	-2.78
10	1.65	30	-0.58	50	-2.58	70	-2.86
11	1.46	31	-1.00	51	-2.41	71	-3.61
12	1.32	32	-0.58	52	-2.20	72	-4.10
13	1.15	33	-0.59	53	-2.38	73	-3.67
14	0.95	34	-0.63	54	-2.64	74	-3.76
15	0.76	35	-0.69	55	-2.72	75	-3.73
16	0.52	36	-0.73	56	-3.15	76	-3.80
17	0.45	37	-0.78	57	-2.63	77	-3.61
18	0.30	38	-0.89	58	-2.32	78	-3.79
19	0.20	39	-1.16	59	-2.15	79	-3.81
20	0.05	40	-1.78	60	-2.50	80	-4.00

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

9/30/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.0	41	-2.00	61	-2.72
2	2.28	22	-0.02	42	-1.42	62	-2.86
3	2.27	23	-0.05	43	-1.03	63	-3.48
4	2.17	24	-0.10	44	-0.97	64	-4.00
5	2.01	25	-0.18	45	-0.96	65	-3.79
6	1.81	26	-0.26	46	-1.20	66	-3.40
7	1.65	27	-0.32	47	-1.65	67	-3.32
8	1.52	28	-0.42	48	-2.25	68	-3.35
9	1.41	29	-0.55	49	-1.81	69	-3.57
10	1.31	30	-0.59	50	-1.34	70	-3.60
11	1.21	31	-1.19	51	-1.29	71	-4.00
12	1.09	32	-0.87	52	-1.45	72	-4.59
13	0.97	33	-0.80	53	-1.65	73	-4.88
14	0.83	34	-0.85	54	-1.97	74	-4.53
15	0.67	35	-0.98	55	-2.51	75	-4.11
16	0.50	36	-0.83	56	-3.35	76	-3.98
17	0.47	37	-0.88	57	-3.11	77	-3.95
18	0.35	38	-1.00	58	-2.40	78	-4.05
19	0.26	39	-1.08	59	-2.42	79	-4.28
20	0.18	40	-1.72	60	-2.42	80	-4.81

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

10/ 7/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	0.02	41	-1.54	61	-2.39
2	2.28	22	0.0	42	-0.73	62	-3.16
3	2.18	23	-0.09	43	-0.70	63	-3.28
4	2.04	24	-0.29	44	-0.70	64	-3.55
5	1.82	25	-0.29	45	-0.78	65	-3.15
6	1.69	26	-0.35	46	-0.92	66	-2.91
7	1.58	27	-0.44	47	-1.08	67	-3.01
8	1.53	28	-0.67	48	-1.70	68	-3.13
9	1.46	29	-0.63	49	-1.18	69	-3.34
10	1.35	30	-0.98	50	-0.95	70	-3.65
11	1.19	31	-1.25	51	-0.98	71	-4.32
12	1.05	32	-0.58	52	-0.98	72	-4.58
13	0.96	33	-0.58	53	-0.95	73	-4.60
14	0.84	34	-0.57	54	-1.05	74	-4.02
15	0.71	35	-0.60	55	-1.28	75	-3.95
16	0.52	36	-0.59	56	-1.90	76	-3.85
17	0.52	37	-0.60	57	-1.85	77	-3.80
18	0.41	38	-0.68	58	-1.60	78	-3.81
19	0.30	39	-0.89	59	-1.68	79	-4.57
20	0.20	40	-1.14	60	-1.99	80	-4.60

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

10/14/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.24	41	-1.09	61	-2.83
2	2.26	22	0.19	42	-0.62	62	-3.19
3	2.22	23	0.10	43	-0.62	63	-3.24
4	2.00	24	0.02	44	-0.59	64	-3.45
5	1.87	25	-0.01	45	-0.72	65	-3.19
6	1.74	26	-0.08	46	-0.98	66	-2.81
7	1.68	27	-0.12	47	-1.36	67	-3.58
8	1.60	28	-0.18	48	-1.68	68	-3.98
9	1.53	29	-0.21	49	-1.25	69	-4.02
10	1.41	30	-0.30	50	-1.11	70	-4.12
11	1.32	31	-0.92	51	-1.12	71	-4.21
12	1.24	32	-0.48	52	-1.18	72	-4.30
13	1.13	33	-0.41	53	-1.20	73	-4.19
14	1.03	34	-0.42	54	-1.27	74	-3.68
15	0.92	35	-0.43	55	-1.45	75	-3.69
16	0.89	36	-0.45	56	-2.18	76	-3.74
17	0.77	37	-0.49	57	-2.03	77	-3.78
18	0.62	38	-0.50	58	-1.63	78	-3.91
19	0.50	39	-0.54	59	-1.80	79	-3.88
20	0.38	40	-0.65	60	-2.35	80	-3.95

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

10/21/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.10	41	-1.15	61	-1.86
2	2.30	22	-0.06	42	-0.66	62	-2.05
3	2.28	23	-0.39	43	-0.64	63	-2.36
4	2.18	24	-0.56	44	-0.71	64	-3.27
5	2.04	25	-0.57	45	-0.76	65	-3.17
6	1.83	26	-0.70	46	-0.82	66	-2.81
7	1.71	27	-0.58	47	-1.11	67	-2.88
8	1.63	28	-0.75	48	-2.04	68	-3.14
9	1.55	29	-0.70	49	-1.95	69	-3.66
10	1.45	30	-0.79	50	-1.84	70	-4.14
11	1.36	31	-1.42	51	-1.85	71	-4.16
12	1.28	32	-0.82	52	-1.94	72	-4.16
13	1.22	33	-0.49	53	-1.39	73	-3.89
14	1.13	34	-0.47	54	-1.49	74	-3.73
15	1.01	35	-0.48	55	-1.67	75	-3.69
16	0.83	36	-0.54	56	-2.36	76	-3.64
17	0.67	37	-0.56	57	-2.18	77	-3.48
18	0.51	38	-0.59	58	-1.64	78	-3.46
19	0.34	39	-0.60	59	-1.64	79	-3.19
20	0.23	40	-0.73	60	-1.73	80	-3.26

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

10/28/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.15	41	-1.74	61	-2.32
2	2.29	22	0.11	42	-1.45	62	-2.50
3	2.22	23	0.02	43	-1.47	63	-2.88
4	2.08	24	-0.11	44	-1.12	64	-3.56
5	1.90	25	-0.16	45	-0.84	65	-3.13
6	1.74	26	-0.28	46	-0.66	66	-2.94
7	1.69	27	-0.41	47	-0.78	67	-2.97
8	1.63	28	-0.55	48	-1.45	68	-3.14
9	1.56	29	-0.61	49	-1.03	69	-3.44
10	1.50	30	-0.64	50	-0.97	70	-3.86
11	1.40	31	-0.90	51	-1.05	71	-4.04
12	1.29	32	-0.38	52	-1.16	72	-4.09
13	1.18	33	-0.53	53	-1.29	73	-3.74
14	1.10	34	-0.43	54	-1.57	74	-3.56
15	1.00	35	-0.47	55	-1.66	75	-3.53
16	0.84	36	-0.58	56	-2.31	76	-3.36
17	0.51	37	-0.76	57	-2.05	77	-3.16
18	0.55	38	-0.53	58	-1.93	78	-3.08
19	0.40	39	-0.57	59	-2.11	79	-3.05
20	0.26	40	-0.85	60	-2.10	80	-3.11

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

11/ 4/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.14	41	-0.96	61	-2.43
2	2.23	22	-0.07	42	-0.57	62	-2.65
3	2.11	23	-0.34	43	-0.66	63	-3.05
4	1.89	24	-0.39	44	-0.71	64	-3.38
5	1.78	25	-0.41	45	-0.82	65	-2.95
6	1.71	26	-0.44	46	-1.05	66	-2.93
7	1.67	27	-0.47	47	-1.33	67	-3.07
8	1.60	28	-0.55	48	-1.64	68	-3.27
9	1.55	29	-0.62	49	-1.09	69	-3.59
10	1.49	30	-0.84	50	-1.25	70	-3.79
11	1.40	31	-1.36	51	-1.39	71	-3.89
12	1.30	32	-0.97	52	-1.57	72	-3.94
13	1.23	33	-0.86	53	-1.65	73	-3.59
14	1.14	34	-0.62	54	-1.84	74	-3.37
15	1.04	35	-0.40	55	-2.15	75	-3.27
16	0.94	36	-0.41	56	-2.56	76	-3.17
17	0.88	37	-0.46	57	-1.96	77	-3.01
18	0.89	38	-0.46	58	-2.00	78	-2.87
19	0.79	39	-0.51	59	-2.11	79	-2.86
20	0.48	40	-0.87	60	-2.25	80	-3.15

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

11/11/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.09	41	-2.06	61	-2.75
2	2.28	22	0.0	42	-1.42	62	-3.46
3	2.18	23	-0.07	43	-1.26	63	-3.58
4	2.06	24	-0.15	44	-1.16	64	-3.66
5	1.84	25	-0.21	45	-1.08	65	-3.28
6	1.72	26	-0.27	46	-0.97	66	-2.96
7	1.67	27	-0.35	47	-1.08	67	-2.90
8	1.62	28	-0.36	48	-1.71	68	-2.90
9	1.57	29	-0.42	49	-1.06	69	-3.01
10	1.52	30	-0.56	50	-0.98	70	-3.31
11	1.45	31	-1.20	51	-1.05	71	-3.79
12	1.33	32	-0.71	52	-1.07	72	-4.36
13	1.20	33	-0.68	53	-1.16	73	-4.06
14	1.09	34	-0.76	54	-1.28	74	-3.46
15	0.98	35	-0.76	55	-1.56	75	-3.28
16	0.84	36	-0.80	56	-2.12	76	-3.28
17	0.69	37	-0.85	57	-1.96	77	-3.32
18	0.56	38	-0.87	58	-1.71	78	-3.57
19	0.43	39	-1.15	59	-1.84	79	-3.99
20	0.25	40	-1.17	60	-2.21	80	-4.11

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

11/18/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.06	41	-2.50	61	-2.49
2	2.22	22	0.06	42	-1.75	62	-2.71
3	2.07	23	0.06	43	-1.44	63	-3.52
4	1.95	24	-0.01	44	-1.56	64	-4.21
5	1.82	25	-0.11	45	-1.58	65	-3.82
6	1.77	26	-0.22	46	-1.76	66	-3.41
7	1.72	27	-0.27	47	-2.35	67	-3.55
8	1.67	28	-0.36	48	-2.96	68	-3.29
9	1.58	29	-0.48	49	-2.26	69	-3.30
10	1.46	30	-0.70	50	-1.56	70	-3.10
11	1.31	31	-1.36	51	-1.36	71	-3.66
12	1.18	32	-0.96	52	-1.26	72	-4.56
13	1.04	33	-0.81	53	-1.26	73	-4.74
14	0.90	34	-0.81	54	-1.44	74	-4.55
15	0.77	35	-0.84	55	-1.70	75	-4.34
16	0.63	36	-0.88	56	-2.72	76	-3.96
17	0.58	37	-0.97	57	-2.56	77	-3.93
18	0.48	38	-0.96	58	-2.10	78	-3.94
19	0.38	39	-0.98	59	-2.03	79	-4.16
20	0.30	40	-1.61	60	-2.21	80	-4.99

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

11/25/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	-0.06	41	-2.26	61	-2.06
2	2.10	22	-0.10	42	-2.07	62	-1.91
3	1.98	23	-0.13	43	-1.98	63	-1.95
4	1.84	24	-0.16	44	-2.01	64	-2.64
5	1.78	25	-0.22	45	-1.81	65	-2.91
6	1.74	26	-0.28	46	-1.94	66	-2.94
7	1.69	27	-0.37	47	-1.96	67	-2.97
8	1.65	28	-0.38	48	-2.84	68	-3.04
9	1.54	29	-0.49	49	-2.39	69	-3.16
10	1.44	30	-0.66	50	-2.28	70	-3.42
11	1.31	31	-1.15	51	-1.91	71	-3.81
12	1.19	32	-0.75	52	-1.61	72	-4.31
13	1.03	33	-0.79	53	-1.90	73	-4.21
14	0.90	34	-0.87	54	-2.03	74	-3.86
15	0.76	35	-0.91	55	-2.07	75	-3.65
16	0.58	36	-1.00	56	-2.76	76	-3.64
17	0.44	37	-1.05	57	-2.66	77	-3.73
18	0.31	38	-1.12	58	-2.30	78	-3.86
19	0.20	39	-1.20	59	-2.29	79	-4.09
20	-0.02	40	-1.44	60	-2.26	80	-4.16

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

12/ 2/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.11	41	-1.51	61	-2.43
2	2.31	22	0.12	42	-0.69	62	-2.76
3	2.25	23	0.03	43	-0.61	63	-3.03
4	2.13	24	-0.11	44	-0.65	64	-3.31
5	1.94	25	-0.26	45	-0.61	65	-2.96
6	1.78	26	-0.28	46	-0.68	66	-2.64
7	1.73	27	-0.35	47	-0.78	67	-2.73
8	1.69	28	-0.36	48	-1.28	68	-3.12
9	1.64	29	-0.39	49	-1.06	69	-3.07
10	1.51	30	-0.46	50	-0.91	70	-3.67
11	1.37	31	-1.11	51	-0.97	71	-4.17
12	1.24	32	-0.51	52	-1.09	72	-4.50
13	1.15	33	-0.46	53	-1.25	73	-4.06
14	1.05	34	-0.46	54	-1.56	74	-3.65
15	0.93	35	-0.47	55	-1.90	75	-3.61
16	0.76	36	-0.50	56	-2.26	76	-3.80
17	0.63	37	-0.55	57	-1.95	77	-3.71
18	0.50	38	-0.55	58	-1.76	78	-3.79
19	0.36	39	-0.58	59	-1.90	79	-3.71
20	0.24	40	-1.00	60	-2.17	80	-3.98

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

12/ 9/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.28	41	-1.38	61	-2.68
2	2.31	22	0.17	42	-1.20	62	-2.97
3	2.24	23	0.14	43	-0.65	63	-3.57
4	2.11	24	0.05	44	-0.66	64	-3.79
5	1.93	25	0.0	45	-0.68	65	-3.60
6	1.77	26	-0.04	46	-0.75	66	-3.08
7	1.73	27	-0.09	47	-0.98	67	-3.02
8	1.69	28	-0.15	48	-1.57	68	-3.08
9	1.63	29	-0.22	49	-1.11	69	-3.21
10	1.56	30	-0.28	50	-1.15	70	-3.94
11	1.44	31	-0.86	51	-1.31	71	-4.18
12	1.32	32	-0.55	52	-1.43	72	-4.42
13	1.20	33	-0.38	53	-1.56	73	-4.37
14	1.06	34	-0.42	54	-1.84	74	-3.87
15	0.95	35	-0.47	55	-2.46	75	-3.56
16	0.83	36	-0.51	56	-3.15	76	-3.56
17	0.72	37	-0.55	57	-2.75	77	-3.65
18	0.61	38	-0.55	58	-2.49	78	-3.56
19	0.49	39	-0.64	59	-2.45	79	-3.76
20	0.38	40	-0.82	60	-2.53	80	-4.01

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

12/16/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.49	41	-0.83	61	-2.97
2	2.31	22	0.42	42	-0.42	62	-3.30
3	2.24	23	0.32	43	-0.46	63	-3.64
4	2.11	24	0.24	44	-0.55	64	-3.69
5	1.93	25	0.16	45	-0.63	65	-3.74
6	1.77	26	0.10	46	-0.73	66	-3.11
7	1.73	27	0.03	47	-1.14	67	-3.03
8	1.70	28	-0.04	48	-1.37	68	-3.11
9	1.64	29	-0.11	49	-1.11	69	-3.24
10	1.55	30	-0.30	50	-1.22	70	-3.44
11	1.44	31	-0.46	51	-1.36	71	-3.79
12	1.33	32	-0.16	52	-1.54	72	-4.26
13	1.22	33	-0.17	53	-1.95	73	-4.48
14	1.11	34	-0.18	54	-2.26	74	-3.97
15	1.02	35	-0.23	55	-2.53	75	-3.32
16	0.94	36	-0.26	56	-2.96	76	-3.15
17	0.85	37	-0.30	57	-2.78	77	-3.02
18	0.78	38	-0.31	58	-2.55	78	-3.16
19	0.71	39	-0.36	59	-2.55	79	-3.28
20	0.63	40	-0.54	60	-2.62	80	-3.45

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

12/23/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.42	41	-1.21	61	-2.97
2	2.30	22	0.36	42	-0.91	62	-3.06
3	2.23	23	0.28	43	-0.76	63	-3.66
4	2.11	24	0.20	44	-0.71	64	-3.71
5	1.91	25	0.13	45	-0.81	65	-3.66
6	1.77	26	0.04	46	-0.85	66	-3.11
7	1.73	27	-0.03	47	-0.88	67	-3.16
8	1.70	28	-0.09	48	-1.56	68	-3.21
9	1.63	29	-0.17	49	-1.36	69	-3.36
10	1.51	30	-0.21	50	-1.26	70	-3.37
11	1.42	31	-0.86	51	-1.31	71	-4.16
12	1.32	32	-0.46	52	-1.51	72	-4.26
13	1.26	33	-0.31	53	-1.69	73	-4.36
14	1.18	34	-0.33	54	-1.84	74	-3.36
15	1.08	35	-0.36	55	-2.16	75	-3.06
16	1.00	36	-0.41	56	-2.91	76	-2.98
17	0.92	37	-0.46	57	-3.16	77	-2.91
18	0.81	38	-0.54	58	-2.56	78	-2.95
19	0.70	39	-0.54	59	-2.68	79	-3.06
20	0.59	40	-0.70	60	-2.76	80	-3.45

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

12/30/1976							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.34	41	-1.38	61	-3.36
2	2.33	22	0.29	42	-0.86	62	-3.71
3	2.25	23	0.24	43	-0.67	63	-3.86
4	2.11	24	0.18	44	-0.76	64	-3.96
5	1.94	25	0.08	45	-0.76	65	-3.86
6	1.86	26	0.04	46	-0.77	66	-3.36
7	1.78	27	-0.06	47	-0.84	67	-3.46
8	1.68	28	-0.06	48	-1.71	68	-3.36
9	1.55	29	-0.13	49	-1.16	69	-3.56
10	1.46	30	-0.33	50	-1.03	70	-4.36
11	1.36	31	-0.89	51	-0.95	71	-4.36
12	1.27	32	-0.38	52	-0.91	72	-4.56
13	1.16	33	-0.26	53	-1.11	73	-4.61
14	1.04	34	-0.27	54	-1.27	74	-4.07
15	0.92	35	-0.31	55	-1.96	75	-3.91
16	0.76	36	-0.36	56	-2.82	76	-3.78
17	0.73	37	-0.39	57	-2.64	77	-3.83
18	0.64	38	-0.44	58	-2.22	78	-3.99
19	0.54	39	-0.46	59	-2.30	79	-4.61
20	0.44	40	-0.56	60	-2.60	80	-4.61

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

1/ 6/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.45	41	-1.07	61	-2.76
2	2.30	22	0.30	42	-0.92	62	-3.15
3	2.31	23	0.29	43	-0.76	63	-3.95
4	2.11	24	0.20	44	-0.61	64	-4.16
5	1.94	25	0.14	45	-0.78	65	-3.85
6	1.86	26	0.06	46	-0.59	66	-3.66
7	1.77	27	-0.01	47	-0.66	67	-3.72
8	1.66	28	-0.06	48	-1.15	68	-4.04
9	1.57	29	-0.14	49	-1.04	69	-4.16
10	1.48	30	-0.21	50	-0.87	70	-4.26
11	1.38	31	-0.69	51	-0.94	71	-4.34
12	1.29	32	-0.34	52	-0.95	72	-4.46
13	1.20	33	-0.28	53	-0.97	73	-4.57
14	1.09	34	-0.34	54	-1.18	74	-4.36
15	1.00	35	-0.34	55	-2.46	75	-3.96
16	0.92	36	-0.37	56	-2.14	76	-3.78
17	0.84	37	-0.43	57	-2.24	77	-3.76
18	0.74	38	-0.43	58	-1.86	78	-3.82
19	0.65	39	-0.44	59	-1.96	79	-4.16
20	0.57	40	-0.50	60	-2.18	80	-4.27

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

1/13/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.46	41	-1.01	61	-2.44
2	2.30	22	0.41	42	-0.44	62	-2.81
3	2.24	23	0.30	43	-0.44	63	-3.56
4	2.11	24	0.24	44	-0.47	64	-4.07
5	1.95	25	0.15	45	-0.55	65	-4.36
6	1.88	26	0.11	46	-0.61	66	-3.65
7	1.86	27	0.04	47	-0.72	67	-3.78
8	1.77	28	-0.03	48	-1.32	68	-3.66
9	1.66	29	-0.14	49	-1.11	69	-3.86
10	1.58	30	-0.47	50	-1.07	70	-4.28
11	1.49	31	-0.76	51	-1.10	71	-4.30
12	1.35	32	-0.21	52	-1.28	72	-4.51
13	1.26	33	-0.17	53	-1.50	73	-4.56
14	1.16	34	-0.18	54	-1.86	74	-4.28
15	1.07	35	-0.22	55	-2.45	75	-3.78
16	0.94	36	-0.25	56	-2.88	76	-3.65
17	0.89	37	-0.29	57	-3.16	77	-3.56
18	0.80	38	-0.31	58	-2.36	78	-3.51
19	0.69	39	-0.33	59	-2.28	79	-3.57
20	0.62	40	-0.48	60	-2.44	80	-3.61

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

1/20/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.55	41	-1.19	61	-2.44
2	2.28	22	0.49	42	-0.95	62	-2.66
3	2.23	23	0.40	43	-0.71	63	-3.29
4	2.10	24	0.29	44	-0.73	64	-4.04
5	1.93	25	0.23	45	-0.85	65	-3.88
6	1.85	26	0.14	46	-0.80	66	-3.42
7	1.77	27	0.06	47	-0.86	67	-3.41
8	1.65	28	0.04	48	-1.42	68	-3.51
9	1.58	29	-0.05	49	-1.10	69	-3.56
10	1.49	30	-0.11	50	-1.05	70	-3.83
11	1.42	31	-0.56	51	-1.03	71	-4.28
12	1.34	32	-0.31	52	-1.11	72	-4.53
13	1.26	33	-0.26	53	-1.15	73	-4.31
14	1.17	34	-0.28	54	-1.39	74	-3.72
15	1.07	35	-0.30	55	-1.71	75	-3.19
16	0.99	36	-0.36	56	-2.56	76	-3.09
17	0.94	37	-0.41	57	-2.56	77	-3.06
18	0.84	38	-0.46	58	-2.08	78	-3.09
19	0.74	39	-0.51	59	-2.11	79	-3.55
20	0.65	40	-0.56	60	-2.25	80	-3.87

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

1/27/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.59	41	-1.66	61	-4.18
2	2.31	22	0.51	42	-1.35	62	-3.39
3	2.25	23	0.42	43	-0.94	63	-3.81
4	2.13	24	0.32	44	-0.95	64	-4.18
5	1.95	25	0.24	45	-0.92	65	-4.38
6	1.88	26	0.17	46	-0.88	66	-3.96
7	1.78	27	0.10	47	-1.01	67	-3.26
8	1.66	28	-0.04	48	-1.58	68	-3.19
9	1.59	29	-0.06	49	-1.14	69	-3.08
10	1.51	30	-0.37	50	-1.10	70	-3.17
11	1.44	31	-0.91	51	-0.99	71	-3.46
12	1.37	32	-0.47	52	-1.07	72	-4.18
13	1.30	33	-0.31	53	-1.43	73	-4.14
14	1.22	34	-0.34	54	-1.57	74	-3.16
15	1.15	35	-0.35	55	-2.28	75	-2.53
16	1.09	36	-0.42	56	-3.26	76	-2.36
17	1.03	37	-0.46	57	-3.64	77	-2.24
18	0.93	38	-0.51	58	-3.06	78	-2.27
19	0.84	39	-0.64	59	-3.02	79	-2.91
20	0.74	40	-1.07	60	-3.06	80	-3.37

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

2/ 3/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.88	41	-0.61	61	-3.09
2	2.30	22	0.72	42	-0.54	62	-3.46
3	2.25	23	0.62	43	-0.58	63	-3.69
4	2.10	24	0.50	44	-0.59	64	-3.87
5	1.94	25	0.26	45	-0.68	65	-3.84
6	1.86	26	0.18	46	-0.98	66	-2.96
7	1.78	27	0.06	47	-1.13	67	-2.47
8	1.65	28	0.03	48	-1.36	68	-2.31
9	1.58	29	-0.02	49	-1.07	69	-2.16
10	1.51	30	-0.07	50	-1.16	70	-2.29
11	1.44	31	-0.29	51	-1.43	71	-2.39
12	1.39	32	-0.07	52	-1.80	72	-2.57
13	1.34	33	-0.08	53	-2.07	73	-2.06
14	1.29	34	-0.16	54	-2.46	74	-1.76
15	1.24	35	-0.22	55	-2.76	75	-1.81
16	1.14	36	-0.18	56	-3.12	76	-1.98
17	1.08	37	-0.26	57	-2.86	77	-2.08
18	1.02	38	-0.29	58	-2.98	78	-2.24
19	0.91	39	-0.34	59	-3.06	79	-2.59
20	0.86	40	-0.51	60	-3.11	80	-3.06

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5		10		15		20	

2/10/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.69	41	-1.56	61	-2.70
2	2.29	22	0.61	42	-1.16	62	-2.86
3	2.22	23	0.51	43	-0.86	63	-3.00
4	2.11	24	0.40	44	-0.86	64	-3.38
5	1.94	25	0.32	45	-0.80	65	-2.71
6	1.86	26	0.20	46	-0.86	66	-2.17
7	1.77	27	0.10	47	-0.88	67	-2.11
8	1.66	28	0.01	48	-1.75	68	-2.16
9	1.59	29	-0.08	49	-1.36	69	-2.43
10	1.54	30	-0.19	50	-1.14	70	-2.68
11	1.50	31	-0.56	51	-1.26	71	-3.34
12	1.47	32	-0.35	52	-1.07	72	-3.38
13	1.43	33	-0.37	53	-1.09	73	-3.18
14	1.37	34	-0.39	54	-1.14	74	-2.65
15	1.29	35	-0.41	55	-1.28	75	-2.58
16	1.20	36	-0.46	56	-2.26	76	-2.57
17	1.13	37	-0.54	57	-2.46	77	-2.64
18	1.04	38	-0.56	58	-2.16	78	-3.11
19	0.94	39	-0.67	59	-2.47	79	-3.26
20	0.84	40	-0.83	60	-2.58	80	-3.51

1		6		11		16	
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3		8		13		18	
4		9		14		19	
5		10		15		20	

2/17/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.73	41	-1.06	61	-1.69
2	2.29	22	0.66	42	-1.07	62	-2.04
3	2.24	23	0.56	43	-1.15	63	-2.77
4	2.13	24	0.45	44	-1.08	64	-3.86
5	1.95	25	0.38	45	-1.19	65	-3.46
6	1.87	26	0.31	46	-1.91	66	-3.01
7	1.80	27	0.23	47	-1.61	67	-2.90
8	1.74	28	0.15	48	-1.19	68	-2.92
9	1.68	29	0.09	49	-1.26	69	-3.01
10	1.63	30	0.06	50	-1.48	70	-3.27
11	1.56	31	-0.14	51	-1.64	71	-3.56
12	1.48	32	-0.06	52	-0.99	72	-4.46
13	1.41	33	-0.07	53	-0.86	73	-4.56
14	1.32	34	-0.16	54	-0.76	74	-4.07
15	1.19	35	-0.26	55	-0.80	75	-3.18
16	1.12	36	-0.30	56	-0.81	76	-2.94
17	1.07	37	-0.41	57	-0.90	77	-2.83
18	1.01	38	-0.45	58	-1.94	78	-2.83
19	0.92	39	-0.50	59	-1.40	79	-2.94
20	0.84	40	-0.81	60	-1.15	80	-3.69

1		6		11		16	
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3		8		13		18	
4		9		14		19	
5		10		15		20	

2/24/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.82	41	-0.36	61	-2.27
2	2.30	22	0.74	42	-0.41	62	-2.43
3	2.21	23	0.66	43	-0.44	63	-2.60
4	2.07	24	0.56	44	-0.46	64	-2.88
5	1.92	25	0.46	45	-0.51	65	-2.77
6	1.86	26	0.36	46	-0.56	66	-2.76
7	1.79	27	0.26	47	-0.64	67	-2.83
8	1.73	28	0.16	48	-1.03	68	-2.93
9	1.68	29	0.10	49	-0.81	69	-3.05
10	1.62	30	0.03	50	-0.81	70	-3.24
11	1.55	31	-0.21	51	-0.95	71	-3.53
12	1.47	32	-0.07	52	-1.04	72	-3.64
13	1.39	33	-0.11	53	-1.16	73	-3.36
14	1.31	34	-0.15	54	-1.56	74	-2.99
15	1.22	35	-0.16	55	-1.63	75	-2.90
16	1.17	36	-0.16	56	-1.86	76	-2.84
17	1.11	37	-0.21	57	-1.62	77	-2.86
18	1.03	38	-0.24	58	-1.79	78	-2.81
19	0.94	39	-0.28	59	-1.90	79	-2.76
20	0.89	40	-0.35	60	-2.11	80	-2.84

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

3/ 3/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.84	41	-1.31	61	-2.20
2	2.31	22	0.83	42	-0.69	62	-2.51
3	2.25	23	0.74	43	-0.71	63	-3.21
4	2.11	24	0.65	44	-0.79	64	-3.47
5	1.95	25	0.59	45	-0.91	65	-3.25
6	1.87	26	0.50	46	-0.98	66	-2.80
7	1.80	27	0.43	47	-1.05	67	-2.86
8	1.72	28	0.38	48	-1.57	68	-2.98
9	1.67	29	0.31	49	-1.03	69	-3.16
10	1.62	30	0.16	50	-0.75	70	-3.28
11	1.56	31	-0.02	51	-0.74	71	-3.59
12	1.48	32	0.07	52	-0.75	72	-3.76
13	1.40	33	0.01	53	-0.80	73	-3.40
14	1.32	34	-0.11	54	-0.96	74	-2.88
15	1.24	35	-0.16	55	-1.39	75	-2.74
16	1.19	36	-0.21	56	-1.75	76	-2.72
17	1.10	37	-0.31	57	-1.89	77	-2.50
18	1.03	38	-0.35	58	-1.62	78	-3.07
19	0.94	39	-0.45	59	-1.84	79	-3.10
20	0.88	40	-0.59	60	-1.98	80	-3.09

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

3/10/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.84	41	-1.17	61	-1.39
2	2.30	22	0.78	42	-0.56	62	-1.54
3	2.24	23	0.67	43	-0.54	63	-1.83
4	2.11	24	0.56	44	-0.54	64	-2.54
5	1.94	25	0.45	45	-0.57	65	-2.36
6	1.87	26	0.34	46	-0.61	66	-2.26
7	1.79	27	0.25	47	-0.68	67	-2.38
8	1.73	28	0.15	48	-1.31	68	-2.58
9	1.68	29	0.04	49	-0.88	69	-2.80
10	1.63	30	-0.06	50	-0.95	70	-3.16
11	1.56	31	-0.18	51	-0.91	71	-3.52
12	1.48	32	-0.25	52	-0.94	72	-3.76
13	1.42	33	-0.28	53	-0.99	73	-3.19
14	1.36	34	-0.34	54	-1.07	74	-2.87
15	1.30	35	-0.37	55	-1.16	75	-2.83
16	1.19	36	-0.41	56	-1.95	76	-2.88
17	1.16	37	-0.46	57	-1.78	77	-2.96
18	1.09	38	-0.49	58	-1.61	78	-3.11
19	1.00	39	-0.54	59	-1.49	79	-3.37
20	0.93	40	-0.59	60	-1.49	80	-3.57

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

3/17/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.86	41	-0.62	61	-2.20
2	2.32	22	0.82	42	-0.38	62	-2.34
3	2.23	23	0.74	43	-0.37	63	-2.57
4	2.10	24	0.68	44	-0.42	64	-2.86
5	1.93	25	0.61	45	-0.48	65	-2.51
6	1.86	26	0.50	46	-0.46	66	-2.59
7	1.78	27	0.46	47	-0.99	67	-2.79
8	1.72	28	0.36	48	-0.99	68	-2.91
9	1.67	29	0.25	49	-0.99	69	-2.99
10	1.62	30	0.17	50	-0.76	70	-2.96
11	1.55	31	0.03	51	-0.81	71	-3.16
12	1.48	32	0.0	52	-0.80	72	-3.38
13	1.42	33	-0.08	53	-0.79	73	-2.94
14	1.36	34	-0.16	54	-0.86	74	-2.86
15	1.30	35	-0.16	55	-1.01	75	-2.95
16	1.19	36	-0.17	56	-1.54	76	-2.97
17	1.16	37	-0.24	57	-1.44	77	-2.98
18	1.07	38	-0.21	58	-1.45	78	-3.01
19	1.00	39	-0.24	59	-1.81	79	-2.98
20	0.94	40	-0.33	60	-1.96	80	-3.21

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

3/24/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.88	41	-1.11	61	-1.96
2	2.31	22	0.82	42	-0.79	62	-1.76
3	2.23	23	0.69	43	-0.86	63	-2.76
4	2.06	24	0.61	44	-0.91	64	-1.56
5	1.90	25	0.54	45	-0.96	65	-2.56
6	1.83	26	0.44	46	-1.06	66	-2.14
7	1.77	27	0.34	47	-1.16	67	-1.96
8	1.70	28	0.24	48	-2.06	68	-2.06
9	1.69	29	0.16	49	-1.76	69	-2.36
10	1.59	30	0.08	50	-1.16	70	-2.51
11	1.52	31	-0.06	51	-1.16	71	-2.66
12	1.46	32	-0.06	52	-1.31	72	-4.36
13	1.39	33	-0.17	53	-1.28	73	-4.66
14	1.35	34	-0.26	54	-1.36	74	-3.96
15	1.31	35	-0.35	55	-1.41	75	-3.46
16	1.21	36	-0.41	56	-2.46	76	-3.26
17	1.19	37	-0.48	57	-1.96	77	-3.36
18	1.14	38	-0.56	58	-1.76	78	-3.66
19	1.09	39	-0.64	59	-1.56	79	-3.96
20	1.02	40	-0.68	60	-1.66	80	-3.76

1		6		11		16	
2		7		12		17	
3		8		13		18	
4		9		14		19	
5		10		15		20	

3/31/1977

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.72	41	-2.26	61	-2.05
2	2.35	22	0.64	42	-1.58	62	-2.41
3	2.27	23	0.53	43	-1.26	63	-3.24
4	2.11	24	0.44	44	-1.50	64	-3.95
5	1.96	25	0.34	45	-1.41	65	-4.21
6	1.88	26	0.24	46	-1.43	66	-3.83
7	1.80	27	0.13	47	-2.04	67	-3.65
8	1.73	28	0.05	48	-2.55	68	-3.78
9	1.67	29	-0.11	49	-2.10	69	-3.86
10	1.68	30	-0.11	50	-1.49	70	-4.24
11	1.55	31	-0.54	51	-1.35	71	-4.36
12	1.51	32	-0.26	52	-1.36	72	-4.61
13	1.45	33	-0.31	53	-1.35	73	-4.94
14	1.46	34	-0.39	54	-1.32	74	-4.66
15	1.29	35	-0.50	55	-1.81	75	-4.73
16	1.34	36	-0.59	56	-2.33	76	-4.46
17	1.23	37	-0.61	57	-2.26	77	-4.39
18	1.09	38	-0.90	58	-1.76	78	-4.46
19	0.94	39	-0.90	59	-1.73	79	-4.71
20	0.84	40	-0.99	60	-1.76	80	-4.96

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/7/1977

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.84	41	-1.06	61	-1.56
2	2.33	22	0.72	42	-0.66	62	-2.06
3	2.28	23	0.61	43	-0.66	63	-2.69
4	2.13	24	0.47	44	-0.67	64	-3.46
5	1.98	25	0.35	45	-0.75	65	-3.66
6	1.90	26	0.25	46	-0.80	66	-3.07
7	1.83	27	0.15	47	-0.87	67	-3.21
8	1.75	28	0.06	48	-1.66	68	-3.54
9	1.70	29	-0.02	49	-1.54	69	-3.76
10	1.65	30	-0.14	50	-1.06	70	-4.36
11	1.60	31	-0.26	51	-1.03	71	-4.36
12	1.54	32	-0.33	52	-1.12	72	-4.41
13	1.49	33	-0.41	53	-1.14	73	-4.66
14	1.45	34	-0.57	54	-1.16	74	-4.41
15	1.42	35	-0.51	55	-1.16	75	-4.41
16	1.34	36	-0.48	56	-1.58	76	-4.46
17	1.24	37	-0.47	57	-1.51	77	-4.56
18	1.14	38	-0.47	58	-1.30	78	-4.61
19	1.09	39	-0.51	59	-1.31	79	-4.66
20	0.99	40	-0.56	60	-1.45	80	-4.66

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/14/1977

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.73	41	-1.51	61	-1.65
2	2.31	22	0.63	42	-0.68	62	-1.72
3	2.25	23	0.50	43	-0.66	63	-1.88
4	2.11	24	0.35	44	-0.66	64	-2.51
5	1.94	25	0.24	45	-0.69	65	-2.44
6	1.86	26	0.12	46	-0.82	66	-2.25
7	1.80	27	0.02	47	-0.86	67	-2.36
8	1.74	28	-0.14	48	-1.41	68	-2.61
9	1.71	29	-0.21	49	-1.06	69	-2.95
10	1.67	30	-0.31	50	-0.89	70	-3.61
11	1.63	31	-0.77	51	-0.95	71	-4.16
12	1.58	32	-0.46	52	-0.95	72	-4.47
13	1.49	33	-0.51	53	-1.06	73	-4.63
14	1.39	34	-0.62	54	-1.18	74	-4.66
15	1.27	35	-0.72	55	-1.49	75	-4.40
16	1.20	36	-0.95	56	-2.08	76	-4.35
17	1.08	37	-1.01	57	-2.10	77	-4.36
18	1.00	38	-1.04	58	-2.05	78	-4.51
19	0.88	39	-0.95	59	-1.76	79	-4.81
20	0.84	40	-1.26	60	-1.68	80	-4.86

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/21/1977

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.84	41	-0.77	61	-1.56
2	2.35	22	0.81	42	-0.68	62	-1.74
3	2.27	23	0.69	43	-0.75	63	-1.94
4	2.11	24	0.56	44	-0.77	64	-2.46
5	1.99	25	0.34	45	-0.98	65	-2.39
6	1.89	26	0.29	46	-1.04	66	-2.36
7	1.81	27	0.19	47	-1.14	67	-2.41
8	1.74	28	0.09	48	-1.46	68	-2.56
9	1.69	29	-0.01	49	-1.36	69	-2.84
10	1.67	30	-0.14	50	-0.82	70	-3.16
11	1.62	31	-0.36	51	-0.85	71	-3.76
12	1.58	32	-0.26	52	-0.88	72	-4.46
13	1.50	33	-0.27	53	-0.91	73	-4.41
14	1.41	34	-0.31	54	-0.96	74	-4.31
15	1.28	35	-0.34	55	-0.98	75	-4.26
16	1.19	36	-0.37	56	-1.34	76	-4.21
17	1.11	37	-0.41	57	-1.24	77	-4.26
18	1.04	38	-0.44	58	-1.20	78	-4.39
19	1.01	39	-0.53	59	-1.31	79	-4.56
20	0.94	40	-0.56	60	-1.39	80	-4.66

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

4/28/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.94	41	-1.96	61	-1.36
2	2.34	22	0.91	42	-1.26	62	-1.51
3	2.26	23	0.82	43	-0.78	63	-1.77
4	2.12	24	0.66	44	-0.76	64	-2.51
5	1.95	25	0.54	45	-0.78	65	-2.36
6	1.87	26	0.39	46	-0.80	66	-2.16
7	1.81	27	0.24	47	-0.96	67	-2.31
8	1.75	28	0.15	48	-1.88	68	-2.55
9	1.70	29	0.05	49	-1.51	69	-2.76
10	1.67	30	-0.06	50	-0.66	70	-3.06
11	1.63	31	-0.41	51	-0.71	71	-3.66
12	1.56	32	-0.30	52	-0.66	72	-4.56
13	1.50	33	-0.31	53	-0.76	73	-4.39
14	1.41	34	-0.37	54	-0.79	74	-4.18
15	1.27	35	-0.58	55	-0.94	75	-4.13
16	1.21	36	-0.65	56	-1.65	76	-4.09
17	1.11	37	-0.65	57	-1.61	77	-4.08
18	1.04	38	-0.89	58	-1.28	78	-4.08
19	1.01	39	-1.06	59	-1.29	79	-4.24
20	0.95	40	-0.96	60	-1.27	80	-4.41

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

5/ 5/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	1.09	41	-1.31	61	-1.77
2	2.34	22	1.09	42	-0.94	62	-1.98
3	2.26	23	1.04	43	-0.59	63	-2.86
4	2.15	24	0.85	44	-0.78	64	-2.90
5	1.99	25	0.66	45	-0.64	65	-3.14
6	1.90	26	0.51	46	-0.67	66	-2.57
7	1.83	27	0.36	47	-0.75	67	-2.55
8	1.77	28	0.24	48	-1.24	68	-2.65
9	1.70	29	0.12	49	-0.93	69	-2.79
10	1.65	30	-0.02	50	-0.87	70	-3.16
11	1.60	31	-0.21	51	-0.89	71	-3.61
12	1.54	32	-0.24	52	-0.94	72	-4.46
13	1.48	33	-0.31	53	-0.98	73	-4.18
14	1.39	34	-0.37	54	-1.06	74	-4.30
15	1.24	35	-0.45	55	-1.15	75	-4.05
16	1.23	36	-0.46	56	-1.48	76	-4.03
17	1.13	37	-0.46	57	-1.46	77	-4.03
18	1.07	38	-0.46	58	-1.48	78	-4.01
19	1.05	39	-0.51	59	-1.51	79	-4.21
20	1.05	40	-0.56	60	-1.60	80	-4.31

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

5/12/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.81	41	-1.37	61	-1.39
2	2.37	22	0.72	42	-1.16	62	-1.68
3	2.28	23	0.63	43	-1.27	63	-2.31
4	2.16	24	0.52	44	-1.11	64	-2.99
5	2.00	25	0.44	45	-1.04	65	-2.66
6	1.90	26	0.36	46	-1.05	66	-2.57
7	1.83	27	0.25	47	-0.99	67	-2.68
8	1.78	28	0.11	48	-1.52	68	-2.83
9	1.72	29	-0.04	49	-1.48	69	-3.03
10	1.68	30	-0.16	50	-1.26	70	-3.34
11	1.62	31	-0.36	51	-1.26	71	-4.89
12	1.57	32	-0.34	52	-1.45	72	-4.41
13	1.48	33	-0.38	53	-1.55	73	-4.26
14	1.42	34	-0.39	54	-1.41	74	-4.16
15	1.31	35	-0.45	55	-1.56	75	-4.14
16	1.20	36	-0.48	56	-1.84	76	-4.15
17	1.13	37	-0.51	57	-1.77	77	-4.01
18	1.04	38	-0.53	58	-1.14	78	-4.03
19	0.95	39	-0.56	59	-1.07	79	-4.15
20	0.86	40	-0.61	60	-1.21	80	-4.27

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

5/19/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.64	41	-1.41	61	-1.59
2	2.35	22	0.56	42	-1.46	62	-1.56
3	2.22	23	0.46	43	-1.26	63	-1.86
4	2.08	24	0.35	44	-0.95	64	-2.93
5	1.96	25	0.26	45	-0.96	65	-2.99
6	1.89	26	0.16	46	-1.06	66	-2.46
7	1.83	27	0.06	47	-1.21	67	-2.54
8	1.76	28	0.04	48	-2.16	68	-2.86
9	1.72	29	-0.09	49	-1.88	69	-3.16
10	1.70	30	-0.16	50	-1.90	70	-3.35
11	1.66	31	-0.27	51	-1.84	71	-3.96
12	1.60	32	-0.29	52	-1.81	72	-4.56
13	1.51	33	-0.36	53	-1.83	73	-4.82
14	1.39	34	-0.45	54	-1.99	74	-4.72
15	1.30	35	-0.51	55	-1.50	75	-4.33
16	1.19	36	-0.56	56	-1.96	76	-4.23
17	1.08	37	-0.60	57	-2.07	77	-4.35
18	0.99	38	-0.65	58	-1.96	78	-4.11
19	0.85	39	-0.70	59	-1.75	79	-4.20
20	0.74	40	-0.78	60	-1.61	80	-4.96

1	6	11	16
2	7	12	17
3	8	13	18
4	9	14	19
5	10	15	20

5/26/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.73	41	-1.62	61	-1.76
2	2.28	22	0.64	42	-1.04	62	-1.88
3	2.21	23	0.53	43	-0.86	63	-2.17
4	2.11	24	0.41	44	-0.85	64	-3.27
5	1.97	25	0.29	45	-0.85	65	-3.17
6	1.88	26	0.17	46	-0.89	66	-2.97
7	1.83	27	0.06	47	-0.93	67	-2.65
8	1.76	28	-0.05	48	-1.75	68	-2.60
9	1.73	29	-0.15	49	-1.46	69	-2.76
10	1.68	30	-0.27	50	-1.16	70	-2.96
11	1.65	31	-0.61	51	-1.14	71	-3.71
12	1.57	32	-0.43	52	-1.14	72	-4.57
13	1.48	33	-0.44	53	-1.16	73	-4.59
14	1.38	34	-0.48	54	-1.23	74	-4.51
15	1.29	35	-0.86	55	-1.46	75	-4.12
16	1.19	36	-0.64	56	-2.29	76	-3.98
17	1.14	37	-0.62	57	-2.30	77	-3.86
18	1.05	38	-0.65	58	-1.91	78	-3.86
19	0.96	39	-0.67	59	-1.74	79	-4.09
20	0.84	40	-0.75	60	-1.72	80	-4.26

1	0.76	6	0.83	11	0.71	16	0.71
2	0.96	7	0.80	12	0.79	17	0.73
3	1.00	8	0.87	13	0.91	18	0.83
4	0.91	9	1.02	14	0.95	19	0.82
5	0.88	10	0.99	15	0.78	20	0.68

6/ 2/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.66	41	-1.30	61	-1.85
2	2.27	22	0.59	42	-0.76	62	-1.96
3	2.20	23	0.47	43	-0.76	63	-2.22
4	2.07	24	0.32	44	-0.78	64	-3.36
5	1.98	25	0.24	45	-0.78	65	-3.28
6	1.87	26	0.14	46	-0.81	66	-2.94
7	1.82	27	0.03	47	-0.96	67	-2.44
8	1.76	28	-0.06	48	-1.50	68	-2.40
9	1.72	29	-0.16	49	-1.18	69	-2.44
10	1.68	30	-0.26	50	-1.36	70	-2.36
11	1.63	31	-0.51	51	-1.22	71	-2.21
12	1.56	32	-0.43	52	-1.20	72	-3.74
13	1.49	33	-0.47	53	-1.24	73	-3.94
14	1.41	34	-0.52	54	-1.28	74	-2.85
15	1.35	35	-0.67	55	-1.66	75	-2.37
16	1.29	36	-0.68	56	-2.21	76	-2.36
17	1.17	37	-0.77	57	-2.28	77	-2.36
18	1.08	38	-0.67	58	-1.61	78	-2.57
19	0.94	39	-0.79	59	-1.62	79	-3.56
20	0.83	40	-0.76	60	-1.71	80	-4.28

1	0.64	6	0.72	11	0.68	16	0.60
2	0.71	7	0.68	12	0.78	17	0.61
3	0.84	8	0.69	13	0.83	18	0.67
4	0.81	9	0.72	14	0.68	19	0.74
5	0.74	10	0.70	15	0.62	20	0.79

6/ 9/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.72	41	-1.47	61	-1.66
2	2.29	22	0.66	42	-0.86	62	-2.09
3	2.21	23	0.55	43	-0.92	63	-2.38
4	2.08	24	0.44	44	-0.86	64	-2.51
5	1.98	25	0.33	45	-0.94	65	-2.38
6	1.90	26	0.19	46	-0.95	66	-2.07
7	1.84	27	0.09	47	-1.06	67	-2.26
8	1.80	28	0.0	48	-2.08	68	-2.41
9	1.76	29	-0.11	49	-1.36	69	-2.71
10	1.73	30	-0.20	50	-0.81	70	-3.36
11	1.69	31	-0.42	51	-0.78	71	-4.03
12	1.60	32	-0.37	52	-0.66	72	-4.36
13	1.51	33	-0.40	53	-0.72	73	-3.98
14	1.41	34	-0.44	54	-0.75	74	-3.42
15	1.31	35	-0.46	55	-0.71	75	-3.34
16	1.22	36	-0.51	56	-1.21	76	-3.35
17	1.11	37	-0.54	57	-1.21	77	-3.39
18	1.05	38	-0.65	58	-1.16	78	-3.86
19	0.95	39	-0.65	59	-1.14	79	-4.38
20	0.92	40	-0.74	60	-1.35	80	-4.46

1	0.99	6	0.98	11	0.78	16	0.65
2	1.11	7	0.94	12	0.91	17	0.69
3	1.06	8	0.93	13	0.85	18	0.78
4	1.12	9	0.98	14	0.73	19	0.84
5	1.05	10	1.01	15	0.68	20	0.73

6/16/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.98	41	-0.94	61	-1.57
2	2.47	22	0.87	42	-0.68	62	-1.91
3	2.25	23	0.74	43	-0.74	63	-2.26
4	2.17	24	0.63	44	-0.85	64	-2.35
5	1.97	25	0.43	45	-0.87	65	-2.43
6	1.90	26	0.18	46	-0.77	66	-2.33
7	1.85	27	-0.10	47	-0.90	67	-2.48
8	1.80	28	-0.28	48	-1.30	68	-2.67
9	1.77	29	-0.40	49	-1.16	69	-2.96
10	1.73	30	-0.47	50	-0.97	70	-3.19
11	1.69	31	-0.68	51	-0.96	71	-3.62
12	1.58	32	-0.31	52	-1.01	72	-3.77
13	1.51	33	-0.28	53	-1.16	73	-3.40
14	1.42	34	-0.27	54	-1.27	74	-3.41
15	1.31	35	-0.31	55	-1.36	75	-3.38
16	1.19	36	-0.35	56	-1.71	76	-3.47
17	1.13	37	-0.38	57	-1.76	77	-3.41
18	1.04	38	-0.54	58	-1.34	78	-3.75
19	0.97	39	-0.47	59	-1.36	79	-3.77
20	0.98	40	-0.54	60	-1.47	80	-3.76

1	1.03	6	0.97	11	0.94	16	0.90
2	1.08	7	0.92	12	1.02	17	0.93
3	1.06	8	0.93	13	1.00	18	1.03
4	1.05	9	0.96	14	0.99	19	1.08
5	1.02	10	0.95	15	0.95	20	0.98

6/23/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.23	21	0.71	41	-1.59	61	-1.37
2	2.28	22	0.63	42	-1.47	62	-1.34
3	2.20	23	0.51	43	-1.35	63	-1.38
4	2.07	24	0.41	44	-1.35	64	-2.10
5	1.97	25	0.29	45	-1.37	65	-1.97
6	1.90	26	0.14	46	-1.41	66	-1.58
7	1.84	27	-0.05	47	-1.64	67	-1.76
8	1.80	28	-0.04	48	-2.51	68	-2.09
9	1.77	29	-0.15	49	-2.29	69	-2.45
10	1.72	30	-0.25	50	-2.16	70	-2.85
11	1.70	31	-0.37	51	-2.04	71	-3.57
12	1.63	32	-0.38	52	-1.96	72	-4.42
13	1.56	33	-0.46	53	-1.90	73	-4.36
14	1.46	34	-0.51	54	-1.82	74	-3.77
15	1.37	35	-0.56	55	-1.88	75	-3.68
16	1.26	36	-0.61	56	-2.77	76	-3.64
17	1.19	37	-0.67	57	-2.48	77	-3.67
18	1.08	38	-0.74	58	-1.88	78	-3.75
19	0.94	39	-0.75	59	-1.66	79	-4.08
20	0.84	40	-0.85	60	-1.83	80	-4.96

1	0.74	6	0.79	11	0.72	16	0.67
2	0.89	7	0.75	12	0.91	17	0.72
3	1.11	8	0.80	13	0.84	18	0.79
4	1.05	9	0.98	14	0.75	19	0.85
5	0.90	10	1.10	15	0.68	20	0.75

6/30/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	0.84	41	-0.84	61	-1.82
2	2.29	22	0.73	42	-0.62	62	-1.98
3	2.19	23	0.57	43	-0.65	63	-2.41
4	2.07	24	0.42	44	-0.69	64	-2.51
5	1.99	25	0.24	45	-0.78	65	-2.45
6	1.92	26	0.09	46	-0.85	66	-2.07
7	1.85	27	-0.07	47	-0.84	67	-2.23
8	1.81	28	-0.20	48	-1.31	68	-2.52
9	1.78	29	-0.36	49	-0.98	69	-2.87
10	1.74	30	-0.46	50	-0.99	70	-3.11
11	1.70	31	-0.94	51	-0.97	71	-3.43
12	1.63	32	-0.56	52	-1.05	72	-4.02
13	1.58	33	-0.46	53	-1.16	73	-3.81
14	1.49	34	-0.40	54	-1.26	74	-3.35
15	1.41	35	-0.39	55	-1.31	75	-3.55
16	1.32	36	-0.40	56	-1.75	76	-3.57
17	1.24	37	-0.45	57	-1.85	77	-3.64
18	1.20	38	-0.46	58	-1.55	78	-3.84
19	1.13	39	-0.46	59	-1.53	79	-4.14
20	1.02	40	-0.54	60	-1.68	80	-4.76

1	1.01	6	1.04	11	0.92	16	0.63
2	1.07	7	1.00	12	0.87	17	0.72
3	1.00	8	1.09	13	0.75	18	0.74
4	1.10	9	1.23	14	0.70	19	0.70
5	1.12	10	1.35	15	0.67	20	0.67

7/ 7/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	0.74	41	-1.72	61	-1.58
2	2.25	22	0.64	42	-1.41	62	-1.94
3	2.21	23	0.53	43	-1.06	63	-2.39
4	2.07	24	0.43	44	-1.03	64	-3.45
5	1.96	25	0.31	45	-1.05	65	-3.09
6	1.89	26	0.18	46	-1.27	66	-2.47
7	1.84	27	0.09	47	-1.77	67	-2.44
8	1.80	28	0.01	48	-2.40	68	-2.48
9	1.76	29	-0.11	49	-2.16	69	-2.49
10	1.74	30	-0.18	50	-1.93	70	-2.76
11	1.69	31	-0.33	51	-1.71	71	-3.74
12	1.65	32	-0.36	52	-1.55	72	-4.43
13	1.60	33	-0.36	53	-1.51	73	-4.81
14	1.51	34	-0.40	54	-1.16	74	-4.33
15	1.43	35	-0.44	55	-1.14	75	-3.63
16	1.30	36	-0.50	56	-1.77	76	-3.48
17	1.23	37	-0.55	57	-1.65	77	-3.42
18	1.12	38	-0.61	58	-1.37	78	-3.56
19	1.02	39	-0.65	59	-1.29	79	-3.71
20	0.89	40	-0.76	60	-1.36	80	-4.76

1	0.76	6	0.96	11	0.66	16	0.49
2	0.80	7	0.88	12	0.63	17	0.53
3	0.83	8	0.88	13	0.68	18	0.55
4	0.96	9	0.99	14	0.63	19	0.51
5	1.12	10	1.11	15	0.53	20	0.50

7/14/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	1.04	41	-0.86	61	-2.01
2	2.50	22	0.84	42	-0.66	62	-2.19
3	2.43	23	0.64	43	-0.68	63	-2.44
4	2.09	24	0.42	44	-0.75	64	-2.89
5	1.98	25	0.21	45	-0.79	65	-2.46
6	1.90	26	0.0	46	-0.87	66	-2.41
7	1.85	27	-0.17	47	-0.98	67	-2.46
8	1.80	28	-0.34	48	-1.89	68	-2.57
9	1.78	29	-0.36	49	-1.67	69	-2.79
10	1.75	30	-0.47	50	-1.51	70	-3.16
11	1.69	31	-0.58	51	-1.65	71	-3.61
12	1.66	32	-0.34	52	-1.53	72	-4.26
13	1.61	33	-0.35	53	-1.46	73	-3.91
14	1.52	34	-0.34	54	-1.21	74	-3.40
15	1.44	35	-0.36	55	-1.26	75	-3.34
16	1.31	36	-0.38	56	-1.70	76	-3.36
17	1.24	37	-0.42	57	-1.60	77	-3.36
18	1.14	38	-0.46	58	-1.49	78	-3.47
19	1.09	39	-0.49	59	-1.69	79	-3.58
20	1.06	40	-0.55	60	-2.06	80	-3.88

1	1.13	6	1.31	11	0.88	16	1.04
2	1.22	7	1.28	12	0.80	17	1.08
3	1.24	8	1.21	13	0.93	18	0.95
4	1.25	9	1.19	14	0.90	19	1.00
5	1.28	10	1.25	15	0.89	20	0.95

7/21/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	1.11	41	-1.06	61	-2.38
2	2.34	22	0.99	42	-0.93	62	-2.62
3	2.24	23	0.81	43	-0.76	63	-2.49
4	2.06	24	0.58	44	-0.86	64	-2.87
5	2.00	25	0.44	45	-0.76	65	-2.69
6	1.90	26	0.28	46	-0.80	66	-2.40
7	1.83	27	0.12	47	-0.86	67	-2.52
8	1.81	28	0.01	48	-1.45	68	-2.71
9	1.78	29	-0.11	49	-1.19	69	-2.90
10	1.75	30	-0.20	50	-1.11	70	-3.23
11	1.71	31	-0.56	51	-1.14	71	-3.77
12	1.65	32	-0.26	52	-1.24	72	-3.99
13	1.55	33	-0.25	53	-1.26	73	-3.55
14	1.51	34	-0.27	54	-1.25	74	-3.24
15	1.42	35	-0.38	55	-1.36	75	-3.36
16	1.32	36	-0.33	56	-1.95	76	-3.23
17	1.24	37	-0.39	57	-1.81	77	-3.35
18	1.14	38	-0.45	58	-1.66	78	-3.36
19	1.11	39	-0.49	59	-1.99	79	-3.31
20	1.09	40	-0.57	60	-2.24	80	-3.26
1	1.23	6	1.34	11	1.16	16	0.91
2	1.28	7	1.03	12	1.13	17	1.17
3	1.24	8	1.04	13	1.05	18	1.18
4	1.27	9	0.91	14	1.09	19	1.16
5	1.27	10	0.94	15	1.13	20	1.13

7/28/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	1.09	41	-0.69	61	-2.31
2	2.27	22	0.99	42	-0.45	62	-2.62
3	2.24	23	0.87	43	-0.54	63	-2.78
4	2.08	24	0.74	44	-0.57	64	-3.11
5	1.99	25	0.62	45	-0.65	65	-2.67
6	1.91	26	0.41	46	-0.74	66	-2.55
7	1.85	27	0.25	47	-0.81	67	-2.57
8	1.81	28	0.11	48	-1.08	68	-2.86
9	1.75	29	0.02	49	-1.01	69	-3.14
10	1.72	30	-0.06	50	-1.04	70	-3.23
11	1.67	31	-0.31	51	-1.09	71	-3.48
12	1.64	32	-0.02	52	-1.11	72	-3.66
13	1.55	33	-0.01	53	-1.25	73	-3.21
14	1.51	34	-0.01	54	-1.41	74	-3.19
15	1.42	35	-0.06	55	-1.95	75	-3.26
16	1.30	36	-0.14	56	-2.36	76	-3.16
17	1.21	37	-0.22	57	-2.25	77	-2.88
18	1.13	38	-0.24	58	-2.17	78	-2.65
19	1.12	39	-0.28	59	-2.44	79	-2.61
20	1.15	40	-0.43	60	-2.36	80	-2.68
1	1.17	6	1.28	11	1.18	16	1.08
2	1.22	7	1.19	12	1.16	17	1.17
3	1.24	8	1.27	13	1.14	18	1.17
4	1.22	9	1.34	14	1.17	19	1.23
5	1.28	10	1.41	15	1.02	20	1.18

8/4/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	1.14	41	-0.96	61	-3.11
2	2.26	22	1.19	42	-0.84	62	-3.16
3	2.24	23	1.12	43	-0.68	63	-3.23
4	2.12	24	0.84	44	-0.75	64	-3.44
5	1.97	25	0.68	45	-0.75	65	-3.11
6	1.90	26	0.52	46	-0.80	66	-2.64
7	1.84	27	0.42	47	-1.88	67	-2.76
8	1.81	28	0.26	48	-1.45	68	-3.04
9	1.76	29	0.21	49	-1.15	69	-3.25
10	1.72	30	0.13	50	-1.07	70	-3.52
11	1.70	31	0.04	51	-1.18	71	-3.47
12	1.65	32	-0.15	52	-1.22	72	-3.48
13	1.55	33	-0.12	53	-1.21	73	-3.11
14	1.50	34	-0.18	54	-1.46	74	-2.81
15	1.42	35	-0.26	55	-1.76	75	-2.65
16	1.29	36	-0.31	56	-2.91	76	-2.49
17	1.24	37	-0.36	57	-2.75	77	-2.37
18	1.14	38	-0.39	58	-2.36	78	-2.50
19	1.13	39	-0.45	59	-2.33	79	-2.48
20	1.13	40	-0.51	60	-2.70	80	-2.85
1	1.10	6	1.28	11	1.22	16	1.12
2	1.27	7	1.30	12	1.23	17	1.16
3	1.30	8	1.30	13	1.21	18	1.20
4	1.28	9	1.32	14	1.19	19	1.24
5	1.27	10	1.35	15	1.10	20	1.26

8/11/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	1.17	41	-0.82	61	-3.16
2	2.39	22	1.04	42	-0.57	62	-3.22
3	2.36	23	0.94	43	-0.59	63	-3.23
4	2.09	24	0.83	44	-0.59	64	-3.56
5	1.97	25	0.72	45	-0.65	65	-2.50
6	1.90	26	0.58	46	-0.70	66	-2.72
7	1.82	27	0.48	47	-0.77	67	-2.75
8	1.79	28	0.39	48	-1.26	68	-2.78
9	1.74	29	0.29	49	-1.07	69	-2.84
10	1.71	30	0.20	50	-1.01	70	-2.89
11	1.68	31	-0.11	51	-1.15	71	-2.93
12	1.64	32	0.09	52	-1.32	72	-3.16
13	1.54	33	0.04	53	-1.68	73	-2.63
14	1.48	34	-0.02	54	-2.27	74	-2.17
15	1.39	35	-0.08	55	-2.43	75	-2.26
16	1.29	36	-0.16	56	-3.05	76	-2.32
17	1.24	37	-0.18	57	-2.84	77	-2.46
18	1.19	38	-0.23	58	-2.51	78	-2.67
19	1.19	39	-0.26	59	-2.95	79	-2.89
20	1.23	40	-0.31	60	-2.97	80	-3.16
1	0.99	6	1.39	11	1.26	16	0.96
2	1.09	7	1.41	12	1.27	17	1.23
3	1.37	8	1.25	13	1.26	18	1.27
4	1.41	9	1.38	14	1.21	19	1.24
5	1.40	10	1.46	15	0.91	20	1.28

8/18/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	0.99	41	-1.51	61	-2.36
2	2.20	22	0.91	42	-1.15	62	-2.48
3	2.18	23	0.80	43	-0.92	63	-3.00
4	2.04	24	0.71	44	-0.95	64	-3.89
5	1.96	25	0.61	45	-1.00	65	-3.66
6	1.88	26	0.49	46	-1.02	66	-2.65
7	1.82	27	0.39	47	-1.02	67	-2.34
8	1.78	28	0.30	48	-1.72	68	-2.38
9	1.72	29	0.23	49	-1.46	69	-2.45
10	1.71	30	0.15	50	-0.96	70	-2.66
11	1.68	31	0.05	51	-1.11	71	-3.27
12	1.65	32	-0.06	52	-1.13	72	-3.66
13	1.59	33	-0.16	53	-1.14	73	-3.31
14	1.55	34	-0.21	54	-1.36	74	-2.35
15	1.50	35	-0.28	55	-2.37	75	-2.08
16	1.44	36	-0.37	56	-3.01	76	-1.97
17	1.41	37	-0.47	57	-3.05	77	-1.98
18	1.32	38	-0.53	58	-2.17	78	-1.99
19	1.24	39	-0.61	59	-2.07	79	-2.20
20	1.10	40	-0.96	60	-2.23	80	-2.97

1	1.13	6	1.61	11	0.99	16	0.88
2	1.23	7	1.48	12	1.10	17	0.85
3	1.11	8	1.25	13	1.18	18	0.90
4	1.14	9	1.27	14	0.96	19	0.97
5	1.32	10	1.40	15	0.87	20	1.12

8/25/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.43	41	-1.99	61	-2.41
2	2.37	22	0.25	42	-1.56	62	-2.66
3	2.34	23	0.23	43	-1.49	63	-3.40
4	2.09	24	0.11	44	-1.46	64	-4.30
5	1.98	25	0.04	45	-1.56	65	-4.31
6	1.91	26	0.0	46	-1.57	66	-3.60
7	1.85	27	-0.08	47	-1.77	67	-3.16
8	1.83	28	-0.19	48	-2.44	68	-3.19
9	1.82	29	-0.25	49	-2.06	69	-3.20
10	1.81	30	-0.36	50	-1.86	70	-3.56
11	1.77	31	-0.90	51	-1.77	71	-3.85
12	1.65	32	-0.55	52	-1.81	72	-4.59
13	1.55	33	-0.48	53	-1.88	73	-4.66
14	1.43	34	-0.56	54	-1.74	74	-4.78
15	1.31	35	-0.66	55	-2.07	75	-3.81
16	1.20	36	-0.77	56	-2.84	76	-3.57
17	1.10	37	-0.86	57	-2.44	77	-3.67
18	0.97	38	-0.85	58	-1.93	78	-3.67
19	0.85	39	-0.94	59	-1.80	79	-3.86
20	0.72	40	-1.16	60	-2.06	80	-4.76

1	1.53	6	1.47	11	1.22	16	1.15
2	1.50	7	1.41	12	1.21	17	1.13
3	1.37	8	1.32	13	1.21	18	1.12
4	1.36	9	1.44	14	1.25	19	1.14
5	1.37	10	1.46	15	1.20	20	1.14

9/ 1/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.23	21	0.38	41	-1.56	61	-1.34
2	2.25	22	0.26	42	-1.37	62	-1.87
3	2.37	23	0.14	43	-1.46	63	-2.09
4	2.07	24	0.04	44	-1.46	64	-2.37
5	1.99	25	-0.06	45	-1.52	65	-2.11
6	1.90	26	-0.14	46	-1.41	66	-1.91
7	1.86	27	-0.24	47	-2.58	67	-2.03
8	1.86	28	-0.32	48	-2.16	68	-2.24
9	1.84	29	-0.38	49	-2.29	69	-2.66
10	1.81	30	-0.36	50	-2.24	70	-2.87
11	1.71	31	-0.87	51	-1.96	71	-3.87
12	1.67	32	-0.64	52	-1.63	72	-4.40
13	1.62	33	-0.67	53	-1.45	73	-3.80
14	1.50	34	-0.69	54	-1.46	74	-3.38
15	1.39	35	-0.76	55	-1.59	75	-3.36
16	1.23	36	-0.86	56	-2.22	76	-3.47
17	1.15	37	-0.91	57	-1.73	77	-3.76
18	1.01	38	-0.96	58	-1.16	78	-4.11
19	0.85	39	-0.96	59	-1.17	79	-4.28
20	0.72	40	-1.11	60	-1.26	80	-4.46

1	0.63	6	0.78	11	0.57	16	0.71
2	0.65	7	0.70	12	0.65	17	0.74
3	0.64	8	0.70	13	0.69	18	0.74
4	0.67	9	0.74	14	0.74	19	0.75
5	0.72	10	0.75	15	0.73	20	0.74

9/ 8/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.76	41	-0.91	61	-1.50
2	2.45	22	0.62	42	-0.85	62	-1.83
3	2.48	23	0.48	43	-0.89	63	-2.05
4	2.07	24	0.35	44	-1.00	64	-2.35
5	1.97	25	0.27	45	-0.85	65	-1.95
6	1.90	26	0.17	46	-0.72	66	-1.95
7	1.85	27	0.02	47	-0.87	67	-3.27
8	1.85	28	-0.04	48	-1.63	68	-2.33
9	1.85	29	-0.20	49	-1.10	69	-2.80
10	1.80	30	-0.48	50	-0.97	70	-2.85
11	1.75	31	-0.68	51	-0.95	71	-3.18
12	1.67	32	-0.46	52	-1.08	72	-3.68
13	1.58	33	-0.45	53	-0.98	73	-3.21
14	1.51	34	-0.40	54	-0.78	74	-3.25
15	1.41	35	-0.40	55	-1.05	75	-3.33
16	1.29	36	-0.61	56	-1.82	76	-3.38
17	1.19	37	-0.38	57	-1.40	77	-3.53
18	1.03	38	-0.41	58	-1.95	78	-3.65
19	0.97	39	-0.40	59	-1.00	79	-3.79
20	0.89	40	-0.40	60	-1.10	80	-4.05

1	0.93	6	1.02	11	0.82	16	0.78
2	0.91	7	1.15	12	0.85	17	0.81
3	0.99	8	0.79	13	0.87	18	0.85
4	0.93	9	1.03	14	0.89	19	0.86
5	0.91	10	1.14	15	0.81	20	0.89

9/15/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.74	41	-1.62	61	-1.25
2	2.29	22	0.65	42	-1.04	62	-1.61
3	2.27	23	0.50	43	-0.96	63	-2.25
4	1.96	24	0.39	44	-1.08	64	-2.69
5	1.96	25	0.29	45	-1.21	65	-2.39
6	1.88	26	0.21	46	-1.19	66	-2.03
7	1.86	27	0.16	47	-1.19	67	-2.19
8	1.84	28	0.05	48	-1.71	68	-2.34
9	1.83	29	-0.02	49	-1.42	69	-2.55
10	1.79	30	-0.10	50	-0.97	70	-2.79
11	1.73	31	-0.18	51	-1.05	71	-3.31
12	1.69	32	-0.22	52	-0.79	72	-3.71
13	1.55	33	-0.30	53	-0.80	73	-3.33
14	1.46	34	-0.39	54	-0.83	74	-3.07
15	1.37	35	-0.48	55	-0.96	75	-3.24
16	1.32	36	-0.65	56	-1.58	76	-3.42
17	1.28	37	-0.67	57	-1.50	77	-3.51
18	1.24	38	-1.11	58	-1.10	78	-3.46
19	1.13	39	-1.20	59	-1.13	79	-3.50
20	0.97	40	-1.46	60	-1.14	80	-3.60

1	0.88	6	0.87	11	0.75	16	0.74
2	0.93	7	0.88	12	0.79	17	0.71
3	0.89	8	0.88	13	0.92	18	0.77
4	0.82	9	0.98	14	0.84	19	0.69
5	0.81	10	1.12	15	0.80	20	0.64

9/22/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.59	41	-1.10	61	-1.00
2	2.50	22	0.47	42	-0.72	62	-1.00
3	2.58	23	0.37	43	-0.76	63	-1.08
4	2.19	24	0.27	44	-0.85	64	-1.65
5	2.16	25	0.20	45	-1.11	65	-1.73
6	2.04	26	0.20	46	-1.37	66	-1.22
7	1.88	27	0.02	47	-1.75	67	-1.32
8	1.79	28	-0.05	48	-2.72	68	-1.55
9	1.70	29	-0.07	49	-2.10	69	-1.84
10	1.60	30	-0.15	50	-1.35	70	-2.37
11	1.50	31	-0.58	51	-1.29	71	-2.70
12	1.41	32	-0.32	52	-1.24	72	-3.47
13	1.33	33	-0.34	53	-1.13	73	-3.04
14	1.26	34	-0.31	54	-1.12	74	-2.80
15	1.18	35	-0.30	55	-1.30	75	-2.93
16	1.10	36	-0.33	56	-1.82	76	-3.05
17	1.02	37	-0.40	57	-1.43	77	-3.08
18	0.90	38	-0.40	58	-1.00	78	-3.80
19	0.80	39	-0.50	59	-1.00	79	-4.00
20	0.70	40	-0.55	60	-1.02	80	-4.50

1	1.35	6	1.19	11	1.04	16	1.17
2	1.33	7	1.25	12	1.08	17	1.16
3	1.34	8	1.28	13	1.11	18	1.16
4	1.30	9	1.31	14	1.09	19	1.18
5	1.29	10	1.32	15	1.08	20	1.16

9/29/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	0.80	41	-1.95	61	-1.15
2	2.75	22	0.71	42	-1.55	62	-1.13
3	2.37	23	0.60	43	-0.65	63	-1.23
4	2.19	24	0.49	44	-0.65	64	-1.60
5	2.13	25	0.39	45	-0.65	65	-1.70
6	1.99	26	0.30	46	-0.73	66	-1.51
7	1.87	27	0.23	47	-1.00	67	-1.68
8	1.76	28	0.16	48	-1.43	68	-1.84
9	1.69	29	0.09	49	-0.95	69	-2.08
10	1.58	30	0.0	50	-0.88	70	-2.23
11	1.48	31	-0.13	51	-1.00	71	-2.51
12	1.38	32	-0.15	52	-1.10	72	-3.20
13	1.30	33	-0.20	53	-1.26	73	-2.95
14	1.24	34	-0.29	54	-1.50	74	-2.97
15	1.17	35	-0.39	55	-1.50	75	-3.13
16	1.10	36	-0.40	56	-1.61	76	-3.05
17	1.11	37	-0.52	57	-1.60	77	-2.70
18	1.10	38	-0.80	58	-1.24	78	-2.71
19	1.05	39	-0.90	59	-1.28	79	-2.90
20	0.96	40	-1.49	60	-1.25	80	-3.00

1	0.99	6	1.06	11	0.80	16	0.98
2	1.07	7	0.95	12	0.91	17	1.13
3	1.05	8	0.84	13	1.08	18	1.04
4	1.17	9	1.10	14	0.90	19	0.90
5	1.06	10	1.14	15	0.78	20	0.95

10/ 6/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	0.60	41	-1.70	61	-1.80
2	2.64	22	0.60	42	-1.20	62	-1.80
3	2.36	23	0.50	43	-0.85	63	-2.20
4	2.18	24	0.40	44	-0.80	64	-3.00
5	2.12	25	0.40	45	-0.80	65	-2.90
6	2.00	26	0.30	46	-0.80	66	-2.20
7	1.90	27	0.20	47	-1.20	67	-2.10
8	1.82	28	0.20	48	-2.15	68	-2.10
9	1.74	29	0.10	49	-1.70	69	-2.20
10	1.64	30	0.0	50	-1.30	70	-2.60
11	1.56	31	-0.40	51	-1.30	71	-3.20
12	1.46	32	-0.15	52	-1.20	72	-4.30
13	1.37	33	-0.15	53	-1.20	73	-4.45
14	1.28	34	-0.20	54	-1.30	74	-4.10
15	1.14	35	-0.20	55	-2.00	75	-3.45
16	1.05	36	-0.30	56	-2.90	76	-3.50
17	1.00	37	-0.40	57	-2.80	77	-3.60
18	0.80	38	-0.40	58	-2.00	78	-3.70
19	0.85	39	-0.50	59	-1.70	79	-3.90
20	0.75	40	-0.70	60	-1.70	80	-4.70

1	1.22	6	0.99	11	1.12	16	1.10
2	1.27	7	1.23	12	1.14	17	1.09
3	1.46	8	1.14	13	1.06	18	1.09
4	1.31	9	1.07	14	1.04	19	1.08
5	1.26	10	1.08	15	1.07	20	1.20

10/13/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.41	41	-1.80	61	-1.37
2	2.36	22	0.38	42	-1.22	62	-1.41
3	2.33	23	0.30	43	-1.03	63	-1.74
4	2.21	24	0.20	44	-1.05	64	-2.60
5	2.13	25	0.12	45	-1.10	65	-2.64
6	2.05	26	0.05	46	-1.25	66	-2.18
7	1.99	27	-0.04	47	-1.29	67	-2.24
8	1.86	28	-0.11	48	-2.20	68	-2.34
9	1.76	29	-0.15	49	-2.14	69	-2.51
10	1.64	30	-0.28	50	-1.77	70	-2.80
11	1.53	31	-0.80	51	-1.90	71	-3.43
12	1.42	32	-0.42	52	-2.00	72	-4.29
13	1.32	33	-0.45	53	-1.55	73	-4.48
14	1.20	34	-0.55	54	-1.51	74	-3.86
15	1.09	35	-0.59	55	-1.54	75	-3.56
16	0.99	36	-0.60	56	-2.11	76	-3.55
17	0.90	37	-0.68	57	-1.83	77	-3.60
18	0.78	38	-0.75	58	-1.21	78	-3.83
19	0.66	39	-0.81	59	-1.20	79	-4.59
20	0.50	40	-0.93	60	-1.21	80	-4.80

1	0.69	6	0.91	11	0.58	16	0.65
2	0.84	7	0.86	12	0.64	17	0.67
3	0.90	8	0.92	13	0.60	18	0.66
4	0.87	9	0.88	14	0.55	19	0.57
5	0.90	10	0.93	15	0.60	20	0.75

10/20/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.24	41	-1.45	61	-1.53
2	2.32	22	0.21	42	-1.15	62	-2.00
3	2.27	23	0.20	43	-1.10	63	-2.48
4	2.19	24	0.02	44	-1.29	64	-2.80
5	2.10	25	-0.01	45	-1.24	65	-2.91
6	2.01	26	-0.18	46	-1.16	66	-2.50
7	1.95	27	-0.20	47	-1.20	67	-2.41
8	1.80	28	-0.27	48	-2.23	68	-2.33
9	1.73	29	-0.32	49	-1.87	69	-2.84
10	1.62	30	-0.59	50	-1.88	70	-3.14
11	1.51	31	-0.98	51	-1.75	71	-3.47
12	1.38	32	-0.65	52	-1.80	72	-4.35
13	1.27	33	-0.60	53	-1.49	73	-4.38
14	1.16	34	-0.70	54	-1.21	74	-4.10
15	1.05	35	-0.73	55	-1.13	75	-3.50
16	1.00	36	-0.85	56	-1.81	76	-3.44
17	0.90	37	-0.75	57	-1.84	77	-3.55
18	0.80	38	-0.80	58	-1.30	78	-3.80
19	0.66	39	-0.89	59	-1.30	79	-4.00
20	0.50	40	-0.90	60	-1.36	80	-4.60

1	0.46	6	0.57	11	0.29	16	0.52
2	0.49	7	0.63	12	0.32	17	0.44
3	0.56	8	0.64	13	0.35	18	0.55
4	0.56	9	0.59	14	0.35	19	0.57
5	0.58	10	0.71	15	0.33	20	0.70

10/27/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	0.37	41	-1.70	61	-2.00
2	2.65	22	0.40	42	-1.21	62	-2.10
3	2.34	23	0.33	43	-0.89	63	-2.28
4	2.20	24	0.23	44	-0.76	64	-3.17
5	2.12	25	0.18	45	-0.81	65	-3.13
6	2.03	26	0.10	46	-0.89	66	-3.05
7	1.96	27	0.0	47	-1.00	67	-2.59
8	1.86	28	-0.07	48	-1.82	68	-2.50
9	1.78	29	-0.11	49	-1.76	69	-2.39
10	1.67	30	-0.22	50	-1.25	70	-2.43
11	1.55	31	-0.95	51	-1.18	71	-2.66
12	1.42	32	-0.41	52	-1.20	72	-4.15
13	1.31	33	-0.41	53	-1.20	73	-3.90
14	1.20	34	-0.49	54	-1.45	74	-3.12
15	1.05	35	-0.50	55	-1.84	75	-2.90
16	1.01	36	-0.60	56	-2.65	76	-2.74
17	0.93	37	-0.60	57	-2.50	77	-2.73
18	0.80	38	-0.71	58	-2.20	78	-2.90
19	0.70	39	-0.62	59	-2.10	79	-3.24
20	0.58	40	-0.89	60	-2.02	80	-4.80

1	0.79	6	1.12	11	0.48	16	0.42
2	0.89	7	1.06	12	0.55	17	0.45
3	1.02	8	1.02	13	0.63	18	0.55
4	1.15	9	0.98	14	0.54	19	0.40
5	1.18	10	0.92	15	0.47	20	0.38

11/ 3/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.60	41	-1.70	61	-1.60
2	2.64	22	0.55	42	-1.20	62	-1.70
3	2.29	23	0.50	43	-1.05	63	-2.00
4	2.20	24	0.40	44	-0.85	64	-2.80
5	2.10	25	0.30	45	-0.90	65	-2.70
6	2.01	26	0.20	46	-0.90	66	-1.80
7	1.97	27	0.15	47	-1.20	67	-1.95
8	1.85	28	0.10	48	-1.90	68	-1.80
9	1.76	29	0.05	49	-1.43	69	-1.90
10	1.66	30	0.0	50	-1.20	70	-2.05
11	1.57	31	-0.35	51	-1.05	71	-2.51
12	1.48	32	-0.15	52	-1.20	72	-3.50
13	1.37	33	-0.15	53	-1.05	73	-3.45
14	1.25	34	-0.20	54	-1.20	74	-2.80
15	1.16	35	-0.25	55	-1.90	75	-2.75
16	1.00	36	-0.35	56	-2.20	76	-2.90
17	1.05	37	-0.45	57	-2.20	77	-3.15
18	0.90	38	-0.45	58	-2.18	78	-3.45
19	0.85	39	-0.50	59	-1.90	79	-3.60
20	0.80	40	-0.90	60	-1.70	80	-4.90

1	1.30	6	1.45	11	1.08	16	1.02
2	1.38	7	1.39	12	1.17	17	1.05
3	1.49	8	1.35	13	1.21	18	1.09
4	1.61	9	1.36	14	1.13	19	1.13
5	1.53	10	1.40	15	1.07	20	1.11

		11/10/1977					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	0.90	41	-0.90	61	-1.05
2	2.62	22	0.75	42	-0.45	62	-1.20
3	2.27	23	0.65	43	-0.50	63	-1.40
4	2.19	24	0.60	44	-0.50	64	-1.95
5	2.11	25	0.50	45	-0.55	65	-1.90
6	2.05	26	0.25	46	-0.65	66	-1.60
7	1.96	27	0.15	47	-1.00	67	-1.80
8	1.85	28	0.0	48	-1.35	68	-2.35
9	1.76	29	-0.15	49	-1.45	69	-2.20
10	1.66	30	-0.40	50	-1.05	70	-2.85
11	1.58	31	-1.00	51	-0.85	71	-2.85
12	1.48	32	-0.60	52	-0.85	72	-2.95
13	1.37	33	-0.30	53	-0.85	73	-3.05
14	1.25	34	-0.30	54	-0.95	74	-2.90
15	1.16	35	-0.30	55	-1.10	75	-2.25
16	1.15	36	-0.35	56	-1.65	76	-2.95
17	1.10	37	-0.35	57	-1.65	77	-2.80
18	1.10	38	-0.35	58	-1.15	78	-3.50
19	1.05	39	-0.35	59	-1.10	79	-4.20
20	1.00	40	-0.45	60	-1.00	80	-4.30

1	1.46	6	1.53	11	1.18	16	1.06
2	1.68	7	1.48	12	1.35	17	1.04
3	1.76	8	1.37	13	1.37	18	1.06
4	1.72	9	1.30	14	1.33	19	1.15
5	1.65	10	1.27	15	1.41	20	1.22

		11/17/1977					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.54	21	0.55	41	-1.30	61	-1.85
2	2.67	22	0.50	42	-1.00	62	-2.15
3	2.28	23	0.35	43	-0.80	63	-2.10
4	2.21	24	0.30	44	-0.90	64	-2.40
5	2.18	25	0.20	45	-1.00	65	-2.75
6	2.04	26	0.10	46	-1.00	66	-2.50
7	1.98	27	0.10	47	-1.60	67	-2.50
8	1.86	28	0.0	48	-1.75	68	-2.40
9	1.79	29	-0.05	49	-1.60	69	-2.40
10	1.68	30	-0.20	50	-1.20	70	-2.30
11	1.60	31	-0.70	51	-1.15	71	-2.70
12	1.52	32	-0.45	52	-1.10	72	-3.80
13	1.43	33	-0.40	53	-1.10	73	-3.30
14	1.37	34	-0.50	54	-1.00	74	-2.80
15	1.28	35	-0.55	55	-1.80	75	-2.45
16	1.20	36	-0.65	56	-2.20	76	-3.00
17	1.10	37	-0.75	57	-2.35	77	-3.30
18	0.95	38	-0.70	58	-1.80	78	-3.60
19	0.85	39	-0.70	59	-1.80	79	-4.15
20	0.70	40	-0.90	60	-1.85	80	-4.50

1	1.26	6	1.51	11	1.03	16	1.07
2	1.35	7	1.39	12	1.36	17	1.07
3	1.43	8	1.30	13	1.33	18	1.16
4	1.55	9	1.23	14	1.19	19	1.35
5	1.52	10	1.22	15	1.11	20	1.45

		11/24/1977					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	0.62	41	-1.88	61	-1.15
2	2.63	22	0.53	42	-1.02	62	-1.49
3	2.33	23	0.40	43	-1.00	63	-1.89
4	2.21	24	0.31	44	-0.95	64	-2.30
5	2.15	25	0.24	45	-0.93	65	-1.90
6	2.05	26	0.15	46	-1.00	66	-1.71
7	1.98	27	0.0	47	-1.35	67	-1.80
8	1.87	28	-0.10	48	-1.72	68	-2.16
9	1.80	29	-0.12	49	-1.06	69	-2.45
10	1.71	30	-0.31	50	-0.80	70	-2.90
11	1.64	31	-0.73	51	-0.79	71	-3.04
12	1.55	32	-0.45	52	-0.84	72	-3.33
13	1.46	33	-0.49	53	-0.98	73	-2.64
14	1.35	34	-0.60	54	-1.18	74	-2.30
15	1.24	35	-0.66	55	-1.28	75	-2.27
16	1.16	36	-0.70	56	-1.90	76	-2.30
17	1.08	37	-0.71	57	-1.70	77	-2.24
18	0.98	38	-0.75	58	-1.10	78	-2.24
19	0.87	39	-0.76	59	-1.01	79	-2.33
20	0.78	40	-1.30	60	-1.03	80	-3.05

1	0.94	6	0.88	11	0.71	16	0.80
2	1.02	7	0.83	12	0.79	17	0.87
3	1.00	8	0.84	13	0.83	18	0.93
4	0.99	9	0.79	14	0.77	19	0.92
5	0.95	10	0.75	15	0.72	20	0.86

		12/ 1/1977					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	0.14	41	-1.65	61	-2.39
2	2.40	22	0.05	42	-1.36	62	-2.54
3	2.18	23	-0.03	43	-1.23	63	-2.88
4	2.09	24	-0.11	44	-1.22	64	-3.07
5	1.98	25	-0.20	45	-1.34	65	-2.67
6	1.85	26	-0.28	46	-1.40	66	-2.10
7	1.74	27	-0.34	47	-1.51	67	-2.02
8	1.62	28	-0.35	48	-2.00	68	-2.02
9	1.52	29	-0.42	49	-1.78	69	-2.07
10	1.42	30	-0.50	50	-1.72	70	-2.50
11	1.32	31	-0.73	51	-1.74	71	-2.54
12	1.20	32	-0.81	52	-1.83	72	-3.11
13	1.07	33	-0.68	53	-1.95	73	-2.79
14	0.95	34	-0.73	54	-2.40	74	-3.25
15	0.83	35	-0.79	55	-2.61	75	-3.39
16	0.71	36	-0.85	56	-2.95	76	-2.67
17	0.63	37	-0.98	57	-2.83	77	-3.00
18	0.50	38	-0.98	58	-2.40	78	-3.45
19	0.41	39	-1.13	59	-2.36	79	-3.78
20	0.30	40	-1.39	60	-2.38	80	-4.21

1	0.46	6	0.46	11	0.14	16	0.29
2	0.46	7	0.50	12	0.17	17	0.29
3	0.45	8	0.59	13	0.20	18	0.35
4	0.46	9	0.51	14	0.11	19	0.41
5	0.39	10	0.50	15	0.22	20	0.39

12/ 8/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	-0.08	41	-1.55	61	-2.10
2	2.39	22	-0.06	42	-1.30	62	-2.10
3	2.23	23	-0.18	43	-1.40	63	-2.40
4	2.11	24	-0.25	44	-1.39	64	-2.60
5	2.00	25	-0.30	45	-1.30	65	-2.30
6	1.86	26	-0.35	46	-1.87	66	-2.20
7	1.75	27	-0.40	47	-1.97	67	-2.48
8	1.65	28	-0.45	48	-2.23	68	-2.45
9	1.53	29	-0.55	49	-2.23	69	-2.61
10	1.41	30	-0.65	50	-2.18	70	-2.72
11	1.33	31	-0.79	51	-2.15	71	-2.80
12	1.24	32	-0.70	52	-2.18	72	-2.95
13	1.16	33	-0.87	53	-2.20	73	-2.68
14	1.00	34	-0.79	54	-2.23	74	-2.55
15	0.80	35	-0.80	55	-2.37	75	-2.70
16	0.80	36	-1.10	56	-2.52	76	-3.02
17	0.59	37	-0.79	57	-2.05	77	-3.30
18	0.40	38	-0.82	58	-1.75	78	-3.48
19	0.30	39	-1.30	59	-1.80	79	-3.70
20	-0.30	40	-1.45	60	-2.08	80	-3.80

1	0.53	6	0.55	11	0.49	16	0.78
2	0.46	7	0.54	12	0.60	17	0.80
3	0.43	8	0.58	13	0.64	18	0.94
4	0.43	9	0.61	14	0.66	19	1.00
5	0.46	10	0.64	15	0.67	20	1.06

12/15/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	-0.03	41	-1.80	61	-1.50
2	2.33	22	-0.10	42	-1.52	62	-1.59
3	2.21	23	-0.20	43	-1.05	63	-1.75
4	2.09	24	-0.25	44	-1.00	64	-2.23
5	1.95	25	-0.45	45	-1.05	65	-2.38
6	1.81	26	-0.45	46	-1.12	66	-1.98
7	1.63	27	-0.48	47	-1.25	67	-1.97
8	1.47	28	-0.50	48	-2.15	68	-2.07
9	1.33	29	-0.56	49	-1.90	69	-2.25
10	1.20	30	-0.64	50	-1.50	70	-2.57
11	1.07	31	-1.35	51	-1.40	71	-4.20
12	0.94	32	-1.03	52	-1.40	72	-3.56
13	0.81	33	-0.74	53	-1.40	73	-3.80
14	0.68	34	-0.77	54	-1.40	74	-3.40
15	0.55	35	-0.73	55	-1.60	75	-3.08
16	0.38	36	-0.77	56	-2.40	76	-3.15
17	0.40	37	-0.78	57	-2.05	77	-3.40
18	0.40	38	-0.84	58	-1.75	78	-3.60
19	0.16	39	-0.85	59	-1.65	79	-4.00
20	0.10	40	-1.10	60	-1.55	80	-4.50

1	-0.21	6	-0.10	11	-0.13	16	0.03
2	-0.15	7	-0.27	12	-0.12	17	0.05
3	-0.18	8	-0.08	13	-0.07	18	0.02
4	-0.15	9	-0.01	14	-0.03	19	0.02
5	-0.11	10	-0.05	15	-0.00	20	0.03

12/22/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.03	41	-1.32	61	-2.35
2	2.30	22	0.01	42	-1.09	62	-2.80
3	2.19	23	-0.01	43	-1.20	63	-2.89
4	2.08	24	-0.12	44	-1.25	64	-3.28
5	1.94	25	-0.19	45	-0.80	65	-2.80
6	1.82	26	-0.27	46	-0.90	66	-2.82
7	1.66	27	-0.42	47	-0.94	67	-2.89
8	1.52	28	-0.54	48	-1.49	68	-3.03
9	1.41	29	-0.77	49	-1.25	69	-3.31
10	1.29	30	-0.99	50	-1.31	70	-3.50
11	1.16	31	-1.30	51	-1.20	71	-4.06
12	1.05	32	-0.98	52	-1.44	72	-4.28
13	0.96	33	-0.90	53	-1.55	73	-3.83
14	0.88	34	-0.86	54	-1.62	74	-3.73
15	0.83	35	-0.80	55	-1.79	75	-3.77
16	0.70	36	-0.69	56	-1.94	76	-3.85
17	0.55	37	-0.82	57	-1.72	77	-4.00
18	0.46	38	-0.59	58	-1.76	78	-4.33
19	0.33	39	-0.71	59	-1.98	79	-4.56
20	0.22	40	-0.85	60	-2.11	80	-4.60

1	0.48	6	0.44	11	0.12	16	0.34
2	0.46	7	0.38	12	0.18	17	0.20
3	0.53	8	0.39	13	0.24	18	0.28
4	0.52	9	0.25	14	0.26	19	0.29
5	0.50	10	0.37	15	0.43	20	0.16

12/29/1977							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	-0.11	41	-1.61	61	-2.20
2	2.35	22	-0.07	42	-1.41	62	-2.64
3	2.22	23	-0.10	43	-1.47	63	-3.28
4	2.11	24	-0.19	44	-1.20	64	-3.62
5	1.99	25	-0.22	45	-1.06	65	-3.89
6	1.86	26	-0.30	46	-1.14	66	-3.26
7	1.72	27	-0.35	47	-1.23	67	-3.35
8	1.58	28	-0.40	48	-1.88	68	-3.40
9	1.46	29	-0.46	49	-1.69	69	-3.88
10	1.32	30	-0.60	50	-1.50	70	-4.18
11	1.19	31	-1.09	51	-1.40	71	-4.31
12	1.04	32	-0.80	52	-1.38	72	-4.45
13	0.93	33	-0.70	53	-1.29	73	-4.53
14	0.82	34	-0.70	54	-1.32	74	-4.08
15	0.70	35	-0.77	55	-1.70	75	-3.90
16	0.58	36	-0.78	56	-2.21	76	-4.10
17	0.48	37	-0.83	57	-2.05	77	-4.51
18	0.38	38	-0.84	58	-1.71	78	-4.64
19	0.29	39	-0.95	59	-1.81	79	-4.67
20	0.19	40	-1.00	60	-1.80	80	-4.90

1	0.52	6	0.65	11	0.01	16	0.12
2	0.58	7	0.66	12	-0.00	17	0.15
3	0.59	8	0.67	13	-0.03	18	0.15
4	0.62	9	0.69	14	-0.00	19	0.14
5	0.64	10	0.65	15	0.05	20	0.13

1/ 5/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	-0.08	41	-1.73	61	-2.31
2	2.29	22	-0.15	42	-1.41	62	-2.52
3	2.18	23	-0.21	43	-1.19	63	-3.08
4	2.07	24	-0.30	44	-1.10	64	-3.60
5	1.95	25	-0.42	45	-0.99	65	-3.40
6	1.83	26	-0.46	46	-1.00	66	-3.10
7	1.69	27	-0.64	47	-1.45	67	-3.04
8	1.55	28	-0.76	48	-1.71	68	-3.05
9	1.45	29	-0.75	49	-1.43	69	-3.10
10	1.35	30	-0.95	50	-1.45	70	-3.24
11	1.27	31	-1.18	51	-1.40	71	-3.61
12	1.13	32	-0.99	52	-1.48	72	-4.35
13	0.98	33	-0.90	53	-1.53	73	-4.56
14	0.85	34	-1.10	54	-1.76	74	-4.43
15	0.74	35	-0.95	55	-1.95	75	-3.95
16	0.57	36	-1.16	56	-2.27	76	-3.85
17	0.52	37	-0.89	57	-2.30	77	-4.00
18	0.48	38	-1.00	58	-1.94	78	-4.14
19	0.37	39	-0.90	59	-2.02	79	-4.52
20	0.20	40	-1.19	60	-2.20	80	-4.80

1	0.61	6	0.69	11	0.13	16	0.23
2	0.67	7	0.67	12	0.12	17	0.25
3	0.65	8	0.65	13	0.18	18	0.29
4	0.65	9	0.66	14	0.24	19	0.21
5	0.68	10	0.64	15	0.31	20	0.29

1/12/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	-0.07	41	-1.60	61	-2.70
2	2.34	22	-0.14	42	-1.14	62	-2.95
3	2.21	23	-0.15	43	-1.06	63	-3.40
4	2.10	24	-0.25	44	-1.10	64	-4.18
5	1.98	25	-0.35	45	-1.20	65	-4.10
6	1.85	26	-0.42	46	-1.75	66	-3.25
7	1.69	27	-0.47	47	-2.20	67	-3.10
8	1.58	28	-0.53	48	-2.50	68	-3.03
9	1.40	29	-0.60	49	-2.00	69	-3.10
10	1.23	30	-0.85	50	-1.60	70	-3.40
11	1.10	31	-1.15	51	-1.90	71	-3.90
12	0.99	32	-0.73	52	-1.95	72	-4.50
13	0.84	33	-0.66	53	-2.20	73	-4.50
14	0.67	34	-0.65	54	-2.48	74	-4.20
15	0.56	35	-0.67	55	-3.24	75	-3.65
16	0.41	36	-0.75	56	-3.40	76	-3.55
17	0.35	37	-0.77	57	-3.35	77	-3.60
18	0.33	38	-0.76	58	-2.75	78	-3.90
19	0.11	39	-0.80	59	-2.63	79	-4.60
20	0.12	40	-0.94	60	-2.65	80	-4.80

1	0.52	6	0.65	11	0.30	16	0.46
2	0.55	7	0.69	12	0.38	17	0.48
3	0.58	8	0.70	13	0.40	18	0.51
4	0.61	9	0.76	14	0.41	19	0.55
5	0.62	10	0.82	15	0.43	20	0.57

1/19/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	-0.20	41	-1.60	61	-2.45
2	2.31	22	-0.12	42	-1.30	62	-2.75
3	2.18	23	-0.13	43	-1.18	63	-3.60
4	2.08	24	-0.14	44	-1.25	64	-3.80
5	1.98	25	-0.35	45	-1.48	65	-3.60
6	1.84	26	-0.50	46	-1.75	66	-2.96
7	1.67	27	-0.50	47	-2.30	67	-2.95
8	1.56	28	-0.43	48	-2.50	68	-2.90
9	1.43	29	-0.45	49	-2.67	69	-3.00
10	1.31	30	-0.74	50	-2.37	70	-3.60
11	1.20	31	-0.80	51	-2.35	71	-3.80
12	1.05	32	-0.76	52	-2.35	72	-4.21
13	0.91	33	-0.80	53	-2.40	73	-3.95
14	0.75	34	-0.90	54	-2.42	74	-3.49
15	0.59	35	-0.80	55	-2.75	75	-3.55
16	0.43	36	-0.95	56	-3.00	76	-3.67
17	0.39	37	-1.00	57	-3.83	77	-3.85
18	0.29	38	-1.09	58	-2.60	78	-4.22
19	0.18	39	-1.08	59	-2.47	79	-4.25
20	0.10	40	-1.22	60	-2.40	80	-4.40

1	0.04	6	0.13	11	0.04	16	0.07
2	0.02	7	0.16	12	0.06	17	0.15
3	0.0	8	0.18	13	0.03	18	0.22
4	0.04	9	0.13	14	0.04	19	0.25
5	0.12	10	0.15	15	-0.06	20	0.23

1/26/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.0	41	-1.85	61	-3.37
2	2.32	22	-0.01	42	-1.71	62	-3.80
3	2.17	23	-0.11	43	-1.39	63	-3.90
4	2.06	24	-0.20	44	-2.11	64	-4.52
5	1.94	25	-0.25	45	-2.21	65	-4.18
6	1.83	26	-0.35	46	-2.40	66	-3.40
7	1.72	27	-0.41	47	-2.60	67	-3.20
8	1.58	28	-0.44	48	-2.84	68	-3.20
9	1.42	29	-0.49	49	-3.10	69	-3.22
10	1.27	30	-0.60	50	-2.89	70	-3.25
11	1.12	31	-1.16	51	-2.90	71	-4.46
12	0.98	32	-0.93	52	-2.98	72	-4.14
13	0.86	33	-0.74	53	-2.91	73	-4.00
14	0.74	34	-0.78	54	-3.00	74	-3.15
15	0.62	35	-0.80	55	-3.05	75	-3.06
16	0.53	36	-0.79	56	-3.46	76	-3.11
17	0.45	37	-0.80	57	-3.40	77	-3.30
18	0.32	38	-0.81	58	-2.57	78	-3.49
19	0.25	39	-0.88	59	-2.31	79	-3.80
20	0.13	40	-1.46	60	-2.30	80	-4.43

1	0.37	6	0.56	11	0.02	16	0.23
2	0.41	7	0.54	12	0.06	17	0.26
3	0.42	8	0.51	13	0.05	18	0.37
4	0.49	9	0.62	14	0.03	19	0.46
5	0.51	10	0.68	15	0.25	20	0.51

2/ 2/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	-0.03	41	-1.60	61	-2.40
2	2.28	22	-0.05	42	-1.10	62	-2.53
3	2.15	23	-0.11	43	-1.25	63	-2.89
4	2.05	24	-0.17	44	-1.43	64	-3.42
5	1.97	25	-0.31	45	-1.59	65	-3.13
6	1.84	26	-0.40	46	-2.22	66	-2.80
7	1.72	27	-0.60	47	-2.35	67	-2.52
8	1.54	28	-0.60	48	-2.50	68	-2.46
9	1.39	29	-0.90	49	-2.12	69	-2.54
10	1.26	30	-0.85	50	-2.05	70	-2.75
11	1.14	31	-1.16	51	-2.18	71	-3.00
12	1.01	32	-0.70	52	-2.26	72	-3.31
13	0.91	33	-0.52	53	-2.31	73	-2.92
14	0.83	34	-0.54	54	-2.55	74	-2.64
15	0.74	35	-0.60	55	-3.06	75	-2.55
16	0.61	36	-0.63	56	-3.30	76	-2.70
17	0.51	37	-0.81	57	-3.10	77	-2.90
18	0.40	38	-0.90	58	-2.86	78	-3.18
19	0.24	39	-1.31	59	-2.60	79	-3.43
20	0.11	40	-1.50	60	-2.47	80	-3.50
1	0.22	6	0.38	11	-0.01	16	0.20
2	0.27	7	0.33	12	-0.00	17	0.21
3	0.28	8	0.36	13	0.06	18	0.22
4	0.28	9	0.39	14	0.10	19	0.42
5	0.32	10	0.38	15	0.12	20	0.70

2/ 9/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.02	41	-1.70	61	-2.47
2	2.36	22	0.01	42	-1.62	62	-2.52
3	2.22	23	-0.07	43	-1.40	63	-2.80
4	2.12	24	-0.13	44	-1.41	64	-3.11
5	2.01	25	-0.20	45	-1.49	65	-2.52
6	1.90	26	-0.25	46	-1.69	66	-2.50
7	1.73	27	-0.31	47	-1.90	67	-2.47
8	1.61	28	-0.33	48	-2.50	68	-2.50
9	1.45	29	-0.40	49	-2.02	69	-2.62
10	1.31	30	-0.49	50	-1.98	70	-2.70
11	1.19	31	-0.78	51	-2.05	71	-2.83
12	1.07	32	-0.67	52	-2.16	72	-3.10
13	1.01	33	-0.63	53	-2.30	73	-2.62
14	0.98	34	-0.73	54	-2.53	74	-2.52
15	0.94	35	-0.82	55	-2.86	75	-2.62
16	0.76	36	-0.88	56	-3.12	76	-2.78
17	0.60	37	-0.94	57	-2.74	77	-2.92
18	0.50	38	-1.00	58	-2.50	78	-3.08
19	0.44	39	-1.14	59	-2.41	79	-3.18
20	0.22	40	-1.58	60	-2.39	80	-3.40
1	0.37	6	0.30	11	0.10	16	0.60
2	0.35	7	0.32	12	0.18	17	0.67
3	0.31	8	0.31	13	0.34	18	0.71
4	0.26	9	0.30	14	0.41	19	0.70
5	0.33	10	0.23	15	0.43	20	0.88

2/16/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.20	41	-1.72	61	-1.93
2	2.37	22	0.10	42	-1.51	62	-2.20
3	2.32	23	0.0	43	-1.50	63	-2.50
4	2.27	24	-0.09	44	-1.53	64	-2.77
5	2.13	25	-0.15	45	-1.68	65	-2.45
6	2.01	26	-0.25	46	-1.84	66	-2.40
7	1.87	27	-0.31	47	-2.13	67	-2.45
8	1.68	28	-0.39	48	-2.51	68	-2.58
9	1.50	29	-0.47	49	-2.14	69	-2.93
10	1.36	30	-0.72	50	-1.59	70	-3.43
11	1.27	31	-0.93	51	-1.36	71	-3.51
12	1.16	32	-0.40	52	-1.00	72	-3.51
13	1.04	33	-0.43	53	-0.85	73	-3.20
14	0.93	34	-0.49	54	-0.90	74	-2.95
15	0.83	35	-0.60	55	-1.23	75	-3.00
16	0.78	36	-0.56	56	-1.52	76	-3.02
17	0.69	37	-0.60	57	-1.41	77	-3.50
18	0.60	38	-1.16	58	-1.39	78	-3.71
19	0.49	39	-1.22	59	-1.47	79	-3.70
20	0.36	40	-1.49	60	-1.60	80	-3.50
1	0.40	6	0.36	11	0.24	16	0.52
2	0.32	7	0.36	12	0.30	17	0.62
3	0.41	8	0.30	13	0.40	18	0.71
4	0.37	9	0.29	14	0.37	19	0.92
5	0.28	10	0.30	15	0.39	20	0.97

2/23/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.40	41	-1.50	61	-2.03
2	2.27	22	0.29	42	-1.10	62	-2.21
3	2.15	23	0.17	43	-1.10	63	-2.40
4	2.05	24	0.08	44	-1.23	64	-2.60
5	1.95	25	0.0	45	-1.39	65	-2.32
6	1.83	26	-0.11	46	-1.43	66	-2.50
7	1.68	27	-0.25	47	-1.89	67	-2.65
8	1.54	28	-0.29	48	-2.31	68	-2.90
9	1.42	29	-0.30	49	-2.28	69	-3.07
10	1.31	30	-0.33	50	-1.91	70	-3.20
11	1.23	31	-0.65	51	-1.60	71	-3.35
12	1.17	32	-0.55	52	-1.34	72	-3.49
13	1.11	33	-0.50	53	-1.25	73	-3.10
14	1.01	34	-0.52	54	-1.19	74	-3.00
15	0.93	35	-0.60	55	-1.55	75	-3.01
16	0.89	36	-0.64	56	-1.70	76	-3.03
17	0.79	37	-0.78	57	-1.40	77	-3.00
18	0.69	38	-0.80	58	-1.50	78	-3.00
19	0.60	39	-1.05	59	-1.65	79	-3.08
20	0.50	40	-1.18	60	-1.89	80	-3.10
1	0.66	6	0.58	11	0.36	16	0.45
2	0.66	7	0.53	12	0.34	17	0.54
3	0.60	8	0.52	13	0.35	18	0.66
4	0.60	9	0.53	14	0.41	19	0.83
5	0.62	10	0.46	15	0.42	20	0.91

3/ 2/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.62	41	-1.60	61	-2.50
2	2.33	22	0.50	42	-1.01	62	-2.85
3	2.24	23	0.32	43	-1.00	63	-2.97
4	2.12	24	0.21	44	-0.95	64	-3.20
5	2.02	25	0.09	45	-0.98	65	-2.79
6	1.90	26	-0.05	46	-1.09	66	-2.61
7	1.73	27	-0.17	47	-1.22	67	-2.85
8	1.57	28	-0.24	48	-2.06	68	-2.90
9	1.44	29	-0.31	49	-1.53	69	-3.00
10	1.35	30	-0.41	50	-1.20	70	-3.09
11	1.28	31	-0.90	51	-1.10	71	-3.28
12	1.23	32	-0.53	52	-1.03	72	-3.40
13	1.18	33	-0.57	53	-1.02	73	-2.65
14	1.14	34	-0.55	54	-1.32	74	-2.40
15	1.10	35	-0.67	55	-1.50	75	-2.21
16	1.02	36	-0.66	56	-1.90	76	-2.16
17	0.94	37	-0.71	57	-1.53	77	-2.25
18	0.83	38	-0.80	58	-1.57	78	-2.27
19	0.75	39	-0.95	59	-1.74	79	-2.42
20	0.70	40	-1.20	60	-2.31	80	-2.90
1	0.78	6	0.56	11	0.58	16	0.57
2	0.82	7	0.48	12	0.67	17	0.55
3	0.83	8	0.40	13	0.60	18	0.62
4	0.72	9	0.33	14	0.58	19	0.56
5	0.62	10	0.20	15	0.51	20	0.53

3/ 9/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.54	41	-1.39	61	-2.74
2	2.37	22	0.44	42	-0.77	62	-2.85
3	2.23	23	0.29	43	-0.80	63	-3.00
4	2.13	24	0.12	44	-0.77	64	-3.20
5	2.02	25	0.0	45	-0.77	65	-2.69
6	1.90	26	-0.12	46	-0.78	66	-2.45
7	1.73	27	-0.32	47	-0.81	67	-2.40
8	1.57	28	-0.35	48	-1.24	68	-2.35
9	1.44	29	-0.42	49	-1.01	69	-2.47
10	1.34	30	-0.68	50	-1.10	70	-2.64
11	1.27	31	-1.12	51	-1.19	71	-2.66
12	1.21	32	-0.96	52	-1.16	72	-2.92
13	1.18	33	-0.79	53	-1.29	73	-2.86
14	1.14	34	-1.05	54	-1.50	74	-2.40
15	1.12	35	-1.13	55	-1.69	75	-2.02
16	1.06	36	-1.08	56	-2.17	76	-2.08
17	1.05	37	-1.10	57	-2.00	77	-2.14
18	1.00	38	-0.84	58	-1.89	78	-2.38
19	0.90	39	-0.71	59	-2.00	79	-2.70
20	0.76	40	-1.02	60	-2.41	80	-3.00
1	0.52	6	0.42	11	0.50	16	0.62
2	0.67	7	0.41	12	0.58	17	0.79
3	0.65	8	0.28	13	0.68	18	0.73
4	0.57	9	0.13	14	0.77	19	0.77
5	0.47	10	-0.01	15	0.68	20	0.84

3/16/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.38	41	-1.80	61	-2.50
2	2.35	22	0.28	42	-1.08	62	-2.67
3	2.20	23	0.16	43	-0.93	63	-2.80
4	2.09	24	0.05	44	-0.89	64	-3.10
5	2.00	25	-0.03	45	-0.79	65	-3.03
6	1.87	26	-0.12	46	-0.75	66	-2.80
7	1.73	27	-0.20	47	-0.79	67	-2.75
8	1.64	28	-0.25	48	-1.22	68	-2.87
9	1.53	29	-0.32	49	-1.02	69	-3.00
10	1.42	30	-0.39	50	-1.00	70	-3.04
11	1.32	31	-0.81	51	-1.08	71	-3.35
12	1.23	32	-0.50	52	-1.13	72	-3.35
13	1.14	33	-0.52	53	-1.18	73	-3.09
14	1.05	34	-0.50	54	-1.25	74	-2.80
15	0.97	35	-0.45	55	-1.64	75	-2.87
16	0.90	36	-0.52	56	-2.08	76	-3.10
17	0.83	37	-0.60	57	-2.00	77	-3.20
18	0.79	38	-0.70	58	-1.80	78	-3.32
19	0.70	39	-0.91	59	-2.07	79	-3.40
20	0.55	40	-1.45	60	-2.33	80	-3.50
1	0.57	6	0.59	11	0.42	16	0.63
2	0.53	7	0.53	12	0.49	17	0.68
3	0.48	8	0.48	13	0.46	18	0.72
4	0.52	9	0.51	14	0.53	19	0.75
5	0.63	10	0.43	15	0.59	20	0.86

3/23/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	0.12	41	-2.28	61	-1.70
2	2.31	22	0.25	42	-2.02	62	-1.73
3	2.19	23	0.14	43	-1.50	63	-2.13
4	2.09	24	0.08	44	-1.50	64	-2.80
5	1.99	25	0.04	45	-1.40	65	-2.60
6	1.89	26	-0.17	46	-1.71	66	-2.31
7	1.76	27	-0.22	47	-2.23	67	-2.50
8	1.62	28	-0.21	48	-2.69	68	-2.42
9	1.50	29	-0.34	49	-2.22	69	-2.65
10	1.41	30	-0.55	50	-1.60	70	-3.92
11	1.31	31	-1.03	51	-1.40	71	-4.36
12	1.19	32	-0.61	52	-1.50	72	-4.70
13	1.08	33	-0.61	53	-1.42	73	-5.10
14	0.98	34	-0.60	54	-1.40	74	-4.60
15	0.85	35	-0.63	55	-1.90	75	-3.55
16	0.75	36	-0.71	56	-2.66	76	-3.60
17	0.67	37	-0.77	57	-2.40	77	-3.71
18	0.60	38	-0.85	58	-1.59	78	-3.80
19	0.43	39	-0.96	59	-1.51	79	-4.60
20	0.40	40	-1.62	60	-1.50	80	-5.00
1	0.40	6	0.33	11	0.30	16	0.31
2	0.35	7	0.38	12	0.29	17	0.32
3	0.36	8	0.39	13	0.29	18	0.45
4	0.39	9	0.40	14	0.24	19	0.44
5	0.38	10	0.40	15	0.30	20	0.55

3/30/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	0.19	41	-2.00	61	-1.45
2	2.31	22	0.10	42	-1.81	62	-1.48
3	2.20	23	0.0	43	-1.40	63	-1.52
4	2.09	24	-0.09	44	-1.32	64	-1.71
5	1.93	25	-0.13	45	-1.50	65	-2.00
6	1.87	26	-0.21	46	-1.46	66	-1.80
7	1.76	27	-0.26	47	-1.52	67	-2.12
8	1.66	28	-0.32	48	-2.50	68	-2.38
9	1.54	29	-0.40	49	-2.40	69	-2.64
10	1.44	30	-0.49	50	-2.20	70	-3.05
11	1.31	31	-1.00	51	-2.15	71	-3.63
12	1.22	32	-0.62	52	-2.10	72	-3.82
13	1.12	33	-0.63	53	-1.96	73	-3.70
14	1.03	34	-0.67	54	-2.13	74	-3.59
15	0.96	35	-0.69	55	-1.59	75	-3.74
16	0.82	36	-0.75	56	-2.32	76	-4.10
17	0.67	37	-0.86	57	-2.28	77	-4.59
18	0.55	38	-1.09	58	-2.13	78	-4.70
19	0.44	39	-1.32	59	-1.94	79	-4.60
20	0.41	40	-1.61	60	-1.81	80	-4.70

1	0.41	6	0.38	11	0.14	16	0.32
2	0.37	7	0.37	12	0.15	17	0.38
3	0.40	8	0.34	13	0.18	18	0.46
4	0.37	9	0.28	14	0.25	19	0.50
5	0.35	10	0.24	15	0.29	20	0.49

4/ 6/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.10	41	-2.10	61	-1.69
2	2.30	22	0.08	42	-1.71	62	-1.80
3	2.18	23	0.0	43	-1.21	63	-1.95
4	2.09	24	-0.10	44	-1.21	64	-2.60
5	1.98	25	-0.18	45	-1.20	65	-2.60
6	1.85	26	-0.25	46	-1.39	66	-2.00
7	1.75	27	-0.41	47	-1.76	67	-2.00
8	1.63	28	-0.40	48	-2.46	68	-2.02
9	1.50	29	-0.51	49	-1.90	69	-2.32
10	1.37	30	-0.66	50	-1.40	70	-2.65
11	1.27	31	-0.96	51	-1.39	71	-3.13
12	1.16	32	-0.89	52	-1.34	72	-3.68
13	1.13	33	-0.70	53	-1.30	73	-3.43
14	0.90	34	-0.71	54	-1.35	74	-3.05
15	0.80	35	-0.80	55	-1.49	75	-3.09
16	0.68	36	-0.90	56	-2.36	76	-3.30
17	0.59	37	-0.96	57	-2.20	77	-3.44
18	0.49	38	-0.95	58	-1.66	78	-4.01
19	0.36	39	-1.03	59	-1.55	79	-4.58
20	0.26	40	-1.28	60	-1.53	80	-4.81

1	0.49	6	0.61	11	0.04	16	-0.04
2	0.56	7	0.64	12	0.11	17	-0.01
3	0.59	8	0.61	13	0.01	18	0.00
4	0.53	9	0.58	14	-0.01	19	0.11
5	0.51	10	0.55	15	-0.02	20	0.19

4/13/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.17	41	-1.90	61	-1.75
2	2.26	22	0.05	42	-1.56	62	-1.60
3	2.16	23	-0.03	43	-1.23	63	-1.64
4	2.06	24	-0.13	44	-1.27	64	-2.27
5	1.96	25	-0.21	45	-1.42	65	-2.27
6	1.85	26	-0.30	46	-1.48	66	-2.32
7	1.73	27	-0.38	47	-1.51	67	-1.93
8	1.61	28	-0.45	48	-2.40	68	-2.00
9	1.50	29	-0.51	49	-2.50	69	-2.19
10	1.38	30	-0.57	50	-1.72	70	-2.40
11	1.26	31	-1.00	51	-1.80	71	-2.88
12	1.14	32	-0.70	52	-1.79	72	-3.82
13	1.03	33	-0.76	53	-1.80	73	-3.62
14	0.92	34	-0.80	54	-1.93	74	-3.45
15	0.81	35	-0.82	55	-2.21	75	-3.20
16	0.60	36	-0.97	56	-2.90	76	-3.34
17	0.60	37	-1.00	57	-2.84	77	-3.77
18	0.49	38	-1.03	58	-2.00	78	-3.92
19	0.35	39	-1.13	59	-1.72	79	-3.70
20	0.28	40	-1.12	60	-1.57	80	-4.10

1	0.23	6	0.15	11	0.10	16	0.16
2	0.26	7	0.14	12	0.15	17	0.23
3	0.26	8	0.09	13	0.17	18	0.22
4	0.70	9	0.07	14	0.17	19	0.26
5	0.14	10	0.05	15	0.17	20	0.35

4/20/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.01	41	-1.67	61	-1.67
2	2.32	22	0.16	42	-0.90	62	-1.75
3	2.22	23	0.05	43	-0.79	63	-2.06
4	2.12	24	-0.09	44	-0.79	64	-2.90
5	2.01	25	-0.14	45	-0.88	65	-2.65
6	1.90	26	-0.26	46	-1.07	66	-2.40
7	1.79	27	-0.32	47	-1.23	67	-2.43
8	1.65	28	-0.43	48	-1.85	68	-2.53
9	1.53	29	-0.52	49	-1.20	69	-2.66
10	1.41	30	-0.81	50	-1.12	70	-3.00
11	1.31	31	-1.07	51	-1.10	71	-4.08
12	1.17	32	-0.87	52	-1.03	72	-4.26
13	1.07	33	-0.70	53	-1.16	73	-4.20
14	0.95	34	-0.66	54	-1.21	74	-3.59
15	0.84	35	-0.71	55	-1.54	75	-3.50
16	0.70	36	-0.70	56	-2.07	76	-3.51
17	0.60	37	-0.70	57	-1.89	77	-3.70
18	0.49	38	-0.81	58	-1.73	78	-4.24
19	0.38	39	-0.91	59	-1.69	79	-4.71
20	0.29	40	-1.18	60	-1.78	80	-4.80

1	0.47	6	0.28	11	0.19	16	0.31
2	0.38	7	0.27	12	0.22	17	0.24
3	0.36	8	0.19	13	0.27	18	0.19
4	0.39	9	0.08	14	0.30	19	0.19
5	0.29	10	0.07	15	0.34	20	0.18

				4/27/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.17	41	-1.25	61	-1.75
2	2.35	22	0.12	42	-1.33	62	-1.90
3	2.22	23	0.03	43	-1.35	63	-2.37
4	2.12	24	0.02	44	-1.37	64	-2.79
5	2.01	25	-0.05	45	-1.70	65	-2.26
6	1.90	26	-0.07	46	-1.45	66	-2.37
7	1.78	27	-0.15	47	-1.45	67	-2.40
8	1.64	28	-0.25	48	-2.25	68	-2.61
9	1.53	29	-0.32	49	-2.21	69	-2.95
10	1.43	30	-0.45	50	-2.00	70	-3.49
11	1.33	31	-0.43	51	-1.71	71	-3.72
12	1.23	32	-0.45	52	-1.65	72	-4.07
13	1.13	33	-0.70	53	-1.62	73	-3.57
14	1.08	34	-0.75	54	-1.54	74	-3.40
15	0.97	35	-0.83	55	-2.00	75	-3.60
16	1.00	36	-0.85	56	-2.19	76	-3.83
17	0.80	37	-0.99	57	-1.72	77	-4.42
18	0.77	38	-1.01	58	-1.71	78	-4.42
19	0.51	39	-1.00	59	-1.68	79	-4.49
20	0.33	40	-1.07	60	-1.73	80	-4.65

1	0.71	6	-0.38	11	0.24	16	0.51
2	0.64	7	-0.46	12	0.28	17	0.43
3	0.42	8	-0.56	13	0.34	18	0.38
4	0.09	9	-0.68	14	0.44	19	0.33
5	-0.27	10	-0.50	15	0.48	20	0.24

				5/ 4/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.25	41	-1.25	61	-2.10
2	2.33	22	0.18	42	-0.75	62	-2.41
3	2.20	23	0.03	43	-0.70	63	-3.25
4	2.11	24	-0.08	44	-0.70	64	-3.51
5	2.00	25	-0.20	45	-0.75	65	-3.29
6	1.89	26	-0.40	46	-0.80	66	-2.84
7	1.78	27	-0.60	47	-0.80	67	-2.89
8	1.63	28	-0.70	48	-1.50	68	-2.95
9	1.52	29	-0.95	49	-1.40	69	-3.45
10	1.42	30	-0.98	50	-1.09	70	-3.91
11	1.31	31	-1.05	51	-1.15	71	-4.13
12	1.22	32	-1.16	52	-1.21	72	-4.32
13	1.14	33	-1.12	53	-1.30	73	-4.22
14	1.07	34	-1.25	54	-1.30	74	-3.62
15	1.03	35	-1.25	55	-1.40	75	-3.62
16	1.14	36	-0.95	56	-2.05	76	-3.85
17	0.92	37	-0.70	57	-2.05	77	-4.05
18	0.78	38	-0.65	58	-1.75	78	-4.39
19	0.55	39	-0.60	59	-1.75	79	-4.59
20	0.35	40	-0.65	60	-1.85	80	-4.63

1	0.20	6	-0.21	11	0.20	16	0.61
2	0.03	7	-0.16	12	0.25	17	0.65
3	-0.13	8	-0.04	13	0.43	18	0.62
4	-0.16	9	0.0	14	0.53	19	0.57
5	-0.27	10	0.03	15	0.56	20	0.53

				5/11/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.43	41	-1.50	61	-1.79
2	2.35	22	0.25	42	-1.05	62	-1.90
3	2.22	23	0.18	43	-1.07	63	-2.25
4	2.19	24	-0.05	44	-1.20	64	-2.97
5	2.01	25	-0.22	45	-1.25	65	-2.91
6	1.91	26	-0.25	46	-1.36	66	-2.53
7	1.79	27	-0.45	47	-2.45	67	-2.31
8	1.65	28	-0.50	48	-2.25	68	-3.00
9	1.52	29	-0.55	49	-2.28	69	-3.30
10	1.41	30	-0.67	50	-1.60	70	-3.58
11	1.30	31	-1.00	51	-1.41	71	-3.80
12	1.22	32	-0.77	52	-1.39	72	-4.24
13	1.17	33	-1.15	53	-1.25	73	-3.90
14	1.14	34	-0.75	54	-1.29	74	-3.81
15	1.15	35	-0.79	55	-1.28	75	-3.91
16	1.05	36	-0.80	56	-1.56	76	-4.00
17	1.02	37	-0.85	57	-1.60	77	-4.12
18	0.85	38	-0.95	58	-1.50	78	-4.37
19	0.58	39	-0.90	59	-1.70	79	-4.50
20	0.54	40	-1.05	60	-1.73	80	-4.55

1	0.62	6	0.19	11	0.43	16	0.60
2	0.45	7	0.21	12	0.54	17	0.64
3	0.29	8	0.25	13	0.49	18	0.72
4	0.22	9	0.20	14	0.59	19	0.67
5	0.20	10	0.18	15	0.59	20	0.65

				5/18/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	0.50	41	-2.18	61	-1.54
2	2.31	22	0.39	42	-1.40	62	-1.81
3	2.20	23	0.33	43	-1.55	63	-2.31
4	2.07	24	0.25	44	-1.53	64	-2.48
5	1.98	25	0.09	45	-1.55	65	-2.45
6	1.87	26	-0.07	46	-1.92	66	-2.03
7	1.73	27	-0.25	47	-2.03	67	-2.20
8	1.63	28	-0.27	48	-2.65	68	-2.40
9	1.51	29	-0.33	49	-2.40	69	-2.60
10	1.43	30	-0.42	50	-1.52	70	-2.92
11	1.31	31	-0.85	51	-1.00	71	-3.60
12	1.22	32	-0.57	52	-0.98	72	-4.08
13	1.18	33	-0.60	53	-0.95	73	-3.50
14	1.17	34	-0.87	54	-0.93	74	-3.26
15	1.20	35	-0.68	55	-1.01	75	-3.49
16	1.20	36	-0.75	56	-1.44	76	-3.82
17	1.10	37	-0.89	57	-1.45	77	-3.85
18	0.95	38	-1.03	58	-1.21	78	-4.00
19	0.82	39	-1.32	59	-1.21	79	-4.05
20	0.68	40	-1.63	60	-1.42	80	-4.20

1	0.83	6	0.52	11	0.72	16	1.01
2	0.82	7	0.46	12	0.76	17	0.88
3	0.76	8	0.47	13	0.74	18	0.86
4	0.63	9	0.40	14	0.74	19	0.83
5	0.60	10	0.42	15	0.96	20	0.91

5/25/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.71	41	-1.04	61	-1.62
2	2.33	22	0.41	42	-0.95	62	-1.73
3	2.22	23	0.33	43	-0.97	63	-1.90
4	2.11	24	0.27	44	-0.99	64	-2.26
5	2.00	25	0.13	45	-1.02	65	-2.40
6	1.89	26	0.05	46	-1.05	66	-2.03
7	1.76	27	-0.15	47	-1.15	67	-2.19
8	1.64	28	-0.23	48	-1.35	68	-2.40
9	1.49	29	-0.37	49	-1.45	69	-2.59
10	1.41	30	-0.45	50	-1.14	70	-2.77
11	1.31	31	-0.60	51	-1.20	71	-3.05
12	1.23	32	-0.75	52	-1.19	72	-3.66
13	1.21	33	-0.97	53	-1.13	73	-3.30
14	1.21	34	-1.29	54	-1.17	74	-3.10
15	1.23	35	-1.37	55	-1.27	75	-3.30
16	1.35	36	-1.35	56	-1.68	76	-3.46
17	1.30	37	-1.56	57	-1.63	77	-3.52
18	1.17	38	-1.05	58	-1.45	78	-3.51
19	1.03	39	-0.93	59	-1.58	79	-3.72
20	0.86	40	-0.90	60	-1.68	80	-4.00

1	0.95	6	0.75	11	0.60	16	0.72
2	0.91	7	0.67	12	0.59	17	0.67
3	0.96	8	0.62	13	0.56	18	0.69
4	0.90	9	0.56	14	0.57	19	0.84
5	0.76	10	0.52	15	1.02	20	1.01

6/ 1/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.73	41	-1.99	61	-1.61
2	2.32	22	0.58	42	-1.08	62	-1.72
3	2.21	23	0.39	43	-1.09	63	-2.05
4	2.09	24	0.23	44	-0.92	64	-2.14
5	1.98	25	0.09	45	-0.96	65	-1.89
6	1.89	26	-0.12	46	-0.96	66	-1.86
7	1.83	27	-0.29	47	-1.02	67	-2.11
8	1.64	28	-0.42	48	-1.39	68	-2.17
9	1.51	29	-0.59	49	-1.22	69	-2.41
10	1.42	30	-0.69	50	-1.32	70	-2.80
11	1.32	31	-0.99	51	-1.33	71	-3.22
12	1.23	32	-1.05	52	-1.34	72	-3.45
13	1.20	33	-1.29	53	-1.39	73	-3.24
14	1.24	34	-1.24	54	-1.69	74	-3.15
15	1.24	35	-1.04	55	-1.99	75	-3.24
16	1.30	36	-1.04	56	-2.09	76	-3.28
17	1.29	37	-1.06	57	-1.82	77	-3.41
18	1.16	38	-1.04	58	-1.47	78	-3.71
19	1.03	39	-1.09	59	-1.39	79	-3.76
20	0.91	40	-1.19	60	-1.44	80	-4.54

1	1.01	6	0.60	11	0.92	16	0.87
2	0.94	7	0.45	12	0.84	17	0.83
3	0.86	8	0.39	13	0.82	18	0.81
4	0.74	9	0.35	14	0.84	19	0.89
5	0.63	10	0.26	15	0.93	20	1.02

6/ 8/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.40	41	-1.55	61	-1.41
2	2.33	22	0.25	42	-1.44	62	-1.48
3	2.21	23	0.22	43	-1.15	63	-1.53
4	2.11	24	0.10	44	-1.12	64	-2.10
5	1.99	25	-0.03	45	-1.06	65	-1.90
6	1.90	26	-0.25	46	-1.04	66	-1.93
7	1.77	27	-0.46	47	-1.00	67	-2.18
8	1.65	28	-0.55	48	-1.18	68	-2.35
9	1.52	29	-0.79	49	-1.50	69	-2.98
10	1.44	30	-1.05	50	-1.30	70	-3.10
11	1.38	31	-1.16	51	-0.90	71	-3.39
12	1.36	32	-1.04	52	-0.87	72	-3.62
13	1.36	33	-1.25	53	-0.90	73	-3.23
14	1.38	34	-1.30	54	-0.93	74	-3.19
15	1.41	35	-1.25	55	-1.00	75	-3.25
16	1.30	36	-0.95	56	-1.19	76	-3.41
17	1.23	37	-0.95	57	-1.19	77	-3.58
18	1.02	38	-0.97	58	-1.40	78	-3.65
19	0.80	39	-0.93	59	-1.50	79	-3.78
20	0.61	40	-1.17	60	-1.40	80	-3.82

1	0.21	6	0.38	11	0.44	16	0.73
2	0.17	7	0.34	12	0.45	17	0.87
3	0.27	8	0.31	13	0.56	18	1.12
4	0.32	9	0.30	14	0.76	19	1.13
5	0.36	10	0.29	15	0.77	20	1.08

6/15/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.32	41	-1.60	61	-1.73
2	2.35	22	0.13	42	-1.50	62	-1.95
3	2.34	23	-0.02	43	-1.06	63	-2.21
4	2.12	24	-0.13	44	-0.82	64	-2.62
5	2.01	25	-0.25	45	-0.77	65	-2.31
6	1.92	26	-0.37	46	-0.75	66	-2.30
7	1.80	27	-0.64	47	-0.75	67	-2.40
8	1.66	28	-0.73	48	-1.05	68	-2.67
9	1.53	29	-0.85	49	-0.61	69	-2.87
10	1.45	30	-1.01	50	-0.60	70	-3.05
11	1.39	31	-1.07	51	-0.70	71	-3.19
12	1.36	32	-0.95	52	-0.76	72	-3.41
13	1.39	33	-0.96	53	-0.77	73	-3.21
14	1.40	34	-0.95	54	-0.88	74	-3.19
15	1.40	35	-0.90	55	-1.12	75	-3.27
16	1.37	36	-0.88	56	-1.42	76	-3.32
17	1.23	37	-0.95	57	-1.41	77	-3.41
18	1.11	38	-1.01	58	-1.37	78	-3.50
19	0.77	39	-1.06	59	-1.45	79	-3.52
20	0.62	40	-1.25	60	-1.58	80	-3.69

1	0.16	6	0.43	11	0.43	16	0.93
2	0.22	7	0.33	12	0.56	17	0.98
3	0.33	8	0.36	13	0.73	18	1.12
4	0.36	9	0.33	14	1.08	19	1.17
5	0.41	10	0.22	15	1.03	20	1.15

6/22/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.65	41	-0.88	61	-1.71
2	2.29	22	0.50	42	-0.49	62	-1.94
3	2.16	23	0.25	43	-0.50	63	-2.38
4	2.06	24	0.21	44	-0.55	64	-2.67
5	1.96	25	0.04	45	-0.61	65	-2.42
6	1.83	26	-0.19	46	-0.69	66	-2.45
7	1.66	27	-0.56	47	-0.72	67	-2.57
8	1.50	28	-0.69	48	-1.08	68	-2.72
9	1.53	29	-0.88	49	-0.84	69	-2.84
10	1.43	30	-1.00	50	-0.93	70	-3.00
11	1.36	31	-1.43	51	-1.04	71	-3.12
12	1.35	32	-0.64	52	-1.09	72	-3.50
13	1.38	33	-0.68	53	-1.17	73	-3.26
14	1.39	34	-0.70	54	-1.24	74	-3.21
15	1.37	35	-0.59	55	-1.48	75	-3.25
16	1.17	36	-0.51	56	-1.79	76	-3.29
17	1.17	37	-0.48	57	-1.70	77	-3.33
18	1.13	38	-0.44	58	-1.52	78	-3.39
19	0.93	39	-0.42	59	-1.55	79	-3.50
20	0.79	40	-0.48	60	-1.59	80	-3.73

1	0.49	6	0.63	11	0.61	16	0.73
2	0.47	7	0.67	12	0.67	17	0.98
3	0.48	8	0.51	13	0.71	18	0.95
4	0.49	9	0.65	14	0.71	19	0.92
5	0.54	10	0.73	15	0.72	20	0.90

6/29/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	0.89	41	-0.92	61	-2.09
2	2.35	22	0.69	42	-0.39	62	-2.30
3	2.24	23	0.40	43	-0.39	63	-2.54
4	2.11	24	0.12	44	-0.43	64	-2.78
5	2.00	25	0.0	45	-0.44	65	-2.46
6	1.89	26	-0.34	46	-0.51	66	-2.60
7	1.79	27	-0.64	47	-0.50	67	-2.68
8	1.56	28	-0.60	48	-0.82	68	-2.95
9	1.58	29	-0.78	49	-1.00	69	-3.00
10	1.43	30	-0.93	50	-0.85	70	-3.03
11	1.35	31	-1.00	51	-1.00	71	-3.10
12	1.34	32	-0.26	52	-0.91	72	-3.60
13	1.37	33	-0.25	53	-0.95	73	-3.26
14	1.37	34	-0.30	54	-1.13	74	-3.11
15	1.35	35	-0.47	55	-1.42	75	-3.31
16	1.22	36	-0.30	56	-1.78	76	-3.33
17	1.20	37	-0.32	57	-1.69	77	-3.32
18	1.19	38	-0.40	58	-1.65	78	-3.41
19	1.17	39	-0.47	59	-1.94	79	-3.40
20	1.14	40	-0.60	60	-2.02	80	-3.78

1	0.89	6	1.11	11	0.83	16	0.86
2	0.98	7	0.99	12	0.69	17	0.77
3	0.91	8	0.92	13	0.59	18	0.89
4	0.97	9	0.89	14	0.72	19	0.98
5	1.06	10	1.15	15	0.82	20	0.99

7/ 6/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.86	41	-0.65	61	-2.02
2	2.34	22	0.76	42	-0.42	62	-2.32
3	2.20	23	0.62	43	-0.50	63	-2.48
4	2.11	24	0.49	44	-0.55	64	-3.12
5	2.00	25	0.36	45	-0.65	65	-2.80
6	1.89	26	0.25	46	-0.70	66	-2.50
7	1.75	27	0.15	47	-0.78	67	-2.70
8	1.59	28	0.08	48	-1.21	68	-2.91
9	1.44	29	0.0	49	-1.13	69	-3.00
10	1.44	30	-0.05	50	-1.15	70	-3.05
11	1.37	31	-0.20	51	-1.15	71	-3.26
12	1.35	32	-0.12	52	-1.35	72	-3.90
13	1.38	33	-0.14	53	-1.30	73	-3.62
14	1.40	34	-0.17	54	-1.41	74	-3.03
15	1.35	35	-0.18	55	-1.43	75	-3.10
16	1.25	36	-0.20	56	-1.82	76	-3.20
17	1.10	37	-0.29	57	-2.04	77	-3.25
18	1.09	38	-0.26	58	-1.71	78	-3.30
19	1.06	39	-0.30	59	-1.72	79	-3.50
20	1.00	40	-0.31	60	-2.18	80	-4.05

1	1.02	6	1.35	11	0.96	16	0.79
2	1.19	7	1.32	12	0.99	17	0.99
3	1.26	8	1.26	13	0.96	18	1.06
4	1.23	9	1.22	14	0.95	19	1.15
5	1.26	10	1.10	15	0.91	20	1.24

7/13/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.98	41	-1.30	61	-2.13
2	2.55	22	0.97	42	-0.73	62	-2.49
3	2.43	23	0.90	43	-0.70	63	-2.78
4	2.29	24	0.80	44	-0.69	64	-2.99
5	2.08	25	0.65	45	-0.72	65	-2.63
6	1.94	26	0.50	46	-0.80	66	-2.60
7	1.80	27	0.38	47	-0.83	67	-2.71
8	1.55	28	0.08	48	-1.50	68	-2.90
9	1.50	29	-0.13	49	-1.23	69	-3.10
10	1.41	30	-0.45	50	-0.79	70	-3.19
11	1.35	31	-0.63	51	-0.84	71	-3.30
12	1.34	32	-0.41	52	-0.89	72	-3.60
13	1.35	33	-0.42	53	-0.99	73	-3.20
14	1.36	34	-0.43	54	-1.00	74	-3.06
15	1.30	35	-0.43	55	-1.19	75	-3.15
16	1.25	36	-0.48	56	-1.90	76	-3.23
17	1.22	37	-0.50	57	-1.81	77	-3.30
18	1.17	38	-0.53	58	-1.60	78	-3.41
19	1.10	39	-0.59	59	-1.72	79	-3.50
20	1.01	40	-0.99	60	-1.90	80	-3.68

1	0.88	6	0.93	11	0.86	16	0.74
2	0.95	7	0.87	12	0.89	17	0.75
3	0.99	8	0.82	13	0.94	18	0.90
4	1.00	9	0.76	14	1.01	19	0.88
5	0.86	10	0.79	15	0.88	20	0.91

7/20/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.09	21	0.82	41	-1.60	61	-1.49
2	2.05	22	0.69	42	-1.00	62	-1.51
3	2.05	23	0.52	43	-0.98	63	-1.63
4	1.97	24	0.40	44	-0.99	64	-2.08
5	1.92	25	0.31	45	-1.02	65	-1.95
6	1.89	26	0.21	46	-1.11	66	-1.97
7	1.74	27	0.22	47	-1.21	67	-2.16
8	1.65	28	0.10	48	-1.85	68	-2.31
9	1.52	29	0.05	49	-1.50	69	-2.59
10	1.43	30	-0.01	50	-0.99	70	-2.83
11	1.37	31	-0.20	51	-1.00	71	-3.15
12	1.35	32	-0.16	52	-1.00	72	-3.64
13	1.36	33	-0.25	53	-1.03	73	-3.20
14	1.37	34	-0.31	54	-1.10	74	-2.92
15	1.35	35	-0.40	55	-1.20	75	-3.11
16	1.33	36	-0.46	56	-1.74	76	-3.13
17	1.35	37	-0.51	57	-1.67	77	-3.20
18	1.31	38	-0.58	58	-1.54	78	-3.45
19	1.21	39	-0.74	59	-1.55	79	-3.55
20	1.05	40	-0.83	60	-1.51	80	-4.01
1	0.76	6	0.88	11	0.72	16	0.64
2	0.73	7	0.72	12	0.66	17	0.65
3	0.74	8	0.71	13	0.70	18	0.72
4	0.76	9	0.79	14	0.76	19	0.71
5	0.72	10	0.74	15	0.69	20	0.70

7/27/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.12	21	1.06	41	-1.62	61	-1.73
2	2.07	22	0.97	42	-0.95	62	-1.98
3	2.05	23	0.87	43	-0.93	63	-2.21
4	2.02	24	0.54	44	-1.00	64	-2.50
5	1.90	25	0.37	45	-1.18	65	-2.02
6	1.82	26	0.24	46	-1.25	66	-1.97
7	1.68	27	0.10	47	-1.45	67	-2.24
8	1.55	28	-0.09	48	-1.92	68	-2.57
9	1.48	29	-0.12	49	-2.11	69	-2.79
10	1.38	30	-0.14	50	-1.67	70	-3.00
11	1.35	31	-0.40	51	-0.67	71	-3.31
12	1.35	32	-0.19	52	-0.75	72	-3.52
13	1.34	33	-0.19	53	-0.79	73	-3.00
14	1.31	34	-0.20	54	-0.82	74	-2.90
15	1.31	35	-0.24	55	-1.00	75	-3.07
16	1.32	36	-0.38	56	-1.50	76	-3.20
17	1.35	37	-0.46	57	-1.48	77	-3.31
18	1.30	38	-0.75	58	-1.28	78	-3.42
19	1.27	39	-0.99	59	-1.40	79	-3.60
20	1.10	40	-1.20	60	-1.68	80	-4.00
1	0.95	6	0.96	11	0.92	16	0.91
2	0.93	7	0.96	12	0.84	17	1.04
3	0.99	8	1.10	13	1.01	18	0.93
4	1.07	9	1.11	14	0.95	19	0.86
5	1.05	10	1.10	15	0.98	20	0.77

8/ 3/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.36	41	-1.92	61	-1.61
2	2.34	22	0.30	42	-1.28	62	-1.62
3	2.17	23	0.18	43	-1.22	63	-1.80
4	2.09	24	0.11	44	-1.42	64	-2.58
5	2.01	25	0.02	45	-1.43	65	-2.29
6	1.94	26	-0.08	46	-1.58	66	-1.95
7	1.83	27	-0.16	47	-1.59	67	-2.02
8	1.68	28	-0.18	48	-2.64	68	-2.09
9	1.58	29	-0.24	49	-2.11	69	-2.33
10	1.45	30	-0.32	50	-1.69	70	-2.67
11	1.34	31	-0.74	51	-1.70	71	-3.20
12	1.24	32	-0.43	52	-1.75	72	-3.67
13	1.15	33	-0.60	53	-1.81	73	-3.23
14	1.07	34	-0.54	54	-1.90	74	-2.91
15	0.97	35	-0.73	55	-2.03	75	-3.06
16	0.86	36	-0.82	56	-2.68	76	-3.21
17	0.76	37	-0.82	57	-2.60	77	-3.42
18	0.62	38	-0.85	58	-1.81	78	-4.00
19	0.52	39	-0.82	59	-1.64	79	-4.15
20	0.42	40	-1.11	60	-1.65	80	-4.35
1	0.46	6	0.49	11	0.25	16	0.29
2	0.48	7	0.49	12	0.29	17	0.29
3	0.50	8	0.39	13	0.30	18	0.30
4	0.50	9	0.46	14	0.31	19	0.31
5	0.48	10	0.42	15	0.34	20	0.32

8/10/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	0.42	41	-1.43	61	-1.74
2	2.19	22	0.15	42	-1.15	62	-1.80
3	2.13	23	0.06	43	-1.18	63	-2.01
4	2.05	24	0.01	44	-1.50	64	-2.28
5	1.98	25	-0.09	45	-1.51	65	-1.78
6	1.94	26	-0.18	46	-1.73	66	-1.92
7	1.84	27	-0.21	47	-1.90	67	-2.17
8	1.71	28	-0.25	48	-2.25	68	-2.35
9	1.59	29	-0.29	49	-1.96	69	-2.55
10	1.46	30	-0.35	50	-1.98	70	-2.83
11	1.35	31	-0.78	51	-1.79	71	-3.10
12	1.25	32	-0.85	52	-1.71	72	-3.33
13	1.17	33	-0.78	53	-1.67	73	-3.98
14	1.10	34	-0.98	54	-1.70	74	-3.99
15	1.03	35	-0.89	55	-1.68	75	-3.11
16	1.02	36	-0.78	56	-1.82	76	-3.34
17	1.11	37	-0.80	57	-1.45	77	-3.50
18	1.11	38	-0.81	58	-1.42	78	-3.70
19	0.90	39	-0.78	59	-1.52	79	-3.90
20	0.67	40	-0.82	60	-1.74	80	-3.90
1	0.50	6	0.49	11	0.22	16	0.39
2	0.52	7	0.45	12	0.24	17	0.40
3	0.48	8	0.44	13	0.30	18	0.33
4	0.45	9	0.48	14	0.35	19	0.30
5	0.46	10	0.50	15	0.37	20	0.27

8/17/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.87	41	-1.98	61	-1.92
2	2.36	22	0.72	42	-1.62	62	-2.02
3	2.28	23	0.50	43	-1.58	63	-2.20
4	2.18	24	0.47	44	-1.45	64	-2.40
5	2.01	25	0.35	45	-1.40	65	-2.46
6	1.95	26	0.27	46	-1.43	66	-2.52
7	1.89	27	0.02	47	-1.64	67	-2.41
8	1.75	28	0.0	48	-1.70	68	-2.51
9	1.63	29	-0.15	49	-1.30	69	-2.72
10	1.37	30	-0.25	50	-1.32	70	-2.91
11	1.35	31	-0.70	51	-1.38	71	-3.00
12	1.26	32	-0.65	52	-1.38	72	-3.32
13	1.18	33	-0.75	53	-1.39	73	-2.95
14	1.11	34	-0.89	54	-1.40	74	-2.93
15	1.04	35	-1.10	55	-1.60	75	-3.17
16	1.01	36	-1.10	56	-1.79	76	-3.53
17	1.00	37	-1.30	57	-1.68	77	-3.55
18	1.03	38	-1.21	58	-1.45	78	-3.67
19	1.00	39	-1.42	59	-1.50	79	-3.78
20	0.90	40	-1.48	60	-1.55	80	-3.87

1	0.65	6	0.66	11	0.66	16	0.69
2	0.65	7	0.62	12	0.74	17	0.63
3	0.69	8	0.58	13	0.73	18	0.69
4	0.78	9	0.64	14	0.69	19	0.57
5	0.67	10	0.57	15	0.75	20	0.56

8/24/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.57	41	-1.20	61	-2.05
2	2.36	22	0.35	42	-0.76	62	-2.18
3	2.28	23	0.09	43	-0.79	63	-2.29
4	2.25	24	0.0	44	-0.89	64	-2.60
5	1.99	25	-0.20	45	-1.01	65	-2.09
6	1.93	26	-0.40	46	-1.19	66	-2.30
7	1.79	27	-0.79	47	-1.22	67	-2.60
8	1.67	28	-0.79	48	-1.49	68	-2.71
9	1.55	29	-1.00	49	-0.95	69	-2.90
10	1.42	30	-1.02	50	-1.00	70	-2.95
11	1.32	31	-1.77	51	-1.08	71	-3.12
12	1.22	32	-1.26	52	-1.17	72	-3.45
13	1.17	33	-1.22	53	-1.28	73	-2.92
14	1.16	34	-1.33	54	-1.44	74	-2.95
15	1.20	35	-1.39	55	-1.55	75	-3.17
16	1.37	36	-1.48	56	-1.96	76	-3.39
17	1.36	37	-1.49	57	-1.58	77	-3.52
18	1.28	38	-1.48	58	-1.62	78	-3.60
19	1.15	39	-1.25	59	-1.78	79	-3.80
20	0.98	40	-1.20	60	-1.93	80	-3.90

1	0.45	6	0.28	11	0.50	16	0.94
2	0.41	7	0.34	12	0.69	17	1.04
3	0.40	8	0.41	13	0.71	18	1.14
4	0.34	9	0.47	14	0.84	19	1.18
5	0.29	10	0.52	15	0.93	20	1.21

8/31/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.45	41	-1.15	61	-2.24
2	2.36	22	0.24	42	-0.73	62	-2.42
3	2.28	23	0.02	43	-0.78	63	-2.68
4	2.25	24	-0.15	44	-0.83	64	-2.75
5	1.99	25	-0.38	45	-0.84	65	-2.40
6	1.91	26	-0.50	46	-0.88	66	-2.54
7	1.79	27	-0.38	47	-1.07	67	-2.56
8	1.69	28	-0.35	48	-1.35	68	-2.73
9	1.57	29	-0.38	49	-1.18	69	-3.02
10	1.45	30	-0.42	50	-1.18	70	-3.24
11	1.33	31	-1.00	51	-1.25	71	-3.32
12	1.25	32	-0.44	52	-1.48	72	-3.59
13	1.19	33	-0.50	53	-1.48	73	-3.10
14	1.17	34	-0.48	54	-1.67	74	-2.94
15	1.20	35	-0.54	55	-1.78	75	-3.22
16	1.36	36	-0.55	56	-2.05	76	-3.33
17	1.32	37	-0.58	57	-1.98	77	-3.52
18	1.29	38	-0.65	58	-1.85	78	-3.58
19	1.20	39	-0.60	59	-2.02	79	-3.87
20	0.82	40	-0.67	60	-2.13	80	-4.00

1	0.57	6	0.73	11	0.18	16	0.34
2	0.68	7	0.59	12	0.35	17	0.36
3	0.71	8	0.52	13	0.32	18	0.50
4	0.72	9	0.55	14	0.38	19	0.58
5	0.69	10	0.53	15	0.37	20	0.55

9/ 7/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.48	21	0.30	41	-1.42	61	-2.55
2	2.36	22	0.13	42	-1.24	62	-2.51
3	2.28	23	0.05	43	-1.10	63	-2.34
4	2.18	24	-0.06	44	-1.04	64	-2.69
5	1.99	25	-0.16	45	-1.10	65	-2.38
6	1.92	26	-0.22	46	-1.27	66	-1.90
7	1.81	27	-0.30	47	-1.27	67	-1.80
8	1.71	28	-0.36	48	-2.21	68	-1.90
9	1.63	29	-0.44	49	-2.16	69	-2.02
10	1.59	30	-0.70	50	-2.40	70	-2.29
11	1.56	31	-1.07	51	-2.41	71	-2.66
12	1.54	32	-1.04	52	-2.33	72	-3.14
13	1.47	33	-1.08	53	-2.42	73	-3.23
14	1.36	34	-1.00	54	-2.45	74	-2.81
15	1.22	35	-0.95	55	-2.43	75	-3.00
16	1.02	36	-0.70	56	-2.51	76	-3.23
17	0.89	37	-0.71	57	-2.60	77	-3.47
18	0.70	38	-0.74	58	-2.55	78	-3.73
19	0.44	39	-0.89	59	-2.14	79	-3.79
20	0.41	40	-0.88	60	-2.38	80	-4.05

1	0.48	6	0.74	11	0.20	16	0.12
2	0.54	7	0.72	12	0.14	17	0.17
3	0.62	8	0.73	13	0.13	18	0.13
4	0.68	9	0.75	14	0.12	19	0.12
5	0.72	10	0.72	15	0.12	20	0.04

9/14/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.0	41	-2.20	61	-2.40
2	2.19	22	0.20	42	-1.56	62	-2.43
3	2.57	23	0.10	43	-1.36	63	-2.55
4	2.56	24	0.0	44	-1.32	64	-3.00
5	2.06	25	-0.10	45	-1.37	65	-2.82
6	1.93	26	-0.20	46	-1.50	66	-2.70
7	1.84	27	-0.26	47	-1.69	67	-2.28
8	1.72	28	-0.35	48	-2.47	68	-2.01
9	1.64	29	-0.53	49	-2.45	69	-1.90
10	1.61	30	-0.62	50	-2.39	70	-1.96
11	1.57	31	-1.34	51	-2.11	71	-2.30
12	1.56	32	-0.83	52	-2.41	72	-2.82
13	1.52	33	-0.78	53	-2.30	73	-2.75
14	1.37	34	-0.79	54	-2.40	74	-2.41
15	1.16	35	-0.89	55	-2.21	75	-2.58
16	0.91	36	-0.90	56	-2.95	76	-2.68
17	0.80	37	-1.05	57	-2.80	77	-2.89
18	0.70	38	-1.00	58	-2.61	78	-3.10
19	0.56	39	-1.00	59	-2.40	79	-3.50
20	0.41	40	-1.40	60	-2.30	80	-4.11

1	0.25	6	0.55	11	0.02	16	0.16
2	0.30	7	0.53	12	-0.02	17	0.15
3	0.32	8	0.44	13	0.0	18	0.21
4	0.40	9	0.54	14	0.0	19	0.26
5	0.45	10	0.46	15	0.09	20	0.19

9/21/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.23	41	-1.70	61	-2.25
2	2.17	22	0.16	42	-1.40	62	-2.35
3	2.55	23	0.06	43	-1.13	63	-2.40
4	2.48	24	-0.01	44	-1.13	64	-2.78
5	2.12	25	-0.10	45	-1.50	65	-2.63
6	1.99	26	-0.19	46	-1.12	66	-2.11
7	1.83	27	-0.24	47	-1.51	67	-1.95
8	1.70	28	-0.30	48	-2.19	68	-1.95
9	1.57	29	-0.36	49	-1.75	69	-2.00
10	1.46	30	-0.45	50	-1.24	70	-2.00
11	1.35	31	-0.90	51	-1.25	71	-2.20
12	1.24	32	-0.90	52	-1.50	72	-2.75
13	1.12	33	-0.70	53	-1.60	73	-2.60
14	1.01	34	-0.65	54	-1.90	74	-2.05
15	0.91	35	-0.61	55	-2.35	75	-2.09
16	0.77	36	-0.66	56	-2.95	76	-2.19
17	0.67	37	-0.75	57	-3.18	77	-2.35
18	0.58	38	-0.83	58	-2.43	78	-2.55
19	0.48	39	-0.80	59	-2.30	79	-3.03
20	0.38	40	-0.90	60	-2.25	80	-3.30

1	0.53	6	0.59	11	0.17	16	0.14
2	0.57	7	0.57	12	0.19	17	0.16
3	0.54	8	0.53	13	0.15	18	0.17
4	0.57	9	0.58	14	0.15	19	0.13
5	0.55	10	0.58	15	0.15	20	0.12

9/28/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.39	41	-1.76	61	-1.12
2	2.33	22	0.20	42	-1.25	62	-1.46
3	2.58	23	0.12	43	-1.13	63	-1.75
4	2.43	24	-0.02	44	-1.23	64	-2.13
5	2.12	25	-0.10	45	-1.24	65	-1.90
6	1.99	26	-0.19	46	-1.11	66	-1.80
7	1.82	27	-0.39	47	-1.20	67	-1.92
8	1.69	28	-0.47	48	-2.20	68	-2.26
9	1.56	29	-0.50	49	-1.80	69	-2.51
10	1.46	30	-0.51	50	-1.55	70	-2.58
11	1.34	31	-0.93	51	-1.61	71	-2.80
12	1.24	32	-0.85	52	-1.69	72	-3.00
13	1.14	33	-0.71	53	-1.35	73	-2.77
14	1.15	34	-1.05	54	-1.18	74	-2.64
15	1.00	35	-0.78	55	-1.14	75	-3.00
16	0.92	36	-0.72	56	-2.05	76	-2.94
17	0.87	37	-0.89	57	-1.98	77	-3.25
18	0.82	38	-0.85	58	-1.18	78	-3.39
19	0.75	39	-0.82	59	-1.09	79	-3.39
20	0.62	40	-0.95	60	-1.15	80	-3.70

1	0.29	6	0.46	11	0.31	16	0.34
2	0.36	7	0.41	12	0.40	17	0.36
3	0.38	8	0.37	13	1.39	18	0.49
4	0.30	9	0.42	14	0.56	19	0.35
5	0.43	10	0.42	15	0.43	20	0.33

10/ 5/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.34	41	-1.70	61	-1.60
2	2.21	22	0.29	42	-1.10	62	-1.70
3	2.62	23	0.20	43	-0.91	63	-1.96
4	2.33	24	0.10	44	-0.90	64	-2.51
5	2.08	25	0.01	45	-0.90	65	-2.70
6	1.93	26	-0.10	46	-0.99	66	-2.00
7	1.80	27	-0.15	47	-1.18	67	-1.96
8	1.66	28	-0.21	48	-2.30	68	-1.95
9	1.57	29	-0.38	49	-1.89	69	-1.94
10	1.50	30	-0.38	50	-1.42	70	-1.97
11	1.41	31	-0.90	51	-1.23	71	-2.10
12	1.31	32	-0.62	52	-1.38	72	-2.82
13	1.20	33	-0.54	53	-1.20	73	-2.64
14	1.09	34	-0.56	54	-1.24	74	-2.25
15	0.98	35	-0.65	55	-1.36	75	-2.20
16	0.86	36	-0.69	56	-2.20	76	-2.35
17	0.79	37	-0.71	57	-2.21	77	-2.57
18	0.66	38	-0.75	58	-1.58	78	-2.87
19	0.59	39	-0.80	59	-1.50	79	-3.20
20	0.49	40	-0.95	60	-1.55	80	-3.90

1	0.34	6	0.21	11	0.37	16	0.35
2	0.36	7	0.22	12	0.39	17	0.35
3	0.30	8	0.14	13	0.36	18	0.31
4	0.28	9	0.17	14	0.35	19	0.30
5	0.26	10	0.12	15	0.35	20	0.29

				10/12/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.22	41	-1.95	61	-2.10
2	2.21	22	0.20	42	-1.90	62	-2.08
3	2.61	23	0.09	43	-1.81	63	-2.80
4	2.50	24	0.0	44	-1.70	64	-3.00
5	2.17	25	-0.10	45	-1.80	65	-2.90
6	2.00	26	-0.20	46	-1.52	66	-2.79
7	1.84	27	-0.30	47	-1.70	67	-2.80
8	1.70	28	-0.38	48	-2.50	68	-2.45
9	1.63	29	-0.49	49	-2.12	69	-2.26
10	1.54	30	-0.58	50	-2.17	70	-2.32
11	1.47	31	-1.00	51	-2.00	71	-2.26
12	1.36	32	-1.08	52	-1.67	72	-3.00
13	1.26	33	-0.88	53	-1.65	73	-3.18
14	1.16	34	-0.73	54	-1.52	74	-2.69
15	1.04	35	-0.73	55	-1.82	75	-2.46
16	0.86	36	-0.71	56	-2.87	76	-2.22
17	0.72	37	-0.75	57	-2.90	77	-2.22
18	0.62	38	-0.74	58	-2.47	78	-2.30
19	0.50	39	-0.85	59	-2.55	79	-2.55
20	0.39	40	-1.18	60	-2.17	80	-3.40

1	0.19	6	0.04	11	0.24	16	0.31
2	0.18	7	0.08	12	0.20	17	0.36
3	0.12	8	0.07	13	0.23	18	0.34
4	0.09	9	0.01	14	0.35	19	0.34
5	0.07	10	-0.01	15	0.35	20	0.35

				10/19/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.20	41	-1.39	61	-1.43
2	2.21	22	0.16	42	-1.19	62	-1.50
3	2.63	23	0.10	43	-0.66	63	-1.70
4	2.47	24	0.02	44	-0.70	64	-2.39
5	2.18	25	-0.08	45	-0.79	65	-2.46
6	2.00	26	-0.15	46	-1.02	66	-1.81
7	1.84	27	-0.18	47	-1.13	67	-1.62
8	1.72	28	-0.20	48	-1.40	68	-1.60
9	1.65	29	-0.40	49	-1.45	69	-1.64
10	1.59	30	-0.49	50	-0.73	70	-1.60
11	1.47	31	-1.00	51	-0.62	71	-1.78
12	1.35	32	-1.01	52	-0.76	72	-2.15
13	1.19	33	-0.70	53	-0.95	73	-2.00
14	1.06	34	-0.56	54	-1.20	74	-1.51
15	0.93	35	-0.55	55	-1.58	75	-1.45
16	0.80	36	-0.57	56	-1.78	76	-1.59
17	0.65	37	-0.58	57	-2.00	77	-1.80
18	0.51	38	-0.70	58	-1.36	78	-2.20
19	0.40	39	-0.74	59	-1.40	79	-2.50
20	0.37	40	-0.84	60	-1.44	80	-3.15

1	0.19	6	0.19	11	0.21	16	0.31
2	0.20	7	0.17	12	0.24	17	0.33
3	0.19	8	0.18	13	0.25	18	0.35
4	0.18	9	0.19	14	0.27	19	0.36
5	0.20	10	0.24	15	0.31	20	0.39

				10/26/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.07	41	-1.90	61	-2.50
2	2.20	22	-0.02	42	-1.64	62	-2.71
3	2.63	23	-0.12	43	-1.47	63	-2.64
4	2.49	24	-0.40	44	-1.45	64	-3.30
5	2.18	25	-0.40	45	-1.42	65	-3.26
6	1.99	26	-0.49	46	-1.44	66	-3.15
7	1.85	27	-0.40	47	-1.60	67	-3.10
8	1.77	28	-0.49	48	-2.45	68	-2.98
9	1.66	29	-0.55	49	-2.25	69	-2.37
10	1.50	30	-0.75	50	-2.25	70	-2.58
11	1.36	31	-1.04	51	-2.25	71	-3.05
12	1.24	32	-0.75	52	-2.28	72	-3.27
13	1.12	33	-0.68	53	-2.32	73	-3.22
14	1.02	34	-0.72	54	-2.25	74	-2.28
15	0.95	35	-0.80	55	-2.07	75	-2.05
16	0.88	36	-0.98	56	-2.60	76	-2.06
17	0.72	37	-1.26	57	-2.83	77	-2.17
18	0.55	38	-1.44	58	-2.60	78	-2.50
19	0.40	39	-1.54	59	-2.55	79	-2.70
20	0.20	40	-1.65	60	-2.35	80	-3.15

1	-0.03	6	0.15	11	-0.03	16	0.25
2	0.05	7	0.20	12	0.02	17	0.34
3	0.05	8	0.23	13	0.06	18	0.33
4	0.08	9	0.23	14	0.14	19	0.36
5	0.12	10	0.23	15	0.20	20	0.37

				11/ 2/1978			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	-0.15	41	-2.00	61	-1.20
2	2.21	22	-0.25	42	-1.15	62	-1.25
3	2.63	23	-0.35	43	-0.95	63	-1.45
4	2.46	24	-0.09	44	-1.06	64	-2.20
5	2.18	25	-0.20	45	-1.20	65	-2.16
6	2.00	26	-0.65	46	-1.25	66	-1.75
7	1.85	27	-0.70	47	-1.50	67	-1.67
8	1.75	28	-0.36	48	-2.30	68	-1.65
9	1.63	29	-0.45	49	-1.51	69	-1.67
10	1.54	30	-0.95	50	-1.20	70	-1.81
11	1.44	31	-1.16	51	-1.25	71	-2.16
12	1.31	32	-1.15	52	-1.45	72	-2.75
13	1.10	33	-0.80	53	-1.52	73	-2.80
14	0.98	34	-0.95	54	-1.65	74	-2.24
15	0.84	35	-1.06	55	-1.83	75	-2.15
16	0.65	36	-1.25	56	-2.59	76	-2.33
17	0.60	37	-1.40	57	-2.35	77	-2.49
18	0.50	38	-1.10	58	-1.80	78	-2.63
19	0.35	39	-1.35	59	-1.35	79	-3.21
20	0.25	40	-1.60	60	-1.20	80	-3.52

1	0.11	6	0.12	11	0.10	16	0.43
2	0.04	7	0.14	12	0.22	17	0.46
3	0.04	8	0.16	13	0.20	18	0.52
4	0.04	9	0.15	14	0.34	19	0.54
5	0.07	10	0.14	15	0.38	20	0.58

11/ 9/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.35	41	-2.05	61	-1.46
2	2.21	22	0.30	42	-1.42	62	-1.44
3	2.72	23	0.24	43	-1.02	63	-1.60
4	2.48	24	0.15	44	-0.90	64	-2.34
5	2.16	25	0.06	45	-0.90	65	-2.14
6	2.00	26	-0.01	46	-0.95	66	-1.60
7	1.85	27	-0.09	47	-1.24	67	-1.51
8	1.77	28	-0.15	48	-2.30	68	-1.47
9	1.67	29	-0.25	49	-2.00	69	-1.55
10	1.55	30	-0.39	50	-1.68	70	-1.75
11	1.42	31	-1.03	51	-1.15	71	-2.05
12	1.29	32	-0.60	52	-1.11	72	-2.75
13	1.17	33	-0.50	53	-1.12	73	-2.54
14	1.09	34	-0.52	54	-1.15	74	-2.15
15	0.98	35	-0.55	55	-1.34	75	-2.30
16	0.84	36	-0.60	56	-2.25	76	-2.47
17	0.77	37	-0.70	57	-2.35	77	-2.67
18	0.66	38	-1.00	58	-2.25	78	-3.14
19	0.56	39	-1.29	59	-1.58	79	-3.80
20	0.47	40	-1.30	60	-1.44	80	-4.12

1	0.29	6	0.32	11	0.32	16	0.34
2	0.34	7	0.32	12	0.29	17	0.34
3	0.35	8	0.25	13	0.27	18	0.35
4	0.31	9	0.24	14	0.31	19	0.36
5	0.27	10	0.21	15	0.32	20	0.33

11/16/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	0.35	41	-1.96	61	-1.89
2	2.38	22	0.28	42	-1.86	62	-2.00
3	2.63	23	0.19	43	-1.25	63	-2.65
4	2.39	24	0.09	44	-1.20	64	-3.07
5	2.08	25	0.0	45	-1.20	65	-2.69
6	1.95	26	-0.08	46	-1.27	66	-2.39
7	1.82	27	-0.16	47	-1.61	67	-2.39
8	1.67	28	-0.23	48	-2.10	68	-2.52
9	1.59	29	-0.30	49	-2.09	69	-2.60
10	1.47	30	-0.46	50	-1.56	70	-2.95
11	1.36	31	-1.05	51	-1.45	71	-3.55
12	1.25	32	-0.67	52	-1.40	72	-3.93
13	1.16	33	-0.58	53	-1.60	73	-3.59
14	1.06	34	-0.60	54	-1.76	74	-3.12
15	0.98	35	-0.65	55	-2.20	75	-3.00
16	0.88	36	-0.71	56	-2.60	76	-2.90
17	0.78	37	-0.76	57	-2.56	77	-2.90
18	0.69	38	-0.80	58	-1.87	78	-3.05
19	0.58	39	-0.85	59	-1.80	79	-3.65
20	0.48	40	-1.25	60	-1.81	80	-3.85

1	0.38	6	0.34	11	0.34	16	0.40
2	0.33	7	0.28	12	0.36	17	0.42
3	0.32	8	0.26	13	0.38	18	0.46
4	0.33	9	0.27	14	0.38	19	0.50
5	0.37	10	0.17	15	0.42	20	0.56

11/23/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	0.12	41	-1.95	61	-1.91
2	2.21	22	0.05	42	-1.54	62	-2.26
3	2.45	23	-0.04	43	-1.27	63	-2.73
4	2.23	24	-0.11	44	-1.25	64	-2.98
5	2.08	25	-0.20	45	-1.35	65	-3.24
6	1.96	26	-0.27	46	-1.64	66	-2.59
7	1.85	27	-0.34	47	-1.57	67	-2.67
8	1.70	28	-0.36	48	-2.23	68	-2.71
9	1.60	29	-0.39	49	-2.00	69	-2.90
10	1.50	30	-0.66	50	-1.75	70	-3.09
11	1.37	31	-1.04	51	-1.61	71	-3.26
12	1.24	32	-0.80	52	-1.40	72	-3.55
13	1.12	33	-1.10	53	-1.49	73	-3.02
14	1.03	34	-0.62	54	-1.51	74	-2.80
15	0.94	35	-0.68	55	-1.93	75	-2.68
16	0.87	36	-0.70	56	-2.66	76	-2.70
17	0.78	37	-0.80	57	-2.40	77	-2.87
18	0.67	38	-0.82	58	-1.98	78	-3.07
19	0.50	39	-0.99	59	-1.85	79	-3.14
20	0.33	40	-1.75	60	-1.88	80	-3.40

1	-0.01	6	0.24	11	0.07	16	0.16
2	0.20	7	0.29	12	0.01	17	0.23
3	0.24	8	0.25	13	-0.05	18	0.26
4	0.29	9	0.19	14	0.05	19	0.38
5	0.25	10	0.18	15	0.10	20	0.50

11/30/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.10	41	-1.95	61	-2.18
2	2.22	22	0.11	42	-1.72	62	-2.30
3	2.66	23	0.03	43	-1.24	63	-2.84
4	2.53	24	-0.05	44	-1.45	64	-3.15
5	2.17	25	-0.20	45	-1.20	65	-3.36
6	1.98	26	-0.33	46	-1.33	66	-2.88
7	1.88	27	-0.50	47	-1.66	67	-2.40
8	1.74	28	-0.44	48	-2.20	68	-2.50
9	1.66	29	-0.53	49	-2.21	69	-2.30
10	1.48	30	-0.68	50	-1.54	70	-2.73
11	1.35	31	-1.07	51	-1.80	71	-3.10
12	1.22	32	-1.09	52	-1.74	72	-3.30
13	1.09	33	-0.90	53	-1.76	73	-3.22
14	0.95	34	-0.73	54	-1.85	74	-2.95
15	0.70	35	-0.78	55	-2.49	75	-2.60
16	0.67	36	-0.85	56	-3.00	76	-2.50
17	0.62	37	-0.99	57	-2.97	77	-2.95
18	0.50	38	-0.91	58	-2.50	78	-3.00
19	0.38	39	-1.13	59	-2.46	79	-3.66
20	0.27	40	-2.06	60	-2.30	80	-3.98

1	0.03	6	0.19	11	0.10	16	0.22
2	0.21	7	0.20	12	0.08	17	0.24
3	0.19	8	0.22	13	0.12	18	0.20
4	0.22	9	0.16	14	0.16	19	0.21
5	0.18	10	0.17	15	0.22	20	0.20

12/ 7/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.17	41	-1.77	61	-2.45
2	2.21	22	0.07	42	-1.09	62	-2.48
3	2.64	23	-0.07	43	-0.97	63	-2.55
4	2.56	24	-0.12	44	-0.91	64	-2.81
5	2.21	25	-0.20	45	-0.97	65	-2.20
6	2.04	26	-0.29	46	-1.48	66	-2.12
7	1.91	27	-0.33	47	-1.70	67	-2.20
8	1.75	28	-0.35	48	-1.98	68	-2.39
9	1.59	29	-0.38	49	-1.30	69	-2.59
10	1.47	30	-0.45	50	-1.54	70	-2.76
11	1.32	31	-1.01	51	-1.95	71	-2.67
12	1.19	32	-0.73	52	-2.12	72	-3.06
13	1.09	33	-0.65	53	-2.00	73	-2.40
14	1.02	34	-0.60	54	-2.08	74	-2.37
15	0.90	35	-0.65	55	-2.27	75	-2.55
16	0.82	36	-0.73	56	-2.40	76	-2.67
17	0.74	37	-0.83	57	-2.27	77	-2.92
18	0.62	38	-0.94	58	-1.90	78	-2.92
19	0.47	39	-1.05	59	-2.05	79	-3.03
20	0.32	40	-1.21	60	-2.35	80	-3.39

1	0.08	6	0.08	11	0.17	16	0.22
2	0.09	7	0.11	12	0.12	17	0.26
3	0.09	8	0.08	13	0.20	18	0.30
4	0.09	9	0.04	14	0.22	19	0.30
5	0.08	10	0.01	15	0.19	20	0.32

12/14/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.17	41	-1.60	61	-2.25
2	2.23	22	0.15	42	-0.83	62	-2.48
3	2.66	23	0.02	43	-0.77	63	-2.82
4	2.51	24	-0.12	44	-0.76	64	-3.02
5	2.15	25	-0.24	45	-0.80	65	-2.65
6	2.05	26	-0.26	46	-0.83	66	-2.33
7	1.90	27	-0.33	47	-1.06	67	-2.19
8	1.69	28	-0.40	48	-1.46	68	-2.15
9	1.59	29	-0.71	49	-1.06	69	-2.16
10	1.45	30	-0.77	50	-1.06	70	-2.40
11	1.35	31	-1.02	51	-1.18	71	-2.70
12	1.25	32	-0.60	52	-1.32	72	-3.08
13	1.14	33	-0.62	53	-1.47	73	-2.79
14	1.03	34	-0.65	54	-1.90	74	-2.40
15	0.93	35	-0.69	55	-2.27	75	-2.29
16	0.82	36	-0.76	56	-2.55	76	-2.36
17	0.77	37	-0.78	57	-2.22	77	-2.51
18	0.65	38	-0.94	58	-2.09	78	-2.85
19	0.51	39	-1.09	59	-2.06	79	-3.32
20	0.40	40	-1.35	60	-2.08	80	-3.59

1	0.17	6	0.30	11	0.19	16	0.35
2	0.17	7	0.35	12	0.21	17	0.38
3	0.21	8	0.25	13	0.20	18	0.33
4	0.19	9	0.19	14	0.21	19	0.30
5	0.24	10	0.20	15	0.27	20	0.32

12/21/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.25	41	-2.00	61	-2.31
2	2.34	22	0.16	42	-1.35	62	-2.45
3	2.54	23	0.05	43	-1.04	63	-3.15
4	2.44	24	0.0	44	-1.01	64	-3.40
5	2.19	25	-0.10	45	-1.01	65	-3.20
6	1.97	26	-0.15	46	-1.08	66	-2.82
7	1.87	27	-0.25	47	-1.20	67	-2.70
8	1.70	28	-0.30	48	-2.00	68	-2.73
9	1.58	29	-0.37	49	-1.48	69	-2.73
10	1.48	30	-0.47	50	-1.20	70	-2.76
11	1.37	31	-1.04	51	-1.08	71	-3.30
12	1.25	32	-0.64	52	-1.09	72	-3.54
13	1.15	33	-0.55	53	-1.26	73	-3.35
14	1.03	34	-0.67	54	-1.44	74	-2.73
15	0.91	35	-0.71	55	-2.00	75	-2.55
16	0.78	36	-0.70	56	-2.42	76	-2.37
17	0.73	37	-0.70	57	-2.18	77	-2.34
18	0.60	38	-0.74	58	-1.88	78	-2.37
19	0.50	39	-0.85	59	-1.93	79	-2.85
20	0.40	40	-1.45	60	-2.16	80	-3.10

1	0.27	6	0.14	11	0.20	16	0.28
2	0.17	7	0.22	12	0.20	17	0.30
3	0.18	8	0.26	13	0.29	18	0.27
4	0.15	9	0.26	14	0.33	19	0.37
5	0.17	10	0.22	15	0.33	20	0.33

12/28/1978							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.21	41	-1.94	61	-2.97
2	2.22	22	0.25	42	-1.90	62	-3.00
3	2.69	23	0.19	43	-1.15	63	-3.28
4	2.48	24	0.11	44	-1.10	64	-3.70
5	2.19	25	0.04	45	-1.05	65	-3.70
6	1.98	26	-0.05	46	-1.09	66	-2.75
7	1.87	27	-0.12	47	-1.21	67	-2.37
8	1.75	28	-0.22	48	-1.85	68	-2.17
9	1.62	29	-0.33	49	-1.75	69	-2.10
10	1.51	30	-0.45	50	-1.27	70	-2.02
11	1.39	31	-1.00	51	-1.25	71	-2.13
12	1.27	32	-0.93	52	-1.34	72	-2.68
13	1.14	33	-0.71	53	-1.54	73	-2.57
14	1.00	34	-0.65	54	-1.90	74	-2.00
15	0.77	35	-0.65	55	-2.27	75	-1.70
16	0.68	36	-0.68	56	-3.05	76	-1.71
17	0.65	37	-0.72	57	-3.36	77	-1.82
18	0.56	38	-0.77	58	-2.88	78	-2.00
19	0.46	39	-0.90	59	-2.80	79	-2.49
20	0.38	40	-1.47	60	-2.85	80	-3.07

1	0.28	6	0.24	11	0.22	16	0.15
2	0.22	7	0.22	12	0.12	17	0.18
3	0.24	8	0.27	13	0.05	18	0.14
4	0.23	9	0.29	14	0.13	19	0.07
5	0.28	10	0.31	15	0.10	20	0.06

1/ 4/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.13	41	-1.21	61	-2.72
2	2.25	22	-0.03	42	-0.63	62	-3.00
3	2.68	23	-0.15	43	-0.65	63	-3.17
4	2.55	24	-0.23	44	-0.71	64	-3.25
5	2.20	25	-0.36	45	-0.75	65	-2.74
6	2.14	26	-0.33	46	-0.83	66	-2.42
7	1.89	27	-0.38	47	-1.04	67	-2.37
8	1.75	28	-0.40	48	-1.25	68	-2.52
9	1.60	29	-0.42	49	-0.98	69	-2.68
10	1.47	30	-0.43	50	-1.11	70	-2.80
11	1.37	31	-0.80	51	-1.24	71	-2.97
12	1.26	32	-0.55	52	-1.34	72	-3.12
13	1.14	33	-0.50	53	-1.45	73	-2.60
14	1.03	34	-0.50	54	-1.73	74	-2.60
15	0.94	35	-0.63	55	-1.94	75	-2.67
16	0.80	36	-0.74	56	-2.27	76	-2.75
17	0.76	37	-0.96	57	-2.16	77	-2.88
18	0.66	38	-1.04	58	-2.25	78	-3.03
19	0.57	39	-1.17	59	-2.34	79	-3.17
20	0.48	40	-1.30	60	-2.46	80	-3.14

1	0.05	6	0.18	11	0.03	16	0.03
2	0.10	7	0.17	12	0.04	17	0.05
3	0.13	8	0.17	13	0.07	18	0.05
4	0.15	9	0.16	14	0.05	19	0.03
5	0.16	10	0.17	15	0.03	20	0.03

1/11/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.10	41	-2.01	61	-2.40
2	2.24	22	0.06	42	-2.11	62	-2.68
3	2.67	23	-0.08	43	-1.91	63	-3.00
4	2.44	24	-0.17	44	-1.89	64	-3.30
5	2.16	25	-0.26	45	-1.90	65	-3.00
6	1.98	26	-0.27	46	-1.80	66	-2.55
7	1.85	27	-0.35	47	-2.00	67	-2.69
8	1.72	28	-0.38	48	-2.07	68	-3.89
9	1.58	29	-0.66	49	-1.97	69	-3.89
10	1.45	30	-0.76	50	-1.95	70	-3.08
11	1.33	31	-1.10	51	-1.90	71	-3.20
12	1.23	32	-1.21	52	-1.84	72	-3.34
13	1.12	33	-1.05	53	-1.70	73	-3.00
14	1.04	34	-1.28	54	-1.80	74	-2.83
15	0.98	35	-1.28	55	-1.75	75	-2.91
16	0.84	36	-1.34	56	-2.10	76	-3.05
17	0.70	37	-1.48	57	-2.10	77	-2.91
18	0.54	38	-1.52	58	-1.60	78	-3.03
19	0.40	39	-1.60	59	-2.00	79	-3.00
20	0.29	40	-1.81	60	-2.23	80	-3.08

1	-0.05	6	0.26	11	-0.04	16	0.20
2	0.05	7	0.26	12	0.0	17	0.17
3	0.06	8	0.25	13	-0.03	18	0.20
4	0.12	9	0.22	14	-0.02	19	0.22
5	0.23	10	0.24	15	0.11	20	0.23

1/18/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.50	41	-1.00	61	-2.51
2	2.25	22	0.35	42	-0.68	62	-2.73
3	2.72	23	0.20	43	-0.73	63	-2.84
4	2.51	24	0.05	44	-0.77	64	-3.00
5	2.16	25	-0.10	45	-0.85	65	-2.67
6	1.99	26	-0.34	46	-0.94	66	-2.67
7	1.89	27	-0.46	47	-1.05	67	-2.85
8	1.73	28	-0.59	48	-1.42	68	-2.87
9	1.60	29	-0.70	49	-1.08	69	-2.90
10	1.47	30	-0.73	50	-1.12	70	-2.94
11	1.35	31	-0.76	51	-1.15	71	-3.00
12	1.24	32	-0.40	52	-1.26	72	-3.12
13	1.18	33	-0.34	53	-1.43	73	-2.64
14	1.14	34	-0.35	54	-1.70	74	-2.55
15	1.06	35	-0.35	55	-1.93	75	-2.55
16	0.96	36	-0.38	56	-2.25	76	-2.58
17	0.90	37	-0.43	57	-1.92	77	-2.60
18	0.82	38	-0.49	58	-2.04	78	-2.66
19	0.78	39	-0.52	59	-2.13	79	-2.77
20	0.75	40	-0.73	60	-2.32	80	-3.05

1	0.38	6	0.44	11	0.39	16	0.21
2	0.41	7	0.48	12	0.43	17	0.16
3	0.39	8	0.49	13	0.45	18	0.17
4	0.45	9	0.60	14	0.35	19	0.23
5	0.42	10	0.50	15	0.28	20	0.32

1/25/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.50	41	-1.25	61	-2.58
2	2.22	22	0.43	42	-0.60	62	-2.76
3	2.69	23	0.33	43	-0.55	63	-3.05
4	2.51	24	0.22	44	-0.53	64	-3.22
5	2.18	25	0.13	45	-0.59	65	-2.69
6	2.02	26	0.01	46	-1.00	66	-2.40
7	1.89	27	-0.13	47	-1.30	67	-2.37
8	1.73	28	-0.15	48	-1.44	68	-2.37
9	1.59	29	-0.19	49	-1.05	69	-2.40
10	1.45	30	-0.55	50	-1.28	70	-2.37
11	1.35	31	-0.88	51	-1.50	71	-2.62
12	1.25	32	-0.66	52	-2.05	72	-3.04
13	1.19	33	-0.40	53	-2.21	73	-2.47
14	1.15	34	-0.49	54	-2.36	74	-2.16
15	1.08	35	-0.55	55	-2.65	75	-2.25
16	1.00	36	-0.64	56	-2.78	76	-2.40
17	0.91	37	-0.66	57	-2.56	77	-2.55
18	0.85	38	-0.67	58	-2.34	78	-2.75
19	0.75	39	-0.66	59	-2.35	79	-3.10
20	0.65	40	-0.69	60	-2.46	80	-3.30

1	0.51	6	0.62	11	0.50	16	0.36
2	0.64	7	0.50	12	0.42	17	0.43
3	0.64	8	0.56	13	0.41	18	0.52
4	0.56	9	0.58	14	0.42	19	0.44
5	0.54	10	0.58	15	0.33	20	0.42

2/ 1/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.35	41	-1.95	61	-2.10
2	2.28	22	0.27	42	-1.95	62	-2.42
3	2.68	23	0.18	43	-1.40	63	-3.25
4	2.47	24	0.08	44	-1.26	64	-3.75
5	2.20	25	0.01	45	-1.30	65	-3.77
6	2.02	26	-0.07	46	-1.38	66	-3.14
7	1.90	27	-0.14	47	-1.65	67	-3.15
8	1.74	28	-0.21	48	-2.53	68	-3.35
9	1.63	29	-0.30	49	-2.48	69	-3.35
10	1.52	30	-0.40	50	-2.03	70	-3.53
11	1.40	31	-0.75	51	-1.70	71	-3.73
12	1.28	32	-0.53	52	-1.55	72	-3.94
13	1.16	33	-0.55	53	-1.49	73	-4.11
14	1.05	34	-0.62	54	-1.45	74	-3.86
15	0.94	35	-0.68	55	-1.64	75	-3.58
16	0.80	36	-0.71	56	-2.38	76	-3.37
17	0.76	37	-0.80	57	-2.62	77	-3.50
18	0.66	38	-0.86	58	-1.80	78	-3.45
19	0.57	39	-0.95	59	-1.76	79	-3.40
20	0.48	40	-1.12	60	-1.96	80	-4.20

1	0.30	6	0.32	11	0.35	16	0.32
2	0.28	7	0.32	12	0.37	17	0.35
3	0.30	8	0.30	13	0.39	18	0.34
4	0.31	9	0.30	14	0.37	19	0.35
5	0.33	10	0.30	15	0.35	20	0.30

2/ 8/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.14	41	-1.40	61	-2.46
2	2.40	22	0.09	42	-0.76	62	-2.72
3	2.62	23	-0.05	43	-0.81	63	-3.15
4	2.40	24	-0.12	44	-0.78	64	-3.34
5	2.15	25	-0.20	45	-0.73	65	-3.48
6	2.08	26	-0.31	46	-0.78	66	-3.01
7	1.86	27	-0.36	47	-1.00	67	-2.93
8	1.75	28	-0.42	48	-1.35	68	-2.98
9	1.63	29	-0.57	49	-1.05	69	-3.06
10	1.46	30	-0.64	50	-1.03	70	-3.35
11	1.36	31	-1.12	51	-1.18	71	-3.87
12	1.24	32	-0.90	52	-1.31	72	-4.30
13	1.10	33	-0.87	53	-1.54	73	-3.95
14	0.99	34	-0.95	54	-1.80	74	-3.55
15	0.87	35	-0.88	55	-2.27	75	-3.30
16	0.75	36	-0.86	56	-2.50	76	-3.24
17	0.69	37	-0.85	57	-2.40	77	-3.20
18	0.54	38	-0.78	58	-2.11	78	-3.53
19	0.40	39	-0.67	59	-2.18	79	-3.90
20	0.30	40	-0.94	60	-2.29	80	-3.96

1	0.42	6	0.47	11	0.41	16	0.68
2	0.43	7	0.55	12	0.39	17	0.70
3	0.46	8	0.54	13	0.50	18	0.73
4	0.43	9	0.66	14	0.59	19	0.77
5	0.44	10	0.68	15	0.64	20	0.73

2/15/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.31	41	-0.89	61	-2.76
2	2.37	22	0.22	42	-0.87	62	-3.14
3	2.66	23	0.13	43	-0.83	63	-3.67
4	2.45	24	0.05	44	-0.87	64	-3.90
5	2.18	25	-0.09	45	-0.86	65	-3.57
6	2.00	26	-0.16	46	-0.88	66	-3.42
7	1.87	27	-0.23	47	-0.92	67	-3.25
8	1.74	28	-0.29	48	-1.45	68	-3.19
9	1.62	29	-0.39	49	-1.25	69	-3.29
10	1.49	30	-0.69	50	-1.15	70	-3.43
11	1.35	31	-0.75	51	-1.29	71	-3.92
12	1.24	32	-0.45	52	-1.46	72	-4.05
13	1.13	33	-0.35	53	-1.65	73	-3.35
14	1.03	34	-0.32	54	-1.90	74	-3.35
15	0.95	35	-0.35	55	-2.30	75	-3.16
16	0.88	36	-0.36	56	-2.90	76	-3.09
17	0.81	37	-0.43	57	-2.83	77	-3.10
18	0.70	38	-0.45	58	-2.55	78	-3.00
19	0.57	39	-0.53	59	-2.50	79	-3.00
20	0.45	40	-0.80	60	-2.56	80	-3.15

1	0.30	6	0.34	11	0.23	16	0.16
2	0.32	7	0.31	12	0.21	17	0.13
3	0.31	8	0.32	13	0.21	18	0.07
4	0.31	9	0.29	14	0.23	19	0.04
5	0.32	10	0.28	15	0.21	20	0.03

2/22/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	0.53	41	-1.13	61	-3.26
2	2.21	22	0.45	42	-0.96	62	-3.45
3	2.58	23	0.35	43	-0.73	63	-3.47
4	2.39	24	0.26	44	-0.73	64	-3.55
5	2.10	25	0.18	45	-0.80	65	-3.27
6	1.92	26	0.10	46	-0.92	66	-3.15
7	1.79	27	0.05	47	-1.20	67	-3.30
8	1.67	28	-0.02	48	-1.59	68	-3.50
9	1.55	29	-0.07	49	-1.63	69	-3.43
10	1.46	30	-0.15	50	-1.70	70	-3.50
11	1.40	31	-0.53	51	-2.00	71	-3.55
12	1.29	32	-0.28	52	-2.11	72	-3.80
13	1.18	33	-0.25	53	-2.20	73	-3.45
14	1.08	34	-0.30	54	-2.40	74	-3.13
15	1.02	35	-0.35	55	-2.64	75	-3.00
16	0.91	36	-0.41	56	-2.76	76	-2.90
17	0.84	37	-0.46	57	-2.65	77	-2.80
18	0.74	38	-0.50	58	-2.65	78	-2.80
19	0.65	39	-0.52	59	-2.98	79	-2.93
20	0.62	40	-0.75	60	-3.15	80	-3.10

1	0.97	6	1.09	11	1.03	16	0.88
2	1.04	7	1.04	12	1.05	17	0.95
3	1.07	8	1.05	13	1.00	18	0.95
4	1.07	9	1.17	14	0.95	19	0.95
5	1.09	10	1.09	15	1.05	20	1.00

3/ 1/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	-0.14	41	-1.86	61	-2.73
2	2.20	22	-0.21	42	-1.74	62	-2.71
3	2.05	23	-0.30	43	-1.65	63	-3.85
4	1.94	24	-0.40	44	-1.56	64	-3.45
5	1.80	25	-0.44	45	-1.47	65	-3.20
6	1.65	26	-0.52	46	-1.72	66	-2.86
7	1.50	27	-0.57	47	-1.80	67	-2.67
8	1.34	28	-0.64	48	-2.40	68	-2.58
9	1.17	29	-0.64	49	-2.60	69	-2.65
10	1.03	30	-0.67	50	-2.10	70	-2.79
11	0.90	31	-0.90	51	-2.07	71	-3.20
12	0.79	32	-0.79	52	-2.12	72	-3.59
13	0.66	33	-0.83	53	-2.16	73	-3.85
14	0.55	34	-0.86	54	-2.25	74	-3.25
15	0.44	35	-1.05	55	-2.82	75	-3.20
16	0.35	36	-1.07	56	-3.10	76	-3.29
17	0.26	37	-1.08	57	-3.24	77	-3.33
18	0.15	38	-1.20	58	-3.05	78	-3.41
19	0.05	39	-1.46	59	-2.53	79	-3.60
20	-0.02	40	-1.60	60	-2.60	80	-4.15

1	0.13	6	0.12	11	0.15	16	0.22
2	0.12	7	0.14	12	0.16	17	0.20
3	0.10	8	0.09	13	0.19	18	0.24
4	0.12	9	0.12	14	0.21	19	0.29
5	0.09	10	0.07	15	0.24	20	0.27

3/ 8/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.10	41	-2.55	61	-2.01
2	2.17	22	-0.03	42	-2.34	62	-2.25
3	2.01	23	-0.20	43	-2.23	63	-2.60
4	1.89	24	-0.50	44	-2.30	64	-3.45
5	1.74	25	-0.84	45	-2.30	65	-3.20
6	1.60	26	-0.95	46	-2.34	66	-2.73
7	1.46	27	-1.05	47	-2.72	67	-2.77
8	1.34	28	-1.06	48	-2.92	68	-2.87
9	1.22	29	-1.37	49	-2.49	69	-3.14
10	1.08	30	-1.26	50	-2.39	70	-3.27
11	0.96	31	-1.70	51	-2.41	71	-4.90
12	0.85	32	-1.65	52	-2.48	72	-4.45
13	0.62	33	-1.57	53	-2.60	73	-4.46
14	0.58	34	-1.30	54	-2.31	74	-3.85
15	0.46	35	-1.25	55	-2.48	75	-3.72
16	0.35	36	-1.26	56	-3.03	76	-3.70
17	0.26	37	-1.43	57	-2.46	77	-3.74
18	0.19	38	-1.60	58	-1.95	78	-4.13
19	0.23	39	-2.03	59	-1.84	79	-4.45
20	0.22	40	-2.20	60	-1.87	80	-4.60

1	0.55	6	0.35	11	0.26	16	0.26
2	0.50	7	0.37	12	0.23	17	0.28
3	0.36	8	0.40	13	0.29	18	0.32
4	0.47	9	0.38	14	0.22	19	0.34
5	0.37	10	0.37	15	0.21	20	0.33

3/15/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.10	41	-3.35	61	-2.85
2	2.28	22	-0.24	42	-3.29	62	-3.14
3	2.16	23	-0.25	43	-2.86	63	-3.70
4	2.02	24	-0.31	44	-2.80	64	-4.35
5	1.87	25	-0.30	45	-2.75	65	-4.30
6	1.70	26	-1.64	46	-2.86	66	-3.89
7	1.56	27	-1.52	47	-3.45	67	-3.89
8	1.46	28	-1.50	48	-3.64	68	-4.17
9	1.34	29	-1.53	49	-3.62	69	-4.93
10	1.26	30	-1.57	50	-3.31	70	-4.85
11	1.25	31	-1.94	51	-3.22	71	-5.00
12	1.24	32	-1.80	52	-3.16	72	-5.00
13	1.28	33	-1.86	53	-3.27	73	-5.00
14	1.33	34	-2.28	54	-3.36	74	-5.00
15	1.17	35	-2.42	55	-3.34	75	-4.74
16	0.72	36	-2.62	56	-3.77	76	-4.72
17	0.70	37	-2.84	57	-3.61	77	-4.85
18	0.54	38	-3.00	58	-3.40	78	-4.73
19	0.37	39	-2.90	59	-2.88	79	-4.80
20	0.26	40	-3.24	60	-2.76	80	-4.90

1	-0.03	6	0.07	11	-0.00	16	0.17
2	0.01	7	0.10	12	0.07	17	0.26
3	-0.00	8	0.12	13	0.15	18	0.29
4	0.06	9	0.13	14	0.17	19	0.31
5	0.06	10	0.14	15	0.19	20	0.31

3/22/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	-0.10	41	-2.26	61	-2.52
2	2.15	22	-0.30	42	-1.30	62	-2.84
3	2.02	23	-0.60	43	-1.20	63	-3.36
4	1.89	24	-0.82	44	-1.20	64	-3.83
5	1.74	25	-0.95	45	-1.15	65	-3.93
6	1.61	26	-1.04	46	-1.21	66	-3.62
7	1.44	27	-1.08	47	-1.36	67	-3.78
8	1.33	28	-1.14	48	-1.90	68	-3.78
9	1.27	29	-1.45	49	-1.63	69	-3.68
10	1.25	30	-1.55	50	-1.34	70	-3.81
11	1.25	31	-1.84	51	-1.50	71	-3.83
12	1.27	32	-1.85	52	-1.66	72	-4.35
13	1.32	33	-1.64	53	-1.85	73	-4.42
14	1.28	34	-1.64	54	-2.27	74	-4.27
15	1.13	35	-1.35	55	-2.53	75	-4.19
16	0.85	36	-1.24	56	-3.23	76	-4.12
17	0.65	37	-1.15	57	-2.76	77	-3.47
18	0.45	38	-1.14	58	-2.27	78	-3.37
19	0.28	39	-1.29	59	-2.24	79	-3.34
20	0.10	40	-1.74	60	-2.32	80	-4.00

1	0.0	6	0.15	11	-0.07	16	0.14
2	0.10	7	0.20	12	-0.03	17	0.20
3	0.18	8	0.12	13	0.06	18	0.25
4	0.22	9	0.18	14	0.13	19	0.30
5	0.25	10	0.21	15	0.15	20	0.30

3/29/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.16	41	-1.60	61	-2.83
2	2.12	22	-0.09	42	-0.96	62	-3.11
3	1.97	23	-0.22	43	-0.97	63	-3.60
4	1.85	24	-0.37	44	-1.00	64	-3.81
5	1.70	25	-0.47	45	-1.10	65	-3.55
6	1.55	26	-0.54	46	-1.26	66	-3.44
7	1.43	27	-0.69	47	-1.47	67	-3.46
8	1.33	28	-0.94	48	-1.73	68	-3.48
9	1.07	29	-1.12	49	-1.30	69	-3.07
10	1.27	30	-1.30	50	-1.38	70	-3.60
11	1.27	31	-1.45	51	-1.51	71	-3.68
12	1.31	32	-0.95	52	-1.67	72	-3.70
13	1.33	33	-0.90	53	-2.14	73	-2.78
14	1.35	34	-0.95	54	-2.52	74	-2.53
15	1.30	35	-0.99	55	-2.71	75	-2.57
16	0.97	36	-1.04	56	-2.85	76	-2.53
17	0.76	37	-1.08	57	-2.56	77	-2.74
18	0.58	38	-1.07	58	-2.60	78	-2.79
19	0.45	39	-1.25	59	-2.65	79	-2.89
20	0.30	40	-1.41	60	-2.70	80	-3.10

1	0.37	6	0.38	11	0.20	16	0.24
2	0.37	7	0.40	12	0.22	17	0.11
3	0.39	8	0.40	13	0.19	18	0.04
4	0.42	9	0.42	14	0.26	19	-0.02
5	0.42	10	0.43	15	0.21	20	-0.10

4/ 5/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.04	41	-1.74	61	-3.15
2	2.17	22	-0.18	42	-1.50	62	-3.25
3	2.03	23	-0.19	43	-1.21	63	-3.48
4	1.90	24	-0.27	44	-1.22	64	-4.21
5	1.78	25	-0.34	45	-1.24	65	-4.05
6	1.67	26	-0.40	46	-1.68	66	-3.63
7	1.60	27	-0.46	47	-2.11	67	-3.37
8	1.55	28	-0.60	48	-2.29	68	-3.17
9	1.47	29	-0.61	49	-1.98	69	-3.22
10	1.40	30	-0.96	50	-1.78	70	-3.18
11	1.29	31	-1.16	51	-1.86	71	-3.31
12	0.83	32	-1.29	52	-1.95	72	-4.14
13	0.95	33	-1.21	53	-2.09	73	-4.10
14	0.93	34	-1.44	54	-2.40	74	-3.65
15	0.82	35	-1.16	55	-3.28	75	-3.00
16	0.75	36	-1.13	56	-3.50	76	-2.65
17	0.54	37	-1.19	57	-3.56	77	-2.64
18	0.39	38	-1.20	58	-3.19	78	-2.63
19	0.26	39	-1.27	59	-3.07	79	-2.80
20	0.15	40	-1.50	60	-3.09	80	-3.20

1	0.19	6	0.35	11	0.07	16	0.23
2	0.26	7	0.34	12	0.16	17	0.22
3	0.28	8	0.38	13	0.19	18	0.22
4	0.29	9	0.42	14	0.21	19	0.27
5	0.32	10	0.42	15	0.25	20	0.30

4/12/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.11	41	-2.40	61	-2.97
2	2.19	22	0.01	42	-1.77	62	-3.05
3	2.06	23	-0.17	43	-1.53	63	-3.65
4	1.91	24	-0.23	44	-1.42	64	-3.86
5	1.80	25	-0.27	45	-1.55	65	-3.62
6	1.69	26	-0.48	46	-1.63	66	-3.46
7	1.60	27	-0.55	47	-1.40	67	-3.47
8	1.55	28	-0.64	48	-2.17	68	-3.41
9	1.47	29	-0.94	49	-1.72	69	-3.41
10	1.33	30	-1.09	50	-1.33	70	-3.29
11	1.33	31	-1.29	51	-1.27	71	-3.35
12	1.24	32	-1.32	52	-1.39	72	-3.40
13	1.11	33	-1.17	53	-1.46	73	-2.69
14	1.00	34	-1.26	54	-1.71	74	-2.27
15	0.89	35	-1.21	55	-2.25	75	-2.27
16	0.74	36	-1.19	56	-3.03	76	-2.34
17	0.64	37	-1.22	57	-2.77	77	-2.43
18	0.51	38	-1.32	58	-2.65	78	-2.62
19	0.37	39	-1.56	59	-2.85	79	-2.80
20	0.28	40	-1.70	60	-2.78	80	-3.05

1	0.23	6	0.36	11	0.23	16	0.12
2	0.26	7	0.30	12	0.16	17	0.16
3	0.31	8	0.19	13	0.11	18	0.21
4	0.38	9	0.24	14	0.11	19	0.23
5	0.41	10	0.26	15	0.11	20	0.23

4/19/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.06	41	-2.10	61	-3.43
2	2.19	22	-0.17	42	-1.72	62	-3.60
3	2.05	23	-0.37	43	-1.21	63	-3.75
4	1.91	24	-0.55	44	-1.16	64	-3.84
5	1.77	25	-0.69	45	-1.16	65	-3.70
6	1.66	26	-0.85	46	-1.19	66	-3.47
7	1.60	27	-0.98	47	-1.46	67	-3.25
8	1.54	28	-1.00	48	-1.90	68	-3.14
9	1.49	29	-1.11	49	-1.05	69	-2.94
10	1.44	30	-1.34	50	-1.64	70	-2.65
11	1.41	31	-1.85	51	-1.76	71	-2.65
12	1.33	32	-1.62	52	-1.94	72	-2.67
13	1.17	33	-1.46	53	-2.14	73	-2.40
14	1.07	34	-1.44	54	-2.50	74	-2.20
15	1.01	35	-1.61	55	-3.00	75	-2.28
16	0.90	36	-1.61	56	-3.20	76	-2.55
17	0.80	37	-1.56	57	-2.90	77	-2.71
18	0.75	38	-1.59	58	-2.87	78	-2.80
19	0.55	39	-1.58	59	-3.13	79	-3.06
20	0.40	40	-1.68	60	-3.25	80	-3.25

1	-0.26	6	0.49	11	0.16	16	0.12
2	0.42	7	0.40	12	0.12	17	0.21
3	0.45	8	0.39	13	0.06	18	0.27
4	0.48	9	0.40	14	0.08	19	0.29
5	0.51	10	0.38	15	0.07	20	0.31

4/26/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	-0.09	41	-2.19	61	-3.22
2	2.08	22	-0.17	42	-2.06	62	-3.33
3	1.95	23	-0.32	43	-2.13	63	-3.56
4	1.80	24	-0.44	44	-1.95	64	-3.68
5	1.69	25	-0.62	45	-2.00	65	-3.25
6	1.61	26	-0.84	46	-2.16	66	-2.82
7	1.57	27	-0.71	47	-1.94	67	-2.69
8	1.53	28	-0.79	48	-2.10	68	-2.54
9	1.46	29	-0.93	49	-1.69	69	-2.57
10	1.37	30	-1.05	50	-1.50	70	-2.50
11	1.27	31	-1.48	51	-1.56	71	-2.41
12	1.11	32	-1.29	52	-1.79	72	-2.58
13	1.05	33	-1.32	53	-2.09	73	-2.41
14	0.92	34	-1.45	54	-2.15	74	-2.17
15	0.73	35	-1.94	55	-2.38	75	-2.18
16	0.53	36	-1.77	56	-2.86	76	-2.27
17	0.45	37	-1.76	57	-2.85	77	-2.51
18	0.30	38	-1.91	58	-3.06	78	-2.80
19	0.19	39	-1.96	59	-3.06	79	-2.97
20	0.05	40	-1.95	60	-3.15	80	-3.14

1	-0.10	6	-0.27	11	-0.13	16	0.05
2	-0.12	7	-0.12	12	-0.16	17	0.14
3	-0.15	8	0.02	13	-0.09	18	0.22
4	-0.22	9	0.10	14	-0.03	19	0.29
5	-0.19	10	0.13	15	0.00	20	0.36

5/ 3/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	-0.20	41	-2.15	61	-2.99
2	2.20	22	-0.38	42	-1.60	62	-3.48
3	2.04	23	-0.51	43	-1.42	63	-3.89
4	1.88	24	-0.60	44	-1.39	64	-4.00
5	1.84	25	-0.69	45	-1.49	65	-3.70
6	1.57	26	-0.81	46	-1.55	66	-3.69
7	1.42	27	-1.11	47	-1.75	67	-3.89
8	1.26	28	-1.14	48	-2.04	68	-3.92
9	1.10	29	-1.21	49	-2.34	69	-3.77
10	0.99	30	-1.32	50	-1.69	70	-3.82
11	0.82	31	-1.45	51	-1.62	71	-4.06
12	0.75	32	-1.20	52	-1.63	72	-4.14
13	0.63	33	-1.19	53	-1.71	73	-3.60
14	0.55	34	-1.01	54	-1.80	74	-3.47
15	0.44	35	-1.06	55	-2.27	75	-3.26
16	0.31	36	-1.19	56	-2.87	76	-3.40
17	0.23	37	-1.19	57	-2.97	77	-3.36
18	0.15	38	-1.50	58	-2.19	78	-3.31
19	0.07	39	-1.90	59	-2.25	79	-3.50
20	-0.15	40	-1.86	60	-2.59	80	-3.60

1	0.14	6	0.24	11	0.28	16	0.56
2	0.11	7	0.26	12	0.37	17	0.64
3	0.20	8	0.26	13	0.49	18	0.70
4	0.19	9	0.29	14	0.52	19	0.74
5	0.21	10	0.34	15	0.45	20	0.78

5/10/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	-0.14	41	-2.60	61	-2.87
2	2.16	22	-0.11	42	-1.84	62	-3.13
3	2.05	23	-0.24	43	-1.55	63	-3.40
4	1.86	24	-0.38	44	-1.47	64	-4.37
5	1.65	25	-0.49	45	-1.53	65	-4.30
6	1.55	26	-0.56	46	-1.59	66	-3.78
7	1.40	27	-0.87	47	-1.90	67	-3.54
8	1.39	28	-1.06	48	-2.77	68	-3.49
9	1.28	29	-1.39	49	-2.29	69	-3.57
10	1.09	30	-1.63	50	-1.91	70	-3.61
11	0.94	31	-1.91	51	-1.92	71	-3.70
12	0.81	32	-1.60	52	-1.91	72	-4.37
13	0.68	33	-1.57	53	-1.99	73	-4.35
14	0.60	34	-1.70	54	-2.14	74	-3.92
15	0.47	35	-1.29	55	-2.43	75	-2.25
16	0.13	36	-1.30	56	-3.40	76	-2.90
17	0.26	37	-1.29	57	-3.48	77	-2.87
18	0.19	38	-1.30	58	-2.82	78	-2.80
19	0.12	39	-1.51	59	-2.65	79	-2.85
20	0.03	40	-1.90	60	-2.89	80	-3.47

1	-0.15	6	-0.19	11	-0.11	16	0.10
2	-0.17	7	-0.16	12	-0.11	17	0.15
3	-0.20	8	-0.18	13	-0.10	18	0.21
4	-0.24	9	-0.19	14	0.01	19	0.24
5	-0.16	10	-0.23	15	-0.00	20	0.29

5/17/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	-0.24	41	-1.84	61	-2.84
2	2.02	22	-0.33	42	-1.55	62	-2.72
3	1.85	23	-0.41	43	-1.54	63	-2.82
4	1.65	24	-0.47	44	-1.92	64	-3.74
5	1.30	25	-0.53	45	-1.96	65	-3.37
6	1.17	26	-0.59	46	-2.05	66	-2.44
7	1.24	27	-0.66	47	-2.75	67	-2.05
8	0.98	28	-0.73	48	-3.25	68	-1.86
9	0.98	29	-0.77	49	-3.05	69	-1.88
10	0.86	30	-0.93	50	-2.59	70	-1.88
11	0.74	31	-1.29	51	-2.39	71	-1.98
12	0.64	32	-1.06	52	-2.57	72	-2.53
13	0.53	33	-0.95	53	-2.62	73	-2.44
14	0.42	34	-1.07	54	-2.74	74	-2.26
15	0.32	35	-1.23	55	-3.13	75	-1.95
16	0.23	36	-1.23	56	-3.76	76	-1.93
17	0.16	37	-1.13	57	-3.73	77	-2.14
18	0.07	38	-1.09	58	-3.10	78	-2.38
19	-0.02	39	-1.17	59	-3.26	79	-2.61
20	-0.10	40	-1.26	60	-2.67	80	-3.19

1	-0.26	6	-0.19	11	-0.22	16	-0.21
2	-0.24	7	-0.17	12	-0.21	17	-0.23
3	-0.25	8	-0.21	13	-0.20	18	-0.31
4	-0.23	9	-0.19	14	-0.25	19	-0.28
5	-0.20	10	-0.16	15	-0.20	20	-0.29

5/24/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	-0.07	41	-2.36	61	-2.27
2	2.15	22	-0.12	42	-2.35	62	-2.06
3	1.97	23	-0.20	43	-2.49	63	-1.86
4	1.81	24	-0.26	44	-2.62	64	-1.90
5	1.64	25	-0.40	45	-2.60	65	-1.79
6	1.46	26	-0.50	46	-2.64	66	-1.79
7	1.31	27	-0.60	47	-2.73	67	-2.05
8	1.22	28	-0.60	48	-2.70	68	-2.15
9	1.07	29	-0.66	49	-2.70	69	-2.17
10	0.95	30	-0.71	50	-2.62	70	-2.25
11	0.85	31	-1.03	51	-2.66	71	-2.25
12	0.74	32	-0.93	52	-2.65	72	-2.43
13	0.63	33	-0.96	53	-2.70	73	-2.20
14	0.53	34	-0.95	54	-2.85	74	-2.45
15	0.42	35	-1.05	55	-2.86	75	-2.43
16	0.33	36	-1.14	56	-2.93	76	-2.76
17	0.30	37	-1.35	57	-3.05	77	-2.72
18	0.20	38	-1.76	58	-3.00	78	-2.81
19	0.10	39	-2.04	59	-2.81	79	-2.96
20	0.05	40	-2.15	60	-2.64	80	-3.37

1	-0.07	6	-0.04	11	-0.06	16	0.07
2	-0.01	7	-0.05	12	-0.10	17	0.09
3	-0.01	8	-0.07	13	-0.01	18	0.08
4	-0.03	9	-0.05	14	0.02	19	0.04
5	-0.04	10	-0.03	15	0.03	20	0.05

5/31/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	-0.05	41	-2.40	61	-1.95
2	2.22	22	-0.13	42	-2.49	62	-1.91
3	2.03	23	-0.20	43	-2.59	63	-2.03
4	1.86	24	-0.24	44	-2.64	64	-2.15
5	1.68	25	-0.35	45	-2.70	65	-1.90
6	1.50	26	-0.44	46	-2.77	66	-2.09
7	1.35	27	-0.44	47	-2.87	67	-2.16
8	1.23	28	-0.56	48	-2.83	68	-2.30
9	1.12	29	-0.50	49	-2.77	69	-2.39
10	1.05	30	-0.61	50	-2.75	70	-2.39
11	1.05	31	-0.85	51	-2.75	71	-2.50
12	0.93	32	-0.80	52	-2.76	72	-2.60
13	0.83	33	-0.91	53	-2.49	73	-2.37
14	0.71	34	-1.05	54	-2.59	74	-2.33
15	0.59	35	-1.30	55	-2.64	75	-2.55
16	0.45	36	-1.58	56	-2.70	76	-2.85
17	0.35	37	-1.90	57	-2.87	77	-3.04
18	0.22	38	-1.96	58	-2.83	78	-3.00
19	0.15	39	-2.13	59	-2.77	79	-3.10
20	0.05	40	-2.29	60	-2.75	80	-3.27

1	-0.06	6	-0.08	11	0.0	16	0.10
2	-0.08	7	-0.11	12	0.05	17	0.15
3	-0.04	8	-0.14	13	0.06	18	0.28
4	-0.05	9	-0.21	14	0.05	19	0.37
5	-0.08	10	-0.24	15	0.09	20	0.43

6/ 7/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	-0.12	41	-2.68	61	-1.70
2	2.17	22	-0.10	42	-2.78	62	-1.85
3	1.98	23	-0.18	43	-2.74	63	-2.03
4	1.81	24	-0.25	44	-2.73	64	-2.59
5	1.65	25	-0.35	45	-2.65	65	-2.16
6	1.47	26	-0.41	46	-2.38	66	-1.90
7	1.32	27	-0.48	47	-2.98	67	-1.95
8	1.24	28	-0.51	48	-3.37	68	-2.06
9	1.14	29	-0.68	49	-3.06	69	-2.20
10	1.09	30	-0.93	50	-2.85	70	-2.34
11	1.05	31	-1.55	51	-2.40	71	-2.76
12	1.02	32	-1.19	52	-2.46	72	-3.04
13	0.95	33	-1.30	53	-2.62	73	-2.72
14	0.83	34	-1.29	54	-2.35	74	-2.54
15	0.72	35	-1.22	55	-2.29	75	-2.68
16	0.60	36	-1.21	56	-2.69	76	-2.79
17	0.42	37	-1.05	57	-2.73	77	-2.93
18	0.29	38	-1.06	58	-1.83	78	-3.04
19	0.17	39	-1.26	59	-1.64	79	-3.46
20	0.09	40	-2.06	60	-1.64	80	-3.59

1	-0.08	6	-0.06	11	-0.12	16	-0.03
2	-0.08	7	-0.11	12	-0.07	17	0.00
3	-0.06	8	-0.20	13	-0.04	18	0.01
4	-0.07	9	-0.23	14	-0.09	19	0.07
5	-0.10	10	-0.24	15	-0.06	20	0.13

6/14/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.11	21	0.0	41	-2.50	61	-1.81
2	1.93	22	-0.15	42	-1.85	62	-1.88
3	1.74	23	-0.25	43	-2.28	63	-1.95
4	1.59	24	-0.36	44	-2.65	64	-2.30
5	1.41	25	-0.44	45	-2.75	65	-2.05
6	1.36	26	-0.45	46	-2.80	66	-2.17
7	1.26	27	-0.45	47	-2.90	67	-2.26
8	1.16	28	-0.48	48	-3.14	68	-2.49
9	1.13	29	-0.65	49	-2.65	69	-2.53
10	1.10	30	-0.77	50	-2.55	70	-2.53
11	1.07	31	-0.90	51	-2.50	71	-2.67
12	1.08	32	-0.95	52	-2.45	72	-2.89
13	1.06	33	-1.05	53	-2.44	73	-2.67
14	1.08	34	-1.17	54	-2.30	74	-2.81
15	1.12	35	-1.26	55	-1.94	75	-2.91
16	0.92	36	-1.40	56	-2.01	76	-3.09
17	0.56	37	-1.67	57	-1.80	77	-3.10
18	0.38	38	-1.83	58	-1.55	78	-3.17
19	0.20	39	-1.87	59	-1.60	79	-3.21
20	0.10	40	-2.14	60	-1.73	80	-3.40

1	-0.21	6	-0.27	11	0.09	16	0.22
2	-0.23	7	-0.28	12	0.10	17	0.29
3	-0.23	8	-0.26	13	0.12	18	0.33
4	-0.23	9	-0.27	14	0.15	19	0.33
5	-0.27	10	-0.26	15	0.18	20	0.41

6/21/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	0.22	41	-2.36	61	-2.05
2	2.46	22	0.20	42	-1.64	62	-2.24
3	1.91	23	-0.03	43	-1.41	63	-2.45
4	1.74	24	-0.20	44	-1.75	64	-2.55
5	1.59	25	-0.39	45	-2.06	65	-2.15
6	1.45	26	-0.66	46	-2.20	66	-2.45
7	1.28	27	-0.85	47	-2.56	67	-2.50
8	1.17	28	-0.86	48	-2.92	68	-2.64
9	1.08	29	-1.00	49	-2.70	69	-2.72
10	1.04	30	-1.15	50	-2.55	70	-2.86
11	1.02	31	-1.54	51	-2.17	71	-3.02
12	1.02	32	-1.66	52	-1.65	72	-3.15
13	1.04	33	-1.81	53	-1.50	73	-2.68
14	1.12	34	-1.84	54	-1.50	74	-2.85
15	1.13	35	-1.89	55	-1.58	75	-3.05
16	1.05	36	-1.92	56	-1.78	76	-3.23
17	0.90	37	-1.90	57	-1.55	77	-3.23
18	0.76	38	-1.83	58	-1.68	78	-3.34
19	0.59	39	-1.78	59	-1.95	79	-3.50
20	0.40	40	-2.25	60	-2.84	80	-3.62

1	0.18	6	0.18	11	0.20	16	0.19
2	0.17	7	0.21	12	0.22	17	0.29
3	0.19	8	0.29	13	0.20	18	0.28
4	0.10	9	0.31	14	0.16	19	0.36
5	0.11	10	0.24	15	0.16	20	0.40

6/28/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.30	41	-2.20	61	-2.15
2	2.19	22	-0.10	42	-1.88	62	-2.30
3	2.02	23	-0.35	43	-2.09	63	-2.47
4	1.80	24	-0.55	44	-2.03	64	-2.56
5	1.65	25	-0.70	45	-2.21	65	-2.30
6	1.47	26	-0.90	46	-2.30	66	-2.35
7	1.33	27	-1.06	47	-2.56	67	-2.61
8	1.22	28	-1.20	48	-2.76	68	-2.66
9	1.12	29	-1.51	49	-2.23	69	-2.75
10	1.12	30	-1.45	50	-1.68	70	-2.83
11	1.10	31	-1.69	51	-1.55	71	-2.93
12	1.14	32	-1.45	52	-1.58	72	-3.20
13	1.17	33	-1.43	53	-1.55	73	-2.87
14	1.22	34	-1.35	54	-1.74	74	-2.81
15	1.26	35	-1.95	55	-1.76	75	-3.03
16	1.38	36	-1.95	56	-1.94	76	-3.17
17	1.34	37	-1.92	57	-1.76	77	-3.25
18	1.13	38	-2.05	58	-1.82	78	-3.33
19	0.90	39	-1.96	59	-1.98	79	-3.44
20	0.66	40	-2.10	60	-2.18	80	-3.65

1	0.80	6	0.82	11	0.95	16	1.22
2	0.86	7	0.96	12	1.04	17	1.35
3	0.77	8	1.00	13	0.99	18	1.29
4	0.77	9	1.03	14	1.22	19	1.38
5	0.81	10	0.94	15	1.14	20	1.31

7/ 5/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.10	41	-2.10	61	-2.50
2	2.17	22	-0.20	42	-1.90	62	-2.35
3	1.99	23	-0.97	43	-2.05	63	-2.62
4	1.81	24	-1.00	44	-2.05	64	-2.76
5	1.64	25	-0.95	45	-2.10	65	-2.45
6	1.45	26	-1.05	46	-1.95	66	-2.50
7	1.31	27	-1.17	47	-1.86	67	-2.72
8	1.21	28	-1.12	48	-2.10	68	-2.70
9	1.11	29	-1.10	49	-1.35	69	-2.65
10	1.09	30	-1.45	50	-1.52	70	-2.83
11	1.12	31	-1.80	51	-1.67	71	-3.04
12	1.14	32	-1.42	52	-1.94	72	-3.20
13	1.18	33	-1.25	53	-1.78	73	-2.74
14	1.23	34	-1.85	54	-1.92	74	-2.82
15	1.30	35	-1.62	55	-2.06	75	-3.10
16	1.35	36	-1.90	56	-2.20	76	-3.12
17	1.05	37	-1.67	57	-1.93	77	-3.20
18	0.77	38	-1.97	58	-2.06	78	-3.35
19	0.54	39	-2.05	59	-2.12	79	-3.52
20	0.37	40	-2.17	60	-2.25	80	-3.60

1	0.54	6	0.51	11	0.65	16	0.89
2	0.61	7	0.65	12	0.68	17	0.90
3	0.67	8	0.74	13	0.70	18	0.95
4	0.61	9	0.81	14	0.68	19	0.86
5	0.59	10	0.75	15	0.86	20	1.07

7/12/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	-0.50	41	-1.45	61	-2.50
2	2.86	22	-0.65	42	-1.60	62	-2.52
3	1.99	23	-0.75	43	-1.70	63	-2.54
4	1.80	24	-0.78	44	-1.77	64	-2.90
5	1.63	25	-0.80	45	-1.83	65	-2.46
6	1.45	26	-0.82	46	-1.87	66	-2.50
7	1.32	27	-0.86	47	-1.82	67	-2.65
8	1.20	28	-0.91	48	-2.27	68	-2.77
9	1.40	29	-0.96	49	-1.69	69	-2.87
10	1.46	30	-1.10	50	-1.75	70	-3.00
11	1.51	31	-1.66	51	-2.08	71	-3.05
12	1.53	32	-1.34	52	-1.75	72	-3.17
13	1.18	33	-1.25	53	-1.97	73	-2.85
14	0.88	34	-1.60	54	-2.05	74	-2.86
15	0.61	35	-1.65	55	-2.10	75	-3.04
16	0.39	36	-1.70	56	-2.43	76	-3.12
17	0.21	37	-1.71	57	-2.18	77	-3.24
18	0.04	38	-2.07	58	-2.15	78	-3.41
19	-0.19	39	-2.06	59	-2.40	79	-3.26
20	-0.30	40	-2.22	60	-2.34	80	-3.65

1	-0.11	6	0.26	11	-0.07	16	0.46
2	-0.05	7	0.32	12	0.05	17	0.60
3	0.00	8	0.42	13	0.20	18	0.68
4	0.08	9	0.54	14	0.29	19	0.78
5	0.17	10	0.62	15	0.38	20	0.82

7/19/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	-0.34	41	-2.15	61	-2.21
2	2.14	22	-0.23	42	-2.32	62	-2.65
3	2.60	23	-0.30	43	-2.47	63	-2.79
4	1.79	24	-0.37	44	-2.42	64	-3.47
5	1.69	25	-0.48	45	-2.40	65	-3.56
6	1.58	26	-0.56	46	-2.39	66	-3.27
7	1.49	27	-0.72	47	-2.35	67	-3.05
8	1.47	28	-0.75	48	-2.33	68	-2.65
9	1.42	29	-0.86	49	-2.30	69	-2.73
10	1.32	30	-1.02	50	-2.14	70	-2.90
11	1.04	31	-1.13	51	-2.25	71	-3.56
12	0.92	32	-1.03	52	-2.27	72	-3.96
13	0.74	33	-1.07	53	-2.32	73	-3.98
14	0.53	34	-1.09	54	-2.40	74	-3.91
15	0.42	35	-1.11	55	-2.37	75	-3.72
16	0.31	36	-1.21	56	-2.57	76	-3.76
17	0.27	37	-1.54	57	-2.62	77	-3.77
18	0.18	38	-1.80	58	-2.80	78	-3.83
19	0.07	39	-1.86	59	-2.82	79	-3.90
20	-0.06	40	-2.01	60	-2.52	80	-3.97
1	-0.41	6	-0.27	11	-0.32	16	-0.18
2	-0.34	7	-0.30	12	-0.28	17	-0.12
3	-0.30	8	-0.34	13	-0.23	18	-0.37
4	-0.26	9	-0.42	14	-0.44	19	-0.40
5	-0.33	10	-0.42	15	-0.27	20	-0.44

7/26/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	-1.22	41	-2.72	61	-2.30
2	2.23	22	-1.26	42	-2.06	62	-2.32
3	2.90	23	-1.35	43	-2.14	63	-2.37
4	1.92	24	-1.46	44	-2.32	64	-2.56
5	1.81	25	-1.54	45	-2.48	65	-2.30
6	1.63	26	-1.57	46	-2.60	66	-2.01
7	1.48	27	-1.61	47	-2.54	67	-2.11
8	1.36	28	-1.71	48	-2.87	68	-2.37
9	1.30	29	-1.78	49	-2.11	69	-2.52
10	1.20	30	-1.80	50	-2.23	70	-2.97
11	1.06	31	-1.15	51	-2.35	71	-2.98
12	0.89	32	-0.97	52	-2.40	72	-3.13
13	0.74	33	-0.96	53	-2.36	73	-2.80
14	0.59	34	-1.05	54	-2.65	74	-2.66
15	0.44	35	-1.03	55	-2.82	75	-3.22
16	0.36	36	-1.24	56	-3.02	76	-3.06
17	0.23	37	-1.31	57	-2.90	77	-3.26
18	0.13	38	-2.06	58	-2.23	78	-3.67
19	0.0	39	-2.20	59	-2.28	79	-3.81
20	-0.11	40	-2.44	60	-2.30	80	-3.97
1	0.21	6	0.15	11	0.28	16	0.47
2	0.18	7	0.16	12	0.34	17	0.54
3	0.17	8	0.13	13	0.36	18	0.57
4	0.20	9	0.14	14	0.38	19	0.61
5	0.18	10	0.10	15	0.41	20	0.71

8/ 1/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.15	21	-0.04	41	-2.37	61	-2.30
2	2.12	22	-0.10	42	-2.16	62	-2.32
3	2.43	23	-0.16	43	-2.20	63	-2.36
4	1.86	24	-0.23	44	-2.33	64	-2.60
5	1.73	25	-0.25	45	-2.23	65	-2.20
6	1.56	26	-0.36	46	-2.43	66	-2.18
7	1.43	27	-0.43	47	-2.49	67	-2.50
8	1.30	28	-0.50	48	-2.70	68	-2.34
9	1.26	29	-0.52	49	-2.25	69	-2.60
10	1.17	30	-0.60	50	-2.08	70	-2.73
11	1.09	31	-1.03	51	-2.10	71	-2.86
12	1.04	32	-0.83	52	-2.23	72	-3.25
13	0.99	33	-1.09	53	-2.33	73	-2.83
14	0.93	34	-0.94	54	-2.35	74	-2.88
15	0.83	35	-1.85	55	-2.50	75	-3.09
16	0.68	36	-1.63	56	-2.80	76	-3.16
17	0.59	37	-1.63	57	-2.30	77	-3.37
18	0.43	38	-1.83	58	-2.22	78	-3.54
19	0.26	39	-2.16	59	-2.20	79	-3.81
20	0.12	40	-2.55	60	-2.26	80	-3.90
1	0.08	6	-0.18	11	0.14	16	0.33
2	-0.04	7	-0.26	12	0.16	17	0.43
3	-0.01	8	-0.20	13	0.32	18	0.63
4	-0.07	9	-0.31	14	0.29	19	0.57
5	-0.08	10	-0.26	15	0.22	20	0.58

8/ 9/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.11	21	0.0	41	-2.44	61	-2.22
2	2.66	22	-0.03	42	-2.39	62	-2.40
3	1.92	23	-0.08	43	-2.39	63	-2.55
4	1.79	24	-0.12	44	-2.39	64	-2.74
5	1.61	25	-0.17	45	-2.45	65	-2.36
6	1.49	26	-0.25	46	-2.53	66	-2.47
7	1.37	27	-0.35	47	-2.55	67	-2.70
8	1.33	28	-0.44	48	-2.71	68	-2.62
9	1.29	29	-0.53	49	-2.27	69	-2.84
10	1.26	30	-0.64	50	-2.20	70	-3.08
11	1.18	31	-0.84	51	-2.44	71	-3.17
12	1.05	32	-0.88	52	-2.23	72	-3.37
13	0.92	33	-1.03	53	-2.50	73	-2.92
14	0.77	34	-1.23	54	-2.44	74	-2.95
15	0.59	35	-1.46	55	-2.44	75	-3.36
16	0.60	36	-1.52	56	-2.70	76	-3.37
17	0.45	37	-1.77	57	-2.30	77	-3.39
18	0.32	38	-2.02	58	-1.80	78	-3.70
19	0.20	39	-2.16	59	-1.74	79	-3.75
20	0.11	40	-2.40	60	-1.85	80	-3.90
1	0.18	6	0.17	11	0.27	16	0.23
2	0.17	7	0.17	12	0.22	17	0.24
3	0.15	8	0.16	13	0.19	18	0.23
4	0.15	9	0.17	14	0.20	19	0.23
5	0.17	10	0.17	15	0.23	20	0.24

8/16/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.16	21	-0.53	41	-2.78	61	-2.04
2	2.63	22	-0.81	42	-2.80	62	-2.04
3	1.87	23	-0.87	43	-2.76	63	-2.28
4	1.76	24	-0.89	44	-2.76	64	-2.74
5	1.65	25	-1.05	45	-2.52	65	-2.86
6	1.58	26	-1.13	46	-2.43	66	-2.73
7	1.53	27	-1.39	47	-2.39	67	-2.73
8	1.35	28	-1.58	48	-2.74	68	-3.03
9	1.23	29	-1.54	49	-1.71	69	-3.12
10	1.09	30	-1.71	50	-1.86	70	-3.52
11	0.94	31	-1.80	51	-1.80	71	-3.47
12	0.79	32	-1.96	52	-1.68	72	-3.98
13	0.65	33	-1.93	53	-1.64	73	-4.09
14	0.47	34	-1.88	54	-1.86	74	-4.18
15	0.38	35	-1.77	55	-2.33	75	-3.32
16	0.41	36	-1.85	56	-2.40	76	-3.52
17	0.23	37	-1.78	57	-2.54	77	-3.76
18	0.12	38	-1.99	58	-2.05	78	-4.09
19	-0.01	39	-2.28	59	-2.02	79	-4.32
20	-0.12	40	-2.53	60	-2.10	80	-4.69
1	0.54	6	0.39	11	0.41	16	0.57
2	0.59	7	0.09	12	0.40	17	0.63
3	0.55	8	0.17	13	0.45	18	0.73
4	0.47	9	0.28	14	0.45	19	0.78
5	0.42	10	0.20	15	0.51	20	0.76

8/23/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.19	21	-0.71	41	-2.40	61	-1.70
2	2.75	22	-0.62	42	-1.75	62	-1.82
3	1.87	23	-0.70	43	-1.81	63	-2.19
4	1.76	24	-0.80	44	-1.90	64	-2.40
5	1.68	25	-0.80	45	-1.92	65	-2.23
6	1.65	26	-0.89	46	-1.95	66	-2.07
7	1.60	27	-1.49	47	-2.02	67	-2.17
8	1.58	28	-1.56	48	-2.02	68	-2.40
9	1.57	29	-1.57	49	-1.74	69	-2.77
10	1.37	30	-1.80	50	-1.38	70	-2.66
11	1.00	31	-2.00	51	-1.41	71	-3.10
12	0.77	32	-1.99	52	-1.31	72	-3.25
13	0.58	33	-2.04	53	-1.25	73	-3.13
14	0.42	34	-1.92	54	-1.30	74	-3.12
15	0.21	35	-2.01	55	-1.36	75	-3.32
16	0.25	36	-2.02	56	-1.70	76	-3.44
17	0.06	37	-1.89	57	-1.53	77	-3.63
18	-0.10	38	-1.95	58	-1.36	78	-4.00
19	-0.21	39	-2.10	59	-1.42	79	-4.05
20	-0.35	40	-2.10	60	-1.55	80	-4.35
1	-0.39	6	-0.13	11	-0.47	16	-0.37
2	-0.29	7	-0.15	12	-0.48	17	-0.27
3	-0.20	8	-0.14	13	-0.41	18	-0.56
4	-0.15	9	-0.11	14	-0.34	19	-0.26
5	-0.14	10	-0.10	15	-0.39	20	-0.14

8/30/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.16	21	-0.35	41	-2.30	61	-1.98
2	2.71	22	-0.28	42	-1.89	62	-2.00
3	1.87	23	-0.35	43	-1.78	63	-2.20
4	1.77	24	-0.45	44	-1.85	64	-2.38
5	1.68	25	-0.58	45	-1.59	65	-2.45
6	1.64	26	-0.66	46	-1.13	66	-2.27
7	1.61	27	-0.70	47	-1.02	67	-2.40
8	1.59	28	-0.78	48	-1.64	68	-2.58
9	1.58	29	-0.86	49	-1.21	69	-2.76
10	1.44	30	-1.29	50	-1.04	70	-2.90
11	1.22	31	-1.80	51	-1.12	71	-2.87
12	1.02	32	-1.22	52	-1.15	72	-3.40
13	0.86	33	-1.03	53	-1.21	73	-3.30
14	0.70	34	-1.15	54	-1.36	74	-3.32
15	0.50	35	-1.45	55	-1.44	75	-3.50
16	0.49	36	-1.54	56	-1.92	76	-3.45
17	0.34	37	-1.59	57	-1.92	77	-3.68
18	0.18	38	-1.46	58	-1.67	78	-3.93
19	0.04	39	-1.85	59	-1.70	79	-3.95
20	-0.10	40	-2.17	60	-1.85	80	-4.17
1	-0.09	6	0.07	11	-0.09	16	0.10
2	-0.02	7	0.03	12	-0.09	17	0.15
3	0.01	8	0.12	13	-0.00	18	0.13
4	-0.02	9	0.10	14	0.02	19	0.14
5	0.02	10	-0.01	15	0.03	20	0.15

9/ 6/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.15	21	0.16	41	-1.35	61	-1.95
2	2.25	22	0.08	42	-0.92	62	-2.17
3	2.03	23	-0.05	43	-0.87	63	-2.55
4	1.81	24	-0.17	44	-0.95	64	-2.90
5	1.70	25	-0.34	45	-1.00	65	-2.85
6	1.66	26	-0.45	46	-1.08	66	-2.60
7	1.65	27	-0.65	47	-1.23	67	-2.75
8	1.61	28	-1.14	48	-1.50	68	-3.10
9	1.61	29	-1.12	49	-1.39	69	-3.44
10	1.59	30	-1.40	50	-1.33	70	-3.60
11	1.45	31	-1.04	51	-1.34	71	-3.67
12	1.25	32	-1.35	52	-1.43	72	-3.90
13	1.06	33	-1.00	53	-1.41	73	-3.60
14	0.89	34	-0.80	54	-1.48	74	-3.65
15	0.69	35	-0.78	55	-1.60	75	-3.72
16	0.73	36	-0.77	56	-1.95	76	-3.85
17	0.63	37	-0.77	57	-2.15	77	-4.15
18	0.52	38	-0.78	58	-1.76	78	-4.24
19	0.39	39	-0.80	59	-1.77	79	-4.15
20	0.28	40	-1.04	60	-1.85	80	-4.50
1	0.24	6	-0.17	11	0.23	16	-0.23
2	0.25	7	-0.31	12	0.15	17	-0.29
3	0.16	8	-0.38	13	0.04	18	-0.38
4	0.16	9	-0.48	14	-0.03	19	-0.35
5	0.02	10	-0.67	15	-0.12	20	-0.45

9/13/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	0.18	41	-0.95	61	-2.70
2	2.71	22	0.0	42	-0.70	62	-2.94
3	1.91	23	-0.10	43	-0.72	63	-2.94
4	1.78	24	-0.22	44	-0.76	64	-3.06
5	1.72	25	-0.60	45	-0.75	65	-3.00
6	1.66	26	-0.81	46	-0.94	66	-3.10
7	1.66	27	-0.95	47	-1.15	67	-3.20
8	1.64	28	-1.00	48	-1.40	68	-3.10
9	1.63	29	-1.05	49	-1.31	69	-3.45
10	1.56	30	-1.15	50	-1.22	70	-3.65
11	1.41	31	-1.22	51	-1.35	71	-3.70
12	1.29	32	-0.60	52	-1.62	72	-3.85
13	1.22	33	-0.55	53	-1.63	73	-3.60
14	1.17	34	-0.60	54	-1.86	74	-3.55
15	1.04	35	-0.63	55	-2.02	75	-3.70
16	1.05	36	-0.67	56	-2.40	76	-3.89
17	0.91	37	-0.67	57	-2.15	77	-3.95
18	0.76	38	-0.65	58	-2.15	78	-3.86
19	0.59	39	-0.60	59	-2.30	79	-4.10
20	0.39	40	-0.62	60	-2.42	80	-4.25

1	-0.04	6	-0.62	11	0.22	16	0.21
2	-0.08	7	-0.65	12	0.30	17	-0.03
3	-0.16	8	-0.72	13	0.18	18	-0.08
4	-0.57	9	-0.76	14	0.20	19	-0.19
5	-0.58	10	-0.72	15	0.15	20	-0.23

9/20/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	0.32	41	-1.00	61	-2.99
2	2.34	22	0.20	42	-0.79	62	-2.96
3	1.86	23	0.04	43	-0.85	63	-3.11
4	1.76	24	-0.11	44	-0.98	64	-3.12
5	1.69	25	-0.27	45	-1.00	65	-3.04
6	1.64	26	-0.33	46	-1.10	66	-3.17
7	1.61	27	-0.31	47	-1.52	67	-3.36
8	1.58	28	-0.37	48	-1.65	68	-3.53
9	1.59	29	-0.37	49	-1.45	69	-3.54
10	1.52	30	-0.46	50	-1.56	70	-3.64
11	1.36	31	-0.55	51	-1.70	71	-3.66
12	1.24	32	-0.28	52	-1.86	72	-3.73
13	1.19	33	-0.32	53	-2.14	73	-3.55
14	1.18	34	-0.36	54	-2.39	74	-3.75
15	1.15	35	-0.42	55	-2.54	75	-3.65
16	1.12	36	-0.45	56	-2.71	76	-3.76
17	1.05	37	-0.51	57	-2.80	77	-3.89
18	0.89	38	-0.55	58	-2.80	78	-3.91
19	0.63	39	-0.59	59	-2.76	79	-4.01
20	0.42	40	-0.75	60	-2.86	80	-4.08

1	0.06	6	-0.88	11	0.34	16	0.36
2	-0.14	7	-0.50	12	0.48	17	0.23
3	-0.37	8	-0.23	13	0.51	18	0.14
4	-0.56	9	0.05	14	0.51	19	-0.05
5	-0.90	10	0.19	15	0.44	20	-0.23

9/27/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.23	41	-0.70	61	-2.85
2	2.01	22	0.18	42	-1.23	62	-3.27
3	1.86	23	0.06	43	-0.97	63	-3.40
4	1.77	24	-0.02	44	-0.93	64	-3.80
5	1.68	25	-0.08	45	-0.92	65	-3.38
6	1.66	26	-0.14	46	-1.03	66	-3.41
7	1.63	27	-0.22	47	-1.35	67	-3.37
8	1.59	28	-0.27	48	-1.55	68	-3.56
9	1.56	29	-0.51	49	-1.20	69	-3.74
10	1.51	30	-0.74	50	-1.29	70	-3.85
11	1.45	31	-1.15	51	-1.37	71	-3.93
12	1.30	32	-0.70	52	-1.50	72	-3.93
13	1.16	33	-0.56	53	-1.62	73	-3.85
14	1.01	34	-0.59	54	-1.85	74	-3.85
15	0.87	35	-0.66	55	-2.12	75	-3.92
16	0.90	36	-0.75	56	-2.57	76	-4.00
17	0.79	37	-0.80	57	-2.43	77	-4.04
18	0.65	38	-0.80	58	-2.40	78	-4.10
19	0.53	39	-0.84	59	-2.47	79	-4.13
20	0.40	40	-0.73	60	-2.67	80	-4.20

1	0.08	6	-0.20	11	0.24	16	0.24
2	0.02	7	-0.20	12	0.22	17	0.25
3	-0.06	8	-0.14	13	0.24	18	0.26
4	-0.08	9	-0.09	14	0.26	19	0.27
5	-0.20	10	-0.05	15	0.25	20	0.35

10/ 4/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	-0.26	41	-2.33	61	-3.50
2	2.22	22	-0.19	42	-2.22	62	-3.56
3	2.73	23	-0.20	43	-2.44	63	-3.50
4	1.94	24	-0.25	44	-2.60	64	-3.45
5	1.86	25	-0.30	45	-2.70	65	-3.00
6	1.82	26	-0.35	46	-2.90	66	-2.86
7	1.59	27	-0.45	47	-3.00	67	-2.66
8	1.39	28	-0.46	48	-3.24	68	-2.50
9	1.18	29	-0.54	49	-3.20	69	-2.49
10	1.01	30	-0.61	50	-3.25	70	-2.22
11	0.79	31	-0.95	51	-3.21	71	-2.35
12	0.66	32	-0.78	52	-3.27	72	-2.95
13	0.58	33	-0.85	53	-3.16	73	-2.75
14	0.43	34	-0.90	54	-3.33	74	-2.30
15	0.21	35	-0.87	55	-3.40	75	-2.34
16	0.20	36	-1.00	56	-3.49	76	-2.50
17	0.27	37	-1.09	57	-3.59	77	-2.80
18	0.18	38	-1.30	58	-3.45	78	-3.18
19	0.12	39	-2.00	59	-3.57	79	-3.65
20	0.01	40	-2.10	60	-3.25	80	-4.40

1	-0.25	6	-0.18	11	-0.05	16	-0.17
2	-0.17	7	-0.09	12	-0.14	17	-0.05
3	-0.06	8	0.03	13	-0.17	18	0.08
4	0.04	9	-0.11	14	-0.22	19	0.10
5	-0.04	10	-0.14	15	-0.15	20	-0.05

10/11/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.08	21	-0.40	41	-1.96	61	-3.65
2	1.89	22	-0.39	42	-2.33	62	-3.83
3	1.71	23	-0.45	43	-1.63	63	-3.90
4	1.53	24	-0.50	44	-1.65	64	-3.91
5	1.37	25	-0.62	45	-1.87	65	-3.68
6	1.19	26	-0.65	46	-2.05	66	-3.73
7	1.05	27	-0.67	47	-2.68	67	-3.84
8	0.92	28	-0.70	48	-3.39	68	-3.81
9	0.76	29	-0.70	49	-3.32	69	-3.95
10	0.65	30	-0.90	50	-3.40	70	-4.05
11	0.51	31	-1.48	51	-3.52	71	-4.02
12	0.37	32	-1.67	52	-3.55	72	-4.15
13	0.24	33	-1.64	53	-3.65	73	-4.00
14	0.14	34	-1.73	54	-3.58	74	-4.09
15	-0.07	35	-1.49	55	-3.68	75	-4.13
16	0.01	36	-1.33	56	-3.80	76	-3.86
17	0.03	37	-1.18	57	-3.56	77	-3.79
18	-0.03	38	-1.37	58	-3.70	78	-3.61
19	-0.10	39	-1.41	59	-3.82	79	-3.94
20	-0.17	40	-1.64	60	-3.82	80	-4.00
1	-0.28	6	-0.12	11	-0.31	16	-0.21
2	-0.21	7	-0.04	12	-0.31	17	-0.19
3	-0.26	8	-0.03	13	-0.23	18	-0.15
4	-0.16	9	-0.06	14	-0.20	19	-0.12
5	-0.13	10	-0.07	15	-0.27	20	-0.16

10/18/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.02	21	-0.45	41	-2.40	61	-3.04
2	1.85	22	-0.33	42	-1.83	62	-3.40
3	1.68	23	-0.35	43	-1.60	63	-3.53
4	1.51	24	-0.40	44	-1.69	64	-3.63
5	1.44	25	-0.47	45	-2.09	65	-3.70
6	1.36	26	-0.78	46	-2.57	66	-3.64
7	1.27	27	-0.77	47	-2.70	67	-3.65
8	1.15	28	-0.95	48	-3.35	68	-3.50
9	1.05	29	-0.95	49	-3.00	69	-3.41
10	0.89	30	-1.00	50	-2.69	70	-3.29
11	0.66	31	-1.63	51	-2.80	71	-3.26
12	0.60	32	-1.00	52	-2.45	72	-3.59
13	0.49	33	-1.10	53	-2.22	73	-3.14
14	0.31	34	-1.21	54	-1.86	74	-2.57
15	0.16	35	-1.31	55	-2.03	75	-2.27
16	0.17	36	-1.60	56	-3.02	76	-2.28
17	0.22	37	-1.51	57	-3.06	77	-2.24
18	0.11	38	-1.30	58	-2.36	78	-2.51
19	-0.03	39	-1.59	59	-2.37	79	-2.63
20	-0.15	40	-1.84	60	-2.62	80	-3.20
1	0.23	6	0.25	11	0.27	16	0.32
2	0.23	7	0.32	12	0.27	17	0.40
3	0.27	8	0.38	13	0.28	18	0.45
4	0.34	9	0.42	14	0.29	19	0.54
5	0.32	10	0.40	15	0.30	20	0.55

10/24/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.02	21	-0.53	41	-2.50	61	-2.12
2	1.86	22	-1.15	42	-2.05	62	-2.15
3	1.69	23	-1.30	43	-1.86	63	-2.15
4	1.54	24	-1.38	44	-1.64	64	-2.40
5	1.44	25	-1.44	45	-1.94	65	-2.03
6	1.35	26	-1.45	46	-1.93	66	-2.25
7	1.30	27	-1.50	47	-2.07	67	-2.25
8	1.31	28	-1.64	48	-2.20	68	-2.45
9	1.35	29	-1.70	49	-1.90	69	-2.51
10	1.37	30	-1.80	50	-1.95	70	-2.75
11	1.23	31	-2.12	51	-2.02	71	-2.81
12	1.06	32	-1.96	52	-2.15	72	-3.08
13	0.90	33	-2.05	53	-2.14	73	-2.65
14	0.73	34	-2.10	54	-2.20	74	-2.70
15	0.50	35	-2.12	55	-2.30	75	-2.88
16	0.49	36	-2.11	56	-2.40	76	-3.04
17	0.31	37	-2.15	57	-1.90	77	-3.23
18	0.14	38	-2.10	58	-2.01	78	-3.35
19	-0.08	39	-2.23	59	-1.96	79	-3.55
20	-0.26	40	-2.42	60	-2.04	80	-3.75
1	-0.46	6	-0.69	11	-0.51	16	-0.25
2	-0.52	7	-0.60	12	-0.51	17	-0.23
3	-0.51	8	-0.71	13	-0.48	18	-0.13
4	-0.50	9	-0.70	14	-0.47	19	-0.08
5	-0.57	10	-0.71	15	-0.36	20	-0.12

11/ 1/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.08	21	-1.05	41	-2.61	61	-2.05
2	1.85	22	-1.00	42	-2.02	62	-2.15
3	1.67	23	-1.24	43	-1.86	63	-2.20
4	1.53	24	-1.43	44	-1.83	64	-2.25
5	1.43	25	-1.46	45	-1.61	65	-2.13
6	1.34	26	-1.46	46	-1.75	66	-2.23
7	1.30	27	-1.55	47	-1.97	67	-2.27
8	1.31	28	-1.67	48	-2.33	68	-2.37
9	1.36	29	-1.73	49	-1.90	69	-2.50
10	1.38	30	-1.85	50	-1.86	70	-2.65
11	1.28	31	-2.07	51	-1.93	71	-2.72
12	1.21	32	-2.01	52	-1.97	72	-2.87
13	0.86	33	-2.10	53	-2.02	73	-2.69
14	0.61	34	-2.15	54	-2.11	74	-2.76
15	0.39	35	-2.15	55	-2.13	75	-2.93
16	0.41	36	-2.12	56	-2.22	76	-3.07
17	0.37	37	-2.05	57	-1.96	77	-3.23
18	0.10	38	-2.10	58	-1.85	78	-3.35
19	-0.35	39	-2.15	59	-1.94	79	-3.49
20	-0.65	40	-2.25	60	-2.00	80	-3.46
1	0.39	6	0.18	11	0.47	16	0.59
2	0.35	7	0.33	12	0.53	17	0.65
3	0.33	8	0.33	13	0.53	18	0.65
4	0.37	9	0.23	14	0.69	19	0.70
5	-0.71	10	0.27	15	0.54	20	0.79

11/ 8/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.03	21	-1.50	41	-2.40	61	-2.07
2	1.85	22	-1.50	42	-1.80	62	-2.25
3	1.69	23	-1.47	43	-1.70	63	-2.38
4	1.55	24	-1.50	44	-1.75	64	-2.55
5	1.55	25	-1.50	45	-1.75	65	-2.03
6	1.57	26	-1.55	46	-1.96	66	-2.12
7	1.62	27	-1.64	47	-2.15	67	-2.35
8	1.56	28	-1.70	48	-2.21	68	-2.49
9	1.35	29	-1.80	49	-1.65	69	-2.65
10	1.26	30	-1.86	50	-1.88	70	-2.92
11	1.29	31	-2.10	51	-1.90	71	-3.05
12	1.09	32	-2.02	52	-1.79	72	-3.22
13	0.68	33	-1.95	53	-1.97	73	-2.72
14	0.43	34	-2.12	54	-1.92	74	-2.80
15	0.11	35	-2.18	55	-2.00	75	-2.88
16	0.11	36	-2.14	56	-2.27	76	-3.16
17	-0.07	37	-2.15	57	-1.72	77	-3.15
18	-0.25	38	-2.05	58	-1.71	78	-3.35
19	-0.79	39	-2.08	59	-1.88	79	-3.40
20	-1.00	40	-2.20	60	-1.96	80	-3.80

1	0.09	6	0.02	11	0.12	16	0.16
2	-0.00	7	0.06	12	0.15	17	0.20
3	0.03	8	0.15	13	0.10	18	0.15
4	0.08	9	-0.01	14	0.18	19	0.26
5	0.05	10	-0.02	15	0.17	20	0.42

11/15/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.06	21	-0.34	41	-2.07	61	-2.20
2	1.90	22	-0.60	42	-1.25	62	-2.23
3	1.76	23	-0.75	43	-1.16	63	-2.55
4	1.62	24	-0.85	44	-1.32	64	-2.64
5	1.47	25	-0.95	45	-1.45	65	-2.45
6	1.36	26	-1.10	46	-1.91	66	-2.30
7	1.24	27	-1.10	47	-2.23	67	-2.58
8	1.12	28	-1.15	48	-2.40	68	-2.70
9	1.02	29	-1.20	49	-2.05	69	-2.91
10	0.92	30	-1.23	50	-1.78	70	-3.15
11	0.82	31	-1.49	51	-1.81	71	-3.35
12	0.74	32	-0.93	52	-1.86	72	-3.58
13	0.69	33	-0.85	53	-1.90	73	-3.20
14	0.68	34	-0.97	54	-2.10	74	-3.12
15	0.57	35	-1.13	55	-2.30	75	-3.28
16	0.59	36	-1.25	56	-2.60	76	-3.50
17	0.55	37	-1.35	57	-2.05	77	-3.64
18	0.41	38	-1.42	58	-1.66	78	-3.85
19	0.25	39	-1.50	59	-1.70	79	-3.96
20	0.07	40	-1.77	60	-1.95	80	-4.20

1	0.73	6	0.40	11	0.62	16	0.25
2	0.60	7	0.40	12	0.43	17	0.30
3	0.53	8	0.40	13	0.44	18	0.13
4	0.56	9	0.41	14	0.37	19	0.13
5	0.47	10	0.38	15	0.35	20	0.31

11/22/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.08	21	-0.98	41	-2.68	61	-2.03
2	1.95	22	-1.00	42	-2.10	62	-2.01
3	1.83	23	-1.06	43	-1.80	63	-2.29
4	1.72	24	-1.21	44	-1.65	64	-2.36
5	1.55	25	-1.43	45	-1.70	65	-2.51
6	1.39	26	-1.56	46	-1.85	66	-2.41
7	1.27	27	-1.45	47	-2.09	67	-2.37
8	1.18	28	-1.45	48	-2.86	68	-2.25
9	1.15	29	-1.70	49	-2.80	69	-2.38
10	1.21	30	-2.00	50	-2.64	70	-2.56
11	1.27	31	-2.01	51	-2.50	71	-2.62
12	1.06	32	-1.54	52	-2.28	72	-3.30
13	0.84	33	-1.37	53	-2.39	73	-3.49
14	0.64	34	-1.40	54	-2.50	74	-3.32
15	0.49	35	-1.35	55	-2.48	75	-3.56
16	0.52	36	-1.29	56	-2.65	76	-3.60
17	0.24	37	-1.23	57	-2.73	77	-3.73
18	0.15	38	-1.30	58	-1.96	78	-3.75
19	-0.08	39	-1.41	59	-1.82	79	-3.90
20	-0.56	40	-1.65	60	-2.05	80	-4.05

1	0.44	6	0.49	11	0.45	16	0.44
2	0.57	7	0.46	12	0.50	17	0.61
3	0.56	8	0.40	13	0.49	18	0.63
4	0.53	9	0.41	14	0.50	19	0.51
5	0.46	10	0.45	15	0.52	20	0.49

11/30/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.04	21	-1.80	41	-2.67	61	-1.83
2	1.96	22	-1.25	42	-1.86	62	-1.86
3	1.88	23	-1.20	43	-1.73	63	-2.00
4	1.80	24	-1.19	44	-1.68	64	-2.70
5	1.74	25	-1.25	45	-1.78	65	-2.56
6	1.76	26	-1.27	46	-1.75	66	-2.10
7	1.74	27	-1.30	47	-2.12	67	-2.03
8	1.45	28	-1.20	48	-3.08	68	-2.09
9	1.23	29	-1.21	49	-3.00	69	-2.18
10	1.04	30	-1.50	50	-2.00	70	-2.49
11	0.91	31	-2.26	51	-1.90	71	-2.99
12	0.82	32	-1.50	52	-1.91	72	-3.51
13	0.54	33	-1.38	53	-1.85	73	-3.78
14	0.28	34	-1.39	54	-1.96	74	-3.17
15	-0.03	35	-1.39	55	-2.27	75	-3.12
16	-0.01	36	-1.40	56	-3.18	76	-3.16
17	-0.52	37	-1.45	57	-3.22	77	-3.31
18	-0.90	38	-1.43	58	-2.22	78	-3.63
19	-1.12	39	-1.53	59	-1.93	79	-4.06
20	-1.20	40	-1.78	60	-1.86	80	-4.59

1	0.15	6	0.35	11	0.06	16	-0.10
2	0.14	7	0.40	12	0.12	17	-0.28
3	0.16	8	0.40	13	0.02	18	0.08
4	0.17	9	0.43	14	0.11	19	0.17
5	0.23	10	0.48	15	0.13	20	0.19

12/ 6/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	-0.22	41	-2.26	61	-1.83
2	2.09	22	-0.49	42	-1.92	62	-1.99
3	1.97	23	-0.60	43	-1.86	63	-2.07
4	1.88	24	-0.63	44	-2.12	64	-2.47
5	1.82	25	-0.76	45	-2.07	65	-2.18
6	1.74	26	-0.93	46	-2.21	66	-1.91
7	1.75	27	-1.02	47	-2.60	67	-2.05
8	1.56	28	-1.28	48	-3.00	68	-2.23
9	1.40	29	-1.35	49	-2.40	69	-2.15
10	1.14	30	-1.47	50	-2.00	70	-2.23
11	0.95	31	-2.07	51	-2.02	71	-2.62
12	0.80	32	-1.23	52	-2.10	72	-2.93
13	0.64	33	-1.07	53	-2.17	73	-2.72
14	0.48	34	-1.10	54	-2.56	74	-2.18
15	0.32	35	-1.15	55	-2.85	75	-2.32
16	0.32	36	-1.08	56	-2.93	76	-2.52
17	0.27	37	-1.13	57	-2.55	77	-3.23
18	0.17	38	-1.30	58	-2.08	78	-3.65
19	0.07	39	-1.32	59	-2.00	79	-3.82
20	0.0	40	-1.64	60	-1.98	80	-4.00

1	-0.24	6	-0.11	11	-0.22	16	-0.15
2	-0.18	7	-0.10	12	-0.12	17	-0.15
3	-0.18	8	-0.18	13	-0.20	18	-0.10
4	-0.11	9	-0.17	14	-0.17	19	-0.09
5	-0.13	10	-0.18	15	-0.14	20	-0.11

12/13/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.03	21	-0.50	41	-2.75	61	-2.85
2	1.95	22	-0.32	42	-2.24	62	-2.85
3	1.87	23	-0.45	43	-2.20	63	-2.83
4	1.80	24	-1.00	44	-2.26	64	-2.98
5	1.76	25	-1.20	45	-2.30	65	-2.84
6	1.78	26	-1.34	46	-2.25	66	-2.21
7	1.69	27	-1.68	47	-2.23	67	-1.94
8	1.51	28	-1.68	48	-2.88	68	-1.88
9	1.33	29	-1.45	49	-2.71	69	-1.96
10	1.11	30	-1.80	50	-2.15	70	-2.21
11	0.90	31	-2.08	51	-2.06	71	-2.73
12	0.74	32	-1.36	52	-2.17	72	-3.02
13	0.61	33	-1.26	53	-2.32	73	-2.81
14	0.44	34	-1.15	54	-2.40	74	-2.51
15	0.31	35	-1.15	55	-2.38	75	-2.61
16	0.30	36	-1.18	56	-2.58	76	-2.75
17	0.24	37	-1.49	57	-3.01	77	-2.97
18	0.08	38	-1.87	58	-3.01	78	-3.27
19	-0.02	39	-2.02	59	-2.96	79	-3.80
20	-0.08	40	-2.16	60	-2.88	80	-4.24

1	0.30	6	0.43	11	0.40	16	0.56
2	0.28	7	0.61	12	0.37	17	0.61
3	0.24	8	0.60	13	0.34	18	0.80
4	0.24	9	0.67	14	0.43	19	0.82
5	0.36	10	0.65	15	0.50	20	0.91

12/20/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.05	21	-0.18	41	-2.47	61	-2.42
2	1.98	22	-0.28	42	-2.11	62	-2.50
3	1.90	23	-0.33	43	-1.77	63	-2.67
4	1.87	24	-0.33	44	-1.63	64	-3.45
5	1.85	25	-0.41	45	-1.50	65	-2.75
6	1.85	26	-0.54	46	-1.62	66	-2.25
7	1.75	27	-0.60	47	-1.90	67	-2.06
8	1.45	28	-0.62	48	-2.86	68	-2.03
9	1.29	29	-0.75	49	-2.31	69	-2.03
10	1.13	30	-0.86	50	-2.14	70	-2.60
11	0.99	31	-1.55	51	-2.00	71	-2.21
12	0.85	32	-1.28	52	-1.83	72	-2.92
13	0.70	33	-1.11	53	-1.90	73	-3.00
14	0.50	34	-1.10	54	-2.05	74	-2.45
15	0.27	35	-1.10	55	-2.30	75	-2.50
16	0.30	36	-1.02	56	-3.32	76	-2.54
17	0.30	37	-1.02	57	-3.07	77	-2.80
18	0.16	38	-1.07	58	-2.80	78	-2.96
19	0.09	39	-1.32	59	-2.60	79	-3.25
20	-0.11	40	-2.09	60	-2.32	80	-4.00

1	-0.44	6	-0.35	11	-0.13	16	0.02
2	-0.51	7	-0.29	12	-0.15	17	0.03
3	-0.42	8	-0.13	13	-0.05	18	0.04
4	-0.36	9	-0.16	14	0.02	19	0.10
5	-0.33	10	-0.19	15	-0.00	20	-0.01

12/27/1979							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	-0.10	41	-2.04	61	-2.39
2	2.13	22	-0.18	42	-1.40	62	-2.56
3	2.02	23	-0.22	43	-1.18	63	-2.68
4	1.98	24	-0.37	44	-1.18	64	-2.80
5	1.96	25	-0.42	45	-1.44	65	-2.35
6	1.92	26	-0.41	46	-1.70	66	-2.29
7	1.81	27	-0.55	47	-1.95	67	-2.40
8	1.52	28	-0.68	48	-2.25	68	-2.39
9	1.35	29	-1.00	49	-1.55	69	-2.56
10	1.20	30	-1.10	50	-1.49	70	-2.85
11	1.07	31	-1.26	51	-1.59	71	-3.22
12	0.94	32	-1.36	52	-1.70	72	-3.43
13	0.70	33	-1.13	53	-1.96	73	-3.20
14	0.73	34	-1.15	54	-2.20	74	-3.02
15	0.64	35	-1.27	55	-2.45	75	-3.09
16	0.50	36	-1.50	56	-2.66	76	-3.19
17	0.36	37	-1.50	57	-2.40	77	-3.38
18	0.23	38	-1.36	58	-2.27	78	-3.68
19	0.11	39	-1.46	59	-2.25	79	-3.96
20	0.04	40	-1.77	60	-2.25	80	-4.15

1	-0.11	6	-0.05	11	-0.06	16	0.17
2	-0.13	7	-0.08	12	-0.03	17	0.18
3	-0.13	8	-0.03	13	0.01	18	0.23
4	-0.12	9	-0.01	14	0.09	19	0.24
5	-0.09	10	0.01	15	0.12	20	0.27

1/ 4/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	0.0	41	-2.13	61	-1.98
2	2.07	22	-0.04	42	-1.77	62	-2.12
3	2.01	23	-0.10	43	-1.56	63	-2.50
4	1.98	24	-0.18	44	-1.40	64	-3.34
5	1.95	25	-0.22	45	-1.42	65	-3.20
6	1.92	26	-0.28	46	-1.44	66	-2.57
7	1.76	27	-0.35	47	-1.67	67	-2.63
8	1.58	28	-0.40	48	-2.62	68	-2.76
9	1.43	29	-0.48	49	-2.52	69	-2.80
10	1.29	30	-0.77	50	-1.94	70	-2.76
11	1.16	31	-1.30	51	-1.62	71	-3.22
12	1.03	32	-1.21	52	-1.80	72	-3.39
13	0.92	33	-0.98	53	-1.75	73	-3.78
14	0.78	34	-0.98	54	-2.06	74	-3.46
15	0.64	35	-0.97	55	-2.15	75	-3.22
16	0.55	36	-0.95	56	-3.00	76	-3.40
17	0.46	37	-0.96	57	-2.85	77	-3.37
18	0.34	38	-1.08	58	-2.00	78	-3.50
19	0.23	39	-1.20	59	-1.89	79	-3.98
20	0.13	40	-1.24	60	-1.89	80	-4.42

1	-0.06	6	-0.06	11	0.04	16	0.17
2	-0.10	7	-0.07	12	0.12	17	0.19
3	-0.17	8	-0.07	13	0.11	18	0.26
4	-0.14	9	-0.04	14	0.17	19	0.29
5	-0.10	10	-0.06	15	0.18	20	0.30

1/10/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	-0.03	41	-2.15	61	-2.81
2	2.10	22	-0.03	42	-1.60	62	-2.89
3	2.05	23	-0.10	43	-1.25	63	-2.95
4	2.02	24	-0.22	44	-1.38	64	-3.13
5	1.96	25	-0.30	45	-1.65	65	-2.95
6	1.91	26	-0.48	46	-1.95	66	-3.01
7	1.73	27	-0.47	47	-2.15	67	-3.07
8	1.60	28	-0.57	48	-2.60	68	-3.20
9	1.44	29	-0.90	49	-2.12	69	-3.29
10	1.26	30	-0.94	50	-1.60	70	-3.43
11	1.14	31	-1.16	51	-1.79	71	-3.44
12	1.01	32	-0.95	52	-1.93	72	-3.65
13	0.87	33	-0.86	53	-2.08	73	-3.49
14	0.74	34	-0.93	54	-2.28	74	-3.36
15	0.60	35	-0.94	55	-2.56	75	-3.74
16	0.47	36	-0.90	56	-2.67	76	-3.63
17	0.35	37	-0.95	57	-2.52	77	-4.11
18	0.25	38	-1.02	58	-2.27	78	-4.15
19	0.15	39	-1.23	59	-2.53	79	-4.26
20	0.07	40	-1.67	60	-2.65	80	-4.60

1	-0.04	6	-0.05	11	-0.07	16	0.04
2	-0.08	7	-0.01	12	-0.09	17	0.06
3	-0.04	8	-0.01	13	-0.05	18	0.02
4	-0.01	9	-0.04	14	0.06	19	0.02
5	-0.02	10	-0.03	15	0.01	20	0.05

1/17/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.19	21	-0.16	41	-2.23	61	-2.42
2	2.08	22	-0.28	42	-1.53	62	-2.65
3	2.03	23	-0.41	43	-1.51	63	-2.67
4	2.00	24	-0.50	44	-1.51	64	-3.17
5	1.97	25	-0.53	45	-1.73	65	-2.48
6	1.91	26	-0.46	46	-2.00	66	-2.24
7	1.78	27	-0.42	47	-2.26	67	-2.28
8	1.60	28	-0.50	48	-2.52	68	-2.34
9	1.44	29	-0.65	49	-1.85	69	-2.76
10	1.30	30	-0.81	50	-1.75	70	-3.08
11	1.15	31	-1.18	51	-1.83	71	-3.53
12	0.99	32	-0.72	52	-1.92	72	-3.83
13	0.84	33	-0.82	53	-2.21	73	-3.18
14	0.69	34	-0.92	54	-2.45	74	-2.87
15	0.53	35	-1.00	55	-2.69	75	-3.08
16	0.36	36	-1.13	56	-2.90	76	-3.25
17	0.26	37	-1.24	57	-2.55	77	-3.32
18	0.16	38	-1.42	58	-2.13	78	-3.50
19	0.06	39	-1.80	59	-2.27	79	-3.77
20	0.01	40	-1.99	60	-2.07	80	-4.10

1	-0.20	6	-0.16	11	-0.20	16	-0.12
2	-0.18	7	-0.14	12	-0.22	17	-0.11
3	-0.20	8	-0.15	13	-0.19	18	-0.14
4	-0.20	9	-0.12	14	-0.16	19	-0.18
5	-0.16	10	-0.14	15	-0.13	20	-0.17

1/24/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	-0.50	41	-1.83	61	-2.04
2	2.10	22	-0.12	42	-1.25	62	-2.33
3	2.05	23	-0.16	43	-1.65	63	-2.47
4	2.01	24	-0.24	44	-1.70	64	-2.75
5	1.99	25	-0.31	45	-2.15	65	-2.35
6	1.94	26	-0.45	46	-1.95	66	-2.26
7	1.79	27	-0.64	47	-2.15	67	-2.29
8	1.61	28	-0.52	48	-2.40	68	-2.50
9	1.46	29	-0.76	49	-1.95	69	-2.75
10	1.30	30	-1.00	50	-1.87	70	-3.00
11	1.13	31	-1.10	51	-1.88	71	-3.32
12	0.99	32	-1.01	52	-1.90	72	-3.70
13	0.89	33	-1.09	53	-2.10	73	-3.06
14	0.76	34	-0.90	54	-2.17	74	-2.97
15	0.62	35	-0.89	55	-2.41	75	-2.99
16	0.48	36	-1.00	56	-2.56	76	-3.06
17	0.35	37	-1.10	57	-1.92	77	-3.29
18	0.25	38	-1.35	58	-1.75	78	-3.54
19	0.15	39	-1.53	59	-1.78	79	-3.78
20	0.06	40	-1.65	60	-1.80	80	-3.95

1	-0.10	6	-0.03	11	-0.04	16	0.06
2	-0.07	7	-0.04	12	-0.03	17	0.09
3	-0.07	8	-0.07	13	0.04	18	0.12
4	-0.08	9	-0.06	14	0.08	19	0.12
5	-0.06	10	-0.08	15	0.07	20	0.16

1/31/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	-0.12	41	-2.25	61	-2.46
2	2.11	22	-0.04	42	-2.25	62	-2.46
3	2.06	23	-0.05	43	-1.70	63	-2.86
4	2.02	24	-0.16	44	-1.52	64	-3.25
5	1.99	25	-0.25	45	-1.58	65	-3.13
6	1.91	26	-0.27	46	-1.75	66	-2.55
7	1.79	27	-0.45	47	-2.40	67	-2.42
8	1.66	28	-0.67	48	-2.64	68	-2.60
9	1.53	29	-0.74	49	-2.45	69	-2.59
10	1.37	30	-0.85	50	-2.20	70	-2.80
11	1.21	31	-1.06	51	-2.20	71	-3.13
12	0.99	32	-1.35	52	-2.05	72	-3.76
13	0.94	33	-1.04	53	-2.16	73	-3.58
14	0.75	34	-1.05	54	-2.24	74	-3.45
15	0.63	35	-1.10	55	-2.49	75	-3.25
16	0.50	36	-1.31	56	-2.90	76	-3.16
17	0.45	37	-1.41	57	-3.10	77	-3.24
18	0.35	38	-1.49	58	-2.80	78	-3.35
19	0.26	39	-1.70	59	-2.65	79	-3.90
20	0.25	40	-1.95	60	-2.48	80	-4.17

1	0.46	6	0.51	11	0.52	16	0.57
2	0.49	7	0.53	12	0.54	17	0.62
3	0.54	8	0.53	13	0.56	18	0.77
4	0.58	9	0.61	14	0.52	19	0.87
5	0.57	10	0.59	15	0.57	20	0.91

2/ 7/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.0	41	-2.14	61	-2.17
2	2.18	22	-0.14	42	-1.33	62	-2.70
3	2.05	23	-0.30	43	-1.21	63	-3.15
4	2.01	24	-0.46	44	-1.30	64	-3.50
5	1.99	25	-0.56	45	-1.46	65	-3.36
6	1.94	26	-0.86	46	-1.82	66	-2.70
7	1.83	27	-0.84	47	-2.10	67	-2.85
8	1.68	28	-1.16	48	-2.60	68	-3.10
9	1.52	29	-1.09	49	-1.92	69	-3.20
10	1.37	30	-1.20	50	-1.67	70	-3.34
11	1.27	31	-1.39	51	-1.73	71	-3.55
12	1.18	32	-1.54	52	-1.82	72	-4.10
13	1.05	33	-1.50	53	-2.20	73	-3.55
14	0.93	34	-1.72	54	-2.42	74	-3.15
15	0.83	35	-1.71	55	-2.54	75	-3.15
16	0.68	36	-1.70	56	-2.94	76	-3.20
17	0.60	37	-1.54	57	-2.76	77	-3.45
18	0.46	38	-1.18	58	-2.24	78	-3.70
19	0.30	39	-1.16	59	-2.20	79	-3.85
20	0.14	40	-1.78	60	-2.34	80	-4.15

1	-0.03	6	0.06	11	-0.04	16	0.25
2	0.03	7	0.05	12	0.01	17	0.36
3	0.05	8	0.03	13	0.10	18	0.42
4	-0.01	9	0.01	14	0.09	19	0.45
5	0.05	10	0.04	15	0.14	20	0.48

2/14/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.23	21	0.0	41	-2.01	61	-1.96
2	2.11	22	-0.11	42	-1.32	62	-2.00
3	2.04	23	-0.20	43	-1.45	63	-2.26
4	2.01	24	-0.36	44	-1.64	64	-2.84
5	1.97	25	-0.38	45	-1.85	65	-2.73
6	1.92	26	-0.45	46	-2.22	66	-2.50
7	1.81	27	-0.61	47	-2.38	67	-2.50
8	1.67	28	-0.67	48	-2.50	68	-2.63
9	1.52	29	-0.83	49	-1.91	69	-2.91
10	1.35	30	-1.03	50	-1.83	70	-3.38
11	1.25	31	-1.35	51	-1.79	71	-3.43
12	1.17	32	-0.80	52	-1.82	72	-3.79
13	1.12	33	-0.77	53	-1.80	73	-3.35
14	1.07	34	-0.81	54	-1.85	74	-3.08
15	1.02	35	-0.85	55	-2.04	75	-3.06
16	0.97	36	-0.89	56	-2.69	76	-3.13
17	0.79	37	-0.95	57	-2.51	77	-3.30
18	0.60	38	-1.00	58	-2.22	78	-3.68
19	0.39	39	-1.20	59	-1.03	79	-3.93
20	0.17	40	-1.66	60	-1.95	80	-3.90

1	-0.17	6	-0.47	11	0.06	16	0.44
2	-0.18	7	-0.25	12	0.16	17	0.52
3	-0.51	8	-0.02	13	0.22	18	0.68
4	-0.56	9	0.17	14	0.30	19	0.79
5	-0.62	10	0.29	15	0.37	20	0.68

2/21/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	0.14	41	-1.80	61	-2.40
2	2.08	22	0.05	42	-1.62	62	-2.35
3	2.05	23	-0.05	43	-1.36	63	-2.26
4	2.01	24	-0.13	44	-1.23	64	-3.02
5	1.98	25	-0.21	45	-1.39	65	-2.95
6	1.92	26	-0.30	46	-1.51	66	-2.30
7	1.81	27	-0.40	47	-1.60	67	-2.40
8	1.68	28	-0.48	48	-2.16	68	-2.43
9	1.49	29	-0.56	49	-2.08	69	-2.70
10	1.34	30	-0.65	50	-1.90	70	-2.65
11	1.24	31	-0.97	51	-1.90	71	-2.90
12	1.19	32	-0.79	52	-1.65	72	-2.79
13	1.14	33	-0.80	53	-1.80	73	-3.42
14	1.00	34	-0.76	54	-1.96	74	-2.90
15	0.88	35	-0.84	55	-2.01	75	-2.84
16	0.73	36	-0.84	56	-2.90	76	-2.85
17	0.66	37	-0.95	57	-3.05	77	-3.05
18	0.53	38	-0.98	58	-2.50	78	-3.21
19	0.38	39	-0.99	59	-2.25	79	-3.40
20	0.32	40	-1.36	60	-2.36	80	-3.88

1	-0.02	6	-0.08	11	0.13	16	0.45
2	-0.07	7	-0.01	12	0.19	17	0.58
3	-0.10	8	0.07	13	0.23	18	0.75
4	-0.16	9	0.08	14	0.30	19	0.89
5	-0.10	10	0.08	15	0.36	20	0.90

2/28/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.33	41	-1.98	61	-1.77
2	2.10	22	0.24	42	-1.83	62	-1.75
3	2.04	23	0.18	43	-1.27	63	-1.98
4	2.02	24	0.08	44	-1.33	64	-2.76
5	1.96	25	-0.01	45	-1.27	65	-2.40
6	1.94	26	-0.10	46	-1.42	66	-2.03
7	1.79	27	-0.21	47	-1.54	67	-2.07
8	1.68	28	-0.25	48	-2.54	68	-2.17
9	1.51	29	-0.36	49	-2.26	69	-2.34
10	1.35	30	-0.73	50	-1.67	70	-2.54
11	1.26	31	-0.26	51	-1.48	71	-2.78
12	1.19	32	-0.21	52	-1.49	72	-3.48
13	1.15	33	-0.82	53	-1.50	73	-3.16
14	1.04	34	-0.82	54	-1.66	74	-2.81
15	0.99	35	-0.80	55	-2.08	75	-2.85
16	0.92	36	-0.85	56	-2.77	76	-2.93
17	0.87	37	-0.82	57	-2.85	77	-3.07
18	0.72	38	-0.83	58	-2.31	78	-3.15
19	0.58	39	-0.95	59	-1.99	79	-3.36
20	0.49	40	-1.22	60	-1.85	80	-3.89

1	0.16	6	-0.02	11	0.34	16	0.70
2	0.14	7	-0.08	12	0.67	17	0.80
3	0.09	8	-0.04	13	0.69	18	0.88
4	0.01	9	-0.00	14	0.62	19	0.92
5	-0.07	10	0.06	15	0.56	20	0.86

3/ 6/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.23	21	0.24	41	-1.93	61	-2.36
2	2.11	22	0.14	42	-2.11	62	-2.10
3	2.06	23	0.04	43	-2.13	63	-2.10
4	2.02	24	-0.06	44	-2.01	64	-2.73
5	1.96	25	-0.16	45	-1.89	65	-2.50
6	1.91	26	-0.29	46	-1.71	66	-1.90
7	1.77	27	-0.35	47	-1.90	67	-1.85
8	1.66	28	-0.45	48	-2.47	68	-1.97
9	1.51	29	-0.51	49	-2.40	69	-2.21
10	1.36	30	-0.57	50	-2.35	70	-2.30
11	1.27	31	-1.00	51	-2.33	71	-2.47
12	1.21	32	-0.72	52	-2.33	72	-3.17
13	1.19	33	-0.75	53	-2.30	73	-3.13
14	1.15	34	-0.75	54	-2.29	74	-2.79
15	1.09	35	-0.84	55	-2.25	75	-2.74
16	1.04	36	-0.94	56	-2.52	76	-2.85
17	0.92	37	-1.10	57	-2.56	77	-2.98
18	0.75	38	-1.34	58	-2.50	78	-3.14
19	0.37	39	-1.72	59	-2.57	79	-3.36
20	0.40	40	-1.90	60	-2.57	80	-3.83

1	0.10	6	0.17	11	0.23	16	0.74
2	0.08	7	0.27	12	0.35	17	0.93
3	0.06	8	0.38	13	0.61	18	1.03
4	0.08	9	0.44	14	0.59	19	1.09
5	0.14	10	0.50	15	0.66	20	1.07

3/13/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	0.25	41	-1.73	61	-2.67
2	2.13	22	0.11	42	-1.09	62	-2.81
3	2.07	23	0.04	43	-1.12	63	-3.08
4	2.03	24	-0.08	44	-1.25	64	-3.40
5	1.98	25	-0.21	45	-1.46	65	-2.94
6	1.88	26	-0.42	46	-1.73	66	-2.75
7	1.74	27	-0.26	47	-2.08	67	-2.75
8	1.61	28	-0.30	48	-2.55	68	-2.75
9	1.51	29	-0.47	49	-1.95	69	-2.86
10	1.39	30	-0.62	50	-1.85	70	-3.25
11	1.29	31	-0.86	51	-1.83	71	-3.55
12	1.18	32	-0.60	52	-1.83	72	-3.78
13	1.10	33	-0.70	53	-1.93	73	-3.40
14	1.01	34	-1.02	54	-2.15	74	-3.10
15	0.88	35	-1.12	55	-2.49	75	-3.05
16	0.81	36	-1.24	56	-2.76	76	-3.05
17	0.71	37	-0.94	57	-2.36	77	-3.15
18	0.62	38	-0.80	58	-2.20	78	-3.42
19	0.52	39	-1.13	59	-2.35	79	-3.75
20	0.38	40	-1.46	60	-2.48	80	-4.00

1	0.16	6	0.08	11	0.14	16	0.20
2	0.21	7	0.01	12	0.11	17	0.20
3	0.17	8	-0.01	13	0.13	18	0.22
4	0.15	9	0.01	14	0.11	19	0.23
5	0.09	10	0.04	15	0.16	20	0.24

3/20/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.20	41	-1.94	61	-2.15
2	2.13	22	0.08	42	-1.42	62	-2.49
3	2.08	23	-0.02	43	-1.35	63	-3.16
4	2.05	24	-0.11	44	-1.42	64	-3.46
5	1.99	25	-0.23	45	-1.65	65	-3.33
6	1.89	26	-0.29	46	-1.97	66	-2.85
7	1.73	27	-0.38	47	-2.08	67	-3.00
8	1.64	28	-0.46	48	-2.65	68	-3.21
9	1.49	29	-0.52	49	-2.30	69	-3.45
10	1.40	30	-0.61	50	-1.83	70	-3.67
11	1.28	31	-0.77	51	-1.71	71	-3.68
12	1.21	32	-0.74	52	-1.72	72	-3.84
13	1.17	33	-0.78	53	-1.50	73	-3.28
14	0.93	34	-0.81	54	-1.60	74	-3.06
15	1.05	35	-0.85	55	-1.75	75	-3.23
16	0.91	36	-0.89	56	-2.44	76	-3.40
17	0.78	37	-0.93	57	-2.40	77	-3.65
18	0.61	38	-1.01	58	-2.03	78	-3.65
19	0.45	39	-1.05	59	-1.96	79	-3.87
20	0.30	40	-1.39	60	-1.97	80	-4.24

1	0.12	6	0.13	11	0.11	16	0.26
2	0.09	7	0.14	12	0.15	17	0.25
3	0.10	8	0.13	13	0.19	18	0.26
4	0.12	9	0.10	14	0.18	19	0.25
5	0.11	10	0.07	15	0.23	20	0.25

3/27/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.12	41	-1.90	61	-1.90
2	2.13	22	0.02	42	-1.70	62	-2.09
3	2.08	23	-0.10	43	-1.26	63	-2.61
4	2.04	24	-0.22	44	-1.20	64	-3.12
5	1.99	25	-0.37	45	-1.42	65	-2.68
6	1.89	26	-0.41	46	-1.60	66	-2.55
7	1.72	27	-0.56	47	-2.06	67	-2.64
8	1.63	28	-0.65	48	-2.30	68	-2.85
9	1.49	29	-0.65	49	-1.78	69	-3.01
10	1.41	30	-0.92	50	-1.75	70	-3.21
11	1.35	31	-1.02	51	-1.75	71	-3.63
12	1.26	32	-1.14	52	-1.76	72	-3.85
13	1.16	33	-1.20	53	-1.89	73	-3.34
14	1.09	34	-1.23	54	-2.00	74	-3.27
15	0.91	35	-1.37	55	-2.24	75	-3.28
16	0.85	36	-1.16	56	-2.50	76	-3.46
17	0.76	37	-1.13	57	-2.05	77	-3.50
18	0.62	38	-1.19	58	-1.64	78	-3.61
19	0.40	39	-1.26	59	-1.52	79	-3.79
20	0.33	40	-1.68	60	-1.65	80	-3.96

1	-0.01	6	0.17	11	0.05	16	0.32
2	0.06	7	0.32	12	0.17	17	0.43
3	0.04	8	0.28	13	0.23	18	0.41
4	0.03	9	0.23	14	0.24	19	0.32
5	0.05	10	0.25	15	0.33	20	0.39

4/ 3/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.08	41	-2.02	61	-2.18
2	2.21	22	0.0	42	-2.13	62	-2.42
3	2.11	23	-0.10	43	-1.92	63	-2.72
4	2.07	24	-0.22	44	-1.76	64	-3.38
5	2.04	25	-0.28	45	-1.73	65	-3.07
6	1.99	26	-0.39	46	-1.92	66	-2.73
7	1.88	27	-0.49	47	-2.07	67	-2.88
8	1.69	28	-0.54	48	-2.39	68	-2.90
9	1.58	29	-0.60	49	-2.34	69	-2.98
10	1.49	30	-0.65	50	-1.82	70	-3.26
11	1.39	31	-0.84	51	-1.78	71	-3.90
12	1.35	32	-0.79	52	-1.76	72	-3.96
13	1.27	33	-0.80	53	-1.89	73	-3.90
14	1.12	34	-0.91	54	-1.98	74	-3.34
15	0.95	35	-1.00	55	-2.07	75	-3.25
16	0.80	36	-1.05	56	-2.63	76	-3.29
17	0.65	37	-1.15	57	-2.62	77	-3.44
18	0.47	38	-1.19	58	-1.93	78	-3.52
19	0.35	39	-1.23	59	-2.06	79	-3.76
20	0.16	40	-1.75	60	-1.99	80	-4.10

1	0.02	6	0.05	11	0.10	16	0.28
2	0.01	7	0.10	12	0.16	17	0.29
3	0.01	8	0.12	13	0.17	18	0.27
4	0.01	9	0.20	14	0.23	19	0.26
5	0.01	10	0.24	15	0.24	20	0.30

4/10/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.06	41	-2.21	61	-2.43
2	2.37	22	-0.06	42	-2.00	62	-2.62
3	2.28	23	-0.16	43	-1.72	63	-2.84
4	2.09	24	-0.24	44	-1.86	64	-3.42
5	2.00	25	-0.36	45	-1.75	65	-3.10
6	1.93	26	-0.48	46	-2.00	66	-3.12
7	1.88	27	-0.54	47	-1.98	67	-2.91
8	1.64	28	-0.63	48	-2.43	68	-2.80
9	1.56	29	-0.69	49	-2.21	69	-2.98
10	1.32	30	-0.68	50	-1.72	70	-3.31
11	1.28	31	-0.79	51	-1.85	71	-3.64
12	1.28	32	-0.79	52	-1.76	72	-4.01
13	1.21	33	-0.86	53	-1.86	73	-3.87
14	1.12	34	-0.97	54	-1.98	74	-3.49
15	0.93	35	-0.98	55	-2.11	75	-3.30
16	0.71	36	-1.09	56	-2.51	76	-3.41
17	0.58	37	-1.23	57	-2.94	77	-3.32
18	0.42	38	-1.20	58	-2.11	78	-3.56
19	0.27	39	-1.35	59	-2.05	79	-3.86
20	0.11	40	-1.75	60	-2.13	80	-4.26

1	0.02	6	-0.01	11	0.03	16	0.28
2	-0.01	7	0.18	12	0.18	17	0.28
3	-0.04	8	0.18	13	0.19	18	0.29
4	-0.03	9	0.23	14	0.24	19	0.34
5	-0.06	10	0.26	15	0.22	20	0.36

4/17/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.23	41	-1.82	61	-1.75
2	2.14	22	0.13	42	-1.12	62	-1.69
3	2.09	23	0.02	43	-1.25	63	-1.89
4	2.04	24	-0.06	44	-1.44	64	-2.84
5	2.03	25	-0.21	45	-1.65	65	-2.54
6	1.92	26	-0.33	46	-2.12	66	-2.30
7	1.72	27	-0.35	47	-2.28	67	-2.46
8	1.54	28	-0.27	48	-2.40	68	-2.76
9	1.46	29	-0.48	49	-1.72	69	-2.75
10	1.39	30	-0.70	50	-1.65	70	-3.20
11	1.40	31	-0.90	51	-1.89	71	-3.41
12	1.35	32	-0.65	52	-1.66	72	-3.69
13	1.25	33	-0.65	53	-1.70	73	-3.23
14	1.13	34	-0.98	54	-1.80	74	-2.79
15	0.95	35	-1.08	55	-1.86	75	-2.86
16	0.80	36	-1.20	56	-2.40	76	-3.03
17	0.71	37	-1.10	57	-2.25	77	-3.40
18	0.61	38	-1.03	58	-2.05	78	-3.85
19	0.52	39	-1.14	59	-1.63	79	-3.95
20	0.37	40	-1.46	60	-1.90	80	-4.04

1	0.21	6	0.08	11	0.20	16	0.26
2	0.16	7	0.08	12	0.24	17	0.27
3	0.14	8	0.06	13	0.26	18	0.27
4	0.14	9	0.10	14	0.27	19	0.28
5	0.14	10	0.12	15	0.27	20	0.27

4/24/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.13	41	-2.20	61	-3.23
2	2.55	22	0.0	42	-1.95	62	-3.23
3	2.38	23	-0.15	43	-1.93	63	-3.58
4	2.24	24	-0.20	44	-1.93	64	-3.55
5	2.16	25	-0.29	45	-2.06	65	-3.55
6	2.07	26	-0.42	46	-2.20	66	-3.67
7	2.06	27	-0.42	47	-1.86	67	-3.75
8	1.98	28	-0.50	48	-2.39	68	-3.70
9	1.77	29	-0.53	49	-2.10	69	-3.64
10	1.60	30	-0.95	50	-1.81	70	-3.76
11	1.51	31	-1.10	51	-1.10	71	-3.78
12	1.42	32	-1.26	52	-1.66	72	-4.00
13	1.30	33	-1.26	53	-1.69	73	-3.58
14	1.14	34	-0.96	54	-1.62	74	-3.40
15	1.03	35	-1.00	55	-1.62	75	-3.35
16	0.93	36	-1.20	56	-2.23	76	-3.40
17	0.84	37	-1.23	57	-2.32	77	-3.42
18	0.70	38	-1.25	58	-2.30	78	-3.38
19	0.50	39	-1.30	59	-2.35	79	-3.23
20	0.30	40	-1.85	60	-2.85	80	-3.38
1	0.02	6	0.04	11	0.13	16	0.32
2	0.02	7	0.06	12	0.18	17	0.28
3	0.04	8	0.09	13	0.21	18	0.30
4	0.01	9	0.14	14	0.24	19	0.26
5	0.04	10	0.24	15	0.28	20	0.24

5/ 1/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.24	41	-1.65	61	-2.23
2	2.37	22	0.15	42	-1.54	62	-2.40
3	2.24	23	0.06	43	-0.90	63	-2.55
4	2.16	24	-0.04	44	-0.94	64	-3.03
5	2.09	25	-0.18	45	-1.00	65	-3.26
6	2.09	26	-0.20	46	-1.00	66	-2.98
7	1.98	27	-0.30	47	-1.14	67	-3.05
8	1.78	28	-0.37	48	-1.63	68	-3.25
9	1.66	29	-0.46	49	-1.60	69	-3.32
10	1.59	30	-0.52	50	-1.65	70	-3.55
11	1.51	31	-0.78	51	-2.10	71	-3.80
12	1.43	32	-0.57	52	-1.85	72	-3.96
13	1.34	33	-0.70	53	-1.70	73	-3.93
14	1.20	34	-0.65	54	-2.05	74	-3.73
15	1.03	35	-0.68	55	-2.73	75	-3.37
16	0.86	36	-0.70	56	-2.80	76	-3.05
17	0.72	37	-0.73	57	-3.03	77	-2.90
18	0.57	38	-0.80	58	-2.53	78	-2.85
19	0.48	39	-0.80	59	-2.16	79	-2.87
20	0.35	40	-1.15	60	-2.10	80	-3.73
1	0.22	6	0.13	11	0.25	16	0.30
2	0.23	7	0.10	12	0.24	17	0.32
3	0.21	8	0.08	13	0.24	18	0.36
4	0.17	9	0.11	14	0.23	19	0.33
5	0.16	10	0.12	15	0.27	20	0.32

5/ 8/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	-0.01	41	-1.85	61	-3.55
2	2.16	22	-0.09	42	-1.35	62	-3.63
3	2.12	23	-0.22	43	-1.05	63	-3.65
4	2.05	24	-0.34	44	-1.04	64	-3.80
5	2.03	25	-0.42	45	-1.08	65	-3.89
6	1.97	26	-0.53	46	-1.15	66	-3.70
7	1.82	27	-0.56	47	-1.58	67	-3.70
8	1.73	28	-0.60	48	-1.80	68	-3.82
9	1.64	29	-0.65	49	-1.64	69	-3.75
10	1.55	30	-0.71	50	-1.71	70	-3.68
11	1.45	31	-1.10	51	-1.88	71	-3.93
12	1.34	32	-1.02	52	-2.50	72	-4.12
13	1.22	33	-0.77	53	-3.20	73	-4.06
14	1.11	34	-0.78	54	-3.26	74	-3.34
15	0.98	35	-0.92	55	-3.32	75	-3.10
16	0.80	36	-0.96	56	-3.45	76	-3.08
17	0.65	37	-1.02	57	-3.63	77	-3.05
18	0.48	38	-1.04	58	-3.66	78	-3.08
19	0.33	39	-1.03	59	-3.59	79	-3.24
20	0.18	40	-1.57	60	-3.43	80	-3.90
1	-0.08	6	0.02	11	-0.05	16	0.17
2	-0.08	7	0.03	12	0.05	17	0.12
3	-0.02	8	0.06	13	0.04	18	0.13
4	-0.03	9	0.04	14	0.08	19	0.14
5	0.03	10	0.04	15	0.13	20	0.18

5/15/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.24	21	0.10	41	-1.40	61	-3.40
2	2.16	22	-0.03	42	-1.05	62	-3.46
3	2.08	23	-0.18	43	-1.05	63	-3.50
4	2.01	24	-0.26	44	-1.14	64	-3.64
5	1.98	25	-0.52	45	-1.25	65	-3.56
6	1.92	26	-0.57	46	-1.35	66	-3.59
7	1.78	27	-0.58	47	-1.70	67	-3.59
8	1.68	28	-0.54	48	-2.29	68	-3.35
9	1.59	29	-0.50	49	-1.76	69	-3.47
10	1.49	30	-0.55	50	-1.92	70	-3.61
11	1.41	31	-0.75	51	-1.92	71	-3.72
12	1.30	32	-0.42	52	-2.60	72	-3.96
13	1.20	33	-0.42	53	-2.82	73	-3.35
14	1.14	34	-0.44	54	-3.00	74	-3.17
15	1.05	35	-0.55	55	-3.16	75	-3.16
16	0.79	36	-0.62	56	-3.28	76	-3.12
17	0.65	37	-0.60	57	-3.39	77	-3.23
18	0.50	38	-0.70	58	-3.42	78	-3.20
19	0.34	39	-0.84	59	-3.52	79	-3.20
20	0.20	40	-0.85	60	-3.40	80	-3.25
1	0.04	6	0.16	11	-0.02	16	0.04
2	0.12	7	0.14	12	0.01	17	0.07
3	0.17	8	0.13	13	0.00	18	0.08
4	0.15	9	0.08	14	0.00	19	0.07
5	0.16	10	0.08	15	0.04	20	0.02

5/22/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.23	21	0.16	41	-1.35	61	-2.11
2	2.14	22	0.06	42	-1.09	62	-2.30
3	2.09	23	-0.07	43	-1.10	63	-2.86
4	2.06	24	-0.13	44	-1.50	64	-3.95
5	2.02	25	-0.21	45	-1.75	65	-4.12
6	1.94	26	-0.29	46	-2.35	66	-3.71
7	1.81	27	-0.34	47	-2.51	67	-3.60
8	1.69	28	-0.39	48	-2.68	68	-3.45
9	1.60	29	-0.45	49	-2.39	69	-3.70
10	1.51	30	-0.53	50	-2.75	70	-3.72
11	1.42	31	-1.08	51	-2.66	71	-3.68
12	1.33	32	-0.89	52	-2.80	72	-4.26
13	1.26	33	-0.68	53	-2.85	73	-3.31
14	1.20	34	-0.72	54	-3.05	74	-3.50
15	1.08	35	-0.75	55	-3.20	75	-3.05
16	0.91	36	-0.75	56	-3.27	76	-2.90
17	0.79	37	-0.72	57	-2.90	77	-3.00
18	0.65	38	-0.73	58	-2.49	78	-2.90
19	0.48	39	-0.76	59	-2.23	79	-3.10
20	0.34	40	-0.89	60	-2.18	80	-3.70
1	0.13	6	0.11	11	0.11	16	0.20
2	0.14	7	0.12	12	0.18	17	0.22
3	0.09	8	0.10	13	0.18	18	0.25
4	0.10	9	0.04	14	0.21	19	0.25
5	0.13	10	0.03	15	0.20	20	0.26

5/29/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	0.35	41	-1.39	61	-2.53
2	2.14	22	0.26	42	-1.11	62	-2.66
3	2.07	23	0.16	43	-1.29	63	-2.72
4	2.06	24	0.06	44	-1.42	64	-3.26
5	2.00	25	-0.05	45	-1.45	65	-2.94
6	1.92	26	-0.11	46	-1.62	66	-2.91
7	1.74	27	-0.18	47	-2.53	67	-2.98
8	1.66	28	-0.28	48	-2.82	68	-3.09
9	1.57	29	-0.44	49	-2.83	69	-3.28
10	1.46	30	-0.56	50	-2.90	70	-3.43
11	1.39	31	-0.98	51	-2.98	71	-3.60
12	1.32	32	-0.66	52	-2.98	72	-3.71
13	1.26	33	-0.69	53	-3.04	73	-2.98
14	1.20	34	-0.68	54	-3.08	74	-2.74
15	1.08	35	-0.70	55	-3.12	75	-2.68
16	0.98	36	-0.76	56	-3.24	76	-2.57
17	0.90	37	-0.82	57	-2.96	77	-2.68
18	0.79	38	-0.81	58	-2.70	78	-2.76
19	0.65	39	-0.98	59	-2.52	79	-2.82
20	0.48	40	-1.16	60	-2.44	80	-3.18
1	0.22	6	0.05	11	0.40	16	0.41
2	0.20	7	0.03	12	0.46	17	0.42
3	0.13	8	-0.01	13	0.46	18	0.30
4	0.11	9	-0.03	14	0.47	19	0.28
5	0.07	10	-0.01	15	0.46	20	0.32

6/ 5/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	0.62	41	-1.39	61	-2.69
2	2.14	22	0.52	42	-1.31	62	-2.75
3	2.08	23	0.36	43	-1.16	63	-2.81
4	2.05	24	0.18	44	-1.31	64	-3.35
5	2.02	25	0.04	45	-1.50	65	-3.28
6	1.94	26	-0.06	46	-1.94	66	-2.88
7	1.77	27	-0.15	47	-2.50	67	-2.98
8	1.70	28	-0.20	48	-2.88	68	-3.10
9	1.61	29	-0.26	49	-2.88	69	-3.18
10	1.50	30	-0.34	50	-2.99	70	-3.25
11	1.42	31	-0.40	51	-2.99	71	-3.30
12	1.33	32	-0.42	52	-3.06	72	-3.42
13	1.27	33	-0.43	53	-3.06	73	-2.74
14	1.20	34	-0.43	54	-2.92	74	-2.59
15	1.09	35	-0.49	55	-3.09	75	-2.57
16	0.98	36	-0.56	56	-3.31	76	-2.61
17	0.97	37	-0.66	57	-3.18	77	-2.66
18	0.92	38	-0.74	58	-2.94	78	-2.74
19	0.84	39	-0.82	59	-2.76	79	-2.78
20	0.74	40	-0.91	60	-2.63	80	-3.10
1	0.49	6	0.14	11	0.60	16	0.38
2	0.56	7	0.08	12	0.62	17	0.40
3	0.39	8	0.03	13	0.47	18	0.36
4	0.30	9	-0.02	14	0.44	19	0.32
5	0.27	10	-0.03	15	0.48	20	0.36

6/12/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.18	21	0.49	41	-1.82	61	-2.92
2	2.14	22	0.39	42	-1.65	62	-3.00
3	2.04	23	0.28	43	-1.48	63	-3.11
4	2.06	24	0.19	44	-1.51	64	-3.61
5	1.98	25	0.10	45	-1.81	65	-3.11
6	1.90	26	0.0	46	-1.90	66	-3.01
7	1.73	27	-0.09	47	-2.57	67	-3.07
8	1.64	28	-0.20	48	-3.18	68	-3.17
9	1.55	29	-0.27	49	-3.31	69	-3.21
10	1.45	30	-0.35	50	-3.31	70	-3.16
11	1.37	31	-0.52	51	-3.31	71	-3.30
12	1.29	32	-0.48	52	-3.28	72	-3.29
13	1.23	33	-0.58	53	-3.24	73	-2.77
14	1.18	34	-0.68	54	-3.20	74	-2.59
15	1.11	35	-0.78	55	-3.18	75	-2.70
16	1.05	36	-0.86	56	-3.48	76	-2.68
17	0.96	37	-0.98	57	-3.44	77	-2.72
18	0.88	38	-1.12	58	-3.02	78	-2.81
19	0.73	39	-1.13	59	-2.91	79	-3.11
20	0.62	40	-1.36	60	-2.80	80	-4.30
1	0.49	6	0.26	11	0.64	16	0.41
2	0.51	7	0.22	12	0.70	17	0.36
3	0.40	8	0.21	13	0.57	18	0.31
4	0.35	9	0.18	14	0.58	19	0.30
5	0.35	10	0.14	15	0.42	20	0.31

6/19/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.19	21	0.44	41	-1.42	61	-2.61
2	2.12	22	0.32	42	-1.36	62	-3.00
3	2.05	23	0.18	43	-1.47	63	-3.18
4	2.03	24	0.04	44	-1.61	64	-3.40
5	1.98	25	-0.01	45	-1.90	65	-3.13
6	1.89	26	-0.10	46	-2.13	66	-2.96
7	1.74	27	-0.20	47	-2.36	67	-2.88
8	1.66	28	-0.25	48	-2.83	68	-2.91
9	1.57	29	-0.31	49	-2.74	69	-3.03
10	1.49	30	-0.40	50	-2.87	70	-3.20
11	1.42	31	-0.75	51	-2.99	71	-3.22
12	1.37	32	-0.62	52	-3.10	72	-3.48
13	1.35	33	-0.51	53	-3.37	73	-2.78
14	1.38	34	-0.54	54	-3.32	74	-2.72
15	1.38	35	-0.61	55	-3.45	75	-2.65
16	1.32	36	-0.69	56	-3.49	76	-2.78
17	1.22	37	-0.76	57	-2.96	77	-2.86
18	0.99	38	-0.75	58	-2.76	78	-2.96
19	0.81	39	-0.94	59	-2.68	79	-3.13
20	0.62	40	-1.15	60	-2.64	80	-3.26
1	0.41	6	0.16	11	0.56	16	0.64
2	0.32	7	0.09	12	0.60	17	0.64
3	0.23	8	0.01	13	0.60	18	0.46
4	0.21	9	-0.08	14	0.75	19	0.40
5	0.18	10	-0.16	15	0.69	20	0.39

6/26/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.18	21	0.05	41	-2.21	61	-3.48
2	2.12	22	-0.02	42	-2.14	62	-3.24
3	2.05	23	-0.26	43	-2.23	63	-3.37
4	2.01	24	-0.51	44	-2.37	64	-4.05
5	1.96	25	-0.48	45	-2.49	65	-3.35
6	1.90	26	-0.61	46	-2.55	66	-3.05
7	1.73	27	-0.63	47	-2.62	67	-2.82
8	1.64	28	-0.67	48	-3.20	68	-2.73
9	1.55	29	-0.74	49	-2.61	69	-2.79
10	1.48	30	-0.83	50	-2.68	70	-2.81
11	1.39	31	-1.08	51	-2.67	71	-3.18
12	1.37	32	-0.82	52	-2.72	72	-3.38
13	1.36	33	-0.84	53	-2.98	73	-2.64
14	1.38	34	-0.92	54	-3.01	74	-2.44
15	1.41	35	-0.98	55	-3.12	75	-2.47
16	1.38	36	-1.02	56	-3.52	76	-2.68
17	1.16	37	-1.10	57	-3.38	77	-3.08
18	0.84	38	-1.43	58	-3.40	78	-3.31
19	0.58	39	-1.42	59	-3.40	79	-3.36
20	0.32	40	-1.61	60	-3.21	80	-3.50
1	0.04	6	0.10	11	0.11	16	0.72
2	0.01	7	0.09	12	0.29	17	1.03
3	-0.01	8	0.09	13	0.49	18	0.84
4	0.02	9	0.04	14	0.65	19	0.85
5	0.04	10	-0.01	15	0.70	20	0.87

7/ 3/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.21	21	0.15	41	-2.02	61	-2.25
2	2.13	22	0.08	42	-1.61	62	-2.44
3	2.07	23	0.0	43	-1.31	63	-2.81
4	2.05	24	-0.09	44	-1.16	64	-3.11
5	1.99	25	-0.17	45	-1.10	65	-2.88
6	1.89	26	-0.25	46	-1.32	66	-2.41
7	1.75	27	-0.31	47	-1.58	67	-2.37
8	1.67	28	-0.38	48	-2.09	68	-2.50
9	1.58	29	-0.47	49	-1.60	69	-2.75
10	1.52	30	-0.53	50	-1.48	70	-2.99
11	1.49	31	-0.87	51	-1.60	71	-3.30
12	1.49	32	-0.66	52	-1.68	72	-3.75
13	1.51	33	-0.69	53	-1.81	73	-3.28
14	1.44	34	-0.90	54	-2.48	74	-3.02
15	1.28	35	-0.97	55	-2.68	75	-3.04
16	1.00	36	-1.02	56	-2.81	76	-2.97
17	0.83	37	-1.01	57	-2.39	77	-3.12
18	0.62	38	-1.01	58	-2.07	78	-3.68
19	0.44	39	-1.03	59	-2.10	79	-3.69
20	0.28	40	-1.56	60	-2.11	80	-4.09
1	0.17	6	-0.00	11	0.20	16	0.30
2	0.16	7	-0.04	12	0.25	17	0.26
3	0.13	8	-0.08	13	0.30	18	0.28
4	0.09	9	-0.09	14	0.31	19	0.33
5	0.06	10	-0.09	15	0.33	20	0.38

7/10/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	0.25	41	-1.88	61	-2.26
2	2.12	22	0.13	42	-1.48	62	-2.53
3	2.07	23	0.03	43	-1.50	63	-2.62
4	2.04	24	-0.03	44	-1.49	64	-3.00
5	1.98	25	-0.08	45	-1.59	65	-2.38
6	1.90	26	-0.16	46	-1.52	66	-2.48
7	1.55	27	-0.21	47	-1.58	67	-2.47
8	1.66	28	-0.28	48	-2.22	68	-2.65
9	1.57	29	-0.37	49	-1.87	69	-2.83
10	1.52	30	-0.44	50	-1.52	70	-3.05
11	1.48	31	-0.63	51	-1.61	71	-3.18
12	1.45	32	-0.65	52	-1.47	72	-3.50
13	1.49	33	-0.78	53	-1.55	73	-2.90
14	1.41	34	-0.87	54	-1.47	74	-2.88
15	1.31	35	-0.96	55	-1.36	75	-3.00
16	1.23	36	-1.07	56	-2.03	76	-3.16
17	1.11	37	-1.21	57	-2.01	77	-3.26
18	0.94	38	-1.34	58	-1.58	78	-3.41
19	0.68	39	-1.45	59	-1.70	79	-3.65
20	0.43	40	-1.36	60	-1.88	80	-3.83
1	0.19	6	0.10	11	0.23	16	0.55
2	0.17	7	0.12	12	0.27	17	0.55
3	0.14	8	0.11	13	0.34	18	0.66
4	0.15	9	0.08	14	0.41	19	0.57
5	0.07	10	-0.02	15	0.53	20	0.61

7/17/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	0.24	41	-1.32	61	-2.33
2	2.11	22	0.12	42	-0.61	62	-2.60
3	2.06	23	0.01	43	-0.68	63	-2.80
4	2.04	24	-0.07	44	-0.70	64	-3.32
5	1.98	25	-0.14	45	-0.80	65	-3.25
6	1.89	26	-0.24	46	-0.85	66	-2.82
7	1.73	27	-0.35	47	-0.92	67	-2.40
8	1.54	28	-0.38	48	-1.38	68	-2.37
9	1.57	29	-0.42	49	-1.22	69	-2.45
10	1.52	30	-0.47	50	-1.24	70	-2.64
11	1.47	31	-1.20	51	-1.28	71	-3.31
12	1.45	32	-0.60	52	-1.43	72	-3.90
13	1.49	33	-0.58	53	-1.76	73	-3.85
14	1.45	34	-0.59	54	-2.10	74	-3.24
15	1.32	35	-0.60	55	-2.61	75	-3.18
16	1.07	36	-0.70	56	-3.14	76	-3.16
17	0.90	37	-0.74	57	-3.20	77	-3.20
18	0.70	38	-0.72	58	-2.55	78	-3.44
19	0.53	39	-0.61	59	-2.45	79	-3.91
20	0.36	40	-0.92	60	-2.31	80	-4.43

1	0.20	6	0.19	11	0.25	16	0.32
2	0.22	7	0.18	12	0.27	17	0.30
3	0.21	8	0.14	13	0.33	18	0.30
4	0.24	9	0.08	14	0.31	19	0.36
5	0.21	10	0.03	15	0.32	20	0.38

7/24/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.40	41	-1.75	61	-2.36
2	2.13	22	0.22	42	-1.36	62	-2.41
3	2.03	23	0.14	43	-1.26	63	-2.52
4	1.96	24	-0.07	44	-1.41	64	-2.69
5	1.98	25	-0.24	45	-1.36	65	-2.30
6	1.91	26	-0.36	46	-0.96	66	-2.38
7	1.75	27	-0.43	47	-0.96	67	-2.56
8	1.65	28	-0.40	48	-1.41	68	-2.66
9	1.58	29	-0.43	49	-1.11	69	-2.78
10	1.53	30	-0.44	50	-1.26	70	-2.96
11	1.46	31	-0.64	51	-1.55	71	-3.14
12	1.47	32	-0.44	52	-1.74	72	-3.26
13	1.47	33	-0.50	53	-2.05	73	-2.95
14	1.44	34	-0.57	54	-2.19	74	-3.01
15	1.30	35	-0.58	55	-2.32	75	-3.20
16	1.10	36	-0.61	56	-2.54	76	-3.31
17	1.04	37	-0.61	57	-2.08	77	-3.53
18	0.99	38	-0.79	58	-2.11	78	-3.63
19	0.86	39	-0.78	59	-2.21	79	-3.74
20	0.64	40	-0.96	60	-2.30	80	-4.00

1	0.27	6	0.55	11	0.61	16	0.74
2	0.27	7	0.64	12	0.62	17	0.75
3	0.32	8	0.67	13	0.79	18	0.76
4	0.45	9	0.46	14	0.69	19	0.68
5	0.63	10	0.36	15	0.64	20	0.70

7/31/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	0.45	41	-1.35	61	-2.36
2	2.15	22	0.35	42	-0.87	62	-2.76
3	2.08	23	0.23	43	-0.78	63	-3.03
4	2.01	24	0.12	44	-0.89	64	-3.35
5	1.99	25	0.01	45	-0.99	65	-2.88
6	1.92	26	-0.11	46	-1.07	66	-2.59
7	1.76	27	-0.16	47	-1.18	67	-2.49
8	1.67	28	-0.22	48	-1.76	68	-2.53
9	1.58	29	-0.31	49	-1.56	69	-2.66
10	1.54	30	-0.41	50	-1.49	70	-3.00
11	1.49	31	-1.00	51	-1.61	71	-3.65
12	1.48	32	-0.53	52	-1.79	72	-3.80
13	1.49	33	-0.47	53	-2.18	73	-3.40
14	1.44	34	-0.48	54	-2.64	74	-3.22
15	1.36	35	-0.51	55	-2.97	75	-3.20
16	1.28	36	-0.54	56	-3.02	76	-3.26
17	1.17	37	-0.54	57	-2.26	77	-3.36
18	0.97	38	-0.56	58	-2.35	78	-3.61
19	0.82	39	-0.64	59	-2.25	79	-3.84
20	0.65	40	-0.84	60	-2.26	80	-4.15

1	0.47	6	0.40	11	0.50	16	0.45
2	0.45	7	0.38	12	0.50	17	0.45
3	0.42	8	0.34	13	0.53	18	0.47
4	0.44	9	0.31	14	0.48	19	0.50
5	0.42	10	0.29	15	0.46	20	0.56

8/ 7/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.20	21	0.40	41	-1.59	61	-2.91
2	2.30	22	0.29	42	-1.40	62	-3.08
3	2.09	23	0.13	43	-1.29	63	-3.47
4	2.03	24	0.03	44	-1.40	64	-4.11
5	1.99	25	-0.06	45	-1.11	65	-3.77
6	1.92	26	-0.12	46	-1.16	66	-3.24
7	1.77	27	-0.24	47	-1.23	67	-3.14
8	1.77	28	-0.25	48	-1.92	68	-3.11
9	1.60	29	-0.33	49	-1.41	69	-3.04
10	1.55	30	-0.38	50	-1.24	70	-3.22
11	1.55	31	-1.03	51	-1.31	71	-3.63
12	1.53	32	-0.57	52	-1.48	72	-4.27
13	1.54	33	-0.49	53	-1.72	73	-4.20
14	1.53	34	-0.55	54	-2.00	74	-3.69
15	1.43	35	-0.67	55	-2.90	75	-3.53
16	1.22	36	-0.62	56	-3.80	76	-3.46
17	1.09	37	-0.64	57	-3.52	77	-3.36
18	0.83	38	-0.69	58	-2.89	78	-3.31
19	0.77	39	-0.76	59	-2.87	79	-3.42
20	0.60	40	-0.81	60	-2.84	80	-3.82

1	0.43	6	0.51	11	0.40	16	0.30
2	0.46	7	0.53	12	0.40	17	0.26
3	0.54	8	0.57	13	0.36	18	0.18
4	0.57	9	0.61	14	0.32	19	0.17
5	0.50	10	0.54	15	0.32	20	0.10

8/14/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.29	41	-1.85	61	-2.70
2	2.37	22	0.09	42	-1.69	62	-3.05
3	2.26	23	-0.18	43	-1.66	63	-3.43
4	2.13	24	-0.37	44	-1.16	64	-3.56
5	2.04	25	-0.43	45	-1.21	65	-3.30
6	1.99	26	-0.45	46	-1.22	66	-2.90
7	1.87	27	-0.48	47	-1.39	67	-2.95
8	1.72	28	-0.49	48	-2.44	68	-3.27
9	1.64	29	-0.50	49	-2.10	69	-3.17
10	1.56	30	-0.55	50	-1.91	70	-3.55
11	1.52	31	-0.81	51	-1.84	71	-3.74
12	1.51	32	-0.77	52	-1.86	72	-3.94
13	1.54	33	-0.70	53	-2.30	73	-3.58
14	1.55	34	-0.67	54	-2.35	74	-3.45
15	1.46	35	-0.68	55	-3.23	75	-3.42
16	1.23	36	-0.72	56	-3.57	76	-3.55
17	1.00	37	-0.79	57	-3.68	77	-3.65
18	0.81	38	-0.85	58	-2.60	78	-3.75
19	0.57	39	-1.11	59	-2.50	79	-3.65
20	0.45	40	-1.05	60	-2.56	80	-3.92

1	0.26	6	0.65	11	0.12	16	0.09
2	0.37	7	0.74	12	0.14	17	0.04
3	0.47	8	0.82	13	0.17	18	0.05
4	0.54	9	0.89	14	0.18	19	0.05
5	0.56	10	0.77	15	0.15	20	0.07

8/21/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.26	21	0.12	41	-2.25	61	-2.28
2	2.14	22	0.02	42	-1.77	62	-2.49
3	2.03	23	-0.12	43	-1.15	63	-2.93
4	1.96	24	-0.22	44	-1.09	64	-3.43
5	1.93	25	-0.39	45	-1.08	65	-2.90
6	1.81	26	-0.43	46	-1.15	66	-2.85
7	1.78	27	-0.48	47	-1.35	67	-2.84
8	1.71	28	-0.51	48	-2.45	68	-2.87
9	1.58	29	-0.62	49	-1.93	69	-2.88
10	1.54	30	-0.69	50	-1.40	70	-3.44
11	1.51	31	-1.17	51	-1.37	71	-3.64
12	1.54	32	-0.93	52	-1.40	72	-3.82
13	1.56	33	-1.29	53	-1.46	73	-3.58
14	1.59	34	-0.99	54	-1.71	74	-3.57
15	1.56	35	-1.03	55	-2.07	75	-3.61
16	1.32	36	-1.15	56	-2.74	76	-3.59
17	1.10	37	-1.11	57	-2.07	77	-3.61
18	0.82	38	-1.44	58	-1.89	78	-3.70
19	0.60	39	-1.57	59	-2.04	79	-3.75
20	0.33	40	-1.50	60	-2.11	80	-3.63

1	0.10	6	0.63	11	-0.03	16	0.13
2	0.17	7	0.78	12	0.03	17	0.12
3	0.34	8	0.87	13	0.11	18	0.13
4	0.47	9	0.84	14	0.15	19	0.13
5	0.49	10	0.84	15	0.15	20	0.22

8/28/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.23	21	0.20	41	-2.13	61	-1.95
2	2.18	22	0.13	42	-2.90	62	-2.00
3	2.12	23	0.04	43	-1.95	63	-2.05
4	2.06	24	-0.08	44	-1.95	64	-3.27
5	2.03	25	-0.17	45	-1.55	65	-3.33
6	1.89	26	-0.24	46	-1.88	66	-3.21
7	1.79	27	-0.36	47	-1.66	67	-3.21
8	1.74	28	-0.43	48	-2.63	68	-3.25
9	1.70	29	-0.48	49	-1.12	69	-3.10
10	1.56	30	-0.56	50	-1.87	70	-3.46
11	1.41	31	-0.97	51	-1.72	71	-3.46
12	1.25	32	-0.75	52	-2.00	72	-3.64
13	1.12	33	-1.08	53	-1.55	73	-3.80
14	0.95	34	-0.90	54	-1.61	74	-4.32
15	0.82	35	-0.93	55	-1.60	75	-3.60
16	0.72	36	-1.03	56	-2.68	76	-3.31
17	0.65	37	-1.23	57	-2.65	77	-3.35
18	0.45	38	-1.20	58	-2.31	78	-3.37
19	0.33	39	-1.32	59	-2.10	79	-3.43
20	0.32	40	-1.70	60	-2.00	80	-4.11

1	0.17	6	0.38	11	0.15	16	0.17
2	0.16	7	0.46	12	0.11	17	0.20
3	0.20	8	0.56	13	0.14	18	0.23
4	0.26	9	0.64	14	0.16	19	0.27
5	0.33	10	0.70	15	0.16	20	0.31

9/ 4/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	0.07	41	-2.35	61	-2.87
2	2.22	22	-0.04	42	-2.15	62	-2.65
3	2.15	23	-0.39	43	-1.70	63	-2.90
4	2.08	24	-0.61	44	-1.77	64	-3.36
5	1.99	25	-0.63	45	-2.02	65	-3.26
6	1.94	26	-0.64	46	-2.00	66	-2.72
7	1.83	27	-0.56	47	-2.19	67	-2.74
8	1.78	28	-0.60	48	-2.97	68	-2.77
9	1.66	29	-0.53	49	-2.87	69	-2.83
10	1.47	30	-0.60	50	-2.84	70	-2.85
11	1.27	31	-1.07	51	-2.45	71	-2.85
12	1.12	32	-0.83	52	-2.33	72	-3.55
13	0.97	33	-0.80	53	-2.30	73	-3.48
14	0.84	34	-0.87	54	-2.29	74	-3.34
15	0.69	35	-0.98	55	-2.45	75	-3.17
16	0.53	36	-1.04	56	-3.45	76	-2.85
17	0.45	37	-1.33	57	-3.48	77	-2.79
18	0.35	38	-1.76	58	-3.12	78	-2.80
19	0.27	39	-2.00	59	-3.02	79	-2.57
20	0.16	40	-2.10	60	-3.00	80	-3.35

1	-0.05	6	0.17	11	-0.11	16	-0.01
2	0.04	7	0.26	12	-0.09	17	-0.01
3	-0.01	8	0.43	13	-0.10	18	0.09
4	0.07	9	0.57	14	0.09	19	0.11
5	0.15	10	0.62	15	-0.06	20	0.16

9/11/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	-0.21	41	-2.30	61	-3.00
2	2.30	22	-0.19	42	-2.46	62	-3.06
3	2.17	23	-0.25	43	-2.31	63	-3.08
4	2.06	24	-0.34	44	-2.11	64	-3.16
5	2.01	25	-0.38	45	-2.27	65	-3.00
6	1.92	26	-0.42	46	-2.48	66	-3.01
7	1.82	27	-0.54	47	-2.58	67	-3.08
8	1.70	28	-0.56	48	-2.78	68	-3.01
9	1.59	29	-0.57	49	-3.04	69	-3.11
10	1.50	30	-0.95	50	-2.15	70	-3.18
11	1.34	31	-1.28	51	-2.15	71	-3.16
12	1.12	32	-1.28	52	-2.12	72	-3.28
13	0.91	33	-1.36	53	-2.55	73	-3.29
14	0.73	34	-1.83	54	-2.45	74	-3.22
15	0.56	35	-2.02	55	-3.10	75	-3.15
16	0.47	36	-2.12	56	-3.66	76	-3.00
17	0.33	37	-2.22	57	-3.23	77	-3.03
18	0.20	38	-2.46	58	-3.12	78	-2.90
19	0.10	39	-2.09	59	-3.00	79	-3.06
20	0.03	40	-2.31	60	-2.89	80	-3.78

1	-0.14	6	0.25	11	-0.31	16	-0.07
2	-0.10	7	0.36	12	-0.31	17	-0.05
3	0.02	8	0.44	13	-0.20	18	-0.04
4	0.10	9	0.57	14	-0.16	19	0.01
5	0.22	10	0.71	15	-0.09	20	0.10

9/18/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.22	21	0.10	41	-2.35	61	-3.05
2	2.37	22	-0.31	42	-1.76	62	-3.09
3	2.11	23	-0.37	43	-1.35	63	-3.17
4	2.04	24	-0.47	44	-1.35	64	-3.26
5	1.98	25	-0.53	45	-1.57	65	-3.01
6	1.90	26	-0.90	46	-1.50	66	-3.11
7	1.79	27	-1.10	47	-2.00	67	-3.06
8	1.74	28	-1.17	48	-2.83	68	-3.17
9	1.63	29	-1.08	49	-2.20	69	-3.15
10	1.54	30	-1.12	50	-2.21	70	-3.16
11	1.38	31	-1.50	51	-2.00	71	-3.23
12	1.22	32	-1.36	52	-1.70	72	-3.30
13	1.11	33	-0.93	53	-1.78	73	-3.10
14	0.97	34	-0.85	54	-1.95	74	-2.73
15	0.77	35	-0.90	55	-2.20	75	-2.62
16	0.60	36	-1.06	56	-3.01	76	-2.69
17	0.49	37	-1.18	57	-3.00	77	-2.95
18	0.32	38	-1.24	58	-2.80	78	-3.05
19	0.23	39	-1.46	59	-3.00	79	-2.97
20	0.19	40	-1.93	60	-3.02	80	-3.08

1	-0.21	6	0.64	11	-0.20	16	-0.08
2	0.01	7	0.71	12	-0.19	17	-0.03
3	0.08	8	0.83	13	-0.19	18	0.09
4	0.30	9	0.81	14	-0.17	19	0.21
5	0.44	10	0.81	15	-0.18	20	0.25

9/25/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.19	21	0.14	41	-2.55	61	-3.06
2	2.18	22	-0.04	42	-2.79	62	-3.08
3	2.06	23	-0.10	43	-2.51	63	-3.24
4	2.02	24	-0.25	44	-2.36	64	-3.12
5	1.94	25	-0.45	45	-2.42	65	-3.01
6	1.84	26	-0.60	46	-2.63	66	-3.23
7	1.75	27	-0.72	47	-2.73	67	-3.00
8	1.65	28	-0.82	48	-2.91	68	-3.22
9	1.60	29	-0.95	49	-2.89	69	-3.26
10	1.49	30	-1.30	50	-2.26	70	-3.21
11	1.40	31	-1.46	51	-2.30	71	-3.21
12	1.29	32	-1.43	52	-2.45	72	-3.50
13	1.14	33	-1.82	53	-2.75	73	-3.45
14	1.01	34	-2.09	54	-3.00	74	-3.20
15	0.80	35	-2.21	55	-3.29	75	-3.13
16	0.68	36	-2.39	56	-3.54	76	-3.21
17	0.53	37	-2.37	57	-3.52	77	-3.00
18	0.50	38	-2.65	58	-3.24	78	-2.80
19	0.39	39	-2.27	59	-2.98	79	-3.31
20	0.26	40	-2.58	60	-2.98	80	-3.78

1	0.04	6	0.49	11	-0.05	16	-0.07
2	0.09	7	0.73	12	-0.07	17	-0.03
3	0.18	8	0.85	13	-0.05	18	0.02
4	0.22	9	1.04	14	-0.08	19	0.10
5	0.33	10	0.93	15	-0.10	20	0.15

10/ 2/1980

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.01	41	-1.95	61	-2.10
2	2.19	22	-0.03	42	-1.63	62	-2.20
3	2.11	23	-0.07	43	-1.39	63	-2.73
4	1.98	24	-0.26	44	-1.47	64	-3.59
5	1.84	25	-0.24	45	-1.46	65	-3.58
6	1.72	26	-0.32	46	-1.60	66	-2.90
7	1.59	27	-0.38	47	-1.92	67	-2.90
8	1.48	28	-0.41	48	-2.61	68	-2.82
9	1.40	29	-0.50	49	-2.56	69	-3.00
10	1.31	30	-0.55	50	-2.00	70	-3.11
11	1.21	31	-0.80	51	-1.87	71	-3.56
12	1.06	32	-0.80	52	-1.88	72	-4.13
13	0.93	33	-0.77	53	-1.90	73	-3.45
14	0.81	34	-0.85	54	-2.02	74	-3.20
15	0.64	35	-0.91	55	-2.15	75	-3.78
16	0.54	36	-0.92	56	-3.24	76	-3.80
17	0.44	37	-1.05	57	-2.85	77	-3.75
18	0.34	38	-1.07	58	-2.85	78	-3.75
19	0.24	39	-1.10	59	-2.37	79	-3.85
20	0.14	40	-1.44	60	-2.09	80	-4.30

1	-0.09	6	-0.02	11	-0.13	16	-0.17
2	-0.07	7	-0.05	12	-0.17	17	-0.09
3	-0.05	8	-0.06	13	-0.19	18	-0.07
4	-0.02	9	-0.09	14	-0.19	19	-0.01
5	-0.02	10	-0.10	15	-0.20	20	0.03

				10/ 9/1980			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	0.02	41	-1.96	61	-2.00
2	2.21	22	-0.05	42	-1.95	62	-2.52
3	2.11	23	-0.12	43	-1.35	63	-2.90
4	1.99	24	-0.22	44	-1.39	64	-3.10
5	1.85	25	-0.31	45	-1.43	65	-2.96
6	1.73	26	-0.37	46	-1.57	66	-2.67
7	1.60	27	-0.41	47	-1.79	67	-2.90
8	1.48	28	-0.50	48	-2.30	68	-3.10
9	1.38	29	-0.57	49	-2.25	69	-3.73
10	1.30	30	-0.59	50	-1.64	70	-3.81
11	1.18	31	-1.00	51	-1.40	71	-4.05
12	1.06	32	-0.90	52	-1.59	72	-4.14
13	0.92	33	-0.88	53	-1.65	73	-4.30
14	0.79	34	-0.72	54	-1.60	74	-4.30
15	0.65	35	-1.00	55	-1.73	75	-4.43
16	0.55	36	-0.89	56	-2.63	76	-4.50
17	0.44	37	-0.93	57	-2.38	77	-4.48
18	0.35	38	-0.93	58	-1.90	78	-4.41
19	0.25	39	-1.09	59	-1.71	79	-4.55
20	0.10	40	-1.51	60	-1.75	80	-4.70

1	-0.05	6	0.00	11	-0.13	16	-0.17
2	-0.02	7	0.00	12	-0.17	17	-0.11
3	0.00	8	-0.04	13	-0.22	18	-0.05
4	0.02	9	-0.07	14	-0.19	19	-0.02
5	0.00	10	-0.03	15	-0.18	20	0.03

				10/16/1980			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.0	41	-2.22	61	-1.74
2	2.24	22	-0.08	42	-2.00	62	-1.79
3	2.11	23	-0.12	43	-2.00	63	-1.92
4	1.97	24	-0.17	44	-1.95	64	-3.00
5	1.84	25	-0.33	45	-2.16	65	-3.02
6	1.73	26	-0.36	46	-1.84	66	-2.67
7	1.61	27	-0.37	47	-1.90	67	-2.62
8	1.48	28	-0.56	48	-3.05	68	-2.98
9	1.43	29	-0.53	49	-2.48	69	-3.40
10	1.33	30	-0.75	50	-2.10	70	-4.05
11	1.22	31	-0.30	51	-2.00	71	-4.18
12	1.06	32	-1.01	52	-1.93	72	-4.20
13	0.95	33	-1.00	53	-2.15	73	-4.21
14	0.81	34	-0.95	54	-1.94	74	-4.13
15	0.64	35	-1.10	55	-2.08	75	-4.00
16	0.55	36	-1.14	56	-3.07	76	-4.10
17	0.40	37	-1.36	57	-2.94	77	-4.15
18	0.30	38	-1.25	58	-2.30	78	-4.38
19	0.15	39	-1.50	59	-2.05	79	-4.52
20	0.10	40	-1.45	60	-1.82	80	-4.60

1	-0.12	6	-0.03	11	-0.12	16	-0.14
2	-0.10	7	-0.06	12	-0.14	17	-0.08
3	-0.07	8	-0.01	13	-0.16	18	-0.01
4	-0.05	9	0.02	14	-0.17	19	0.04
5	-0.02	10	0.00	15	-0.22	20	0.04

				10/23/1980			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	0.10	41	-2.12	61	-2.35
2	2.16	22	-0.02	42	-2.00	62	-2.49
3	2.07	23	-0.12	43	-1.95	63	-2.69
4	1.95	24	-0.35	44	-1.90	64	-2.83
5	1.82	25	-0.50	45	-1.82	65	-2.84
6	1.69	26	-0.61	46	-1.74	66	-2.72
7	1.58	27	-0.78	47	-1.50	67	-2.80
8	1.50	28	-0.92	48	-1.78	68	-2.91
9	1.44	29	-0.91	49	-1.25	69	-3.24
10	1.35	30	-1.06	50	-0.97	70	-3.94
11	1.29	31	-1.15	51	-0.97	71	-4.00
12	1.16	32	-1.08	52	-1.25	72	-4.02
13	1.03	33	-1.17	53	-1.25	73	-4.08
14	0.86	34	-1.11	54	-1.46	74	-3.95
15	0.64	35	-1.34	55	-1.67	75	-4.07
16	0.62	36	-1.32	56	-1.92	76	-4.31
17	0.52	37	-1.33	57	-1.73	77	-4.47
18	0.42	38	-1.47	58	-1.69	78	-4.48
19	0.35	39	-1.60	59	-1.83	79	-4.48
20	0.29	40	-1.61	60	-2.09	80	-4.40

1	0.01	6	0.22	11	0.04	16	0.14
2	-0.01	7	0.28	12	0.00	17	0.21
3	0.06	8	0.22	13	0.06	18	0.25
4	0.11	9	0.08	14	0.07	19	0.27
5	0.18	10	-0.08	15	0.10	20	0.30

				10/30/1980			
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	-0.01	41	-1.44	61	-2.49
2	2.23	22	-0.06	42	-1.25	62	-2.70
3	2.10	23	-0.05	43	-1.11	63	-3.19
4	1.99	24	-0.05	44	-1.09	64	-3.92
5	1.84	25	-0.06	45	-1.11	65	-3.75
6	1.68	26	-0.10	46	-1.24	66	-3.54
7	1.53	27	-0.17	47	-1.46	67	-3.54
8	1.37	28	-0.20	48	-1.67	68	-3.63
9	1.26	29	-0.19	49	-1.35	69	-3.79
10	1.14	30	-0.35	50	-1.21	70	-4.05
11	1.05	31	-0.46	51	-1.15	71	-4.18
12	0.95	32	-0.52	52	-1.18	72	-4.42
13	0.89	33	-0.65	53	-1.30	73	-4.53
14	0.78	34	-0.79	54	-1.50	74	-4.17
15	0.66	35	-0.88	55	-1.83	75	-4.16
16	0.64	36	-0.96	56	-2.45	76	-4.26
17	0.51	37	-1.07	57	-2.32	77	-4.45
18	0.38	38	-1.17	58	-2.07	78	-4.47
19	0.25	39	-1.36	59	-2.05	79	-4.65
20	0.15	40	-1.58	60	-2.23	80	-4.80

1	0.01	6	0.07	11	-0.11	16	0.11
2	0.06	7	0.03	12	-0.12	17	0.16
3	0.10	8	0.02	13	0.01	18	0.17
4	0.06	9	-0.08	14	0.06	19	0.19
5	0.09	10	-0.02	15	0.07	20	0.21

11/ 6/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.32	41	-1.39	61	-2.43
2	2.24	22	0.25	42	-1.04	62	-2.80
3	2.17	23	0.22	43	-1.08	63	-3.05
4	2.04	24	0.10	44	-1.12	64	-3.73
5	1.91	25	0.0	45	-1.21	65	-3.66
6	1.77	26	-0.10	46	-1.32	66	-3.56
7	1.61	27	-0.21	47	-1.45	67	-3.55
8	1.43	28	-0.32	48	-1.70	68	-3.64
9	1.32	29	-0.42	49	-1.02	69	-3.75
10	1.17	30	-0.70	50	-1.05	70	-3.98
11	1.07	31	-0.86	51	-1.15	71	-4.15
12	0.97	32	-0.79	52	-1.24	72	-4.41
13	0.90	33	-0.90	53	-1.42	73	-4.53
14	0.84	34	-1.00	54	-1.59	74	-4.18
15	0.83	35	-1.08	55	-1.88	75	-4.20
16	0.88	36	-1.15	56	-2.20	76	-4.26
17	0.85	37	-1.23	57	-2.14	77	-4.40
18	0.68	38	-1.26	58	-1.09	78	-4.48
19	0.62	39	-1.30	59	-2.11	79	-4.61
20	0.53	40	-1.35	60	-2.22	80	-4.73

1	0.25	6	0.41	11	0.27	16	0.19
2	0.33	7	0.44	12	0.32	17	0.23
3	0.43	8	0.44	13	0.26	18	0.27
4	0.43	9	0.44	14	0.20	19	0.23
5	0.38	10	0.45	15	0.29	20	0.24

11/13/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.27	41	-1.85	61	-2.80
2	2.22	22	0.22	42	-1.00	62	-2.72
3	2.15	23	0.10	43	-0.90	63	-3.02
4	2.02	24	0.0	44	-0.87	64	-3.30
5	1.87	25	-0.04	45	-0.90	65	-3.71
6	1.71	26	-0.14	46	-1.04	66	-3.45
7	1.57	27	-0.22	47	-1.29	67	-3.56
8	1.41	28	-0.27	48	-1.80	68	-3.55
9	1.28	29	-0.40	49	-1.35	69	-3.75
10	1.16	30	-0.85	50	-1.20	70	-3.93
11	1.08	31	-1.25	51	-1.29	71	-4.05
12	1.03	32	-1.15	52	-1.39	72	-4.22
13	1.06	33	-1.26	53	-1.54	73	-4.52
14	1.09	34	-0.97	54	-1.76	74	-4.10
15	1.13	35	-0.86	55	-2.03	75	-4.18
16	1.18	36	-0.84	56	-2.38	76	-4.22
17	1.07	37	-0.82	57	-2.45	77	-4.38
18	0.85	38	-0.81	58	-2.01	78	-4.40
19	0.63	39	-0.97	59	-2.15	79	-4.62
20	0.50	40	-1.04	60	-2.33	80	-4.64

1	0.23	6	0.11	11	0.22	16	0.13
2	0.23	7	0.04	12	0.19	17	0.17
3	0.17	8	0.07	13	0.21	18	0.21
4	0.16	9	0.11	14	0.20	19	0.23
5	0.13	10	0.13	15	0.18	20	0.28

11/20/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.30	41	-1.75	61	-2.09
2	2.27	22	0.20	42	-1.87	62	-2.34
3	2.16	23	0.10	43	-1.22	63	-3.21
4	2.03	24	-0.04	44	-1.20	64	-4.04
5	1.88	25	-0.11	45	-1.07	65	-4.01
6	1.72	26	-0.18	46	-1.10	66	-3.31
7	1.58	27	-0.26	47	-1.35	67	-3.28
8	1.40	28	-0.38	48	-2.14	68	-3.42
9	1.28	29	-0.60	49	-1.77	69	-3.83
10	1.16	30	-0.73	50	-1.23	70	-4.16
11	1.11	31	-1.40	51	-1.16	71	-4.23
12	1.10	32	-0.90	52	-1.10	72	-4.46
13	1.11	33	-0.79	53	-1.07	73	-4.18
14	1.13	34	-0.80	54	-1.17	74	-3.85
15	1.16	35	-0.83	55	-1.62	75	-4.25
16	1.27	36	-1.03	56	-2.26	76	-4.08
17	1.22	37	-1.10	57	-2.25	77	-4.46
18	0.95	38	-1.16	58	-1.75	78	-4.48
19	0.67	39	-1.15	59	-1.77	79	-4.47
20	0.48	40	-1.47	60	-1.88	80	-4.75

1	0.24	6	0.44	11	0.09	16	0.11
2	0.25	7	0.48	12	0.15	17	0.11
3	0.29	8	0.40	13	-0.01	18	0.08
4	0.31	9	0.41	14	-0.07	19	0.07
5	0.35	10	0.39	15	0.07	20	0.10

11/27/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.30	21	-0.03	41	-2.38	61	-1.71
2	2.23	22	-0.14	42	-2.47	62	-1.90
3	2.12	23	-0.20	43	-2.09	63	-2.69
4	2.02	24	-0.26	44	-2.24	64	-3.31
5	1.89	25	-0.32	45	-2.08	65	-3.45
6	1.71	26	-0.38	46	-2.20	66	-2.83
7	1.55	27	-0.42	47	-2.28	67	-3.00
8	1.43	28	-0.49	48	-3.03	68	-3.23
9	1.25	29	-0.51	49	-2.27	69	-3.79
10	1.13	30	-0.64	50	-2.19	70	-4.14
11	0.97	31	-1.04	51	-2.18	71	-4.23
12	0.84	32	-0.90	52	-1.93	72	-4.50
13	0.69	33	-0.90	53	-2.02	73	-3.60
14	0.55	34	-0.86	54	-1.51	74	-3.88
15	0.43	35	-1.00	55	-1.70	75	-3.86
16	0.34	36	-1.14	56	-2.52	76	-3.95
17	0.30	37	-1.56	57	-2.10	77	-4.49
18	0.21	38	-1.74	58	-1.91	78	-4.35
19	0.14	39	-1.66	59	-1.52	79	-4.47
20	0.08	40	-2.15	60	-1.55	80	-4.67

1	-0.16	6	-0.12	11	-0.12	16	0.06
2	-0.14	7	-0.14	12	-0.08	17	0.06
3	-0.17	8	-0.07	13	-0.07	18	0.02
4	-0.15	9	-0.08	14	0.00	19	0.03
5	-0.13	10	-0.02	15	0.03	20	0.06

12/ 4/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	-0.21	41	-2.64	61	-2.36
2	2.25	22	-0.19	42	-2.22	62	-2.70
3	2.16	23	-0.22	43	-1.78	63	-3.52
4	2.04	24	-0.20	44	-1.84	64	-3.77
5	1.91	25	-0.27	45	-1.88	65	-3.37
6	1.70	26	-0.36	46	-1.94	66	-2.90
7	1.56	27	-0.43	47	-2.10	67	-2.94
8	1.41	28	-0.45	48	-2.95	68	-3.09
9	1.20	29	-0.50	49	-2.33	69	-3.52
10	1.04	30	-0.78	50	-1.12	70	-4.06
11	0.90	31	-1.38	51	-1.40	71	-4.25
12	0.78	32	-1.03	52	-1.40	72	-4.40
13	0.65	33	-0.88	53	-1.44	73	-4.18
14	0.53	34	-0.98	54	-1.62	74	-3.90
15	0.39	35	-0.89	55	-2.44	75	-4.00
16	0.40	36	-1.02	56	-2.93	76	-4.00
17	0.36	37	-1.17	57	-2.52	77	-4.18
18	0.25	38	-1.40	58	-2.00	78	-4.60
19	0.12	39	-1.48	59	-2.04	79	-4.80
20	0.08	40	-2.05	60	-2.16	80	-4.80

1	0.45	6	0.43	11	0.32	16	0.62
2	0.46	7	0.45	12	0.37	17	0.71
3	0.33	8	0.51	13	0.41	18	0.70
4	0.37	9	0.59	14	0.47	19	0.58
5	0.47	10	0.59	15	0.51	20	0.51

12/11/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	-0.11	41	-1.91	61	-2.20
2	2.24	22	-0.12	42	-1.30	62	-2.60
3	2.14	23	-0.17	43	-1.24	63	-2.86
4	2.02	24	-0.22	44	-1.30	64	-3.31
5	1.90	25	-0.28	45	-1.42	65	-2.70
6	1.74	26	-0.48	46	-1.72	66	-2.50
7	1.56	27	-0.50	47	-2.14	67	-2.44
8	1.37	28	-0.50	48	-2.51	68	-2.51
9	1.23	29	-0.56	49	-2.46	69	-2.80
10	1.11	30	-0.84	50	-1.76	70	-3.00
11	0.97	31	-1.11	51	-1.72	71	-3.55
12	0.85	32	-0.92	52	-1.73	72	-4.54
13	0.72	33	-0.80	53	-1.80	73	-4.40
14	0.56	34	-0.85	54	-2.00	74	-3.70
15	0.48	35	-0.80	55	-2.40	75	-3.65
16	0.40	36	-0.90	56	-2.86	76	-3.63
17	0.30	37	-0.87	57	-2.81	77	-3.71
18	0.20	38	-0.90	58	-1.95	78	-4.00
19	0.15	39	-1.00	59	-1.91	79	-4.28
20	0.06	40	-1.50	60	-1.92	80	-4.90

1	-0.14	6	-0.12	11	-0.13	16	0.00
2	-0.17	7	0.08	12	-0.12	17	0.00
3	-0.16	8	0.15	13	-0.07	18	-0.01
4	-0.12	9	0.14	14	-0.06	19	-0.05
5	-0.12	10	0.19	15	-0.03	20	-0.02

12/18/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.12	41	-2.29	61	-2.25
2	2.24	22	-0.03	42	-1.74	62	-2.23
3	2.17	23	-0.17	43	-1.87	63	-2.76
4	2.07	24	-0.30	44	-1.97	64	-3.00
5	1.96	25	-0.23	45	-2.03	65	-2.50
6	1.82	26	-0.46	46	-2.06	66	-2.40
7	1.64	27	-0.44	47	-2.33	67	-2.48
8	1.50	28	-0.40	48	-2.63	68	-2.71
9	1.34	29	-0.48	49	-2.01	69	-2.98
10	1.20	30	-0.42	50	-1.75	70	-3.36
11	1.10	31	-0.90	51	-1.61	71	-3.91
12	0.97	32	-0.58	52	-1.45	72	-4.14
13	0.91	33	-0.53	53	-1.50	73	-3.58
14	0.83	34	-0.58	54	-1.73	74	-3.46
15	0.72	35	-0.81	55	-1.70	75	-3.50
16	0.68	36	-1.20	56	-2.02	76	-3.61
17	0.58	37	-1.40	57	-1.66	77	-3.84
18	0.41	38	-1.61	58	-1.48	78	-4.22
19	0.26	39	-1.79	59	-1.71	79	-4.45
20	0.20	40	-1.81	60	-1.80	80	-4.56

1	-0.19	6	0.09	11	-0.11	16	0.06
2	-0.24	7	0.14	12	-0.12	17	0.06
3	-0.30	8	0.10	13	0.03	18	0.05
4	-0.10	9	0.04	14	0.06	19	0.14
5	0.03	10	-0.15	15	0.08	20	0.15

12/26/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	-0.09	41	-2.36	61	-2.75
2	2.18	22	-0.04	42	-1.84	62	-3.27
3	2.07	23	-0.08	43	-1.65	63	-3.35
4	1.94	24	-0.25	44	-1.64	64	-4.00
5	1.82	25	-0.28	45	-1.59	65	-4.22
6	1.66	26	-0.33	46	-1.78	66	-3.75
7	1.51	27	-0.39	47	-2.10	67	-3.76
8	1.36	28	-0.48	48	-2.96	68	-3.70
9	1.19	29	-0.60	49	-2.30	69	-3.81
10	1.04	30	-0.79	50	-2.36	70	-3.86
11	0.84	31	-1.18	51	-2.40	71	-4.22
12	0.80	32	-1.03	52	-2.32	72	-4.35
13	0.68	33	-1.05	53	-2.38	73	-4.60
14	0.56	34	-1.07	54	-2.58	74	-4.83
15	0.44	35	-1.10	55	-2.69	75	-4.90
16	0.40	36	-1.24	56	-2.90	76	-4.84
17	0.38	37	-1.25	57	-2.74	77	-4.86
18	0.30	38	-1.22	58	-2.66	78	-5.00
19	0.19	39	-1.51	59	-2.71	79	-5.00
20	0.10	40	-1.65	60	-2.60	80	-4.95

1	0.10	6	0.17	11	0.34	16	0.41
2	0.12	7	0.28	12	0.32	17	0.49
3	0.15	8	0.30	13	0.32	18	0.59
4	0.23	9	0.24	14	0.29	19	0.62
5	0.21	10	0.30	15	0.44	20	0.64

12/29/1980							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	0.21	41	-2.06	61	-2.26
2	2.26	22	0.07	42	-2.22	62	-2.25
3	2.14	23	-0.02	43	-2.12	63	-2.36
4	2.02	24	-0.21	44	-2.28	64	-3.90
5	1.89	25	-0.33	45	-2.38	65	-3.19
6	1.73	26	-0.42	46	-2.38	66	-2.47
7	1.56	27	-0.48	47	-2.40	67	-2.38
8	1.44	28	-0.57	48	-2.54	68	-2.38
9	1.34	29	-0.65	49	-2.61	69	-2.65
10	1.21	30	-0.68	50	-2.50	70	-3.24
11	1.08	31	-1.02	51	-2.73	71	-4.13
12	0.97	32	-1.28	52	-2.91	72	-4.31
13	0.84	33	-1.27	53	-2.87	73	-4.30
14	0.73	34	-1.30	54	-2.95	74	-3.82
15	0.64	35	-1.47	55	-3.08	75	-4.05
16	0.66	36	-1.66	56	-3.14	76	-4.58
17	0.62	37	-1.70	57	-3.00	77	-4.63
18	0.55	38	-1.85	58	-2.79	78	-4.70
19	0.50	39	-1.92	59	-2.57	79	-4.79
20	0.37	40	-1.92	60	-2.50	80	-4.95

1	0.09	6	-0.08	11	0.05	16	0.15
2	-0.03	7	-0.05	12	0.06	17	0.04
3	-0.07	8	-0.03	13	0.05	18	0.08
4	-0.07	9	-0.02	14	0.28	19	0.06
5	-0.09	10	-0.08	15	0.40	20	0.06

1/ 8/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	-1.20	41	-2.02	61	-2.56
2	2.24	22	-1.26	42	-1.46	62	-3.25
3	2.12	23	-1.40	43	-1.50	63	-3.72
4	2.03	24	-1.37	44	-1.57	64	-4.00
5	1.94	25	-1.40	45	-1.75	65	-3.97
6	1.80	26	-1.51	46	-2.15	66	-3.34
7	1.68	27	-1.22	47	-2.54	67	-3.24
8	1.60	28	-1.08	48	-2.85	68	-3.03
9	1.56	29	-1.25	49	-2.47	69	-2.90
10	1.57	30	-1.24	50	-2.20	70	-2.91
11	1.48	31	-1.36	51	-2.18	71	-3.43
12	1.37	32	-1.05	52	-2.25	72	-4.14
13	1.32	33	-1.07	53	-2.21	73	-4.52
14	1.21	34	-1.08	54	-2.28	74	-3.35
15	0.84	35	-1.11	55	-2.80	75	-3.15
16	0.49	36	-1.18	56	-3.24	76	-3.05
17	0.24	37	-1.30	57	-3.12	77	-3.00
18	0.04	38	-1.47	58	-2.67	78	-3.20
19	-0.64	39	-1.70	59	-2.38	79	-3.70
20	-0.90	40	-1.85	60	-2.28	80	-4.50

1	0.40	6	0.68	11	0.47	16	0.91
2	0.46	7	0.58	12	0.51	17	0.62
3	0.40	8	0.85	13	0.56	18	0.58
4	0.61	9	0.57	14	0.82	19	0.52
5	0.48	10	0.76	15	0.62	20	0.42

1/15/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	-1.24	41	-1.98	61	-3.00
2	2.22	22	-1.34	42	-1.34	62	-3.34
3	2.11	23	-1.42	43	-1.78	63	-3.92
4	2.02	24	-1.37	44	-1.75	64	-4.03
5	1.94	25	-1.50	45	-1.83	65	-4.10
6	1.77	26	-1.32	46	-2.00	66	-3.52
7	1.68	27	-1.06	47	-2.24	67	-3.09
8	1.63	28	-1.00	48	-2.98	68	-2.99
9	1.54	29	-1.22	49	-2.50	69	-2.89
10	1.56	30	-1.42	50	-2.50	70	-3.01
11	1.48	31	-1.24	51	-2.20	71	-3.52
12	1.37	32	-1.05	52	-2.15	72	-4.26
13	1.32	33	-1.07	53	-2.34	73	-4.63
14	1.18	34	-1.13	54	-2.83	74	-3.19
15	0.82	35	-1.20	55	-3.00	75	-3.00
16	0.46	36	-1.25	56	-3.35	76	-3.04
17	0.22	37	-1.24	57	-3.06	77	-3.30
18	-0.02	38	-1.56	58	-2.32	78	-3.50
19	-0.65	39	-1.80	59	-2.41	79	-4.00
20	-0.87	40	-1.80	60	-2.53	80	-4.50

1	0.42	6	0.40	11	0.42	16	0.42
2	0.39	7	0.43	12	0.42	17	0.43
3	0.38	8	0.42	13	0.45	18	0.46
4	0.34	9	0.42	14	0.47	19	0.45
5	0.36	10	0.44	15	0.43	20	0.43

1/22/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	-0.47	41	-2.00	61	-3.00
2	2.17	22	-0.42	42	-1.47	62	-3.48
3	2.06	23	-0.48	43	-1.55	63	-3.68
4	1.98	24	-0.50	44	-1.71	64	-3.77
5	1.92	25	-0.51	45	-1.73	65	-3.60
6	1.76	26	-0.61	46	-1.94	66	-3.37
7	1.66	27	-0.68	47	-2.00	67	-3.27
8	1.55	28	-0.76	48	-2.15	68	-3.22
9	1.54	29	-0.80	49	-1.78	69	-3.18
10	1.55	30	-1.20	50	-1.70	70	-3.40
11	1.52	31	-1.34	51	-1.74	71	-3.53
12	1.47	32	-1.16	52	-1.77	72	-3.77
13	1.18	33	-1.12	53	-1.83	73	-3.48
14	0.93	34	-1.14	54	-2.28	74	-3.17
15	0.69	35	-1.16	55	-2.40	75	-3.10
16	0.44	36	-1.20	56	-2.70	76	-3.20
17	0.31	37	-1.31	57	-2.60	77	-3.26
18	0.16	38	-1.61	58	-2.47	78	-3.51
19	0.0	39	-1.76	59	-2.45	79	-3.70
20	-0.08	40	-1.90	60	-2.60	80	-3.75

1	-0.54	6	-0.51	11	-0.30	16	-0.12
2	-0.59	7	-0.46	12	-0.26	17	-0.07
3	-0.62	8	-0.54	13	-0.25	18	-0.01
4	-0.65	9	-0.59	14	-0.26	19	0.01
5	-0.76	10	-0.50	15	-0.20	20	0.04

1/29/1981			
NO.	Z(M)	NO.	Z(M)
1	2.28	21	-0.20
2	2.16	22	-0.21
3	2.08	23	-0.25
4	1.98	24	-0.30
5	1.87	25	-0.40
6	1.72	26	-0.45
7	1.66	27	-0.48
8	1.55	28	-0.50
9	1.54	29	-0.53
10	1.57	30	-0.74
11	1.55	31	-1.11
12	1.48	32	-0.95
13	1.21	33	-0.80
14	1.04	34	-0.82
15	0.86	35	-0.84
16	0.69	36	-0.84
17	0.50	37	-0.95
18	0.34	38	-1.00
19	0.15	39	-1.20
20	-0.05	40	-1.81

1	-0.30	6	-0.66
2	-0.33	7	-0.46
3	-0.37	8	-0.44
4	-0.57	9	-0.37
5	-0.55	10	-0.34

2/ 5/1981			
NO.	Z(M)	NO.	Z(M)
1	2.32	21	-0.10
2	2.22	22	-0.14
3	2.12	23	-0.25
4	2.05	24	-0.27
5	1.99	25	-0.38
6	1.93	26	-0.45
7	1.82	27	-0.60
8	1.75	28	-0.69
9	1.59	29	-0.82
10	1.49	30	-0.92
11	1.30	31	-1.30
12	1.11	32	-1.18
13	0.99	33	-1.10
14	0.82	34	-1.12
15	0.65	35	-1.07
16	0.53	36	-1.10
17	0.45	37	-1.18
18	0.30	38	-1.28
19	0.20	39	-1.56
20	0.05	40	-1.75

1	-0.15	6	0.12
2	-0.16	7	0.12
3	-0.13	8	0.15
4	-0.10	9	0.16
5	-0.11	10	0.15

2/12/1981			
NO.	Z(M)	NO.	Z(M)
1	2.36	21	-0.22
2	2.25	22	-0.66
3	2.16	23	-0.70
4	2.05	24	-0.75
5	2.00	25	-0.80
6	1.94	26	-0.85
7	1.85	27	-0.92
8	1.74	28	-0.97
9	1.60	29	-1.32
10	1.44	30	-1.21
11	1.28	31	-1.50
12	1.12	32	-0.88
13	1.02	33	-0.81
14	0.91	34	-0.81
15	0.79	35	-1.07
16	0.65	36	-1.13
17	0.53	37	-1.44
18	0.33	38	-1.90
19	0.09	39	-1.96
20	-0.04	40	-2.11

1	-0.80	6	0.09
2	-0.52	7	0.11
3	-0.57	8	0.15
4	-0.15	9	0.14
5	0.03	10	0.15

2/19/1981			
NO.	Z(M)	NO.	Z(M)
1	2.35	21	-0.35
2	2.23	22	-0.30
3	2.15	23	-0.45
4	2.09	24	-0.60
5	2.01	25	-0.57
6	1.94	26	-0.51
7	1.87	27	-0.58
8	1.75	28	-0.65
9	1.65	29	-0.66
10	1.54	30	-0.94
11	1.33	31	-1.79
12	1.11	32	-1.42
13	0.89	33	-1.47
14	0.69	34	-1.58
15	0.51	35	-2.10
16	0.42	36	-1.70
17	0.22	37	-1.41
18	0.10	38	-1.42
19	-0.33	39	-1.36
20	-0.16	40	-1.95

1	-0.36	6	-0.11
2	-0.29	7	-0.02
3	-0.24	8	0.10
4	-0.23	9	0.16
5	-0.15	10	0.15

2/26/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	-0.20	41	-2.30	61	-2.22
2	2.37	22	-0.21	42	-1.99	62	-2.32
3	2.24	23	-0.27	43	-1.82	63	-2.71
4	2.16	24	-0.43	44	-1.88	64	-3.33
5	2.07	25	-0.45	45	-2.02	65	-3.25
6	2.00	26	-0.53	46	-2.13	66	-2.73
7	1.94	27	-0.61	47	-2.52	67	-2.05
8	1.90	28	-0.70	48	-3.10	68	-2.39
9	1.83	29	-0.73	49	-3.20	69	-2.30
10	1.62	30	-0.90	50	-3.18	70	-2.32
11	1.44	31	-1.42	51	-2.44	71	-2.44
12	1.23	32	-0.98	52	-2.47	72	-2.91
13	1.08	33	-0.92	53	-2.34	73	-3.00
14	0.90	34	-0.85	54	-2.38	74	-2.31
15	0.75	35	-0.87	55	-2.63	75	-2.10
16	0.45	36	-0.90	56	-3.45	76	-2.10
17	0.40	37	-0.93	57	-3.29	77	-2.20
18	0.26	38	-0.90	58	-2.80	78	-2.36
19	0.17	39	-1.10	59	-2.25	79	-2.72
20	0.05	40	-1.42	60	-2.20	80	-3.30

1	-0.09	6	0.04	11	-0.07	16	-0.03
2	-0.12	7	0.09	12	-0.02	17	-0.02
3	-0.06	8	0.11	13	-0.01	18	0.04
4	-0.03	9	0.09	14	-0.01	19	0.02
5	0.01	10	0.13	15	-0.03	20	-0.02

3/ 5/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.29	41	-2.46	61	-2.48
2	2.24	22	0.18	42	-1.82	62	-2.69
3	2.17	23	0.08	43	-1.35	63	-3.37
4	2.09	24	-0.03	44	-1.41	64	-3.38
5	2.02	25	-0.17	45	-1.46	65	-3.11
6	1.96	26	-0.32	46	-1.82	66	-2.33
7	1.87	27	-0.69	47	-2.90	67	-2.15
8	1.82	28	-0.76	48	-3.19	68	-2.12
9	1.74	29	-0.90	49	-2.64	69	-2.11
10	1.59	30	-0.80	50	-2.16	70	-2.15
11	1.40	31	-1.42	51	-2.10	71	-2.50
12	1.28	32	-1.00	52	-2.11	72	-2.86
13	1.15	33	-1.00	53	-2.14	73	-2.42
14	1.05	34	-1.16	54	-2.46	74	-1.93
15	0.94	35	-1.28	55	-2.95	75	-2.88
16	0.83	36	-1.29	56	-3.41	76	-1.90
17	0.73	37	-1.41	57	-2.96	77	-2.00
18	0.61	38	-1.40	58	-2.33	78	-2.18
19	0.49	39	-1.45	59	-2.26	79	-2.62
20	0.35	40	-1.77	60	-2.39	80	-3.14

1	0.23	6	0.37	11	0.18	16	0.14
2	0.29	7	0.45	12	0.17	17	0.18
3	0.28	8	0.39	13	0.17	18	0.24
4	0.35	9	0.31	14	0.15	19	0.28
5	0.36	10	0.20	15	0.16	20	0.28

3/12/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.20	41	-2.20	61	-2.24
2	2.29	22	0.13	42	-1.52	62	-2.53
3	2.14	23	0.0	43	-1.47	63	-2.95
4	2.07	24	-0.05	44	-1.45	64	-3.85
5	2.00	25	-0.15	45	-1.57	65	-3.40
6	1.95	26	-0.25	46	-1.63	66	-2.78
7	1.85	27	-0.30	47	-2.20	67	-2.63
8	1.75	28	-0.40	48	-2.75	68	-2.58
9	1.65	29	-0.46	49	-2.36	69	-2.64
10	1.55	30	-0.53	50	-1.95	70	-2.77
11	1.43	31	-0.63	51	-1.85	71	-3.10
12	1.36	32	-0.75	52	-1.82	72	-3.68
13	1.21	33	-0.85	53	-1.89	73	-3.75
14	1.10	34	-0.90	54	-2.00	74	-2.77
15	1.01	35	-1.00	55	-2.35	75	-2.68
16	0.92	36	-1.07	56	-3.40	76	-2.57
17	0.83	37	-1.14	57	-3.15	77	-2.65
18	0.70	38	-1.16	58	-2.27	78	-2.66
19	0.59	39	-1.60	59	-2.15	79	-2.76
20	0.47	40	-1.85	60	-2.18	80	-3.60

1	0.29	6	0.14	11	0.22	16	0.17
2	0.24	7	0.12	12	0.21	17	0.14
3	0.19	8	0.06	13	0.20	18	0.10
4	0.18	9	-0.01	14	0.15	19	0.07
5	0.17	10	-0.04	15	0.16	20	0.07

3/19/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.75	41	-2.30	61	-2.69
2	2.30	22	0.38	42	-1.60	62	-3.09
3	2.20	23	0.07	43	-1.13	63	-3.34
4	2.06	24	-0.28	44	-1.03	64	-3.48
5	2.02	25	-0.95	45	-1.00	65	-3.07
6	1.93	26	-0.94	46	-1.10	66	-2.52
7	1.84	27	-0.85	47	-1.43	67	-2.45
8	1.73	28	-1.00	48	-1.91	68	-2.43
9	1.67	29	-1.15	49	-1.54	69	-2.48
10	1.55	30	-1.27	50	-1.25	70	-2.54
11	1.46	31	-1.82	51	-1.40	71	-2.45
12	1.35	32	-1.33	52	-1.68	72	-3.06
13	1.23	33	-1.29	53	-1.83	73	-2.57
14	1.17	34	-1.53	54	-2.21	74	-1.90
15	1.07	35	-1.59	55	-2.43	75	-1.92
16	1.09	36	-1.45	56	-2.97	76	-2.00
17	1.15	37	-1.32	57	-2.50	77	-2.18
18	1.20	38	-1.55	58	-2.14	78	-2.44
19	1.25	39	-1.12	59	-2.10	79	-2.66
20	1.14	40	-1.84	60	-2.48	80	-3.27

1	0.57	6	0.14	11	0.44	16	0.09
2	0.45	7	-0.01	12	0.39	17	0.08
3	0.31	8	-0.16	13	0.32	18	0.08
4	0.22	9	-0.44	14	0.23	19	0.10
5	0.22	10	-0.37	15	0.17	20	0.09

3/26/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.31	41	-2.41	61	-4.04
2	2.26	22	0.23	42	-1.73	62	-3.23
3	2.16	23	0.10	43	-1.26	63	-3.16
4	2.03	24	-0.05	44	-1.21	64	-3.54
5	1.99	25	-0.15	45	-1.18	65	-3.45
6	1.93	26	-0.25	46	-1.25	66	-2.40
7	1.83	27	-0.33	47	-1.47	67	-2.11
8	1.72	28	-0.45	48	-2.16	68	-2.13
9	1.64	29	-0.50	49	-1.98	69	-2.10
10	1.55	30	-0.59	50	-1.42	70	-2.43
11	1.48	31	-1.37	51	-1.30	71	-2.65
12	1.43	32	-0.04	52	-1.55	72	-3.45
13	1.41	33	-0.78	53	-2.25	73	-3.44
14	1.42	34	-0.85	54	-2.65	74	-2.85
15	1.43	35	-0.83	55	-3.10	75	-2.40
16	1.38	36	-0.88	56	-3.50	76	-2.45
17	1.15	37	-1.01	57	-3.60	77	-2.28
18	0.91	38	-1.15	58	-2.85	78	-2.43
19	0.72	39	-1.27	59	-2.78	79	-2.70
20	0.53	40	-1.30	60	-2.86	80	-3.05

1	0.29	6	0.14	11	0.31	16	-0.01
2	0.26	7	0.11	12	0.33	17	-0.18
3	0.26	8	0.10	13	0.31	18	-0.07
4	0.23	9	-0.00	14	0.27	19	-0.23
5	0.15	10	-0.03	15	0.17	20	-0.36

4/ 2/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	0.29	41	-2.28	61	-2.15
2	2.21	22	0.18	42	-1.90	62	-2.30
3	2.17	23	0.08	43	-1.81	63	-2.70
4	2.11	24	-0.03	44	-1.90	64	-3.30
5	2.01	25	-0.17	45	-2.00	65	-3.20
6	1.89	26	-0.22	46	-2.29	66	-2.75
7	1.86	27	-0.48	47	-2.52	67	-2.10
8	1.83	28	-0.60	48	-3.10	68	-2.40
9	1.74	29	-0.62	49	-3.12	69	-2.30
10	1.59	30	-0.97	50	-2.90	70	-2.50
11	1.41	31	-1.22	51	-2.48	71	-2.87
12	1.31	32	-0.89	52	-2.30	72	-2.97
13	1.14	33	-0.85	53	-2.30	73	-2.99
14	1.04	34	-1.02	54	-2.38	74	-2.40
15	0.95	35	-1.08	55	-2.63	75	-2.08
16	0.82	36	-1.09	56	-3.50	76	-2.05
17	0.72	37	-1.21	57	-3.10	77	-2.19
18	0.70	38	-1.20	58	-2.82	78	-2.42
19	0.49	39	-1.20	59	-2.20	79	-2.82
20	0.35	40	-1.58	60	-2.17	80	-3.30

1	0.20	6	0.36	11	0.18	16	0.10
2	0.26	7	0.43	12	0.16	17	0.13
3	0.25	8	0.42	13	0.14	18	0.18
4	0.32	9	0.36	14	0.11	19	0.21
5	0.34	10	0.26	15	0.13	20	0.23

4/ 9/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.33	41	-1.92	61	-2.30
2	2.56	22	0.13	42	-1.16	62	-2.60
3	2.45	23	0.02	43	-1.03	63	-2.55
4	2.36	24	-0.06	44	-1.40	64	-3.07
5	2.33	25	-0.25	45	-1.23	65	-2.70
6	2.28	26	-0.45	46	-1.50	66	-1.97
7	2.22	27	-0.73	47	-1.90	67	-1.99
8	2.13	28	-0.70	48	-2.00	68	-2.21
9	2.04	29	-0.80	49	-1.78	69	-2.45
10	1.97	30	-0.98	50	-1.80	70	-2.80
11	1.96	31	-1.30	51	-2.03	71	-2.86
12	1.99	32	-1.10	52	-2.00	72	-3.00
13	1.78	33	-1.16	53	-2.12	73	-2.96
14	1.64	34	-1.09	54	-2.52	74	-2.30
15	1.50	35	-1.00	55	-2.80	75	-2.36
16	1.35	36	-0.90	56	-2.85	76	-2.20
17	1.08	37	-0.93	57	-2.58	77	-2.35
18	0.75	38	-1.03	58	-2.46	78	-2.50
19	0.58	39	-1.00	59	-2.20	79	-2.98
20	0.50	40	-0.96	60	-2.21	80	-3.50

1	0.28	6	0.14	11	0.24	16	0.19
2	0.25	7	0.13	12	0.27	17	0.14
3	0.25	8	0.10	13	0.26	18	0.12
4	0.22	9	0.07	14	0.26	19	0.11
5	0.18	10	0.04	15	0.23	20	0.07

4/16/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.33	41	-1.78	61	-2.10
2	2.33	22	0.18	42	-1.10	62	-2.50
3	2.13	23	0.05	43	-1.03	63	-2.65
4	2.04	24	-0.05	44	-1.10	64	-3.14
5	1.99	25	-0.15	45	-1.23	65	-2.80
6	1.92	26	-0.27	46	-1.49	66	-1.96
7	1.81	27	-0.36	47	-1.83	67	-1.98
8	1.72	28	-0.46	48	-2.15	68	-2.13
9	1.62	29	-0.50	49	-1.57	69	-2.45
10	1.54	30	-0.70	50	-1.57	70	-2.87
11	1.46	31	-1.15	51	-1.65	71	-2.90
12	1.43	32	-1.09	52	-1.81	72	-3.15
13	1.44	33	-1.09	53	-2.01	73	-2.83
14	1.48	34	-1.03	54	-2.42	74	-2.24
15	1.50	35	-1.03	55	-2.80	75	-2.21
16	1.40	36	-0.90	56	-3.30	76	-2.16
17	1.17	37	-0.90	57	-2.60	77	-2.31
18	0.93	38	-1.03	58	-2.27	78	-2.47
19	0.66	39	-1.03	59	-2.15	79	-2.83
20	0.49	40	-1.00	60	-2.16	80	-3.25

1	0.21	6	0.13	11	0.20	16	0.11
2	0.20	7	0.11	12	0.21	17	0.05
3	0.21	8	0.10	13	0.20	18	0.01
4	0.17	9	0.07	14	0.17	19	-0.00
5	0.15	10	0.06	15	0.15	20	-0.02

4/23/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	0.27	41	-1.25	61	-1.75
2	2.36	22	0.12	42	-1.33	62	-1.90
3	2.23	23	0.03	43	-1.35	63	-2.37
4	2.13	24	0.02	44	-1.37	64	-2.79
5	2.02	25	-0.05	45	-1.40	65	-2.26
6	1.91	26	-0.07	46	-1.45	66	-2.37
7	1.79	27	-0.15	47	-1.45	67	-2.40
8	1.65	28	-0.25	48	-2.25	68	-2.61
9	1.54	29	-0.32	49	-2.21	69	-2.95
10	1.44	30	-0.45	50	-2.00	70	-3.49
11	1.34	31	-0.43	51	-1.71	71	-3.72
12	1.24	32	-0.45	52	-1.65	72	-4.07
13	1.15	33	-0.70	53	-1.62	73	-3.57
14	1.09	34	-0.75	54	-1.54	74	-3.40
15	0.99	35	-0.83	55	-2.00	75	-3.60
16	0.88	36	-0.85	56	-2.19	76	-3.83
17	0.80	37	-0.99	57	-1.72	77	-4.42
18	0.67	38	-1.01	58	-1.71	78	-4.42
19	0.51	39	-1.00	59	-1.68	79	-4.49
20	0.33	40	-1.07	60	-1.73	80	-4.65

1	0.25	6	-0.85	11	0.25	16	0.52
2	0.17	7	-0.93	12	0.29	17	0.44
3	-0.05	8	-1.03	13	0.35	18	0.39
4	-0.38	9	-1.15	14	0.45	19	0.34
5	-0.74	10	-0.97	15	0.49	20	0.25

4/30/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.25	21	0.22	41	-1.86	61	-2.20
2	2.11	22	0.18	42	-1.30	62	-2.41
3	2.09	23	0.04	43	-1.36	63	-2.63
4	2.00	24	0.06	44	-1.42	64	-3.02
5	2.05	25	-0.07	45	-1.46	65	-2.68
6	2.01	26	-0.18	46	-1.51	66	-2.40
7	1.98	27	-0.32	47	-1.67	67	-2.51
8	1.91	28	-0.38	48	-2.31	68	-2.72
9	1.88	29	-0.41	49	-2.23	69	-2.90
10	1.77	30	-0.43	50	-2.04	70	-3.38
11	1.68	31	-0.47	51	-1.96	71	-3.73
12	1.45	32	-0.51	52	-2.01	72	-3.81
13	1.28	33	-0.70	53	-2.07	73	-2.98
14	1.10	34	-0.72	54	-2.52	74	-2.50
15	0.98	35	-0.84	55	-2.64	75	-2.52
16	0.82	36	-0.93	56	-2.83	76	-2.74
17	0.70	37	-0.98	57	-2.62	77	-2.96
18	0.65	38	-1.13	58	-2.83	78	-2.92
19	0.41	39	-1.00	59	-1.85	79	-3.18
20	0.33	40	-1.14	60	-2.18	80	-3.63

1	0.19	6	0.18	11	0.25	16	0.33
2	0.17	7	0.22	12	0.29	17	0.35
3	0.09	8	0.23	13	0.29	18	0.41
4	0.08	9	0.17	14	0.32	19	0.45
5	0.12	10	0.09	15	0.33	20	0.49

5/ 7/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.29	41	-1.90	61	-2.47
2	2.24	22	0.20	42	-1.45	62	-3.55
3	2.13	23	0.12	43	-1.41	63	-3.55
4	2.04	24	0.03	44	-1.44	64	-3.96
5	1.96	25	-0.06	45	-1.68	65	-3.66
6	1.90	26	-0.23	46	-2.15	66	-2.95
7	1.81	27	-0.42	47	-2.40	67	-2.70
8	1.73	28	-0.53	48	-2.70	68	-2.60
9	1.69	29	-0.65	49	-2.15	69	-2.94
10	1.64	30	-0.72	50	-2.00	70	-3.04
11	1.61	31	-1.10	51	-2.05	71	-3.75
12	1.50	32	-1.25	52	-2.03	72	-3.85
13	1.36	33	-1.35	53	-1.97	73	-3.60
14	1.22	34	-1.15	54	-1.98	74	-2.56
15	1.05	35	-1.13	55	-2.45	75	-2.50
16	0.89	36	-1.16	56	-3.00	76	-2.55
17	0.74	37	-1.41	57	-3.18	77	-2.55
18	0.62	38	-1.35	58	-2.50	78	-2.70
19	0.49	39	-1.35	59	-2.37	79	-2.86
20	0.39	40	-1.70	60	-2.37	80	-3.46

1	0.19	6	-0.18	11	0.27	16	0.32
2	0.12	7	-0.23	12	0.29	17	0.35
3	0.03	8	-0.21	13	0.28	18	0.38
4	0.01	9	-0.11	14	0.29	19	0.39
5	-0.09	10	-0.08	15	0.31	20	0.39

5/14/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	-0.12	41	-2.15	61	-2.70
2	2.31	22	-0.15	42	-1.53	62	-3.25
3	2.19	23	-0.20	43	-1.35	63	-3.55
4	2.04	24	-0.30	44	-1.28	64	-3.65
5	1.99	25	-0.40	45	-1.37	65	-3.58
6	1.94	26	-0.48	46	-1.50	66	-3.35
7	1.84	27	-0.54	47	-2.57	67	-3.08
8	1.75	28	-0.60	48	-2.68	68	-3.25
9	1.71	29	-0.65	49	-2.54	69	-2.88
10	1.68	30	-0.70	50	-2.35	70	-2.90
11	1.67	31	-1.00	51	-2.40	71	-2.85
12	1.54	32	-1.00	52	-2.76	72	-3.40
13	1.38	33	-0.87	53	-3.00	73	-3.56
14	1.17	34	-0.88	54	-3.20	74	-3.27
15	0.96	35	-0.90	55	-3.35	75	-2.60
16	0.73	36	-0.95	56	-3.50	76	-2.11
17	0.57	37	-0.95	57	-3.05	77	-2.05
18	0.39	38	-0.98	58	-2.55	78	-2.25
19	0.18	39	-1.07	59	-2.48	79	-2.16
20	0.03	40	-1.40	60	-2.58	80	-3.08

1	0.29	6	0.21	11	0.25	16	0.29
2	0.12	7	0.23	12	0.45	17	0.41
3	0.31	8	0.32	13	0.26	18	0.46
4	0.41	9	0.36	14	0.22	19	0.65
5	0.41	10	0.34	15	0.24	20	0.52

5/21/1981					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.07	41	-1.65
2	2.30	22	-0.02	42	-1.45
3	2.15	23	-0.09	43	-1.29
4	2.01	24	-0.16	44	-1.24
5	1.97	25	-0.23	45	-1.26
6	1.93	26	-0.30	46	-1.39
7	1.88	27	-0.37	47	-1.52
8	1.85	28	-0.43	48	-2.35
9	1.81	29	-0.48	49	-2.25
10	1.62	30	-0.54	50	-1.58
11	1.51	31	-0.88	51	-1.52
12	1.39	32	-0.70	52	-1.60
13	1.24	33	-0.71	53	-1.73
14	1.09	34	-0.75	54	-1.95
15	0.92	35	-0.75	55	-2.42
16	0.78	36	-0.79	56	-3.18
17	0.65	37	-0.83	57	-3.16
18	0.47	38	-0.85	58	-2.64
19	0.35	39	-0.90	59	-2.57
20	0.22	40	-0.94	60	-2.76

1	0.04	6	0.07	11	0.04
2	0.03	7	0.04	12	0.07
3	0.07	8	0.02	13	0.10
4	0.09	9	-0.01	14	0.11
5	0.12	10	-0.04	15	0.12

5/28/1981					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.30	41	-2.15
2	2.28	22	0.16	42	-1.56
3	2.15	23	0.06	43	-1.03
4	2.03	24	-0.08	44	-0.94
5	1.98	25	-0.18	45	-0.95
6	1.93	26	-0.26	46	-1.03
7	1.90	27	-0.33	47	-1.10
8	1.83	28	-0.34	48	-1.77
9	1.77	29	-0.37	49	-1.56
10	1.66	30	-0.39	50	-1.28
11	1.53	31	-0.96	51	-1.25
12	1.39	32	-0.51	52	-1.36
13	1.29	33	-0.56	53	-1.53
14	1.11	34	-0.86	54	-1.76
15	0.99	35	-0.85	55	-2.49
16	0.92	36	-0.77	56	-3.11
17	0.85	37	-0.76	57	-2.90
18	0.74	38	-0.94	58	-2.59
19	0.65	39	-1.06	59	-2.60
20	0.50	40	-1.35	60	-2.71

1	0.25	6	0.11	11	0.21
2	0.20	7	0.10	12	0.20
3	0.17	8	0.06	13	0.23
4	0.17	9	0.07	14	0.16
5	0.17	10	0.10	15	0.13

6/4/1981					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.35	41	-1.17
2	2.30	22	0.28	42	-1.07
3	2.16	23	0.19	43	-1.11
4	2.03	24	0.09	44	-1.18
5	2.00	25	0.0	45	-1.30
6	1.93	26	-0.20	46	-1.30
7	1.89	27	-0.31	47	-1.37
8	1.79	28	-0.48	48	-1.80
9	1.79	29	-0.64	49	-1.56
10	1.63	30	-0.78	50	-1.74
11	1.59	31	-1.54	51	-1.85
12	1.50	32	-1.10	52	-2.12
13	1.38	33	-0.91	53	-2.20
14	1.25	34	-0.90	54	-2.40
15	1.08	35	-0.87	55	-3.06
16	0.94	36	-0.87	56	-3.40
17	0.80	37	-0.88	57	-3.10
18	0.70	38	-0.90	58	-2.73
19	0.57	39	-0.90	59	-2.90
20	0.45	40	-0.90	60	-3.00

1	0.32	6	-0.06	11	0.27
2	0.33	7	-0.09	12	0.25
3	0.27	8	0.02	13	0.21
4	0.13	9	0.04	14	0.18
5	0.01	10	0.11	15	0.20

6/11/1981					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.10	41	-1.56
2	2.24	22	-0.10	42	-1.40
3	2.11	23	-0.54	43	-1.48
4	2.02	24	-0.62	44	-1.54
5	1.96	25	-0.67	45	-1.64
6	1.92	26	-0.72	46	-2.04
7	1.87	27	-0.74	47	-2.24
8	1.79	28	-0.51	48	-2.36
9	1.69	29	-0.28	49	-2.41
10	1.62	30	-0.37	50	-2.54
11	1.55	31	-0.67	51	-2.50
12	1.48	32	-0.30	52	-2.53
13	1.39	33	-0.35	53	-2.18
14	1.29	34	-0.44	54	-2.53
15	1.14	35	-0.48	55	-2.90
16	1.10	36	-0.63	56	-3.30
17	1.03	37	-0.66	57	-3.00
18	0.89	38	-0.71	58	-2.78
19	0.72	39	-0.96	59	-2.95
20	0.40	40	-1.28	60	-3.30

1	-0.11	6	0.20	11	0.00
2	0.07	7	0.29	12	0.30
3	0.11	8	0.33	13	0.49
4	0.13	9	0.33	14	0.43
5	0.13	10	0.32	15	0.43

6/18/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.25	41	-1.64	61	-2.90
2	2.29	22	0.13	42	-1.35	62	-2.91
3	2.14	23	0.03	43	-1.60	63	-2.99
4	2.02	24	-0.07	44	-2.35	64	-2.97
5	1.98	25	-0.12	45	-2.53	65	-2.26
6	1.94	26	-0.20	46	-2.68	66	-2.02
7	1.90	27	-0.25	47	-2.81	67	-2.00
8	1.87	28	-0.29	48	-3.00	68	-2.13
9	1.78	29	-0.33	49	-2.84	69	-2.21
10	1.67	30	-0.39	50	-2.63	70	-2.30
11	1.58	31	-0.67	51	-2.58	71	-2.42
12	1.51	32	-0.47	52	-2.57	72	-2.75
13	1.41	33	-0.52	53	-2.58	73	-2.24
14	1.32	34	-0.62	54	-2.56	74	-2.18
15	1.20	35	-0.66	55	-3.05	75	-2.32
16	1.15	36	-0.75	56	-3.88	76	-2.43
17	1.10	37	-0.80	57	-3.47	77	-2.58
18	0.88	38	-0.85	58	-3.10	78	-2.66
19	0.58	39	-0.91	59	-3.03	79	-2.79
20	0.45	40	-1.38	60	-2.94	80	-3.27

1	0.20	6	0.23	11	0.30	16	0.47
2	0.19	7	0.27	12	0.40	17	0.45
3	0.13	8	0.34	13	0.43	18	0.43
4	0.18	9	0.39	14	0.51	19	0.39
5	0.18	10	0.43	15	0.47	20	0.36

6/25/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.10	41	-1.80	61	-3.72
2	2.29	22	0.01	42	-1.44	62	-3.72
3	2.16	23	-0.31	43	-1.14	63	-3.68
4	2.03	24	-0.25	44	-1.13	64	-3.80
5	1.98	25	-0.19	45	-1.25	65	-3.25
6	1.95	26	-0.18	46	-1.47	66	-2.84
7	1.90	27	-0.18	47	-1.72	67	-2.58
8	1.83	28	-0.20	48	-2.80	68	-2.50
9	1.79	29	-0.21	49	-3.09	69	-2.45
10	1.71	30	-0.27	50	-3.06	70	-2.46
11	1.59	31	-0.54	51	-3.04	71	-2.45
12	1.38	32	-0.38	52	-2.90	72	-2.65
13	1.21	33	-0.45	53	-2.93	73	-2.25
14	1.04	34	-0.52	54	-3.20	74	-2.09
15	0.90	35	-0.59	55	-3.50	75	-2.16
16	0.75	36	-0.78	56	-3.65	76	-2.21
17	0.64	37	-1.00	57	-3.68	77	-2.28
18	0.49	38	-1.16	58	-3.70	78	-2.48
19	0.35	39	-1.28	59	-3.75	79	-2.50
20	0.20	40	-1.41	60	-3.73	80	-2.95

1	0.02	6	0.09	11	0.07	16	0.15
2	-0.04	7	0.11	12	0.10	17	0.18
3	-0.08	8	0.05	13	0.12	18	0.24
4	-0.03	9	-0.01	14	0.14	19	0.27
5	0.03	10	-0.08	15	0.15	20	0.33

7/ 2/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.20	41	-1.72	61	-2.97
2	2.28	22	-0.12	42	-1.48	62	-3.50
3	2.15	23	-0.21	43	-1.36	63	-3.92
4	2.03	24	-0.36	44	-1.42	64	-4.06
5	1.98	25	-0.44	45	-1.42	65	-4.04
6	1.94	26	-0.42	46	-1.68	66	-4.02
7	1.89	27	-0.64	47	-2.24	67	-3.83
8	1.88	28	-0.72	48	-2.61	68	-3.92
9	1.83	29	-0.73	49	-2.73	69	-3.96
10	1.75	30	-0.87	50	-1.58	70	-3.98
11	1.63	31	-1.12	51	-1.62	71	-4.18
12	1.45	32	-0.63	52	-1.66	72	-4.12
13	1.29	33	-0.72	53	-1.76	73	-3.97
14	1.14	34	-0.86	54	-1.78	74	-3.82
15	0.98	35	-0.84	55	-2.50	75	-3.76
16	0.64	36	-0.78	56	-3.21	76	-3.75
17	0.58	37	-1.16	57	-2.93	77	-3.73
18	0.45	38	-1.21	58	-2.63	78	-3.75
19	0.38	39	-1.40	59	-2.59	79	-3.83
20	0.27	40	-1.73	60	-2.71	80	-3.96

1	0.21	6	0.15	11	0.17	16	0.18
2	0.21	7	0.15	12	0.18	17	0.17
3	0.20	8	0.14	13	0.18	18	0.17
4	0.18	9	0.12	14	0.20	19	0.19
5	0.17	10	0.08	15	0.21	20	0.22

7/ 9/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.30	41	-0.95	61	-3.25
2	2.29	22	0.20	42	-0.60	62	-3.45
3	2.16	23	0.05	43	-0.62	63	-3.77
4	2.04	24	-0.04	44	-0.70	64	-4.05
5	1.99	25	-0.12	45	-0.89	65	-3.77
6	1.94	26	-0.21	46	-1.18	66	-3.20
7	1.91	27	-0.28	47	-1.75	67	-2.90
8	1.86	28	-0.26	48	-2.40	68	-2.73
9	1.78	29	-0.29	49	-2.25	69	-2.56
10	1.70	30	-0.32	50	-2.65	70	-2.62
11	1.60	31	-0.60	51	-2.70	71	-2.61
12	1.46	32	-0.38	52	-2.85	72	-2.70
13	1.33	33	-0.34	53	-3.08	73	-2.05
14	1.18	34	-0.37	54	-3.47	74	-1.93
15	1.05	35	-0.40	55	-3.61	75	-2.04
16	0.94	36	-0.38	56	-3.82	76	-2.20
17	0.84	37	-0.40	57	-3.37	77	-2.38
18	0.69	38	-0.54	58	-3.24	78	-2.50
19	0.57	39	-0.48	59	-3.18	79	-2.66
20	0.45	40	-0.55	60	-3.19	80	-3.10

1	0.26	6	0.21	11	0.31	16	0.18
2	0.27	7	0.24	12	0.31	17	0.16
3	0.24	8	0.29	13	0.27	18	0.16
4	0.21	9	0.26	14	0.23	19	0.21
5	0.20	10	0.30	15	0.20	20	0.22

7/16/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.69	41	-0.80	61	-3.20
2	2.25	22	0.58	42	-0.94	62	-3.34
3	2.14	23	0.40	43	-1.06	63	-3.57
4	2.03	24	0.24	44	-1.20	64	-3.65
5	1.98	25	0.12	45	-1.47	65	-3.00
6	1.89	26	0.04	46	-1.75	66	-2.72
7	1.86	27	-0.03	47	-1.98	67	-2.60
8	1.79	28	-0.04	48	-2.28	68	-2.96
9	1.83	29	-0.06	49	-2.07	69	-2.27
10	1.71	30	-0.10	50	-2.33	70	-2.16
11	1.61	31	-0.16	51	-2.57	71	-2.25
12	1.47	32	-0.16	52	-2.77	72	-2.30
13	1.31	33	-0.25	53	-3.05	73	-1.90
14	1.18	34	-0.35	54	-3.25	74	-2.00
15	1.06	35	-0.43	55	-3.45	75	-2.20
16	1.00	36	-0.50	56	-3.53	76	-2.36
17	0.91	37	-0.55	57	-3.18	77	-2.54
18	0.86	38	-0.61	58	-3.10	78	-2.60
19	0.83	39	-0.67	59	-3.07	79	-2.73
20	0.75	40	-0.74	60	-3.10	80	-2.95

1	0.53	6	0.25	11	0.63	16	0.22
2	0.49	7	0.20	12	0.55	17	0.25
3	0.36	8	0.16	13	0.45	18	0.06
4	0.32	9	0.11	14	0.32	19	0.02
5	0.28	10	0.22	15	0.25	20	0.21

7/23/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.51	41	-1.16	61	-3.15
2	2.18	22	0.44	42	-0.85	62	-2.95
3	2.13	23	0.33	43	-0.87	63	-3.10
4	2.03	24	0.20	44	-0.94	64	-3.50
5	1.98	25	0.10	45	-1.05	65	-3.66
6	1.90	26	-0.03	46	-1.36	66	-2.40
7	1.85	27	-0.13	47	-2.10	67	-2.13
8	1.84	28	-0.20	48	-2.96	68	-2.03
9	1.83	29	-0.30	49	-2.67	69	-2.05
10	1.72	30	-0.41	50	-2.33	70	-2.10
11	1.63	31	-0.77	51	-2.56	71	-2.28
12	1.48	32	-0.55	52	-2.60	72	-2.80
13	1.37	33	-0.57	53	-2.78	73	-2.57
14	1.29	34	-0.58	54	-2.95	74	-2.10
15	1.22	35	-0.60	55	-3.80	75	-2.05
16	1.15	36	-0.64	56	-3.89	76	-2.18
17	1.05	37	-0.64	57	-3.65	77	-2.44
18	0.93	38	-0.65	58	-3.26	78	-2.50
19	0.82	39	-0.66	59	-3.40	79	-2.70
20	0.69	40	-0.70	60	-3.18	80	-3.30

1	0.47	6	0.40	11	0.63	16	0.48
2	0.49	7	0.42	12	0.60	17	0.49
3	0.40	8	0.35	13	0.53	18	0.55
4	0.38	9	0.34	14	0.50	19	0.52
5	0.41	10	0.38	15	0.47	20	0.49

7/30/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.44	41	-1.71	61	-2.20
2	2.26	22	0.40	42	-1.44	62	-2.56
3	2.17	23	0.27	43	-1.52	63	-3.05
4	2.10	24	0.16	44	-1.27	64	-3.32
5	2.01	25	0.04	45	-1.65	65	-3.51
6	2.05	26	0.0	46	-2.42	66	-2.58
7	1.91	27	-0.05	47	-2.85	67	-2.43
8	1.86	28	-0.10	48	-3.23	68	-2.38
9	1.80	29	-0.18	49	-3.10	69	-2.42
10	1.76	30	-0.30	50	-2.86	70	-2.90
11	1.63	31	-0.65	51	-2.75	71	-3.32
12	1.49	32	-0.45	52	-2.52	72	-3.88
13	1.33	33	-0.47	53	-2.63	73	-3.65
14	1.19	34	-0.66	54	-2.90	74	-3.32
15	1.09	35	-0.71	55	-3.31	75	-2.55
16	0.90	36	-0.80	56	-3.25	76	-2.60
17	0.86	37	-0.83	57	-3.10	77	-2.54
18	0.77	38	-0.90	58	-2.90	78	-2.65
19	0.67	39	-0.92	59	-2.80	79	-2.78
20	0.57	40	-0.99	60	-2.16	80	-3.80

1	0.49	6	0.40	11	0.54	16	0.54
2	0.48	7	0.46	12	0.52	17	0.53
3	0.47	8	0.55	13	0.54	18	0.49
4	0.48	9	0.55	14	0.56	19	0.45
5	0.45	10	0.54	15	0.54	20	0.46

8/ 6/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.08	41	-1.28	61	-3.58
2	2.30	22	0.04	42	-0.95	62	-3.12
3	2.18	23	-0.04	43	-0.94	63	-3.34
4	2.13	24	-0.12	44	-1.00	64	-4.37
5	2.08	25	-0.18	45	-1.22	65	-4.35
6	2.00	26	-0.25	46	-1.51	66	-3.65
7	1.87	27	-0.33	47	-2.24	67	-3.91
8	1.75	28	-0.34	48	-2.95	68	-3.00
9	1.59	29	-0.40	49	-2.85	69	-2.84
10	1.45	30	-0.44	50	-2.92	70	-3.30
11	1.31	31	-0.87	51	-2.97	71	-3.05
12	1.17	32	-0.78	52	-3.18	72	-3.40
13	1.04	33	-0.62	53	-3.31	73	-3.73
14	0.91	34	-0.59	54	-3.44	74	-3.61
15	0.79	35	-0.65	55	-3.78	75	-2.70
16	0.66	36	-0.66	56	-3.70	76	-2.70
17	0.57	37	-0.70	57	-3.67	77	-2.59
18	0.45	38	-0.76	58	-3.78	78	-2.58
19	0.33	39	-0.73	59	-3.85	79	-2.61
20	0.20	40	-0.90	60	-3.40	80	-2.83

1	0.11	6	0.12	11	0.13	16	0.25
2	0.14	7	0.11	12	0.14	17	0.29
3	0.15	8	0.11	13	0.16	18	0.35
4	0.13	9	0.08	14	0.17	19	0.40
5	0.14	10	0.11	15	0.22	20	0.45

8/13/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.36	41	-2.08	61	-2.35
2	2.27	22	0.30	42	-1.95	62	-2.44
3	2.16	23	0.24	43	-1.90	63	-3.45
4	2.10	24	0.19	44	-2.25	64	-3.76
5	2.03	25	0.10	45	-2.37	65	-3.55
6	1.95	26	0.05	46	-2.75	66	-2.90
7	1.83	27	-0.04	47	-2.80	67	-2.74
8	1.71	28	-0.08	48	-3.00	68	-2.70
9	1.60	29	-0.15	49	-3.20	69	-2.70
10	1.48	30	-0.25	50	-3.05	70	-2.80
11	1.38	31	-0.35	51	-3.30	71	-3.08
12	1.26	32	-0.34	52	-3.18	72	-3.75
13	1.14	33	-0.40	53	-3.00	73	-3.36
14	1.02	34	-0.70	54	-2.80	74	-2.87
15	0.90	35	-0.70	55	-2.92	75	-2.70
16	0.80	36	-0.70	56	-3.55	76	-2.61
17	0.69	37	-0.86	57	-3.60	77	-2.61
18	0.63	38	-1.00	58	-2.99	78	-2.60
19	0.56	39	-1.28	59	-2.35	79	-2.75
20	0.50	40	-1.63	60	-2.26	80	-3.18

1	0.34	6	0.28	11	0.31	16	0.20
2	0.31	7	0.31	12	0.26	17	0.18
3	0.24	8	0.32	13	0.25	18	0.21
4	0.21	9	0.18	14	0.22	19	0.24
5	0.26	10	0.14	15	0.20	20	0.27

8/20/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.33	41	-2.12	61	-2.45
2	2.34	22	0.25	42	-1.43	62	-2.45
3	2.21	23	0.16	43	-1.76	63	-2.80
4	2.15	24	0.10	44	-1.96	64	-3.00
5	2.08	25	0.03	45	-2.38	65	-2.62
6	2.00	26	-0.05	46	-2.40	66	-2.50
7	1.89	27	-0.14	47	-2.88	67	-2.57
8	1.78	28	-0.17	48	-3.23	68	-2.65
9	1.65	29	-0.25	49	-3.29	69	-2.78
10	1.52	30	-0.32	50	-2.86	70	-2.70
11	1.44	31	-0.43	51	-2.80	71	-2.70
12	1.36	32	-0.45	52	-2.30	72	-2.83
13	1.32	33	-0.49	53	-2.16	73	-2.43
14	1.27	34	-0.60	54	-1.97	74	-2.07
15	1.18	35	-0.65	55	-2.26	75	-2.15
16	0.90	36	-0.76	56	-2.85	76	-2.17
17	0.88	37	-0.87	57	-2.58	77	-2.21
18	0.73	38	-1.00	58	-2.18	78	-2.26
19	0.56	39	-1.35	59	-2.06	79	-2.50
20	0.45	40	-1.78	60	-2.35	80	-2.88

1	0.33	6	0.41	11	0.31	16	0.22
2	0.33	7	0.39	12	0.31	17	0.26
3	0.33	8	0.34	13	0.28	18	0.26
4	0.34	9	0.35	14	0.23	19	0.25
5	0.39	10	0.40	15	0.22	20	0.24

8/27/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.35	41	-2.50	61	-2.25
2	2.30	22	0.30	42	-2.25	62	-2.50
3	2.21	23	0.16	43	-2.25	63	-2.81
4	2.11	24	0.04	44	-2.20	64	-3.20
5	2.02	25	-0.22	45	-2.23	65	-2.73
6	1.85	26	-0.37	46	-2.25	66	-2.50
7	1.75	27	-0.56	47	-2.40	67	-2.35
8	1.63	28	-0.70	48	-2.75	68	-2.30
9	1.56	29	-0.80	49	-2.54	69	-2.28
10	1.47	30	-1.15	50	-2.40	70	-2.30
11	1.36	31	-1.54	51	-2.29	71	-2.10
12	1.23	32	-1.28	52	-2.00	72	-2.40
13	1.14	33	-1.40	53	-1.73	73	-1.95
14	1.09	34	-1.65	54	-1.66	74	-1.83
15	1.05	35	-1.80	55	-1.80	75	-1.95
16	1.03	36	-1.69	56	-3.07	76	-2.11
17	1.01	37	-2.00	57	-2.89	77	-2.30
18	0.89	38	-2.14	58	-2.25	78	-2.50
19	0.72	39	-2.23	59	-2.13	79	-2.65
20	0.60	40	-2.20	60	-2.10	80	-3.03

1	0.24	6	0.21	11	0.58	16	0.51
2	0.20	7	0.18	12	0.61	17	0.50
3	0.22	8	0.21	13	0.66	18	0.47
4	0.18	9	0.20	14	0.63	19	0.45
5	0.17	10	0.19	15	0.57	20	0.43

9/ 3/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	0.57	41	-2.37	61	-2.17
2	2.30	22	0.34	42	-2.21	62	-2.34
3	2.23	23	0.15	43	-2.20	63	-2.59
4	2.11	24	-0.05	44	-2.19	64	-2.72
5	2.03	25	-0.22	45	-2.16	65	-2.53
6	1.91	26	-0.40	46	-2.19	66	-2.31
7	1.79	27	-0.51	47	-2.40	67	-2.22
8	1.65	28	-0.70	48	-2.62	68	-2.20
9	1.57	29	-0.98	49	-2.36	69	-2.16
10	1.47	30	-1.23	50	-2.05	70	-2.10
11	1.36	31	-1.27	51	-1.82	71	-2.09
12	1.24	32	-1.38	52	-1.70	72	-2.08
13	1.16	33	-1.50	53	-1.72	73	-1.93
14	1.09	34	-1.61	54	-1.80	74	-1.93
15	1.10	35	-2.03	55	-2.02	75	-2.08
16	1.15	36	-2.05	56	-2.35	76	-2.17
17	1.14	37	-2.12	57	-2.34	77	-2.34
18	1.09	38	-2.20	58	-2.08	78	-2.52
19	0.88	39	-2.26	59	-2.07	79	-2.62
20	0.70	40	-2.35	60	-2.09	80	-2.80

1	0.42	6	-0.01	11	0.64	16	0.85
2	0.25	7	-0.05	12	0.73	17	0.78
3	0.23	8	-0.07	13	0.88	18	0.75
4	0.11	9	-0.04	14	0.89	19	0.79
5	0.06	10	-0.02	15	1.00	20	0.77

9/10/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.05	41	-2.75	61	-2.20
2	2.26	22	-0.07	42	-2.10	62	-2.24
3	2.16	23	-0.35	43	-1.98	63	-2.35
4	2.10	24	-1.05	44	-2.05	64	-3.00
5	1.98	25	-1.16	45	-2.37	65	-3.00
6	1.89	26	-1.27	46	-2.50	66	-2.50
7	1.77	27	-1.47	47	-2.60	67	-2.25
8	1.65	28	-1.60	48	-2.73	68	-2.00
9	1.54	29	-1.76	49	-2.20	69	-1.90
10	1.49	30	-2.01	50	-1.81	70	-2.18
11	1.45	31	-2.15	51	-1.70	71	-2.25
12	1.44	32	-2.21	52	-1.75	72	-2.48
13	1.41	33	-2.01	53	-1.58	73	-2.17
14	1.28	34	-2.01	54	-1.65	74	-2.05
15	1.15	35	-2.00	55	-2.65	75	-2.25
16	0.98	36	-1.80	56	-3.20	76	-2.45
17	0.83	37	-2.10	57	-2.90	77	-2.76
18	0.63	38	-2.02	58	-2.45	78	-3.10
19	0.48	39	-1.90	59	-2.17	79	-3.18
20	0.31	40	-2.21	60	-2.20	80	-3.40
1	0.13	6	0.35	11	0.27	16	0.73
2	0.11	7	0.41	12	0.36	17	0.91
3	0.17	8	0.48	13	0.46	18	0.99
4	0.20	9	0.50	14	0.50	19	0.97
5	0.29	10	0.41	15	0.60	20	0.98

9/17/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.40	41	-2.50	61	-1.86
2	2.33	22	-0.84	42	-1.94	62	-1.69
3	2.24	23	-1.14	43	-1.82	63	-1.71
4	2.13	24	-1.20	44	-1.85	64	-2.10
5	2.03	25	-1.35	45	-1.94	65	-1.85
6	1.91	26	-1.43	46	-2.05	66	-1.67
7	1.79	27	-1.62	47	-2.15	67	-1.83
8	1.72	28	-1.72	48	-2.58	68	-2.04
9	1.70	29	-1.71	49	-2.43	69	-2.28
10	1.69	30	-2.02	50	-2.40	70	-2.43
11	1.67	31	-2.11	51	-2.36	71	-2.80
12	1.46	32	-2.15	52	-2.52	72	-2.98
13	1.28	33	-2.08	53	-2.83	73	-2.64
14	1.13	34	-2.10	54	-2.98	74	-2.53
15	0.98	35	-2.03	55	-3.07	75	-3.00
16	0.79	36	-2.07	56	-3.47	76	-3.03
17	0.53	37	-2.14	57	-3.35	77	-3.25
18	0.24	38	-2.28	58	-3.03	78	-3.47
19	0.05	39	-2.22	59	-2.65	79	-3.68
20	-0.21	40	-2.42	60	-2.38	80	-3.73
1	-0.49	6	0.63	11	-0.35	16	0.14
2	-0.57	7	0.63	12	-0.38	17	0.29
3	-0.27	8	0.63	13	-0.03	18	0.41
4	0.15	9	0.67	14	0.03	19	0.43
5	0.52	10	0.75	15	0.08	20	0.42

9/24/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.14	41	-2.37	61	-3.74
2	2.33	22	-0.23	42	-1.50	62	-3.75
3	2.23	23	-0.26	43	-1.32	63	-3.70
4	2.12	24	-0.47	44	-1.38	64	-3.38
5	2.03	25	-0.85	45	-1.43	65	-3.30
6	1.91	26	-0.93	46	-1.77	66	-3.03
7	1.79	27	-0.94	47	-2.12	67	-3.00
8	1.72	28	-0.83	48	-2.77	68	-2.64
9	1.70	29	-0.90	49	-2.21	69	-2.45
10	1.73	30	-1.35	50	-1.91	70	-2.39
11	1.68	31	-1.77	51	-1.88	71	-2.51
12	1.55	32	-0.94	52	-1.90	72	-2.80
13	1.30	33	-0.95	53	-2.00	73	-2.57
14	1.08	34	-1.02	54	-2.30	74	-2.15
15	0.83	35	-1.05	55	-2.37	75	-2.20
16	0.60	36	-1.02	56	-3.37	76	-2.34
17	0.36	37	-1.15	57	-3.17	77	-2.50
18	0.20	38	-1.18	58	-3.25	78	-2.92
19	0.15	39	-1.23	59	-3.80	79	-3.83
20	0.03	40	-2.09	60	-3.77	80	-4.10
1	0.67	6	0.98	11	0.61	16	0.84
2	0.77	7	1.19	12	0.63	17	0.78
3	0.78	8	1.04	13	0.70	18	0.88
4	0.79	9	0.95	14	0.73	19	0.96
5	1.08	10	0.85	15	0.82	20	0.98

10/ 1/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.36	41	-2.03	61	-2.53
2	2.39	22	0.04	42	-1.50	62	-2.57
3	2.17	23	-0.04	43	-1.57	63	-2.64
4	2.09	24	-0.18	44	-1.61	64	-3.31
5	2.04	25	-0.26	45	-1.94	65	-2.72
6	1.83	26	-0.32	46	-1.96	66	-2.50
7	1.78	27	-0.37	47	-2.22	67	-2.54
8	1.70	28	-0.49	48	-2.39	68	-2.58
9	1.73	29	-0.66	49	-2.67	69	-2.66
10	1.76	30	-0.71	50	-2.46	70	-2.67
11	1.69	31	-0.58	51	-2.35	71	-2.71
12	1.42	32	-0.77	52	-2.14	72	-3.35
13	1.24	33	-0.91	53	-2.20	73	-3.03
14	1.09	34	-1.05	54	-2.58	74	-2.37
15	0.94	35	-1.28	55	-2.77	75	-2.64
16	0.87	36	-1.50	56	-2.93	76	-2.68
17	0.72	37	-1.37	57	-2.62	77	-3.44
18	0.63	38	-1.42	58	-2.24	78	-3.67
19	0.57	39	-1.71	59	-2.26	79	-3.86
20	0.48	40	-1.83	60	-2.49	80	-4.12
1	0.44	6	0.84	11	0.39	16	0.55
2	0.60	7	0.83	12	0.44	17	0.63
3	0.67	8	0.86	13	0.44	18	0.72
4	0.72	9	0.82	14	0.49	19	0.71
5	0.79	10	0.81	15	0.50	20	0.74

10/ 8/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.0	41	-1.63	61	-2.13
2	2.32	22	-0.04	42	-1.28	62	-2.35
3	2.23	23	-0.14	43	-1.50	63	-2.46
4	2.15	24	-0.19	44	-1.61	64	-2.64
5	2.05	25	-0.32	45	-2.28	65	-1.95
6	1.94	26	-0.39	46	-2.30	66	-2.00
7	1.81	27	-0.60	47	-2.57	67	-2.21
8	1.68	28	-0.59	48	-2.87	68	-2.20
9	1.56	29	-0.83	49	-2.10	69	-2.44
10	1.41	30	-0.83	50	-2.08	70	-2.67
11	1.30	31	-1.22	51	-2.06	71	-3.05
12	1.19	32	-0.97	52	-2.20	72	-3.35
13	1.10	33	-0.74	53	-2.50	73	-2.94
14	1.02	34	-0.63	54	-2.75	74	-3.04
15	0.96	35	-0.71	55	-2.94	75	-3.20
16	0.85	36	-0.74	56	-3.13	76	-3.40
17	0.76	37	-0.83	57	-2.22	77	-3.58
18	0.61	38	-0.95	58	-1.97	78	-3.84
19	0.45	39	-1.12	59	-1.96	79	-4.15
20	0.15	40	-1.33	60	-2.09	80	-4.42

1	0.13	6	0.23	11	0.17	16	0.38
2	0.15	7	0.23	12	0.23	17	0.38
3	0.12	8	0.24	13	0.23	18	0.41
4	0.17	9	0.28	14	0.27	19	0.41
5	0.22	10	0.25	15	0.31	20	0.42

10/15/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.27	41	-1.09	61	-1.83
2	2.33	22	0.20	42	-1.16	62	-1.88
3	2.24	23	0.03	43	-1.27	63	-2.12
4	2.13	24	-0.02	44	-1.37	64	-2.76
5	2.02	25	-0.20	45	-1.87	65	-2.63
6	1.91	26	-0.39	46	-2.74	66	-2.01
7	1.79	27	-0.64	47	-2.95	67	-1.80
8	1.66	28	-0.74	48	-3.10	68	-1.83
9	1.56	29	-0.80	49	-2.57	69	-1.87
10	1.45	30	-0.92	50	-2.42	70	-2.10
11	1.39	31	-1.20	51	-2.53	71	-2.60
12	1.28	32	-1.16	52	-2.42	72	-3.15
13	1.12	33	-0.76	53	-2.31	73	-2.95
14	1.00	34	-0.75	54	-2.60	74	-2.75
15	0.90	35	-0.66	55	-2.90	75	-2.75
16	0.76	36	-0.65	56	-3.20	76	-2.94
17	0.67	37	-0.66	57	-3.05	77	-3.28
18	0.57	38	-0.73	58	-2.18	78	-3.39
19	0.53	39	-0.73	59	-1.94	79	-3.85
20	0.47	40	-0.81	60	-1.88	80	-4.28

1	0.30	6	0.25	11	0.33	16	0.49
2	0.21	7	0.22	12	0.39	17	0.51
3	0.15	8	0.26	13	0.39	18	0.52
4	0.42	9	0.47	14	0.44	19	0.50
5	0.17	10	0.50	15	0.46	20	0.52

10/22/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.02	41	-2.67	61	-2.65
2	2.25	22	-0.17	42	-2.38	62	-2.72
3	2.16	23	-0.24	43	-1.99	63	-2.76
4	2.11	24	-0.32	44	-1.84	64	-3.01
5	1.99	25	-0.36	45	-2.07	65	-2.86
6	1.86	26	-0.47	46	-2.22	66	-2.13
7	1.78	27	-0.52	47	-2.56	67	-1.75
8	1.65	28	-0.66	48	-2.92	68	-1.78
9	1.59	29	-0.79	49	-2.74	69	-1.84
10	1.51	30	-1.11	50	-2.58	70	-2.05
11	1.47	31	-1.34	51	-2.17	71	-2.72
12	1.50	32	-1.20	52	-2.08	72	-3.12
13	1.42	33	-1.38	53	-2.27	73	-2.99
14	1.38	34	-1.63	54	-2.51	74	-2.81
15	1.46	35	-1.59	55	-2.74	75	-2.79
16	0.83	36	-1.73	56	-3.18	76	-2.87
17	0.75	37	-2.00	57	-3.10	77	-3.22
18	0.58	38	-2.16	58	-2.06	78	-3.46
19	0.36	39	-2.21	59	-1.83	79	-3.81
20	0.18	40	-2.38	60	-1.97	80	-4.17

1	-0.13	6	-0.10	11	-0.10	16	-0.01
2	-0.12	7	-0.16	12	-0.07	17	0.03
3	-0.15	8	-0.18	13	-0.05	18	0.04
4	-0.04	9	-0.15	14	-0.04	19	0.04
5	-0.01	10	-0.17	15	0.01	20	-0.01

10/29/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	-0.02	41	-2.08	61	-1.82
2	2.36	22	-0.21	42	-1.64	62	-1.97
3	2.26	23	-0.35	43	-1.81	63	-2.21
4	2.12	24	-0.56	44	-1.96	64	-2.35
5	1.94	25	-0.79	45	-2.07	65	-1.88
6	1.79	26	-0.66	46	-2.28	66	-1.79
7	1.66	27	-0.72	47	-2.43	67	-1.96
8	1.51	28	-0.84	48	-2.88	68	-2.13
9	1.39	29	-1.09	49	-2.73	69	-2.24
10	1.23	30	-1.38	50	-2.58	70	-2.50
11	1.09	31	-1.52	51	-2.43	71	-2.72
12	0.96	32	-1.63	52	-2.72	72	-2.86
13	0.85	33	-1.75	53	-2.76	73	-2.72
14	0.74	34	-1.68	54	-2.97	74	-2.94
15	0.61	35	-1.55	55	-3.23	75	-3.02
16	0.47	36	-1.72	56	-3.46	76	-3.07
17	0.38	37	-1.84	57	-3.08	77	-3.31
18	0.24	38	-2.00	58	-2.54	78	-3.48
19	0.16	39	-2.12	59	-2.39	79	-3.57
20	0.09	40	-2.39	60	-2.16	80	-3.86

1	-0.05	6	0.02	11	-0.04	16	0.03
2	-0.05	7	-0.02	12	-0.01	17	0.08
3	-0.06	8	-0.01	13	-0.00	18	0.08
4	-0.11	9	-0.00	14	-0.00	19	0.08
5	0.04	10	0.10	15	-0.01	20	0.12

11/ 5/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	-0.02	41	-1.75	61	-2.44
2	2.31	22	-0.10	42	-1.30	62	-2.34
3	2.22	23	-0.43	43	-1.16	63	-2.40
4	2.06	24	-0.48	44	-1.12	64	-2.74
5	1.88	25	-0.61	45	-1.22	65	-2.32
6	1.77	26	-0.73	46	-1.40	66	-1.84
7	1.66	27	-0.75	47	-1.78	67	-1.77
8	1.52	28	-0.84	48	-2.71	68	-1.91
9	1.37	29	-0.77	49	-2.10	69	-2.18
10	1.21	30	-1.05	50	-2.07	70	-2.27
11	1.07	31	-1.31	51	-2.09	71	-2.43
12	0.95	32	-1.22	52	-2.16	72	-2.70
13	0.84	33	-1.08	53	-2.25	73	-2.47
14	0.73	34	-1.18	54	-2.37	74	-2.28
15	0.63	35	-1.16	55	-2.90	75	-2.86
16	0.49	36	-1.04	56	-3.25	76	-3.07
17	0.35	37	-1.06	57	-3.54	77	-3.10
18	0.25	38	-1.16	58	-3.13	78	-3.45
19	0.15	39	-1.38	59	-2.76	79	-3.80
20	0.0	40	-1.59	60	-2.52	80	-3.85

1	-0.13	6	-0.07	11	0.02	16	0.03
2	-0.17	7	-0.08	12	-0.02	17	0.03
3	-0.16	8	-0.10	13	-0.03	18	0.06
4	-0.04	9	-0.16	14	-0.00	19	0.04
5	-0.06	10	-0.07	15	-0.01	20	0.06

11/12/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	-0.12	41	-1.35	61	-2.33
2	2.23	22	-0.10	42	-1.03	62	-2.43
3	2.13	23	-0.18	43	-1.14	63	-2.60
4	1.98	24	-0.30	44	-1.25	64	-2.58
5	1.80	25	-0.37	45	-1.60	65	-2.03
6	1.69	26	-0.38	46	-1.87	66	-1.80
7	1.58	27	-0.40	47	-2.33	67	-1.82
8	1.44	28	-0.44	48	-2.43	68	-2.06
9	1.31	29	-0.45	49	-1.87	69	-2.32
10	1.16	30	-0.57	50	-1.88	70	-2.57
11	1.07	31	-1.00	51	-2.05	71	-2.80
12	1.02	32	-0.61	52	-2.22	72	-2.85
13	0.89	33	-0.65	53	-2.27	73	-2.53
14	0.76	34	-0.68	54	-2.48	74	-2.60
15	0.62	35	-0.73	55	-2.74	75	-2.85
16	0.52	36	-0.78	56	-3.10	76	-3.03
17	0.39	37	-0.86	57	-3.11	77	-3.18
18	0.29	38	-0.98	58	-2.62	78	-3.45
19	0.18	39	-1.07	59	-2.35	79	-3.56
20	0.06	40	-1.18	60	-2.25	80	-3.75

1	-0.18	6	-0.22	11	-0.19	16	-0.12
2	-0.23	7	-0.21	12	-0.20	17	-0.06
3	-0.22	8	-0.15	13	-0.20	18	-0.05
4	-0.15	9	-0.16	14	-0.15	19	-0.14
5	-0.20	10	-0.18	15	-0.14	20	-0.06

11/19/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	-0.02	41	-1.70	61	-2.55
2	2.36	22	-0.05	42	-1.25	62	-2.51
3	2.25	23	-0.10	43	-1.40	63	-2.50
4	2.10	24	-0.20	44	-1.48	64	-2.52
5	1.90	25	-0.24	45	-1.60	65	-2.00
6	1.79	26	-0.28	46	-1.85	66	-1.91
7	1.67	27	-0.33	47	-2.20	67	-2.04
8	1.56	28	-0.35	48	-2.52	68	-2.20
9	1.40	29	-0.38	49	-1.86	69	-2.32
10	1.28	30	-0.44	50	-1.95	70	-2.45
11	1.23	31	-0.68	51	-2.03	71	-2.67
12	1.20	32	-0.49	52	-2.22	72	-2.85
13	1.10	33	-0.58	53	-2.20	73	-2.60
14	0.98	34	-0.60	54	-2.35	74	-2.68
15	0.86	35	-0.65	55	-2.52	75	-2.85
16	0.68	36	-0.75	56	-2.92	76	-3.05
17	0.59	37	-0.88	57	-2.74	77	-3.30
18	0.45	38	-0.82	58	-2.37	78	-3.46
19	0.30	39	-1.22	59	-2.36	79	-3.55
20	0.12	40	-1.45	60	-2.48	80	-3.68

1	-0.02	6	-0.06	11	-0.02	16	0.04
2	-0.05	7	-0.03	12	0.05	17	0.05
3	-0.04	8	-0.02	13	0.06	18	0.03
4	-0.05	9	0.01	14	0.09	19	0.02
5	-0.04	10	0.02	15	0.08	20	0.02

11/26/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.14	41	-1.62	61	-2.29
2	2.19	22	-0.04	42	-1.23	62	-2.37
3	2.08	23	-0.18	43	-1.31	63	-2.42
4	1.97	24	-0.22	44	-1.56	64	-2.47
5	1.83	25	-0.25	45	-1.73	65	-1.89
6	1.77	26	-0.27	46	-1.95	66	-2.03
7	1.65	27	-0.32	47	-2.32	67	-2.12
8	1.51	28	-0.37	48	-2.50	68	-2.20
9	1.36	29	-0.39	49	-1.76	69	-2.37
10	1.24	30	-0.43	50	-1.88	70	-2.50
11	1.17	31	-0.59	51	-2.02	71	-2.61
12	1.10	32	-0.20	52	-2.15	72	-2.72
13	0.97	33	-0.34	53	-2.24	73	-2.49
14	0.88	34	-0.45	54	-2.41	74	-2.63
15	0.72	35	-0.52	55	-2.56	75	-2.76
16	0.65	36	-0.66	56	-2.88	76	-3.17
17	0.54	37	-0.87	57	-2.65	77	-3.31
18	0.48	38	-1.00	58	-2.14	78	-3.45
19	0.32	39	-1.18	59	-2.26	79	-3.60
20	0.23	40	-1.36	60	-2.31	80	-3.72

1	-0.15	6	-0.14	11	-0.12	16	-0.09
2	-0.17	7	-0.16	12	-0.09	17	-0.14
3	-0.10	8	-0.12	13	-0.08	18	-0.16
4	-0.11	9	-0.08	14	-0.05	19	-0.12
5	-0.12	10	-0.09	15	-0.10	20	-0.08

12/ 3/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	-0.09	41	-2.50	61	-3.10
2	2.36	22	-0.15	42	-2.50	62	-2.85
3	2.25	23	-0.18	43	-2.55	63	-3.20
4	2.11	24	-0.24	44	-2.46	64	-3.00
5	1.92	25	-0.45	45	-2.68	65	-3.25
6	1.81	26	-0.43	46	-2.95	66	-2.80
7	1.72	27	-0.50	47	-3.00	67	-2.48
8	1.61	28	-0.66	48	-3.25	68	-2.60
9	1.47	29	-0.70	49	-3.15	69	-2.50
10	1.37	30	-0.79	50	-2.70	70	-2.75
11	1.25	31	-1.34	51	-2.45	71	-2.65
12	1.12	32	-1.25	52	-2.80	72	-3.40
13	1.00	33	-0.97	53	-2.92	73	-3.74
14	0.85	34	-1.22	54	-3.05	74	-3.50
15	0.74	35	-1.15	55	-3.38	75	-3.07
16	0.67	36	-1.05	56	-3.30	76	-3.20
17	0.39	37	-1.18	57	-3.30	77	-3.50
18	0.28	38	-1.30	58	-3.10	78	-3.55
19	0.0	39	-1.40	59	-2.70	79	-4.45
20	0.0	40	-1.80	60	-2.95	80	-4.50

1	0.10	6	0.08	11	0.19	16	0.18
2	0.03	7	0.24	12	0.18	17	0.19
3	-0.01	8	0.23	13	0.22	18	0.21
4	-0.01	9	0.22	14	0.17	19	0.23
5	0.02	10	0.22	15	0.20	20	0.22

12/10/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	-0.26	41	-1.98	61	-2.40
2	2.50	22	-0.35	42	-1.38	62	-2.42
3	2.37	23	-0.37	43	-1.23	63	-2.60
4	2.18	24	-0.48	44	-1.27	64	-2.75
5	2.00	25	-0.54	45	-1.37	65	-2.14
6	1.87	26	-0.59	46	-1.65	66	-1.88
7	1.71	27	-0.60	47	-2.14	67	-2.03
8	1.49	28	-0.65	48	-2.81	68	-2.05
9	1.35	29	-0.74	49	-3.05	69	-2.20
10	1.22	30	-0.98	50	-2.63	70	-2.59
11	1.19	31	-1.12	51	-2.55	71	-3.03
12	1.06	32	-0.87	52	-2.53	72	-3.23
13	0.92	33	-1.10	53	-2.51	73	-2.82
14	0.80	34	-1.30	54	-2.55	74	-2.68
15	0.69	35	-1.48	55	-3.06	75	-2.95
16	0.55	36	-1.45	56	-3.46	76	-3.09
17	0.30	37	-1.70	57	-3.33	77	-3.17
18	0.18	38	-1.66	58	-2.73	78	-3.50
19	0.09	39	-1.55	59	-2.45	79	-3.65
20	-0.10	40	-1.83	60	-2.41	80	-4.10

1	-0.18	6	1.12	11	0.08	16	0.91
2	0.02	7	1.21	12	0.25	17	1.04
3	-0.07	8	1.35	13	0.44	18	1.21
4	0.38	9	1.50	14	0.77	19	1.39
5	0.79	10	1.62	15	0.83	20	1.41

12/17/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.16	41	-2.53	61	-2.30
2	2.33	22	-0.20	42	-2.26	62	-2.34
3	2.23	23	-0.27	43	-1.72	63	-2.55
4	2.07	24	-0.42	44	-1.56	64	-2.61
5	1.94	25	-0.45	45	-1.57	65	-2.28
6	1.85	26	-0.50	46	-1.88	66	-2.07
7	1.74	27	-0.56	47	-2.01	67	-2.34
8	1.56	28	-0.60	48	-2.37	68	-2.77
9	1.47	29	-0.61	49	-2.15	69	-2.93
10	1.32	30	-0.75	50	-1.65	70	-3.11
11	1.17	31	-1.13	51	-1.67	71	-3.15
12	1.04	32	-1.01	52	-1.71	72	-3.43
13	0.95	33	-0.97	53	-1.73	73	-3.30
14	0.82	34	-1.14	54	-1.99	74	-2.95
15	0.69	35	-1.23	55	-2.34	75	-3.06
16	0.54	36	-1.36	56	-2.44	76	-3.29
17	0.37	37	-1.45	57	-2.20	77	-3.44
18	0.23	38	-1.59	58	-1.76	78	-3.53
19	0.13	39	-1.80	59	-1.78	79	-3.81
20	-0.04	40	-2.08	60	-1.85	80	-4.24

1	-0.15	6	-0.15	11	-0.02	16	-0.00
2	-0.18	7	-0.09	12	-0.01	17	-0.02
3	-0.23	8	-0.06	13	0.04	18	-0.00
4	-0.27	9	-0.02	14	0.01	19	0.04
5	-0.21	10	0.01	15	0.02	20	0.02

12/24/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.27	41	-1.60	61	-2.43
2	2.33	22	-0.08	42	-1.23	62	-2.47
3	2.23	23	-0.11	43	-0.85	63	-2.76
4	2.07	24	-0.25	44	-0.86	64	-2.75
5	1.93	25	-0.30	45	-1.00	65	-3.00
6	1.82	26	-0.45	46	-1.12	66	-2.65
7	1.72	27	-0.71	47	-1.44	67	-2.73
8	1.54	28	-0.79	48	-1.96	68	-2.83
9	1.48	29	-1.08	49	-1.31	69	-3.11
10	1.34	30	-1.07	50	-1.18	70	-3.10
11	1.20	31	-1.32	51	-1.20	71	-3.43
12	1.11	32	-1.11	52	-1.40	72	-3.60
13	1.00	33	-1.15	53	-1.48	73	-3.17
14	0.86	34	-1.31	54	-1.60	74	-3.02
15	0.72	35	-1.32	55	-1.95	75	-3.26
16	0.56	36	-1.38	56	-2.12	76	-3.46
17	0.48	37	-1.48	57	-2.14	77	-3.61
18	0.36	38	-1.41	58	-1.80	78	-3.70
19	0.25	39	-1.20	59	-2.00	79	-4.25
20	0.08	40	-1.28	60	-2.37	80	-4.40

1	0.08	6	0.10	11	0.11	16	0.25
2	0.06	7	0.17	12	0.13	17	0.28
3	0.14	8	0.21	13	0.22	18	0.35
4	0.13	9	0.22	14	0.28	19	0.25
5	0.22	10	0.16	15	0.24	20	0.20

12/29/1981							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.12	41	-0.32	61	-2.40
2	2.34	22	-0.13	42	-0.92	62	-2.55
3	2.24	23	-0.20	43	-1.03	63	-2.70
4	2.08	24	-0.25	44	-1.15	64	-2.73
5	1.93	25	-0.26	45	-1.00	65	-2.80
6	1.83	26	-0.30	46	-1.52	66	-2.72
7	1.73	27	-0.35	47	-1.62	67	-2.94
8	1.60	28	-0.38	48	-1.73	68	-3.00
9	1.48	29	-0.40	49	-1.27	69	-3.10
10	1.33	30	-0.77	50	-1.29	70	-3.35
11	1.22	31	-0.94	51	-1.34	71	-3.45
12	1.11	32	-0.67	52	-1.40	72	-3.53
13	1.02	33	-0.75	53	-1.56	73	-3.28
14	1.00	34	-0.77	54	-1.74	74	-3.22
15	0.97	35	-0.80	55	-1.90	75	-3.44
16	0.73	36	-0.80	56	-2.07	76	-3.50
17	0.61	37	-0.84	57	-1.82	77	-3.83
18	0.43	38	-1.02	58	-1.73	78	-3.84
19	0.26	39	-1.08	59	-1.78	79	-4.05
20	0.10	40	-1.12	60	-2.05	80	-4.23

1	-0.06	6	-0.23	11	0.04	16	0.16
2	-0.06	7	-0.31	12	0.14	17	0.12
3	-0.09	8	-0.33	13	0.18	18	0.16
4	-0.29	9	-0.21	14	0.25	19	0.10
5	-0.26	10	-0.18	15	0.23	20	0.06

1/ 7/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	-0.05	41	-2.23	61	-2.79
2	2.35	22	-0.03	42	-2.05	62	-2.78
3	2.24	23	-0.08	43	-1.72	63	-3.20
4	2.09	24	-0.17	44	-1.59	64	-3.48
5	1.92	25	-0.31	45	-1.68	65	-3.75
6	1.81	26	-0.39	46	-1.84	66	-3.15
7	1.72	27	-0.46	47	-1.97	67	-2.71
8	1.60	28	-0.54	48	-2.70	68	-2.53
9	1.49	29	-0.60	49	-2.78	69	-2.52
10	1.38	30	-0.64	50	-2.83	70	-2.35
11	1.22	31	-0.40	51	-2.28	71	-2.87
12	1.08	32	-1.19	52	-2.05	72	-3.12
13	0.93	33	-0.92	53	-2.02	73	-2.67
14	0.80	34	-0.86	54	-2.14	74	-2.35
15	0.66	35	-0.95	55	-2.45	75	-2.20
16	0.53	36	-1.15	56	-3.10	76	-2.37
17	0.41	37	-1.24	57	-2.41	77	-2.40
18	0.35	38	-1.13	58	-2.82	78	-2.75
19	0.25	39	-1.25	59	-2.65	79	-3.26
20	0.10	40	-1.78	60	-2.70	80	-3.53

1	0.13	6	0.01	11	0.03	16	0.02
2	0.17	7	0.08	12	0.13	17	0.10
3	0.11	8	0.02	13	0.06	18	0.08
4	0.02	9	0.01	14	0.04	19	0.03
5	-0.00	10	0.03	15	0.09	20	-0.00

1/14/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	-0.20	41	-2.12	61	-2.45
2	2.36	22	-0.25	42	-2.05	62	-2.55
3	2.26	23	-0.30	43	-1.82	63	-2.72
4	2.11	24	-0.41	44	-1.43	64	-3.25
5	1.96	25	-0.47	45	-1.45	65	-3.20
6	1.86	26	-0.54	46	-1.50	66	-2.36
7	1.77	27	-0.55	47	-1.73	67	-2.27
8	1.62	28	-0.65	48	-2.70	68	-2.26
9	1.47	29	-0.67	49	-2.25	69	-2.27
10	1.32	30	-0.82	50	-1.54	70	-2.34
11	1.17	31	-1.28	51	-1.55	71	-2.35
12	1.01	32	-1.33	52	-1.47	72	-3.10
13	0.85	33	-1.20	53	-1.63	73	-2.64
14	0.71	34	-1.16	54	-1.88	74	-2.18
15	0.57	35	-1.12	55	-2.40	75	-2.15
16	0.40	36	-1.20	56	-3.00	76	-2.13
17	0.29	37	-1.17	57	-3.27	77	-2.28
18	0.17	38	-1.18	58	-2.64	78	-2.46
19	0.04	39	-1.34	59	-2.45	79	-2.80
20	-0.05	40	-1.55	60	-2.48	80	-3.40

1	-0.17	6	0.0	11	-0.10	16	-0.15
2	-0.20	7	0.0	12	-0.11	17	-0.21
3	-0.20	8	0.02	13	-0.09	18	-0.20
4	-0.05	9	0.01	14	-0.13	19	-0.15
5	-0.03	10	-0.01	15	-0.11	20	-0.11

1/21/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	-0.72	41	-1.87	61	-2.23
2	2.35	22	-0.75	42	-1.05	62	-2.21
3	2.24	23	-0.87	43	-0.95	63	-2.36
4	2.09	24	-0.85	44	-1.04	64	-2.45
5	1.95	25	-1.18	45	-1.17	65	-2.20
6	1.86	26	-1.11	46	-1.63	66	-1.85
7	1.77	27	-1.09	47	-1.84	67	-1.98
8	1.62	28	-1.06	48	-2.03	68	-2.12
9	1.46	29	-1.10	49	-1.66	69	-2.56
10	1.33	30	-1.15	50	-1.75	70	-2.64
11	1.21	31	-1.37	51	-1.84	71	-2.81
12	1.09	32	-1.43	52	-1.96	72	-2.95
13	1.01	33	-1.24	53	-2.34	73	-2.59
14	0.94	34	-1.22	54	-2.37	74	-2.50
15	0.97	35	-1.20	55	-2.60	75	-2.61
16	0.73	36	-1.24	56	-2.72	76	-3.03
17	0.54	37	-1.39	57	-2.49	77	-3.10
18	0.34	38	-1.35	58	-2.12	78	-3.31
19	0.06	39	-1.21	59	-2.13	79	-3.64
20	-0.35	40	-1.40	60	-2.15	80	-3.65

1	-0.69	6	0.03	11	-0.68	16	-0.66
2	-0.26	7	0.07	12	-0.61	17	-0.19
3	-0.10	8	0.05	13	-0.61	18	-0.47
4	-0.01	9	0.04	14	-0.71	19	-0.30
5	0.04	10	0.05	15	-0.68	20	0.07

1/28/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.18	41	-1.80	61	-1.95
2	2.34	22	-0.22	42	-1.25	62	-2.06
3	2.24	23	-0.30	43	-1.00	63	-2.62
4	2.08	24	-0.42	44	-1.00	64	-3.15
5	1.95	25	-0.47	45	-1.03	65	-3.05
6	1.86	26	-0.58	46	-1.15	66	-2.50
7	1.78	27	-0.68	47	-1.33	67	-2.32
8	1.63	28	-0.73	48	-2.00	68	-2.34
9	1.49	29	-0.80	49	-1.90	69	-2.50
10	1.42	30	-1.08	50	-1.45	70	-2.65
11	1.35	31	-1.36	51	-1.35	71	-2.86
12	1.20	32	-0.90	52	-1.34	72	-3.85
13	1.06	33	-0.72	53	-1.40	73	-3.50
14	0.90	34	-0.73	54	-1.51	74	-3.05
15	0.74	35	-0.75	55	-1.77	75	-2.88
16	0.54	36	-0.78	56	-2.65	76	-3.05
17	0.40	37	-0.78	57	-2.63	77	-3.17
18	0.27	38	-0.85	58	-2.05	78	-3.35
19	0.06	39	-0.93	59	-1.90	79	-3.70
20	-0.05	40	-1.34	60	-1.95	80	-4.20

1	-0.11	6	-0.09	11	-0.04	16	0.06
2	-0.14	7	0.02	12	0.01	17	0.03
3	-0.11	8	0.02	13	0.02	18	0.10
4	-0.14	9	0.04	14	0.09	19	0.16
5	-0.14	10	0.14	15	0.07	20	0.16

2/ 4/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.09	41	-1.32	61	-1.74
2	2.35	22	0.02	42	-1.00	62	-1.80
3	2.25	23	-0.08	43	-1.07	63	-2.23
4	2.10	24	-0.14	44	-1.24	64	-2.63
5	1.95	25	-0.23	45	-1.53	65	-2.50
6	1.86	26	-0.32	46	-1.82	66	-2.09
7	1.77	27	-0.37	47	-1.90	67	-2.20
8	1.61	28	-0.47	48	-2.07	68	-2.39
9	1.48	29	-0.90	49	-1.55	69	-2.67
10	1.34	30	-1.05	50	-1.54	70	-3.12
11	1.22	31	-0.34	51	-1.59	71	-3.43
12	1.11	32	-0.83	52	-1.65	72	-3.63
13	0.99	33	-0.80	53	-1.86	73	-3.45
14	0.88	34	-0.81	54	-2.14	74	-3.19
15	0.80	35	-0.86	55	-2.33	75	-3.23
16	0.70	36	-0.90	56	-2.62	76	-3.27
17	0.60	37	-0.94	57	-2.37	77	-3.78
18	0.49	38	-0.95	58	-1.80	78	-4.05
19	0.36	39	-0.91	59	-1.72	79	-4.12
20	0.20	40	-1.35	60	-1.70	80	-4.32

1	0.02	6	0.29	11	0.11	16	0.16
2	0.10	7	0.27	12	0.09	17	0.14
3	0.17	8	0.27	13	0.19	18	0.13
4	0.19	9	0.22	14	0.19	19	0.11
5	0.24	10	0.20	15	0.20	20	0.25

2/11/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.10	41	-1.43	61	-1.75
2	2.36	22	0.0	42	-1.37	62	-1.76
3	2.29	23	-0.08	43	-1.03	63	-2.13
4	2.13	24	-0.20	44	-0.99	64	-2.68
5	1.98	25	-0.29	45	-1.08	65	-2.48
6	1.88	26	-0.38	46	-1.27	66	-1.98
7	1.80	27	-0.43	47	-2.05	67	-1.95
8	1.66	28	-0.48	48	-2.40	68	-2.00
9	1.51	29	-0.51	49	-1.76	69	-2.07
10	1.38	30	-0.56	50	-1.48	70	-2.27
11	1.26	31	-1.02	51	-1.48	71	-3.00
12	1.17	32	-0.69	52	-1.56	72	-3.54
13	1.09	33	-0.66	53	-1.69	73	-3.51
14	0.99	34	-0.67	54	-1.89	74	-2.94
15	0.88	35	-0.73	55	-2.43	75	-3.05
16	0.76	36	-0.75	56	-2.47	76	-3.17
17	0.62	37	-0.80	57	-2.64	77	-3.36
18	0.49	38	-0.80	58	-1.90	78	-3.72
19	0.36	39	-0.82	59	-1.80	79	-4.09
20	0.20	40	-1.12	60	-1.74	80	-4.62

1	0.11	6	0.22	11	0.13	16	0.15
2	0.13	7	0.26	12	0.17	17	0.15
3	0.16	8	0.28	13	0.16	18	0.17
4	0.18	9	0.19	14	0.17	19	0.20
5	0.21	10	0.28	15	0.16	20	0.23

2/18/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.30	41	-1.85	61	-2.54
2	2.33	22	0.20	42	-1.85	62	-2.75
3	2.24	23	0.07	43	-1.31	63	-2.90
4	2.09	24	-0.03	44	-1.30	64	-3.15
5	1.96	25	-0.15	45	-1.29	65	-3.30
6	1.86	26	-0.24	46	-1.31	66	-2.81
7	1.78	27	-0.30	47	-1.45	67	-2.44
8	1.68	28	-0.37	48	-2.15	68	-2.25
9	1.51	29	-0.41	49	-1.93	69	-2.20
10	1.40	30	-0.52	50	-1.52	70	-2.15
11	1.29	31	-1.18	51	-1.44	71	-2.30
12	1.19	32	-0.85	52	-1.65	72	-2.77
13	1.11	33	-0.68	53	-1.65	73	-2.73
14	1.04	34	-0.70	54	-2.00	74	-2.25
15	0.97	35	-0.71	55	-2.50	75	-2.25
16	0.87	36	-0.76	56	-3.00	76	-2.22
17	0.76	37	-0.76	57	-3.35	77	-2.54
18	0.67	38	-0.83	58	-2.85	78	-2.90
19	0.58	39	-1.03	59	-2.62	79	-3.30
20	0.45	40	-1.40	60	-2.38	80	-3.83

1	0.39	6	0.38	11	0.30	16	0.22
2	0.35	7	0.36	12	0.28	17	0.18
3	0.34	8	0.31	13	0.27	18	0.18
4	0.31	9	0.26	14	0.27	19	0.26
5	0.33	10	0.24	15	0.24	20	0.29

2/25/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.05	41	-2.30	61	-2.65
2	2.34	22	0.0	42	-2.00	62	-2.72
3	2.25	23	-0.05	43	-1.44	63	-3.07
4	2.10	24	-0.14	44	-1.34	64	-3.68
5	1.96	25	-0.23	45	-1.47	65	-3.75
6	1.86	26	-0.34	46	-1.55	66	-2.50
7	1.77	27	-0.50	47	-1.72	67	-2.72
8	1.64	28	-0.56	48	-2.15	68	-2.75
9	1.55	29	-0.60	49	-2.05	69	-2.68
10	1.42	30	-0.70	50	-1.68	70	-2.61
11	1.34	31	-1.22	51	-1.75	71	-2.80
12	1.21	32	-1.07	52	-1.80	72	-3.02
13	1.08	33	-0.92	53	-1.70	73	-2.88
14	0.97	34	-0.94	54	-1.90	74	-2.68
15	0.84	35	-0.96	55	-2.65	75	-2.22
16	0.72	36	-1.00	56	-3.02	76	-2.24
17	0.59	37	-1.05	57	-3.05	77	-2.30
18	0.45	38	-1.10	58	-2.91	78	-2.38
19	0.30	39	-1.35	59	-2.45	79	-2.53
20	0.18	40	-1.47	60	-2.73	80	-2.95

1	0.17	6	0.10	11	0.11	16	0.14
2	0.14	7	0.16	12	0.11	17	0.22
3	0.17	8	0.13	13	0.14	18	0.25
4	0.15	9	0.13	14	0.10	19	0.26
5	0.10	10	0.10	15	0.12	20	0.22

3/ 4/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	0.15	41	-2.32	61	-2.03
2	2.33	22	0.05	42	-1.75	62	-1.88
3	2.25	23	-0.05	43	-1.45	63	-2.08
4	2.07	24	-0.14	44	-1.35	64	-2.30
5	1.94	25	-0.23	45	-1.30	65	-2.13
6	1.86	26	-0.35	46	-1.36	66	-1.77
7	1.76	27	-0.43	47	-1.39	67	-1.78
8	1.64	28	-0.45	48	-2.63	68	-1.78
9	1.55	29	-0.51	49	-2.70	69	-2.00
10	1.45	30	-0.85	50	-1.89	70	-2.20
11	1.36	31	-1.20	51	-1.93	71	-2.50
12	1.25	32	-0.90	52	-2.03	72	-2.80
13	1.16	33	-0.82	53	-2.32	73	-2.95
14	1.06	34	-0.85	54	-2.74	74	-2.43
15	0.94	35	-0.87	55	-3.18	75	-2.40
16	0.70	36	-0.88	56	-2.57	76	-2.55
17	0.67	37	-0.94	57	-3.65	77	-2.85
18	0.56	38	-1.05	58	-3.30	78	-3.07
19	0.45	39	-1.33	59	-2.70	79	-3.44
20	0.30	40	-2.00	60	-2.07	80	-3.90

1	0.15	6	0.10	11	0.17	16	0.24
2	0.06	7	0.13	12	0.20	17	0.17
3	0.04	8	0.11	13	0.23	18	0.15
4	0.08	9	0.08	14	0.26	19	0.15
5	0.08	10	0.09	15	0.25	20	0.16

3/11/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.20	41	-2.10	61	-1.50
2	2.34	22	0.06	42	-1.83	62	-1.45
3	2.22	23	-0.05	43	-1.51	63	-2.02
4	2.07	24	-0.14	44	-1.47	64	-2.13
5	1.94	25	-0.24	45	-1.55	65	-2.00
6	1.84	26	-0.30	46	-1.55	66	-1.70
7	1.75	27	-0.33	47	-1.72	67	-1.83
8	1.63	28	-0.42	48	-2.42	68	-2.09
9	1.54	29	-0.47	49	-2.20	69	-2.27
10	1.44	30	-0.54	50	-1.80	70	-2.54
11	1.36	31	-0.81	51	-1.69	71	-2.68
12	1.25	32	-0.69	52	-1.52	72	-2.85
13	1.16	33	-0.70	53	-1.45	73	-2.50
14	1.06	34	-0.71	54	-1.85	74	-2.55
15	0.99	35	-0.83	55	-2.10	75	-2.66
16	0.93	36	-0.93	56	-2.55	76	-2.92
17	0.90	37	-1.13	57	-2.46	77	-3.14
18	0.75	38	-1.33	58	-1.95	78	-3.31
19	0.56	39	-1.60	59	-1.61	79	-3.53
20	0.35	40	-1.93	60	-1.51	80	-3.85

1	0.15	6	0.04	11	0.26	16	0.37
2	0.10	7	0.02	12	0.30	17	0.37
3	0.04	8	0.04	13	0.33	18	0.40
4	0.05	9	0.10	14	0.38	19	0.36
5	0.04	10	0.13	15	0.38	20	0.39

3/18/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.15	41	-2.35	61	-2.20
2	2.31	22	0.06	42	-2.25	62	-2.85
3	2.17	23	-0.05	43	-1.84	63	-2.70
4	2.02	24	-0.18	44	-1.58	64	-3.30
5	1.92	25	-0.26	45	-1.54	65	-3.45
6	1.82	26	-0.35	46	-1.75	66	-3.00
7	1.73	27	-0.45	47	-2.14	67	-2.70
8	1.63	28	-0.52	48	-2.65	68	-2.67
9	1.56	29	-0.56	49	-2.55	69	-2.74
10	1.46	30	-0.68	50	-2.37	70	-2.80
11	1.38	31	-1.23	51	-2.50	71	-2.85
12	1.28	32	-0.98	52	-2.05	72	-3.42
13	1.22	33	-0.83	53	-1.80	73	-3.20
14	1.16	34	-0.97	54	-2.00	74	-2.74
15	0.95	35	-1.20	55	-1.73	75	-2.45
16	0.80	36	-1.50	56	-2.58	76	-2.36
17	0.72	37	-1.23	57	-2.80	77	-2.40
18	0.60	38	-1.30	58	-2.25	78	-2.33
19	0.46	39	-1.60	59	-1.97	79	-2.57
20	0.33	40	-1.80	60	-2.00	80	-3.15

1	0.33	6	0.32	11	0.29	16	0.28
2	0.25	7	0.38	12	0.32	17	0.28
3	0.19	8	0.27	13	0.34	18	0.30
4	0.21	9	0.27	14	0.33	19	0.31
5	0.26	10	0.24	15	0.28	20	0.24

3/25/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.17	41	-2.04	61	-2.05
2	2.33	22	0.09	42	-1.99	62	-2.22
3	2.25	23	0.0	43	-1.67	63	-2.86
4	2.11	24	-0.10	44	-1.50	64	-3.30
5	1.99	25	-0.15	45	-1.51	65	-3.47
6	1.86	26	-0.23	46	-1.56	66	-2.70
7	1.73	27	-0.33	47	-1.71	67	-2.65
8	1.59	28	-0.39	48	-2.55	68	-2.73
9	1.48	29	-0.50	49	-2.47	69	-2.89
10	1.35	30	-0.65	50	-2.05	70	-3.45
11	1.21	31	-1.02	51	-2.04	71	-3.79
12	1.10	32	-0.83	52	-2.02	72	-4.21
13	0.98	33	-0.84	53	-3.18	73	-4.60
14	0.88	34	-0.93	54	-3.34	74	-3.74
15	0.78	35	-0.97	55	-3.17	75	-3.55
16	0.70	36	-1.02	56	-3.09	76	-3.40
17	0.55	37	-1.11	57	-3.15	77	-3.43
18	0.47	38	-1.12	58	-2.42	78	-3.83
19	0.35	39	-1.21	59	-2.12	79	-4.00
20	0.21	40	-1.70	60	-2.09	80	-4.45

1	0.22	6	0.05	11	0.17	16	0.19
2	0.20	7	0.04	12	0.18	17	0.21
3	0.19	8	0.05	13	0.20	18	0.19
4	0.14	9	0.08	14	0.19	19	0.17
5	0.11	10	0.07	15	0.20	20	0.15

4/ 1/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.20	41	-2.07	61	-2.00
2	2.34	22	0.06	42	-1.85	62	-2.24
3	2.25	23	-0.03	43	-1.48	63	-2.88
4	2.13	24	-0.11	44	-1.40	64	-3.04
5	2.01	25	-0.21	45	-1.46	65	-3.23
6	1.88	26	-0.35	46	-1.42	66	-2.72
7	1.74	27	-0.43	47	-1.45	67	-2.96
8	1.60	28	-0.49	48	-2.27	68	-3.00
9	1.46	29	-0.58	49	-2.25	69	-3.18
10	1.35	30	-0.69	50	-1.20	70	-3.42
11	1.25	31	-0.95	51	-1.43	71	-3.73
12	1.16	32	-0.91	52	-1.68	72	-3.94
13	1.08	33	-0.89	53	-1.72	73	-3.95
14	1.02	34	-0.86	54	-1.76	74	-3.41
15	0.91	35	-0.86	55	-1.64	75	-3.46
16	0.75	36	-0.87	56	-2.26	76	-3.48
17	0.60	37	-0.88	57	-2.01	77	-3.60
18	0.50	38	-0.96	58	-1.70	78	-3.79
19	0.35	39	-1.00	59	-1.70	79	-3.85
20	0.27	40	-1.35	60	-1.61	80	-3.90

1	0.19	6	0.08	11	0.22	16	0.19
2	0.16	7	0.08	12	0.24	17	0.16
3	0.12	8	0.07	13	0.23	18	0.14
4	0.12	9	0.08	14	0.22	19	0.13
5	0.09	10	0.07	15	0.21	20	0.11

4/ 8/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.26	41	-2.00	61	-2.22
2	2.38	22	0.18	42	-1.82	62	-2.70
3	2.28	23	0.10	43	-1.56	63	-2.94
4	2.14	24	0.0	44	-1.51	64	-3.46
5	2.03	25	-0.07	45	-1.55	65	-3.24
6	1.89	26	-0.19	46	-1.59	66	-2.98
7	1.73	27	-0.33	47	-1.70	67	-2.59
8	1.57	28	-0.42	48	-2.39	68	-2.91
9	1.48	29	-0.50	49	-2.28	69	-3.21
10	1.36	30	-0.70	50	-2.15	70	-3.62
11	1.27	31	-1.08	51	-2.02	71	-3.85
12	1.20	32	-0.96	52	-2.45	72	-4.20
13	1.11	33	-1.02	53	-2.65	73	-4.30
14	1.04	34	-1.19	54	-2.84	74	-3.62
15	0.95	35	-1.20	55	-2.97	75	-3.22
16	0.81	36	-1.43	56	-3.00	76	-3.20
17	0.71	37	-1.34	57	-2.74	77	-3.45
18	0.58	38	-1.29	58	-2.50	78	-3.65
19	0.42	39	-1.82	59	-2.12	79	-4.10
20	0.33	40	-2.00	60	-2.10	80	-4.25

1	0.26	6	0.31	11	0.23	16	0.26
2	0.27	7	0.23	12	0.24	17	0.22
3	0.32	8	0.21	13	0.18	18	0.20
4	0.36	9	0.22	14	0.16	19	0.20
5	0.33	10	0.14	15	0.21	20	0.18

4/15/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.32	41	-1.96	61	-2.16
2	2.33	22	0.16	42	-1.70	62	-2.56
3	2.24	23	0.0	43	-1.64	63	-2.77
4	2.11	24	-0.06	44	-1.26	64	-3.17
5	1.98	25	-0.14	45	-1.41	65	-2.87
6	1.83	26	-0.18	46	-1.55	66	-1.95
7	1.70	27	-0.21	47	-1.84	67	-1.98
8	1.59	28	-0.29	48	-2.18	68	-2.22
9	1.48	29	-0.53	49	-1.56	69	-2.56
10	1.36	30	-0.73	50	-1.42	70	-2.88
11	1.28	31	-0.88	51	-1.73	71	-2.93
12	1.22	32	-0.78	52	-1.98	72	-3.20
13	1.16	33	-0.68	53	-2.22	73	-2.92
14	1.10	34	-0.74	54	-2.56	74	-2.31
15	1.00	35	-0.81	55	-2.72	75	-2.26
16	0.87	36	-0.93	56	-3.08	76	-2.14
17	0.80	37	-1.07	57	-2.64	77	-2.44
18	0.68	38	-1.13	58	-2.31	78	-2.47
19	0.54	39	-1.32	59	-2.10	79	-2.86
20	0.45	40	-1.86	60	-2.03	80	-3.52

1	0.36	6	0.22	11	0.32	16	0.29
2	0.25	7	0.19	12	0.35	17	0.27
3	0.36	8	0.17	13	0.33	18	0.31
4	0.27	9	0.14	14	0.28	19	0.31
5	0.25	10	0.12	15	0.29	20	0.33

4/22/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.28	41	-1.96	61	-3.12
2	2.29	22	0.16	42	-1.32	62	-3.52
3	2.14	23	0.06	43	-1.00	63	-3.97
4	2.01	24	-0.08	44	-0.93	64	-4.06
5	1.99	25	-0.18	45	-0.95	65	-4.00
6	1.91	26	-0.23	46	-1.03	66	-3.98
7	1.88	27	-0.30	47	-1.10	67	-3.80
8	1.86	28	-0.35	48	-1.65	68	-3.72
9	1.67	29	-0.40	49	-1.60	69	-3.82
10	1.64	30	-0.72	50	-1.22	70	-3.96
11	1.53	31	-0.84	51	-1.20	71	-4.06
12	1.38	32	-0.62	52	-1.25	72	-4.00
13	1.22	33	-0.57	53	-1.52	73	-3.98
14	1.09	34	-0.89	54	-2.02	74	-3.82
15	1.00	35	-0.86	55	-2.52	75	-3.73
16	0.86	36	-0.73	56	-3.00	76	-3.75
17	0.82	37	-0.70	57	-2.95	77	-3.70
18	0.73	38	-0.97	58	-2.60	78	-3.72
19	0.67	39	-1.06	59	-2.72	79	-3.69
20	0.53	40	-1.25	60	-2.92	80	-3.96

1	0.25	6	0.13	11	0.21	16	0.08
2	0.20	7	0.11	12	0.20	17	0.03
3	0.16	8	0.05	13	0.23	18	0.02
4	0.18	9	0.06	14	0.17	19	-0.01
5	0.18	10	0.13	15	0.13	20	0.02

4/29/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	0.13	41	-1.40	61	-2.80
2	2.32	22	0.06	42	-1.55	62	-3.10
3	2.22	23	-0.05	43	-1.29	63	-3.55
4	2.11	24	-0.14	44	-1.34	64	-4.05
5	1.99	25	-0.22	45	-1.40	65	-3.65
6	1.86	26	-0.31	46	-1.63	66	-3.52
7	1.73	27	-0.39	47	-1.60	67	-3.55
8	1.66	28	-0.45	48	-1.87	68	-3.60
9	1.55	29	-0.52	49	-1.39	69	-3.65
10	1.48	30	-0.61	50	-1.28	70	-3.94
11	1.42	31	-0.86	51	-1.37	71	-4.21
12	1.33	32	-0.75	52	-1.40	72	-4.57
13	1.24	33	-0.75	53	-1.58	73	-4.40
14	1.12	34	-0.70	54	-1.59	74	-3.71
15	1.00	35	-0.70	55	-1.80	75	-3.40
16	0.85	36	-0.70	56	-2.25	76	-3.32
17	0.67	37	-0.74	57	-2.21	77	-3.43
18	0.54	38	-0.75	58	-2.06	78	-3.55
19	0.39	39	-0.85	59	-2.30	79	-4.20
20	0.20	40	-0.90	60	-2.54	80	-4.43

1	0.17	6	0.17	11	0.22	16	0.23
2	0.13	7	0.17	12	0.26	17	0.21
3	0.15	8	0.15	13	0.24	18	0.16
4	0.17	9	0.16	14	0.23	19	0.15
5	0.17	10	0.19	15	0.25	20	0.12

5/ 6/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.30	41	-1.89	61	-3.38
2	2.32	22	0.14	42	-1.57	62	-3.40
3	2.20	23	0.03	43	-1.57	63	-3.44
4	2.10	24	-0.09	44	-1.63	64	-3.75
5	1.97	25	-0.18	45	-1.49	65	-3.50
6	1.83	26	-0.26	46	-1.37	66	-3.62
7	1.71	27	-0.34	47	-1.61	67	-3.64
8	1.58	28	-0.45	48	-2.50	68	-3.65
9	1.53	29	-0.48	49	-2.20	69	-3.78
10	1.45	30	-0.55	50	-1.85	70	-3.86
11	1.40	31	-1.03	51	-1.75	71	-4.05
12	1.31	32	-0.76	52	-1.60	72	-4.30
13	1.22	33	-0.80	53	-1.50	73	-3.97
14	1.12	34	-0.89	54	-1.41	74	-3.72
15	1.05	35	-1.04	55	-1.77	75	-3.80
16	0.96	36	-1.00	56	-2.25	76	-3.75
17	0.80	37	-1.03	57	-2.10	77	-3.75
18	0.68	38	-1.03	58	-2.78	78	-3.72
19	0.56	39	-1.13	59	-3.00	79	-3.60
20	0.43	40	-1.20	60	-3.05	80	-3.72

1	0.40	6	0.35	11	0.39	16	0.27
2	0.45	7	0.30	12	0.35	17	0.28
3	0.43	8	0.25	13	0.36	18	0.35
4	0.38	9	0.26	14	0.43	19	0.38
5	0.34	10	0.23	15	0.31	20	0.30

5/13/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.44	41	-0.82	61	-3.50
2	2.34	22	0.26	42	-0.82	62	-3.14
3	2.23	23	0.04	43	-0.86	63	-3.35
4	2.10	24	-0.09	44	-0.98	64	-3.42
5	1.99	25	-0.26	45	-1.14	65	-3.34
6	1.85	26	-0.37	46	-1.12	66	-3.26
7	1.74	27	-0.40	47	-1.30	67	-3.44
8	1.65	28	-0.48	48	-1.64	68	-3.51
9	1.54	29	-0.55	49	-1.36	69	-3.61
10	1.49	30	-0.80	50	-1.44	70	-3.67
11	1.42	31	-1.18	51	-1.77	71	-3.78
12	1.34	32	-0.44	52	-2.00	72	-3.90
13	1.23	33	-0.39	53	-2.15	73	-3.60
14	1.13	34	-0.36	54	-2.15	74	-3.56
15	1.11	35	-0.35	55	-2.38	75	-3.57
16	0.99	36	-0.40	56	-2.57	76	-3.55
17	0.90	37	-0.48	57	-2.42	77	-3.42
18	0.83	38	-0.53	58	-2.26	78	-3.12
19	0.75	39	-0.63	59	-2.50	79	-2.90
20	0.64	40	-0.65	60	-2.82	80	-2.87

1	0.62	6	0.62	11	0.47	16	0.42
2	0.57	7	0.81	12	0.45	17	0.39
3	0.69	8	0.67	13	0.50	18	0.47
4	0.69	9	0.64	14	0.48	19	0.48
5	0.68	10	0.57	15	0.41	20	0.38

5/20/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.57	41	-1.68	61	-3.24
2	2.32	22	0.40	42	-1.55	62	-3.37
3	2.23	23	0.25	43	-1.76	63	-3.53
4	2.10	24	0.15	44	-1.83	64	-3.64
5	2.00	25	0.0	45	-1.94	65	-3.72
6	1.86	26	-0.13	46	-2.02	66	-3.96
7	1.72	27	-0.28	47	-2.12	67	-3.85
8	1.62	28	-0.35	48	-2.36	68	-3.76
9	1.53	29	-0.50	49	-2.42	69	-3.81
10	1.47	30	-0.50	50	-2.16	70	-3.93
11	1.40	31	-1.05	51	-2.31	71	-4.00
12	1.31	32	-0.75	52	-2.42	72	-3.96
13	1.22	33	-0.62	53	-2.65	73	-3.92
14	1.11	34	-0.73	54	-2.73	74	-3.88
15	1.05	35	-0.81	55	-2.81	75	-3.76
16	1.00	36	-0.78	56	-3.08	76	-3.63
17	0.95	37	-0.80	57	-3.02	77	-3.54
18	0.93	38	-0.89	58	-2.84	78	-3.62
19	0.76	39	-1.12	59	-3.06	79	-3.84
20	0.66	40	-1.34	60	-3.16	80	-4.04

1	0.95	6	0.74	11	0.77	16	0.76
2	0.84	7	0.95	12	0.83	17	0.79
3	0.95	8	0.97	13	0.78	18	0.80
4	0.93	9	0.92	14	0.87	19	1.03
5	0.77	10	0.98	15	0.70	20	0.80

5/27/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	0.45	41	-0.70	61	-3.39
2	2.34	22	0.26	42	-0.88	62	-3.59
3	2.25	23	0.17	43	-0.91	63	-3.74
4	2.12	24	0.08	44	-1.00	64	-3.77
5	2.02	25	0.0	45	-1.06	65	-3.51
6	1.88	26	-0.10	46	-1.10	66	-3.56
7	1.75	27	-0.15	47	-1.15	67	-3.60
8	1.67	28	-0.21	48	-1.51	68	-3.72
9	1.59	29	-0.30	49	-1.40	69	-3.84
10	1.50	30	-0.38	50	-1.57	70	-3.90
11	1.41	31	-0.65	51	-1.70	71	-3.86
12	1.31	32	-0.45	52	-1.90	72	-4.00
13	1.22	33	-0.44	53	-2.36	73	-3.56
14	1.14	34	-0.45	54	-2.62	74	-3.41
15	1.06	35	-0.49	55	-2.80	75	-3.30
16	0.93	36	-0.54	56	-3.05	76	-3.32
17	0.81	37	-0.57	57	-2.62	77	-3.40
18	0.71	38	-0.64	58	-2.81	78	-3.44
19	0.59	39	-0.65	59	-3.05	79	-3.50
20	0.46	40	-0.69	60	-3.10	80	-3.63

1	0.52	6	0.45	11	0.46	16	0.35
2	0.57	7	0.43	12	0.43	17	0.36
3	0.63	8	0.35	13	0.39	18	0.36
4	0.53	9	0.35	14	0.35	19	0.39
5	0.46	10	0.37	15	0.33	20	0.40

6/ 3/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.32	21	0.39	41	-0.88	61	-2.86
2	2.26	22	0.20	42	-0.96	62	-3.00
3	2.18	23	0.05	43	-1.02	63	-3.17
4	2.06	24	-0.03	44	-1.08	64	-3.20
5	2.00	25	-0.13	45	-1.17	65	-3.04
6	1.89	26	-0.22	46	-1.21	66	-2.96
7	1.76	27	-0.26	47	-1.33	67	-3.19
8	1.67	28	-0.38	48	-1.56	68	-3.27
9	1.55	29	-0.41	49	-1.64	69	-3.31
10	1.43	30	-0.55	50	-1.86	70	-3.44
11	1.34	31	-0.64	51	-1.92	71	-3.52
12	1.28	32	-0.43	52	-2.03	72	-3.65
13	1.15	33	-0.32	53	-2.16	73	-3.28
14	1.07	34	-0.37	54	-2.34	74	-3.13
15	0.98	35	-0.41	55	-2.42	75	-2.94
16	0.84	36	-0.44	56	-2.73	76	-2.96
17	0.72	37	-0.52	57	-2.66	77	-3.00
18	0.59	38	-0.66	58	-2.46	78	-3.08
19	0.50	39	-0.74	59	-2.73	79	-3.24
20	0.47	40	-0.78	60	-2.81	80	-3.36

1	0.36	6	0.33	11	0.28	16	0.12
2	0.34	7	0.33	12	0.26	17	0.17
3	0.40	8	0.32	13	0.18	18	0.19
4	0.42	9	0.28	14	0.15	19	0.24
5	0.34	10	0.29	15	0.12	20	0.26

6/10/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.45	41	-0.80	61	-3.46
2	2.32	22	0.35	42	-0.87	62	-3.52
3	2.21	23	0.19	43	-0.97	63	-3.59
4	2.09	24	0.04	44	-1.01	64	-3.70
5	1.98	25	-0.08	45	-1.10	65	-3.35
6	1.86	26	-0.20	46	-1.15	66	-3.35
7	1.74	27	-0.31	47	-1.27	67	-3.40
8	1.66	28	-0.40	48	-1.53	68	-3.42
9	1.57	29	-0.59	49	-1.60	69	-3.63
10	1.47	30	-0.66	50	-1.59	70	-3.73
11	1.39	31	-1.18	51	-1.72	71	-3.78
12	1.32	32	-0.66	52	-2.02	72	-3.90
13	1.22	33	-0.70	53	-2.10	73	-3.31
14	1.15	34	-0.65	54	-2.65	74	-3.20
15	1.09	35	-0.52	55	-2.80	75	-3.08
16	1.05	36	-0.51	56	-3.05	76	-2.97
17	0.94	37	-0.52	57	-2.89	77	-2.65
18	0.90	38	-0.49	58	-2.98	78	-2.66
19	0.85	39	-0.50	59	-3.30	79	-2.79
20	0.70	40	-0.58	60	-3.42	80	-2.78

1	0.71	6	0.44	11	0.63	16	0.63
2	0.67	7	0.49	12	0.63	17	0.59
3	0.48	8	0.48	13	0.84	18	0.75
4	0.52	9	0.46	14	0.68	19	0.64
5	0.41	10	0.50	15	0.69	20	0.69

6/17/1982

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	0.67	41	-1.20	61	-3.18
2	2.35	22	0.48	42	-1.20	62	-3.42
3	2.27	23	0.39	43	-0.90	63	-3.80
4	2.14	24	0.30	44	-0.90	64	-3.75
5	2.03	25	0.10	45	-1.25	65	-3.43
6	1.92	26	0.03	46	-1.15	66	-3.27
7	1.78	27	-0.09	47	-1.27	67	-3.22
8	1.68	28	-0.13	48	-1.30	68	-3.16
9	1.61	29	-0.65	49	-1.30	69	-3.30
10	1.51	30	-0.53	50	-1.30	70	-3.60
11	1.41	31	-1.12	51	-1.79	71	-3.55
12	1.33	32	-0.71	52	-2.00	72	-3.72
13	1.25	33	-0.60	53	-2.12	73	-3.15
14	1.17	34	-0.41	54	-2.74	74	-2.60
15	1.14	35	-0.40	55	-3.00	75	-2.43
16	1.10	36	-0.48	56	-3.20	76	-2.40
17	1.16	37	-0.59	57	-3.20	77	-2.67
18	0.98	38	-0.63	58	-3.23	78	-2.82
19	0.89	39	-0.80	59	-3.15	79	-3.03
20	0.88	40	-1.05	60	-3.21	80	-3.34

1	0.81	6	0.82	11	0.75	16	0.71
2	0.91	7	0.78	12	0.86	17	0.69
3	0.92	8	0.83	13	0.77	18	0.85
4	0.83	9	0.81	14	0.71	19	0.88
5	0.83	10	0.83	15	0.71	20	0.77

6/24/1982

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	0.68	41	-0.90	61	-3.10
2	2.42	22	0.58	42	-0.82	62	-3.10
3	2.29	23	0.45	43	-0.96	63	-3.43
4	2.13	24	0.38	44	-1.01	64	-3.76
5	2.03	25	0.29	45	-1.19	65	-3.53
6	1.90	26	0.20	46	-1.30	66	-3.03
7	1.76	27	0.13	47	-1.45	67	-3.10
8	1.66	28	0.07	48	-2.10	68	-3.25
9	1.57	29	0.0	49	-1.71	69	-3.20
10	1.51	30	-0.03	50	-1.91	70	-3.40
11	1.42	31	-0.10	51	-2.11	71	-3.47
12	1.36	32	-0.11	52	-2.55	72	-3.77
13	1.30	33	-0.10	53	-2.80	73	-2.33
14	1.24	34	-0.10	54	-2.76	74	-2.78
15	1.16	35	-0.13	55	-2.80	75	-2.26
16	1.13	36	-0.25	56	-2.83	76	-2.13
17	1.10	37	-0.37	57	-2.90	77	-2.31
18	1.01	38	-0.45	58	-2.83	78	-2.37
19	0.95	39	-0.57	59	-2.84	79	-2.56
20	0.83	40	-0.62	60	-3.12	80	-3.15

1	0.74	6	0.63	11	0.54	16	0.69
2	0.66	7	0.64	12	0.56	17	0.68
3	0.74	8	0.56	13	0.63	18	0.64
4	0.70	9	0.58	14	0.62	19	0.67
5	0.68	10	0.59	15	0.60	20	0.62

7/ 1/1982

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.32	41	-1.59	61	-3.61
2	2.37	22	0.25	42	-1.30	62	-3.61
3	2.27	23	0.18	43	-0.70	63	-3.73
4	2.18	24	0.05	44	-0.68	64	-3.80
5	2.11	25	-0.01	45	-0.71	65	-3.86
6	2.01	26	-0.10	46	-0.79	66	-3.83
7	1.88	27	-0.18	47	-1.09	67	-3.57
8	1.76	28	-0.23	48	-1.30	68	-3.65
9	1.65	29	-0.30	49	-1.13	69	-3.82
10	1.55	30	-0.45	50	-1.20	70	-3.85
11	1.45	31	-0.83	51	-1.26	71	-4.03
12	1.35	32	-0.69	52	-1.42	72	-4.17
13	1.23	33	-0.53	53	-1.60	73	-4.03
14	1.11	34	-0.62	54	-1.92	74	-3.90
15	0.99	35	-0.63	55	-2.10	75	-3.90
16	0.92	36	-0.73	56	-3.10	76	-3.90
17	0.81	37	-0.82	57	-3.23	77	-3.95
18	0.68	38	-0.72	58	-3.40	78	-3.98
19	0.61	39	-0.70	59	-3.45	79	-4.08
20	0.48	40	-1.02	60	-3.57	80	-4.15

1	0.40	6	0.41	11	0.48	16	0.25
2	0.38	7	0.39	12	0.42	17	0.23
3	0.33	8	0.38	13	0.35	18	0.34
4	0.36	9	0.27	14	0.31	19	0.48
5	0.38	10	0.32	15	0.28	20	0.38

7/ 8/1982

NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.40	41	-1.84	61	-3.15
2	2.35	22	0.32	42	-1.74	62	-3.50
3	2.24	23	0.24	43	-1.52	63	-3.70
4	2.17	24	0.16	44	-1.38	64	-3.93
5	2.08	25	0.08	45	-1.27	65	-3.90
6	1.97	26	-0.03	46	-1.26	66	-3.40
7	1.86	27	-0.11	47	-1.34	67	-3.27
8	1.79	28	-0.20	48	-2.10	68	-3.40
9	1.64	29	-0.25	49	-1.82	69	-3.48
10	1.54	30	-0.38	50	-1.78	70	-3.67
11	1.45	31	-0.48	51	-1.62	71	-3.91
12	1.38	32	-0.43	52	-1.59	72	-4.30
13	1.29	33	-0.51	53	-1.65	73	-3.85
14	1.18	34	-0.65	54	-1.60	74	-3.70
15	1.07	35	-0.68	55	-1.60	75	-3.35
16	0.92	36	-0.72	56	-2.30	76	-3.31
17	0.83	37	-0.76	57	-2.32	77	-3.40
18	0.75	38	-0.82	58	-2.09	78	-3.37
19	0.64	39	-0.89	59	-2.35	79	-3.40
20	0.48	40	-1.06	60	-2.86	80	-3.70

1	0.36	6	0.29	11	0.39	16	0.36
2	0.34	7	0.30	12	0.37	17	0.33
3	0.32	8	0.32	13	0.35	18	0.34
4	0.31	9	0.34	14	0.35	19	0.35
5	0.31	10	0.33	15	0.35	20	0.34

7/15/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.43	21	0.40	41	-1.03	61	-3.02
2	2.34	22	0.25	42	-0.68	62	-3.50
3	2.25	23	0.10	43	-0.67	63	-3.69
4	2.16	24	-0.01	44	-0.55	64	-3.60
5	2.08	25	-0.10	45	-0.50	65	-3.44
6	1.97	26	-0.10	46	-0.50	66	-3.32
7	1.85	27	-0.22	47	-0.75	67	-3.41
8	1.74	28	-0.35	48	-1.20	68	-3.38
9	1.62	29	-0.47	49	-0.96	69	-3.50
10	1.53	30	-0.70	50	-1.01	70	-3.67
11	1.45	31	-0.90	51	-1.20	71	-3.69
12	1.37	32	-0.60	52	-1.30	72	-3.68
13	1.27	33	-0.66	53	-1.46	73	-3.30
14	1.17	34	-0.70	54	-1.75	74	-3.12
15	1.05	35	-0.74	55	-1.93	75	-3.10
16	1.02	36	-0.59	56	-2.25	76	-3.10
17	0.96	37	-0.44	57	-2.23	77	-3.13
18	0.87	38	-0.55	58	-2.20	78	-3.19
19	0.70	39	-0.59	59	-2.38	79	-3.22
20	0.58	40	-0.87	60	-2.60	80	-3.17

1	0.39	6	0.41	11	0.42	16	0.65
2	0.45	7	0.50	12	0.44	17	0.56
3	0.47	8	0.55	13	0.45	18	0.54
4	0.45	9	0.50	14	0.56	19	0.61
5	0.47	10	0.39	15	0.65	20	0.68

7/22/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.36	41	-1.00	61	-2.89
2	2.33	22	0.15	42	-0.78	62	-3.02
3	2.24	23	0.08	43	-0.85	63	-3.30
4	2.16	24	-0.01	44	-0.92	64	-3.61
5	2.07	25	-0.11	45	-0.97	65	-3.31
6	1.94	26	-0.26	46	-1.02	66	-3.10
7	1.82	27	-0.50	47	-1.09	67	-3.19
8	1.72	28	-0.65	48	-1.72	68	-3.23
9	1.61	29	-0.71	49	-1.39	69	-3.45
10	1.53	30	-0.73	50	-1.28	70	-3.36
11	1.46	31	-0.91	51	-1.32	71	-3.53
12	1.41	32	-0.41	52	-1.40	72	-3.70
13	1.35	33	-0.45	53	-1.49	73	-3.15
14	1.29	34	-0.40	54	-1.60	74	-2.79
15	1.25	35	-0.39	55	-2.40	75	-2.81
16	1.12	36	-0.42	56	-2.78	76	-2.85
17	0.91	37	-0.42	57	-2.51	77	-2.95
18	0.75	38	-0.48	58	-2.18	78	-3.15
19	0.60	39	-0.52	59	-2.56	79	-3.35
20	0.52	40	-0.60	60	-2.64	80	-3.50

1	0.35	6	0.46	11	0.34	16	0.49
2	0.35	7	0.49	12	0.33	17	0.50
3	0.38	8	0.46	13	0.37	18	0.41
4	0.42	9	0.49	14	0.44	19	0.35
5	0.44	10	0.45	15	0.48	20	0.38

7/29/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.46	21	0.50	41	-1.90	61	-2.24
2	2.38	22	0.38	42	-1.40	62	-2.53
3	2.27	23	0.21	43	-0.90	63	-2.90
4	2.18	24	0.13	44	-0.90	64	-3.58
5	2.10	25	0.03	45	-0.98	65	-3.12
6	1.99	26	-0.10	46	-1.12	66	-2.60
7	1.87	27	-0.21	47	-1.50	67	-2.56
8	1.76	28	-0.36	48	-2.34	68	-2.63
9	1.64	29	-0.68	49	-2.08	69	-2.72
10	1.55	30	-0.74	50	-1.27	70	-2.91
11	1.47	31	-1.10	51	-1.23	71	-3.13
12	1.42	32	-0.98	52	-1.22	72	-3.62
13	1.35	33	-0.68	53	-1.20	73	-3.00
14	1.34	34	-0.78	54	-1.30	74	-2.61
15	1.34	35	-0.72	55	-1.74	75	-2.76
16	1.27	36	-0.70	56	-2.69	76	-2.87
17	1.18	37	-0.79	57	-2.57	77	-3.00
18	1.00	38	-0.85	58	-1.97	78	-3.12
19	0.83	39	-0.85	59	-1.95	79	-3.35
20	0.68	40	-1.06	60	-2.11	80	-3.73

1	0.49	6	0.79	11	0.47	16	0.60
2	0.63	7	0.68	12	0.49	17	0.64
3	0.78	8	0.66	13	0.49	18	0.70
4	0.80	9	0.73	14	0.49	19	0.64
5	0.89	10	0.88	15	0.53	20	0.56

8/ 5/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.34	41	-1.95	61	-1.98
2	2.33	22	0.15	42	-1.44	62	-2.19
3	2.25	23	0.16	43	-1.35	63	-2.51
4	2.17	24	0.05	44	-1.18	64	-2.80
5	2.08	25	-0.04	45	-1.12	65	-2.63
6	1.97	26	-0.14	46	-1.14	66	-1.92
7	1.86	27	-0.22	47	-1.74	67	-1.78
8	1.78	28	-0.29	48	-2.11	68	-1.85
9	1.68	29	-0.36	49	-1.59	69	-2.10
10	1.60	30	-0.41	50	-1.33	70	-2.41
11	1.48	31	-0.72	51	-1.44	71	-2.71
12	1.36	32	-0.60	52	-1.61	72	-3.10
13	1.25	33	-0.68	53	-1.75	73	-2.78
14	1.16	34	-0.71	54	-2.41	74	-2.32
15	1.08	35	-0.74	55	-2.73	75	-2.59
16	0.95	36	-0.76	56	-3.09	76	-2.82
17	0.83	37	-0.81	57	-2.70	77	-3.04
18	0.69	38	-0.84	58	-1.95	78	-3.21
19	0.55	39	-0.90	59	-1.94	79	-3.66
20	0.45	40	-1.24	60	-1.91	80	-4.01

1	0.90	6	0.77	11	0.87	16	0.93
2	0.91	7	0.76	12	0.86	17	0.92
3	0.89	8	0.75	13	0.85	18	0.93
4	0.83	9	0.74	14	0.85	19	0.84
5	0.85	10	0.72	15	0.91	20	0.85

8/12/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.34	41	-1.30	61	-2.03
2	2.32	22	0.14	42	-1.39	62	-2.09
3	2.24	23	-0.06	43	-1.24	63	-2.25
4	2.15	24	-0.30	44	-1.46	64	-2.43
5	2.06	25	-0.26	45	-1.73	65	-2.04
6	1.95	26	-0.33	46	-1.81	66	-1.80
7	1.83	27	-0.28	47	-1.94	67	-2.10
8	1.77	28	-0.32	48	-2.07	68	-2.23
9	1.67	29	-0.28	49	-1.62	69	-2.55
10	1.57	30	-0.40	50	-1.76	70	-2.60
11	1.45	31	-0.67	51	-2.00	71	-2.83
12	1.34	32	-0.53	52	-2.20	72	-2.99
13	1.28	33	-0.72	53	-2.24	73	-2.70
14	1.23	34	-0.54	54	-2.37	74	-2.51
15	1.19	35	-0.71	55	-2.48	75	-2.72
16	1.16	36	-0.87	56	-2.70	76	-2.95
17	1.10	37	-0.80	57	-2.33	77	-3.04
18	1.06	38	-0.72	58	-1.74	78	-3.34
19	0.80	39	-0.80	59	-1.88	79	-3.58
20	0.58	40	-1.07	60	-1.98	80	-3.85

1	0.31	6	0.53	11	0.22	16	0.49
2	0.46	7	0.45	12	0.28	17	0.55
3	0.44	8	0.41	13	0.35	18	0.51
4	0.53	9	0.52	14	0.40	19	0.53
5	0.49	10	0.54	15	0.52	20	0.56

8/19/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.72	41	-1.84	61	-1.60
2	2.33	22	0.61	42	-1.55	62	-1.80
3	2.24	23	0.50	43	-1.53	63	-2.24
4	2.15	24	0.40	44	-1.40	64	-2.54
5	2.06	25	0.30	45	-1.54	65	-2.20
6	1.94	26	0.22	46	-1.64	66	-2.20
7	1.84	27	0.13	47	-1.89	67	-2.30
8	1.75	28	0.10	48	-2.30	68	-2.54
9	1.65	29	0.07	49	-1.49	69	-2.65
10	1.56	30	0.03	50	-1.14	70	-2.75
11	1.46	31	-0.02	51	-1.10	71	-2.79
12	1.35	32	-0.13	52	-1.24	72	-3.11
13	1.27	33	-0.27	53	-1.43	73	-2.82
14	1.22	34	-0.40	54	-1.64	74	-2.41
15	1.22	35	-0.55	55	-1.81	75	-2.74
16	1.27	36	-0.71	56	-1.95	76	-2.98
17	1.20	37	-0.90	57	-1.80	77	-3.17
18	1.09	38	-1.14	58	-1.50	78	-3.28
19	1.00	39	-1.25	59	-1.52	79	-3.44
20	0.90	40	-1.48	60	-1.50	80	-3.85

1	0.67	6	0.61	11	0.64	16	0.36
2	0.67	7	0.59	12	0.63	17	0.36
3	0.67	8	0.62	13	0.59	18	0.34
4	0.73	9	0.50	14	0.47	19	0.33
5	0.75	10	0.48	15	0.44	20	0.44

8/26/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	1.17	41	-1.97	61	-2.24
2	2.35	22	1.07	42	-0.93	62	-2.41
3	2.26	23	0.93	43	-0.65	63	-2.55
4	2.17	24	0.80	44	-0.66	64	-2.75
5	2.09	25	0.63	45	-0.71	65	-2.46
6	1.98	26	0.46	46	-0.75	66	-2.22
7	1.86	27	0.29	47	-0.92	67	-2.42
8	1.76	28	0.10	48	-1.69	68	-2.52
9	1.67	29	-0.05	49	-1.33	69	-2.73
10	1.59	30	-0.13	50	-0.91	70	-2.91
11	1.48	31	-0.50	51	-0.91	71	-3.01
12	1.37	32	-0.37	52	-0.90	72	-3.20
13	1.28	33	-0.65	53	-1.04	73	-2.81
14	1.24	34	-0.88	54	-1.40	74	-2.52
15	1.23	35	-1.09	55	-2.01	75	-2.94
16	1.24	36	-1.30	56	-2.32	76	-3.03
17	1.27	37	-0.45	57	-2.12	77	-3.15
18	1.27	38	-0.54	58	-1.71	78	-3.41
19	1.27	39	-0.52	59	-1.88	79	-3.67
20	1.28	40	-1.66	60	-2.11	80	-3.84

1	1.18	6	1.12	11	1.03	16	0.94
2	1.08	7	1.06	12	1.08	17	0.83
3	1.17	8	1.03	13	1.10	18	0.72
4	1.12	9	0.89	14	0.95	19	0.75
5	1.27	10	0.84	15	0.88	20	0.69

9/ 2/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.17	41	-2.28	61	-1.82
2	2.35	22	0.14	42	-1.63	62	-1.83
3	2.24	23	0.05	43	-1.25	63	-2.12
4	2.17	24	-0.02	44	-1.22	64	-2.92
5	2.08	25	-0.13	45	-1.34	65	-3.10
6	2.00	26	-0.21	46	-1.38	66	-2.14
7	1.89	27	-0.33	47	-1.70	67	-1.96
8	1.76	28	-0.37	48	-2.75	68	-1.86
9	1.68	29	-0.48	49	-2.43	69	-1.85
10	1.55	30	-0.57	50	-1.68	70	-1.92
11	1.38	31	-1.00	51	-1.58	71	-2.16
12	1.25	32	-0.72	52	-1.62	72	-2.91
13	1.12	33	-0.70	53	-1.66	73	-2.83
14	1.00	34	-0.75	54	-1.85	74	-2.30
15	0.85	35	-0.81	55	-2.30	75	-2.31
16	0.69	36	-0.83	56	-3.29	76	-2.39
17	0.66	37	-0.90	57	-3.02	77	-2.54
18	0.52	38	-1.00	58	-2.31	78	-2.92
19	0.40	39	-1.08	59	-1.84	79	-3.41
20	0.29	40	-1.31	60	-1.86	80	-4.06

1	0.14	6	0.16	11	0.12	16	0.17
2	0.14	7	0.19	12	0.15	17	0.21
3	0.17	8	0.17	13	0.21	18	0.26
4	0.18	9	0.17	14	0.26	19	0.26
5	0.19	10	0.24	15	0.23	20	0.25

9/ 9/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	-0.10	41	-1.63	61	-3.55
2	2.42	22	-0.15	42	-1.10	62	-3.70
3	2.27	23	-0.20	43	-1.09	63	-3.65
4	2.13	24	-0.27	44	-1.18	64	-3.84
5	1.98	25	-0.32	45	-1.20	65	-3.25
6	1.81	26	-0.49	46	-1.38	66	-3.15
7	1.66	27	-0.58	47	-1.68	67	-3.21
8	1.53	28	-0.54	48	-2.01	68	-3.57
9	1.41	29	-0.62	49	-1.55	69	-3.36
10	1.29	30	-0.60	50	-1.29	70	-3.71
11	1.17	31	-0.97	51	-1.37	71	-3.70
12	1.03	32	-0.83	52	-1.51	72	-3.85
13	0.90	33	-0.67	53	-1.83	73	-3.24
14	0.76	34	-0.56	54	-2.27	74	-3.09
15	0.64	35	-0.60	55	-2.70	75	-3.05
16	0.56	36	-0.64	56	-3.18	76	-3.15
17	0.46	37	-0.68	57	-2.69	77	-3.15
18	0.31	38	-0.75	58	-2.60	78	-3.32
19	0.18	39	-0.86	59	-3.28	79	-3.35
20	0.07	40	-1.23	60	-3.48	80	-3.60

1	-0.07	6	-0.01	11	-0.08	16	-0.07
2	-0.09	7	-0.01	12	-0.05	17	-0.06
3	-0.10	8	-0.01	13	-0.04	18	-0.03
4	-0.08	9	0.00	14	-0.04	19	-0.02
5	-0.05	10	0.03	15	-0.05	20	0.02

9/16/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.07	41	-2.50	61	-2.70
2	2.31	22	-0.15	42	-2.00	62	-3.04
3	2.24	23	-0.17	43	-1.32	63	-3.85
4	2.05	24	-0.28	44	-1.13	64	-4.22
5	1.86	25	-0.35	45	-1.06	65	-4.19
6	1.69	26	-0.41	46	-1.01	66	-3.40
7	1.53	27	-0.49	47	-1.10	67	-3.46
8	1.43	28	-0.53	48	-1.70	68	-3.38
9	1.32	29	-0.63	49	-1.36	69	-3.34
10	1.18	30	-0.64	50	-1.21	70	-3.71
11	1.04	31	-1.30	51	-1.16	71	-3.90
12	0.91	32	-0.81	52	-1.20	72	-3.83
13	0.78	33	-0.72	53	-1.50	73	-4.10
14	0.66	34	-0.76	54	-1.73	74	-3.24
15	0.55	35	-0.95	55	-2.54	75	-2.85
16	0.44	36	-0.99	56	-2.71	76	-2.79
17	0.29	37	-1.21	57	-2.88	77	-2.70
18	0.19	38	-1.32	58	-2.29	78	-2.80
19	0.12	39	-1.45	59	-2.24	79	-3.07
20	0.05	40	-1.69	60	-2.51	80	-3.50

1	-0.08	6	0.03	11	-0.10	16	-0.03
2	-0.06	7	-0.01	12	-0.10	17	0.0
3	-0.06	8	-0.02	13	-0.08	18	0.0
4	-0.03	9	-0.03	14	-0.07	19	0.01
5	-0.01	10	-0.04	15	-0.04	20	0.05

9/23/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	-0.47	41	-1.61	61	-2.52
2	2.43	22	-0.35	42	-1.30	62	-2.80
3	2.29	23	-0.42	43	-1.71	63	-3.50
4	2.12	24	-0.52	44	-1.98	64	-3.85
5	1.93	25	-0.90	45	-2.21	65	-3.79
6	1.76	26	-1.00	46	-2.25	66	-3.50
7	1.58	27	-0.84	47	-2.27	67	-3.31
8	1.54	28	-0.95	48	-2.55	68	-3.00
9	1.43	29	-0.62	49	-2.10	69	-2.70
10	1.30	30	-0.50	50	-2.03	70	-2.70
11	1.16	31	-1.00	51	-1.55	71	-2.70
12	1.06	32	-0.75	52	-1.62	72	-2.75
13	0.96	33	-0.57	53	-1.60	73	-2.01
14	0.78	34	-0.65	54	-1.80	74	-1.90
15	0.53	35	-0.65	55	-2.03	75	-2.01
16	0.32	36	-0.70	56	-2.19	76	-2.26
17	0.17	37	-0.82	57	-1.80	77	-2.44
18	0.0	38	-0.97	58	-1.80	78	-2.73
19	-0.10	39	-1.24	59	-1.98	79	-2.90
20	-0.24	40	-1.52	60	-2.25	80	-3.31

1	-0.29	6	0.10	11	-0.30	16	0.03
2	-0.10	7	0.13	12	-0.24	17	0.07
3	-0.04	8	0.10	13	-0.14	18	0.05
4	0.00	9	0.06	14	-0.10	19	0.10
5	0.06	10	0.02	15	-0.02	20	0.13

9/30/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.06	41	-1.44	61	-2.54
2	2.35	22	0.04	42	-1.01	62	-2.86
3	2.19	23	-0.12	43	-1.19	63	-3.15
4	2.01	24	-0.29	44	-1.30	64	-3.65
5	1.84	25	-0.41	45	-1.31	65	-3.52
6	1.69	26	-0.42	46	-1.50	66	-3.06
7	1.60	27	-0.62	47	-1.76	67	-3.02
8	1.49	28	-0.64	48	-1.98	68	-2.49
9	1.38	29	-0.43	49	-1.54	69	-2.21
10	1.25	30	-0.43	50	-1.43	70	-2.21
11	1.12	31	-0.66	51	-1.53	71	-2.15
12	1.00	32	-0.40	52	-1.64	72	-2.25
13	0.91	33	-0.43	53	-1.88	73	-2.00
14	0.87	34	-0.47	54	-2.02	74	-1.88
15	0.86	35	-0.51	55	-2.38	75	-2.09
16	0.70	36	-0.56	56	-2.90	76	-2.09
17	0.61	37	-0.68	57	-2.56	77	-2.40
18	0.51	38	-0.69	58	-2.38	78	-2.36
19	0.39	39	-0.79	59	-2.40	79	-2.60
20	0.25	40	-1.02	60	-2.50	80	-3.02

1	-0.01	6	0.15	11	0.00	16	0.07
2	0.02	7	0.18	12	0.00	17	0.03
3	-0.08	8	0.23	13	0.03	18	0.05
4	0.09	9	0.30	14	0.02	19	0.03
5	0.09	10	0.33	15	0.01	20	-0.04

10/ 7/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	0.22	41	-1.98	61	-2.00
2	2.39	22	0.21	42	-1.63	62	-1.90
3	2.25	23	0.13	43	-1.27	63	-1.92
4	2.07	24	0.06	44	-1.02	64	-2.65
5	1.91	25	-0.02	45	-1.03	65	-2.48
6	1.78	26	-0.12	46	-1.07	66	-1.75
7	1.67	27	-0.21	47	-1.15	67	-1.58
8	1.58	28	-0.30	48	-2.13	68	-1.63
9	1.49	29	-0.38	49	-1.83	69	-1.69
10	1.37	30	-0.50	50	-1.43	70	-1.86
11	1.26	31	-1.26	51	-1.26	71	-2.09
12	1.15	32	-0.79	52	-1.78	72	-2.73
13	1.04	33	-0.64	53	-2.21	73	-2.81
14	0.94	34	-0.65	54	-2.64	74	-2.00
15	0.80	35	-0.68	55	-2.97	75	-1.92
16	0.75	36	-0.70	56	-3.44	76	-1.97
17	0.66	37	-0.71	57	-3.35	77	-2.13
18	0.58	38	-0.82	58	-2.90	78	-2.38
19	0.47	39	-0.92	59	-2.23	79	-2.72
20	0.38	40	-1.05	60	-2.24	80	-3.31

1	0.16	6	0.12	11	0.17	16	0.13
2	0.23	7	0.07	12	0.22	17	0.02
3	0.21	8	0.09	13	0.23	18	0.14
4	0.14	9	0.11	14	0.21	19	0.08
5	0.16	10	0.10	15	0.17	20	0.01

10/14/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	-0.14	41	-2.74	61	-2.48
2	2.38	22	-0.19	42	-2.79	62	-3.26
3	2.22	23	-0.28	43	-2.80	63	-3.48
4	2.08	24	-0.50	44	-2.75	64	-3.64
5	2.05	25	-0.83	45	-2.74	65	-2.38
6	1.81	26	-0.87	46	-2.85	66	-2.82
7	1.66	27	-0.80	47	-3.03	67	-2.86
8	1.52	28	-0.90	48	-3.15	68	-2.91
9	1.33	29	-1.00	49	-3.11	69	-3.42
10	1.21	30	-1.11	50	-3.11	70	-3.36
11	1.10	31	-1.24	51	-3.05	71	-4.14
12	0.98	32	-1.23	52	-3.11	72	-4.36
13	0.85	33	-1.51	53	-3.01	73	-4.22
14	0.70	34	-1.93	54	-2.68	74	-4.18
15	0.55	35	-1.92	55	-2.65	75	-4.22
16	0.41	36	-2.21	56	-2.33	76	-4.24
17	0.36	37	-2.22	57	-2.70	77	-4.32
18	0.28	38	-2.34	58	-2.08	78	-4.36
19	0.17	39	-2.48	59	-2.00	79	-4.45
20	0.07	40	-2.46	60	-2.11	80	-4.41

1	-0.17	6	-0.13	11	-0.15	16	-0.24
2	-0.20	7	-0.22	12	-0.19	17	-0.21
3	-0.15	8	-0.15	13	-0.21	18	-0.16
4	-0.20	9	-0.24	14	-0.23	19	-0.13
5	-0.21	10	-0.23	15	-0.20	20	-0.19

10/21/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	-0.11	41	-2.74	61	-3.09
2	2.15	22	-0.20	42	-2.96	62	-3.10
3	1.96	23	-0.37	43	-2.80	63	-3.53
4	1.77	24	-0.48	44	-2.81	64	-4.22
5	1.60	25	-0.68	45	-2.53	65	-4.55
6	1.45	26	-0.92	46	-2.67	66	-3.85
7	1.29	27	-1.23	47	-2.61	67	-3.58
8	1.12	28	-1.43	48	-3.12	68	-3.47
9	0.98	29	-1.68	49	-3.27	69	-3.45
10	0.87	30	-1.85	50	-3.32	70	-3.56
11	0.75	31	-2.18	51	-3.24	71	-3.93
12	0.66	32	-2.11	52	-2.94	72	-4.54
13	0.56	33	-2.14	53	-2.55	73	-4.50
14	0.47	34	-2.50	54	-2.69	74	-3.72
15	0.36	35	-2.61	55	-2.75	75	-4.09
16	0.25	36	-2.56	56	-3.52	76	-3.75
17	0.31	37	-2.40	57	-3.56	77	-3.56
18	0.25	38	-2.60	58	-3.13	78	-3.90
19	0.09	39	-2.56	59	-3.00	79	-3.88
20	0.04	40	-2.93	60	-2.98	80	-4.85

1	-0.17	6	-0.18	11	-0.13	16	-0.25
2	-0.20	7	-0.23	12	-0.15	17	-0.18
3	-0.17	8	-0.21	13	-0.23	18	-0.13
4	-0.18	9	-0.23	14	-0.23	19	-0.13
5	-0.20	10	-0.24	15	-0.19	20	-0.14

10/28/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	-0.20	41	-2.76	61	-3.19
2	2.17	22	-0.80	42	-2.41	62	-3.50
3	2.05	23	-0.89	43	-2.37	63	-3.55
4	1.96	24	-0.89	44	-2.60	64	-3.92
5	1.87	25	-0.94	45	-2.75	65	-4.02
6	1.77	26	-1.05	46	-2.81	66	-3.39
7	1.65	27	-1.15	47	-2.90	67	-3.40
8	1.55	28	-1.28	48	-2.98	68	-3.99
9	1.45	29	-1.82	49	-2.30	69	-4.07
10	1.35	30	-1.95	50	-1.90	70	-4.00
11	1.27	31	-2.30	51	-1.87	71	-3.93
12	1.25	32	-1.84	52	-2.01	72	-4.41
13	1.21	33	-1.99	53	-2.14	73	-4.60
14	1.16	34	-2.12	54	-2.43	74	-4.59
15	0.97	35	-2.21	55	-2.77	75	-4.71
16	0.66	36	-2.17	56	-3.40	76	-4.74
17	0.55	37	-2.40	57	-3.41	77	-4.78
18	0.38	38	-2.42	58	-2.70	78	-4.78
19	0.23	39	-2.59	59	-2.55	79	-4.81
20	0.05	40	-2.70	60	-2.52	80	-4.94

1	-0.09	6	-0.01	11	-0.25	16	0.16
2	-0.11	7	-0.06	12	-0.25	17	-0.01
3	-0.16	8	0.06	13	-0.23	18	0.02
4	-0.23	9	-0.09	14	-0.12	19	0.05
5	0.01	10	-0.35	15	0.04	20	-0.09

11/ 4/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	-0.24	41	-2.72	61	-3.55
2	2.27	22	-0.34	42	-2.65	62	-3.76
3	2.11	23	-0.56	43	-2.60	63	-3.87
4	1.98	24	-0.82	44	-2.74	64	-4.01
5	1.90	25	-0.98	45	-2.76	65	-4.07
6	1.78	26	-1.25	46	-2.85	66	-4.00
7	1.57	27	-1.43	47	-3.00	67	-4.03
8	1.46	28	-1.76	48	-3.10	68	-4.10
9	1.39	29	-1.82	49	-2.84	69	-4.33
10	1.25	30	-1.97	50	-2.66	70	-4.42
11	1.06	31	-2.18	51	-2.72	71	-4.43
12	0.94	32	-1.89	52	-2.86	72	-4.61
13	0.78	33	-2.06	53	-3.04	73	-4.74
14	0.78	34	-2.16	54	-3.22	74	-4.62
15	0.65	35	-2.17	55	-3.38	75	-4.69
16	0.59	36	-2.22	56	-3.58	76	-4.73
17	0.48	37	-2.47	57	-3.62	77	-4.76
18	0.24	38	-2.51	58	-3.08	78	-4.78
19	0.20	39	-2.65	59	-3.26	79	-4.80
20	0.11	40	-2.70	60	-3.43	80	-4.84

1	-0.19	6	-0.04	11	-0.02	16	-0.02
2	-0.11	7	-0.06	12	-0.06	17	-0.08
3	-0.08	8	0.04	13	-0.02	18	-0.10
4	-0.08	9	0.19	14	-0.05	19	-0.16
5	-0.04	10	0.15	15	-0.04	20	-0.24

11/11/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.44	21	0.31	41	-1.45	61	-3.62
2	2.31	22	0.14	42	-0.94	62	-3.83
3	2.22	23	0.04	43	-0.88	63	-3.90
4	2.15	24	-0.04	44	-0.85	64	-3.98
5	2.07	25	-0.10	45	-0.98	65	-3.96
6	2.02	26	-0.20	46	-1.00	66	-3.89
7	1.98	27	-0.35	47	-1.12	67	-3.80
8	1.92	28	-0.43	48	-1.64	68	-3.75
9	1.72	29	-0.52	49	-1.65	69	-3.79
10	1.69	30	-0.65	50	-1.34	70	-3.85
11	1.59	31	-0.80	51	-1.78	71	-4.00
12	1.42	32	-0.67	52	-2.19	72	-4.02
13	1.28	33	-0.62	53	-2.32	73	-3.93
14	1.17	34	-0.73	54	-2.69	74	-3.86
15	1.07	35	-0.80	55	-2.72	75	-3.70
16	0.95	36	-0.82	56	-3.06	76	-3.72
17	0.81	37	-0.98	57	-3.03	77	-3.80
18	0.81	38	-1.00	58	-2.94	78	-3.82
19	0.62	39	-1.06	59	-3.00	79	-3.98
20	0.48	40	-1.26	60	-3.21	80	-4.12

1	1.02	6	0.93	11	0.96	16	1.15
2	0.91	7	0.91	12	0.94	17	0.97
3	0.86	8	0.90	13	0.87	18	0.84
4	0.88	9	0.83	14	0.93	19	0.87
5	0.87	10	0.80	15	1.04	20	0.89

11/18/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	-0.14	41	-2.37	61	-3.48
2	2.18	22	-0.75	42	-1.81	62	-3.61
3	2.08	23	-0.83	43	-1.74	63	-3.69
4	1.96	24	-0.76	44	-1.74	64	-3.70
5	1.90	25	-0.70	45	-1.79	65	-3.44
6	1.74	26	-0.75	46	-2.00	66	-3.37
7	1.70	27	-0.78	47	-2.50	67	-3.46
8	1.66	28	-0.84	48	-3.19	68	-3.87
9	1.62	29	-0.90	49	-2.92	69	-3.99
10	1.56	30	-1.08	50	-2.70	70	-4.05
11	1.41	31	-1.16	51	-3.14	71	-4.11
12	1.26	32	-0.83	52	-3.18	72	-4.16
13	1.13	33	-0.95	53	-3.14	73	-4.02
14	1.02	34	-1.06	54	-3.25	74	-4.01
15	0.94	35	-1.18	55	-3.26	75	-4.11
16	0.88	36	-1.30	56	-3.29	76	-4.18
17	0.70	37	-1.38	57	-3.21	77	-4.19
18	0.48	38	-1.45	58	-3.25	78	-4.10
19	0.31	39	-1.73	59	-3.34	79	-3.77
20	0.16	40	-1.96	60	-3.41	80	-3.85

1	-0.30	6	-0.30	11	-0.30	16	-0.17
2	-0.32	7	-0.49	12	-0.23	17	-0.10
3	-0.29	8	-0.36	13	-0.26	18	-0.18
4	-0.30	9	-0.33	14	-0.22	19	-0.13
5	-0.30	10	-0.27	15	-0.21	20	-0.20

11/25/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.35	21	0.05	41	-2.26	61	-3.52
2	2.16	22	-0.32	42	-1.98	62	-3.53
3	2.06	23	-0.63	43	-2.01	63	-3.62
4	1.95	24	-0.50	44	-1.99	64	-3.64
5	1.90	25	-0.43	45	-1.99	65	-3.40
6	1.71	26	-0.43	46	-2.22	66	-3.47
7	1.69	27	-0.47	47	-2.57	67	-3.63
8	1.63	28	-0.50	48	-3.16	68	-3.71
9	1.59	29	-0.63	49	-2.68	69	-3.86
10	1.54	30	-0.81	50	-2.86	70	-3.98
11	1.40	31	-1.10	51	-3.12	71	-4.08
12	1.30	32	-0.90	52	-3.14	72	-4.13
13	1.21	33	-1.08	53	-3.16	73	-4.01
14	1.08	34	-1.13	54	-3.21	74	-4.00
15	0.94	35	-1.21	55	-3.30	75	-4.06
16	0.71	36	-1.30	56	-3.31	76	-4.03
17	0.60	37	-1.49	57	-3.20	77	-4.00
18	0.47	38	-1.68	58	-3.19	78	-3.80
19	0.32	39	-1.87	59	-3.35	79	-3.63
20	0.21	40	-2.23	60	-3.46	80	-3.62

1	-0.46	6	-0.62	11	-0.11	16	-0.23
2	-0.45	7	-0.61	12	-0.24	17	-0.47
3	-0.45	8	-0.56	13	-0.25	18	-0.13
4	-0.50	9	-0.50	14	-0.37	19	-0.32
5	-0.63	10	-0.42	15	-0.46	20	-0.30

12/ 2/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.44	41	-2.95	61	-3.23
2	2.19	22	-0.70	42	-2.63	62	-3.56
3	2.08	23	-0.88	43	-2.35	63	-3.82
4	2.01	24	-1.06	44	-2.36	64	-4.16
5	1.92	25	-1.04	45	-2.37	65	-3.63
6	1.78	26	-1.09	46	-2.52	66	-3.37
7	1.60	27	-1.21	47	-3.15	67	-3.34
8	1.38	28	-1.34	48	-3.27	68	-3.43
9	1.21	29	-1.36	49	-3.38	69	-3.52
10	1.08	30	-1.80	50	-2.92	70	-3.76
11	0.97	31	-2.22	51	-2.85	71	-3.87
12	0.83	32	-1.96	52	-2.87	72	-4.18
13	0.73	33	-1.63	53	-3.05	73	-3.51
14	0.62	34	-1.64	54	-3.48	74	-3.01
15	0.48	35	-1.84	55	-3.78	75	-2.95
16	0.43	36	-1.92	56	-3.83	76	-3.02
17	0.37	37	-1.83	57	-3.50	77	-3.06
18	0.26	38	-2.05	58	-3.21	78	-3.35
19	0.10	39	-2.13	59	-3.16	79	-3.43
20	-0.03	40	-2.65	60	-3.18	80	-3.78

1	0.33	6	0.44	11	0.45	16	0.47
2	0.33	7	0.51	12	0.44	17	0.48
3	0.38	8	0.46	13	0.45	18	0.44
4	0.47	9	0.53	14	0.50	19	0.39
5	0.44	10	0.51	15	0.47	20	0.31

12/ 9/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	-1.00	41	-2.44	61	-3.30
2	2.22	22	-1.04	42	-2.03	62	-3.49
3	2.11	23	-1.15	43	-2.21	63	-3.98
4	2.02	24	-1.17	44	-2.39	64	-4.08
5	1.98	25	-1.26	45	-2.86	65	-4.01
6	1.79	26	-1.32	46	-3.06	66	-3.38
7	1.62	27	-1.38	47	-3.21	67	-3.40
8	1.43	28	-1.40	48	-3.28	68	-3.44
9	1.33	29	-1.40	49	-2.78	69	-3.48
10	1.25	30	-1.45	50	-2.66	70	-3.50
11	1.19	31	-1.40	51	-2.73	71	-3.86
12	1.14	32	-1.06	52	-2.95	72	-4.03
13	1.10	33	-1.16	53	-3.21	73	-3.68
14	1.07	34	-1.21	54	-3.35	74	-3.22
15	0.98	35	-1.34	55	-3.50	75	-3.00
16	0.62	36	-1.40	56	-3.46	76	-2.95
17	0.52	37	-1.44	57	-3.29	77	-3.12
18	0.25	38	-1.76	58	-3.16	78	-3.40
19	-0.04	39	-1.94	59	-3.08	79	-3.61
20	-0.44	40	-2.10	60	-3.14	80	-3.62

1	-0.88	6	-0.58	11	-1.03	16	-0.67
2	-0.81	7	-0.56	12	-1.03	17	-0.76
3	-0.85	8	-0.62	13	-1.03	18	-0.63
4	-0.87	9	-0.50	14	-0.67	19	-0.70
5	-0.79	10	-0.41	15	-0.44	20	-0.45

12/16/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-1.25	41	-2.80	61	-3.37
2	2.19	22	-1.10	42	-2.18	62	-3.52
3	2.09	23	-1.18	43	-2.22	63	-3.76
4	2.01	24	-1.20	44	-2.35	64	-3.95
5	1.94	25	-1.30	45	-2.78	65	-3.46
6	1.77	26	-1.16	46	-2.96	66	-3.37
7	1.61	27	-1.04	47	-3.08	67	-3.34
8	1.41	28	-0.96	48	-3.26	68	-3.40
9	1.32	29	-1.02	49	-2.64	69	-3.40
10	1.24	30	-1.44	50	-2.65	70	-3.53
11	1.20	31	-1.80	51	-2.83	71	-3.65
12	1.27	32	-1.35	52	-2.82	72	-3.75
13	1.31	33	-1.31	53	-3.07	73	-3.04
14	1.06	34	-1.39	54	-3.23	74	-2.96
15	0.77	35	-1.50	55	-3.44	75	-3.00
16	0.42	36	-1.58	56	-3.70	76	-3.03
17	0.26	37	-1.63	57	-3.16	77	-3.11
18	0.0	38	-1.68	58	-3.04	78	-3.16
19	-0.51	39	-1.95	59	-3.16	79	-3.29
20	-0.74	40	-2.35	60	-3.20	80	-3.53

1	0.39	6	0.58	11	0.38	16	0.56
2	0.46	7	0.60	12	0.44	17	0.50
3	0.55	8	0.54	13	0.51	18	0.68
4	0.62	9	0.47	14	0.58	19	0.47
5	0.55	10	0.42	15	0.48	20	0.40

12/23/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	-0.32	41	-2.71	61	-3.23
2	2.49	22	-0.47	42	-2.24	62	-3.28
3	2.29	23	-0.81	43	-1.99	63	-3.77
4	2.14	24	-0.93	44	-2.00	64	-4.04
5	2.05	25	-0.75	45	-2.15	65	-3.51
6	1.99	26	-0.82	46	-2.30	66	-3.10
7	1.79	27	-0.95	47	-2.81	67	-3.38
8	1.57	28	-0.94	48	-3.40	68	-3.19
9	1.40	29	-0.94	49	-3.34	69	-3.24
10	1.35	30	-1.11	50	-2.82	70	-3.27
11	1.17	31	-1.82	51	-2.84	71	-3.30
12	1.25	32	-1.52	52	-2.82	72	-3.72
13	1.09	33	-1.22	53	-2.88	73	-2.97
14	0.89	34	-1.23	54	-3.04	74	-2.70
15	0.66	35	-1.30	55	-3.54	75	-2.88
16	0.43	36	-1.40	56	-3.83	76	-2.95
17	0.30	37	-1.60	57	-3.30	77	-3.05
18	0.15	38	-1.63	58	-3.17	78	-3.10
19	-0.49	39	-1.78	59	-3.10	79	-3.34
20	-0.61	40	-2.17	60	-3.05	80	-3.70

1	-0.35	6	-0.10	11	-0.37	16	-0.17
2	-0.20	7	-0.17	12	-0.40	17	-0.15
3	-0.20	8	-0.08	13	-0.69	18	-0.11
4	-0.22	9	0.06	14	-0.98	19	-0.11
5	-0.10	10	0.01	15	-0.29	20	-0.06

12/28/1982							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	-1.16	41	-2.83	61	-3.00
2	2.23	22	-0.90	42	-2.82	62	-3.11
3	2.11	23	-0.91	43	-2.00	63	-3.37
4	2.02	24	-0.95	44	-1.80	64	-3.76
5	2.01	25	-0.94	45	-1.84	65	-3.29
6	1.81	26	-1.10	46	-1.99	66	-2.80
7	1.63	27	-1.15	47	-2.53	67	-2.80
8	1.55	28	-1.48	48	-3.29	68	-2.86
9	1.47	29	-1.63	49	-3.13	69	-2.88
10	1.37	30	-1.73	50	-2.55	70	-2.99
11	1.27	31	-1.92	51	-2.55	71	-3.22
12	1.15	32	-1.70	52	-2.70	72	-3.58
13	1.06	33	-1.72	53	-2.69	73	-3.25
14	0.91	34	-2.00	54	-2.96	74	-2.79
15	0.76	35	-1.71	55	-3.53	75	-2.83
16	0.50	36	-1.76	56	-3.68	76	-2.95
17	0.32	37	-1.70	57	-3.30	77	-3.11
18	0.16	38	-1.86	58	-2.95	78	-3.32
19	-0.09	39	-2.03	59	-2.82	79	-3.70
20	-0.79	40	-2.26	60	-3.01	80	-3.85

1	0.59	6	0.82	11	0.52	16	0.68
2	0.57	7	0.83	12	0.58	17	0.66
3	0.64	8	0.89	13	0.65	18	0.60
4	0.64	9	0.99	14	0.66	19	0.62
5	0.73	10	1.05	15	0.69	20	0.68

1/ 6/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.29	21	-0.76	41	-2.69	61	-3.04
2	2.13	22	-1.11	42	-2.03	62	-3.22
3	2.04	23	-0.92	43	-1.84	63	-3.26
4	1.97	24	-0.89	44	-1.98	64	-3.54
5	1.78	25	-0.98	45	-1.98	65	-3.19
6	1.74	26	-1.07	46	-2.17	66	-2.81
7	1.61	27	-1.32	47	-2.62	67	-2.70
8	1.60	28	-1.54	48	-2.92	68	-2.95
9	1.59	29	-1.64	49	-2.87	69	-3.26
10	1.57	30	-1.88	50	-2.65	70	-3.37
11	1.13	31	-1.99	51	-2.63	71	-3.42
12	0.89	32	-1.62	52	-2.81	72	-3.56
13	0.64	33	-1.48	53	-2.87	73	-3.35
14	0.41	34	-1.23	54	-3.03	74	-2.74
15	0.24	35	-1.37	55	-3.44	75	-2.88
16	0.10	36	-1.44	56	-3.67	76	-3.07
17	0.01	37	-1.58	57	-3.34	77	-3.21
18	-0.37	38	-1.74	58	-2.92	78	-3.44
19	-0.42	39	-2.01	59	-2.85	79	-3.64
20	-0.58	40	-2.56	60	-2.90	80	-3.72

1	0.07	6	0.26	11	0.07	16	0.22
2	0.07	7	0.27	12	0.08	17	0.24
3	0.08	8	0.27	13	0.16	18	0.24
4	0.14	9	0.24	14	0.18	19	0.20
5	0.18	10	0.30	15	0.22	20	0.18

1/13/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.28	21	-0.60	41	-2.59	61	-2.46
2	2.14	22	-0.51	42	-2.43	62	-2.57
3	2.05	23	-0.65	43	-2.25	63	-2.69
4	1.98	24	-0.81	44	-2.04	64	-2.81
5	1.86	25	-1.05	45	-2.23	65	-2.46
6	1.71	26	-1.19	46	-2.32	66	-2.50
7	1.61	27	-1.31	47	-2.52	67	-2.64
8	1.60	28	-1.38	48	-3.04	68	-2.72
9	1.56	29	-1.47	49	-2.80	69	-2.98
10	1.54	30	-1.61	50	-2.19	70	-3.15
11	1.23	31	-1.74	51	-2.10	71	-3.47
12	1.10	32	-1.54	52	-2.17	72	-3.43
13	0.91	33	-1.29	53	-2.22	73	-3.20
14	0.61	34	-1.18	54	-2.40	74	-3.10
15	0.35	35	-1.17	55	-2.70	75	-3.20
16	0.19	36	-1.20	56	-3.15	76	-3.49
17	0.16	37	-1.30	57	-2.73	77	-3.58
18	-0.04	38	-1.45	58	-2.40	78	-3.71
19	-0.20	39	-1.86	59	-2.32	79	-3.81
20	-0.23	40	-2.16	60	-2.32	80	-3.91

1	0.22	6	0.37	11	0.16	16	0.47
2	0.27	7	0.36	12	0.18	17	0.55
3	0.30	8	0.45	13	0.20	18	0.56
4	0.35	9	0.43	14	0.27	19	0.54
5	0.37	10	0.45	15	0.46	20	0.58

1/20/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	-0.22	41	-2.13	61	-2.68
2	2.19	22	-0.29	42	-1.85	62	-3.00
3	2.09	23	-0.33	43	-1.85	63	-3.05
4	1.99	24	-0.48	44	-2.04	64	-3.13
5	1.90	25	-0.57	45	-2.20	65	-2.99
6	1.74	26	-0.61	46	-2.28	66	-2.40
7	1.65	27	-0.89	47	-2.50	67	-2.33
8	1.62	28	-1.03	48	-3.22	68	-2.41
9	1.59	29	-1.20	49	-3.13	69	-2.70
10	1.33	30	-1.35	50	-2.71	70	-2.97
11	1.12	31	-1.62	51	-2.52	71	-3.25
12	0.95	32	-1.19	52	-2.49	72	-3.30
13	0.79	33	-1.06	53	-2.48	73	-3.42
14	0.65	34	-1.17	54	-2.53	74	-2.99
15	0.50	35	-1.48	55	-2.89	75	-3.04
16	0.30	36	-1.65	56	-3.48	76	-3.18
17	0.22	37	-1.60	57	-3.41	77	-3.40
18	0.10	38	-1.59	58	-3.16	78	-3.56
19	-0.03	39	-1.50	59	-2.83	79	-3.80
20	-0.12	40	-2.00	60	-2.67	80	-4.37

1	-0.26	6	-0.19	11	-0.16	16	-0.00
2	-0.26	7	-0.24	12	-0.16	17	0.08
3	-0.21	8	-0.22	13	-0.11	18	0.10
4	-0.21	9	-0.20	14	-0.10	19	0.08
5	-0.24	10	-0.16	15	-0.02	20	0.03

1/27/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.33	21	-0.07	41	-2.49	61	-2.52
2	2.16	22	-0.45	42	-1.81	62	-2.70
3	2.07	23	-0.56	43	-1.70	63	-2.90
4	2.00	24	-0.84	44	-2.70	64	-3.02
5	1.91	25	-0.95	45	-1.76	65	-2.76
6	1.76	26	-0.96	46	-2.12	66	-2.59
7	1.64	27	-1.16	47	-2.70	67	-2.72
8	1.63	28	-1.32	48	-3.10	68	-2.84
9	1.50	29	-1.40	49	-2.60	69	-3.06
10	1.31	30	-1.58	50	-2.37	70	-3.23
11	1.16	31	-1.82	51	-2.37	71	-3.43
12	1.03	32	-1.31	52	-2.40	72	-3.64
13	0.99	33	-1.12	53	-2.48	73	-3.30
14	0.99	34	-1.10	54	-2.61	74	-3.29
15	0.94	35	-1.11	55	-2.96	75	-3.34
16	0.72	36	-1.20	56	-3.28	76	-3.51
17	0.63	37	-1.28	57	-2.98	77	-3.68
18	0.54	38	-1.34	58	-2.36	78	-3.89
19	0.42	39	-1.76	59	-2.31	79	-4.01
20	0.28	40	-2.06	60	-2.37	80	-4.07

1	0.94	6	0.58	11	1.01	16	1.03
2	0.83	7	0.72	12	0.95	17	0.62
3	0.76	8	0.59	13	0.83	18	0.51
4	0.90	9	0.54	14	1.08	19	0.55
5	0.60	10	0.51	15	1.04	20	0.53

2/ 3/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.27	21	0.14	41	-2.34	61	-1.80
2	2.13	22	0.03	42	-1.65	62	-1.80
3	2.06	23	-0.10	43	-1.38	63	-2.10
4	1.99	24	-0.17	44	-1.41	64	-2.97
5	1.88	25	-0.30	45	-1.50	65	-2.65
6	1.74	26	-0.29	46	-1.78	66	-2.23
7	1.64	27	-0.36	47	-2.05	67	-2.26
8	1.64	28	-0.41	48	-2.80	68	-2.34
9	1.53	29	-0.54	49	-2.61	69	-2.61
10	1.38	30	-0.60	50	-1.92	70	-2.88
11	1.31	31	-1.16	51	-1.85	71	-3.54
12	1.19	32	-0.83	52	-1.89	72	-4.07
13	1.06	33	-0.70	53	-1.98	73	-3.96
14	0.93	34	-0.72	54	-2.10	74	-3.58
15	0.81	35	-0.81	55	-2.29	75	-3.55
16	0.69	36	-0.87	56	-3.07	76	-3.47
17	0.60	37	-0.95	57	-2.70	77	-3.78
18	0.48	38	-1.01	58	-2.22	78	-4.06
19	0.37	39	-1.29	59	-1.84	79	-4.25
20	0.27	40	-1.66	60	-1.80	80	-4.50

1	0.09	6	-0.01	11	0.08	16	0.07
2	0.08	7	-0.01	12	0.07	17	0.08
3	0.02	8	-0.01	13	0.06	18	0.07
4	-0.02	9	0.04	14	0.05	19	0.09
5	-0.01	10	0.07	15	0.06	20	0.10

2/10/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.60	41	-1.59	61	-2.05
2	2.18	22	0.24	42	-1.54	62	-2.31
3	2.06	23	-0.08	43	-1.62	63	-2.26
4	2.00	24	-0.22	44	-1.69	64	-2.53
5	1.94	25	-0.24	45	-1.82	65	-2.69
6	1.76	26	-0.35	46	-2.10	66	-2.18
7	1.67	27	-0.54	47	-2.20	67	-2.24
8	1.57	28	-0.63	48	-2.30	68	-2.38
9	1.54	29	-0.68	49	-1.83	69	-3.01
10	1.45	30	-0.66	50	-1.79	70	-3.38
11	1.29	31	-0.81	51	-1.74	71	-3.65
12	1.15	32	-0.62	52	-1.76	72	-3.80
13	1.03	33	-0.70	53	-1.81	73	-3.58
14	0.90	34	-0.76	54	-2.01	74	-3.39
15	0.78	35	-0.82	55	-2.12	75	-3.42
16	0.71	36	-0.92	56	-2.27	76	-3.45
17	0.61	37	-1.02	57	-1.73	77	-4.00
18	0.74	38	-1.09	58	-1.67	78	-4.14
19	0.89	39	-1.22	59	-1.71	79	-4.24
20	0.90	40	-1.35	60	-1.85	80	-4.55

1	-0.39	6	-0.33	11	0.40	16	0.39
2	-0.38	7	-0.32	12	0.35	17	0.34
3	-0.41	8	-0.32	13	0.35	18	0.34
4	-0.34	9	-0.33	14	0.36	19	0.36
5	-0.36	10	-0.28	15	0.27	20	0.31

2/17/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.32	41	-2.53	61	-2.50
2	2.34	22	0.24	42	-2.07	62	-2.52
3	2.17	23	0.11	43	-1.90	63	-2.80
4	2.06	24	-0.04	44	-1.85	64	-3.40
5	1.98	25	-0.14	45	-2.17	65	-3.16
6	1.86	26	-0.17	46	-2.19	66	-2.61
7	1.70	27	-0.26	47	-2.51	67	-2.68
8	1.64	28	-0.32	48	-3.30	68	-2.55
9	1.63	29	-0.40	49	-2.81	69	-2.20
10	1.50	30	-0.50	50	-2.34	70	-2.30
11	1.36	31	-1.08	51	-2.14	71	-3.18
12	1.21	32	-0.84	52	-2.09	72	-3.36
13	1.08	33	-0.71	53	-2.04	73	-3.60
14	1.00	34	-0.79	54	-2.58	74	-3.20
15	0.95	35	-0.86	55	-2.67	75	-3.21
16	0.96	36	-0.90	56	-3.23	76	-3.36
17	0.89	37	-0.97	57	-3.40	77	-3.50
18	0.76	38	-1.14	58	-3.06	78	-3.70
19	0.62	39	-1.34	59	-2.72	79	-4.10
20	0.50	40	-1.75	60	-2.44	80	-4.56

1	0.27	6	0.22	11	0.26	16	0.26
2	0.27	7	0.33	12	0.28	17	0.26
3	0.31	8	0.25	13	0.24	18	0.22
4	0.27	9	0.22	14	0.25	19	0.21
5	0.20	10	0.20	15	0.23	20	0.23

2/24/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.16	41	-2.72	61	-2.73
2	2.17	22	0.02	42	-2.01	62	-2.88
3	2.00	23	-0.17	43	-1.84	63	-2.98
4	1.87	24	-0.23	44	-2.09	64	-3.47
5	1.72	25	-0.28	45	-2.22	65	-3.13
6	1.57	26	-0.42	46	-2.47	66	-2.52
7	1.42	27	-0.56	47	-2.72	67	-2.46
8	1.25	28	-0.62	48	-3.26	68	-2.57
9	1.10	29	-0.69	49	-2.91	69	-2.40
10	0.98	30	-0.73	50	-2.76	70	-2.73
11	0.88	31	-0.98	51	-2.33	71	-3.18
12	0.77	32	-1.08	52	-2.23	72	-3.26
13	0.70	33	-0.87	53	-2.21	73	-3.54
14	0.63	34	-0.93	54	-2.86	74	-3.14
15	0.57	35	-1.07	55	-3.04	75	-3.13
16	0.47	36	-1.16	56	-3.18	76	-3.25
17	0.42	37	-1.21	57	-3.37	77	-3.42
18	0.39	38	-1.55	58	-3.07	78	-3.88
19	0.31	39	-1.84	59	-2.85	79	-4.24
20	0.28	40	-2.11	60	-2.52	80	-4.40

1	-0.03	6	0.07	11	0.02	16	-0.02
2	0.03	7	0.02	12	0.00	17	0.00
3	-0.01	8	-0.05	13	-0.02	18	-0.01
4	-0.06	9	-0.06	14	-0.05	19	0.03
5	-0.03	10	0.02	15	-0.02	20	0.07

3/ 3/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.30	41	-2.45	61	-2.64
2	2.22	22	0.11	42	-2.50	62	-2.67
3	2.04	23	-0.06	43	-2.56	63	-2.84
4	1.90	24	-0.24	44	-2.67	64	-2.98
5	1.77	25	-0.34	45	-2.73	65	-2.82
6	1.59	26	-0.46	46	-2.83	66	-3.08
7	1.47	27	-0.61	47	-2.92	67	-3.12
8	1.37	28	-0.76	48	-2.84	68	-3.30
9	1.29	29	-0.91	49	-2.70	69	-3.50
10	1.22	30	-0.90	50	-2.66	70	-3.61
11	1.11	31	-1.30	51	-2.62	71	-3.89
12	1.00	32	-1.22	52	-2.55	72	-3.91
13	0.88	33	-1.26	53	-2.54	73	-3.73
14	0.78	34	-1.40	54	-2.60	74	-3.91
15	0.69	35	-1.58	55	-2.52	75	-4.02
16	0.61	36	-1.61	56	-2.58	76	-3.96
17	0.60	37	-1.81	57	-2.30	77	-4.08
18	0.49	38	-1.89	58	-2.23	78	-4.20
19	0.45	39	-2.19	59	-2.29	79	-4.26
20	0.40	40	-2.24	60	-2.55	80	-4.28

1	0.18	6	0.06	11	0.11	16	0.24
2	0.18	7	0.07	12	0.08	17	0.19
3	0.15	8	0.04	13	0.24	18	0.14
4	0.08	9	0.04	14	0.13	19	0.10
5	0.07	10	0.05	15	0.23	20	0.24

3/10/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.30	41	-2.38	61	-2.76
2	2.23	22	-0.90	42	-2.60	62	-3.25
3	2.06	23	-1.45	43	-2.66	63	-3.42
4	1.91	24	-1.57	44	-2.68	64	-3.63
5	1.78	25	-1.60	45	-2.70	65	-3.64
6	1.61	26	-1.58	46	-2.70	66	-3.23
7	1.46	27	-1.57	47	-2.90	67	-3.55
8	1.37	28	-1.29	48	-2.89	68	-3.64
9	1.34	29	-1.20	49	-2.80	69	-3.79
10	1.23	30	-1.41	50	-2.74	70	-3.97
11	1.14	31	-1.90	51	-2.81	71	-4.18
12	1.05	32	-1.40	52	-2.79	72	-4.28
13	0.98	33	-1.32	53	-2.33	73	-4.25
14	0.98	34	-1.66	54	-2.60	74	-3.74
15	1.20	35	-1.96	55	-2.64	75	-3.83
16	1.28	36	-2.01	56	-3.28	76	-4.01
17	1.32	37	-1.93	57	-2.89	77	-4.25
18	1.02	38	-2.17	58	-2.39	78	-4.26
19	0.67	39	-2.33	59	-2.45	79	-4.51
20	0.25	40	-2.37	60	-2.58	80	-4.60

1	-0.18	6	0.29	11	0.07	16	0.28
2	0.01	7	0.24	12	0.22	17	0.30
3	0.10	8	0.15	13	-0.76	18	0.19
4	0.25	9	0.12	14	0.22	19	0.24
5	0.29	10	0.09	15	0.30	20	0.04

3/17/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.45	21	-0.19	41	-2.83	61	-3.79
2	2.22	22	-0.48	42	-2.84	62	-3.88
3	2.10	23	-0.62	43	-2.95	63	-3.95
4	2.02	24	-1.23	44	-2.90	64	-4.09
5	1.97	25	-1.90	45	-3.02	65	-3.97
6	1.97	26	-1.96	46	-3.03	66	-3.52
7	1.94	27	-1.99	47	-3.04	67	-3.50
8	1.90	28	-2.03	48	-3.18	68	-3.72
9	1.82	29	-2.05	49	-3.30	69	-3.90
10	1.76	30	-2.10	50	-3.30	70	-3.97
11	1.66	31	-2.31	51	-3.32	71	-4.02
12	1.54	32	-2.32	52	-3.49	72	-4.10
13	1.40	33	-2.40	53	-3.41	73	-3.83
14	1.26	34	-2.34	54	-3.39	74	-3.48
15	1.11	35	-1.96	55	-3.45	75	-3.63
16	0.88	36	-1.95	56	-3.64	76	-3.63
17	0.69	37	-1.91	57	-3.65	77	-3.72
18	0.48	38	-1.92	58	-3.66	78	-4.10
19	0.26	39	-2.00	59	-3.80	79	-4.08
20	0.02	40	-2.40	60	-3.73	80	-4.47

1	-0.24	6	-0.15	11	-0.28	16	0.14
2	-0.25	7	-0.05	12	-0.15	17	0.22
3	-0.16	8	-0.04	13	0.01	18	0.25
4	-0.04	9	-0.01	14	0.13	19	0.25
5	-0.04	10	-0.05	15	0.07	20	0.16

3/24/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.09	41	-3.01	61	-3.75
2	2.22	22	-0.25	42	-3.00	62	-3.73
3	2.09	23	-0.52	43	-2.95	63	-3.92
4	2.00	24	-1.25	44	-2.95	64	-4.12
5	1.98	25	-1.52	45	-3.14	65	-3.79
6	1.98	26	-1.71	46	-3.25	66	-3.61
7	1.95	27	-1.68	47	-3.20	67	-3.86
8	1.94	28	-1.72	48	-3.20	68	-3.94
9	1.88	29	-1.78	49	-3.50	69	-4.00
10	1.82	30	-2.26	50	-3.63	70	-4.21
11	1.80	31	-2.28	51	-3.71	71	-4.15
12	1.76	32	-2.44	52	-3.75	72	-4.31
13	1.71	33	-2.30	53	-3.80	73	-4.25
14	1.57	34	-2.52	54	-3.92	74	-3.80
15	1.36	35	-2.65	55	-4.06	75	-3.83
16	1.17	36	-2.58	56	-3.76	76	-3.82
17	1.01	37	-2.50	57	-4.09	77	-4.04
18	0.86	38	-2.28	58	-4.07	78	-4.15
19	0.70	39	-2.81	59	-3.52	79	-4.60
20	0.49	40	-2.81	60	-3.75	80	-4.59
1	1.22	6	1.31	11	1.08	16	1.22
2	1.23	7	1.24	12	1.17	17	1.32
3	1.29	8	1.20	13	1.24	18	1.32
4	1.24	9	1.19	14	1.14	19	1.20
5	1.52	10	1.10	15	1.19	20	1.02

3/31/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	0.19	41	-2.72	61	-2.88
2	2.23	22	-0.27	42	-2.26	62	-2.95
3	2.11	23	-0.63	43	-2.07	63	-3.24
4	2.05	24	-0.84	44	-2.21	64	-3.76
5	2.01	25	-1.75	45	-2.43	65	-4.83
6	1.98	26	-2.00	46	-2.67	66	-3.12
7	1.98	27	-1.90	47	-3.05	67	-2.66
8	1.96	28	-1.75	48	-3.32	68	-2.63
9	1.94	29	-2.01	49	-3.55	69	-2.66
10	1.94	30	-2.04	50	-3.06	70	-2.84
11	1.91	31	-2.26	51	-2.86	71	-3.12
12	1.85	32	-2.18	52	-2.85	72	-3.49
13	1.80	33	-1.82	53	-2.93	73	-3.10
14	1.68	34	-1.79	54	-3.26	74	-2.66
15	1.54	35	-1.73	55	-3.60	75	-2.35
16	1.32	36	-1.71	56	-3.71	76	-2.34
17	1.17	37	-1.70	57	-2.81	77	-2.52
18	0.97	38	-1.70	58	-2.44	78	-2.85
19	0.78	39	-1.74	59	-2.91	79	-2.90
20	0.64	40	-2.00	60	-2.90	80	-3.70
1	-0.12	6	0.06	11	-0.50	16	0.45
2	-0.13	7	0.01	12	-0.37	17	0.54
3	-0.12	8	0.04	13	0.29	18	0.42
4	-0.07	9	0.06	14	0.39	19	0.41
5	-0.01	10	0.04	15	0.47	20	0.54

4/ 7/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.13	41	-2.73	61	-3.78
2	2.24	22	-0.13	42	-2.15	62	-3.90
3	2.14	23	-0.28	43	-2.06	63	-3.95
4	2.06	24	-0.51	44	-2.11	64	-4.01
5	2.04	25	-1.37	45	-2.24	65	-3.53
6	2.04	26	-1.74	46	-2.37	66	-3.33
7	2.07	27	-1.95	47	-3.00	67	-3.21
8	2.08	28	-2.03	48	-3.29	68	-3.20
9	2.08	29	-2.04	49	-2.99	69	-3.17
10	2.11	30	-2.14	50	-2.85	70	-3.38
11	2.06	31	-2.40	51	-2.88	71	-3.47
12	1.93	32	-2.12	52	-3.11	72	-3.63
13	1.72	33	-2.36	53	-3.69	73	-3.05
14	1.54	34	-2.39	54	-3.64	74	-2.96
15	1.33	35	-2.19	55	-3.80	75	-3.04
16	1.12	36	-2.10	56	-3.80	76	-3.08
17	1.14	37	-1.96	57	-3.73	77	-3.46
18	1.04	38	-1.87	58	-3.77	78	-3.50
19	0.76	39	-2.19	59	-3.78	79	-3.70
20	0.40	40	-2.50	60	-3.65	80	-3.74
1	0.05	6	0.15	11	0.02	16	-0.01
2	0.12	7	0.12	12	0.06	17	0.09
3	0.20	8	0.15	13	0.02	18	0.20
4	0.15	9	0.16	14	-0.01	19	0.30
5	0.09	10	0.13	15	0.04	20	0.41

4/14/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	-0.09	41	-2.77	61	-3.23
2	2.25	22	-0.42	42	-2.49	62	-3.44
3	2.14	23	-0.66	43	-2.16	63	-3.53
4	2.06	24	-0.90	44	-2.24	64	-3.96
5	2.07	25	-1.68	45	-2.30	65	-3.95
6	2.07	26	-1.92	46	-2.36	66	-3.46
7	2.08	27	-2.06	47	-2.51	67	-3.00
8	2.10	28	-2.02	48	-3.34	68	-2.96
9	2.12	29	-2.14	49	-3.54	69	-2.71
10	2.15	30	-2.09	50	-3.21	70	-2.96
11	2.10	31	-2.44	51	-2.98	71	-3.24
12	1.99	32	-2.41	52	-2.93	72	-3.78
13	1.80	33	-2.20	53	-2.86	73	-3.37
14	1.56	34	-2.32	54	-3.01	74	-2.63
15	1.35	35	-2.10	55	-3.52	75	-2.57
16	1.08	36	-1.82	56	-3.83	76	-2.64
17	0.92	37	-1.83	57	-3.71	77	-2.78
18	0.73	38	-1.80	58	-3.43	78	-3.15
19	0.48	39	-1.83	59	-3.22	79	-3.34
20	0.20	40	-2.25	60	-3.18	80	-3.50
1	-0.14	6	-0.04	11	-0.19	16	0.11
2	-0.13	7	-0.03	12	-0.16	17	0.16
3	-0.05	8	-0.01	13	0.01	18	0.09
4	-0.01	9	0.06	14	0.05	19	0.20
5	0.01	10	0.16	15	0.05	20	0.26

4/21/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.15	41	-2.84	61	-2.68
2	2.25	22	-0.18	42	-2.42	62	-2.55
3	2.13	23	-0.45	43	-2.35	63	-2.68
4	2.06	24	-0.80	44	-2.40	64	-2.92
5	2.04	25	-1.55	45	-2.75	65	-2.29
6	2.03	26	-1.58	46	-3.13	66	-2.36
7	2.07	27	-1.53	47	-3.21	67	-2.28
8	2.09	28	-1.60	48	-3.34	68	-2.40
9	2.13	29	-1.61	49	-2.89	69	-2.45
10	2.14	30	-1.56	50	-2.84	70	-2.56
11	2.10	31	-1.78	51	-2.81	71	-2.90
12	2.00	32	-1.31	52	-2.85	72	-3.14
13	1.72	33	-1.22	53	-2.98	73	-2.82
14	1.47	34	-1.30	54	-3.14	74	-2.62
15	1.35	35	-1.64	55	-3.12	75	-2.78
16	1.21	36	-2.58	56	-3.20	76	-2.90
17	1.08	37	-2.54	57	-2.69	77	-3.03
18	0.86	38	-2.60	58	-2.41	78	-3.39
19	0.63	39	-2.61	59	-2.50	79	-3.41
20	0.38	40	-2.70	60	-2.53	80	-3.95

1	0.06	6	0.20	11	0.06	16	0.07
2	0.01	7	0.05	12	0.06	17	0.07
3	-0.00	8	0.30	13	0.08	18	0.10
4	0.06	9	0.24	14	0.10	19	0.01
5	0.12	10	0.19	15	0.12	20	0.09

4/28/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	-0.08	41	-3.00	61	-2.22
2	2.25	22	-0.22	42	-2.87	62	-2.30
3	2.14	23	-0.41	43	-2.88	63	-2.44
4	2.06	24	-0.72	44	-2.90	64	-2.66
5	2.04	25	-0.73	45	-2.93	65	-2.25
6	2.04	26	-0.82	46	-2.98	66	-2.33
7	2.08	27	-0.90	47	-3.13	67	-2.41
8	2.10	28	-0.97	48	-3.32	68	-2.55
9	2.13	29	-0.99	49	-2.83	69	-2.70
10	2.12	30	-1.03	50	-2.62	70	-2.82
11	2.10	31	-1.51	51	-2.49	71	-3.03
12	1.95	32	-1.24	52	-2.43	72	-3.28
13	1.71	33	-1.32	53	-2.38	73	-2.88
14	1.55	34	-1.73	54	-2.38	74	-2.90
15	1.39	35	-2.27	55	-2.39	75	-3.05
16	1.30	36	-2.40	56	-2.47	76	-3.12
17	1.02	37	-2.47	57	-2.02	77	-3.23
18	0.73	38	-2.55	58	-1.96	78	-3.43
19	0.50	39	-2.61	59	-2.02	79	-3.51
20	0.20	40	-2.72	60	-2.13	80	-3.92

1	-0.12	6	-0.17	11	-0.05	16	-0.08
2	-0.20	7	-0.06	12	-0.03	17	0.01
3	-0.33	8	0.08	13	-0.17	18	0.05
4	-0.36	9	0.15	14	-0.14	19	0.23
5	-0.29	10	0.22	15	-0.08	20	0.35

5/ 5/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.78	21	0.11	41	-2.95	61	-2.35
2	2.67	22	-0.07	42	-2.93	62	-2.52
3	2.45	23	-0.23	43	-2.80	63	-2.63
4	2.27	24	-0.38	44	-2.79	64	-3.00
5	2.14	25	-0.58	45	-2.89	65	-2.42
6	2.06	26	-0.76	46	-2.79	66	-2.46
7	2.04	27	-0.80	47	-2.84	67	-2.65
8	2.07	28	-0.74	48	-3.10	68	-2.70
9	2.09	29	-0.80	49	-2.37	69	-2.91
10	2.10	30	-1.00	50	-2.22	70	-3.09
11	2.10	31	-1.79	51	-2.11	71	-3.24
12	2.06	32	-1.29	52	-2.08	72	-3.50
13	1.85	33	-1.50	53	-2.02	73	-3.08
14	1.61	34	-1.45	54	-2.05	74	-3.00
15	1.33	35	-1.77	55	-2.08	75	-3.12
16	1.05	36	-1.96	56	-2.40	76	-3.26
17	0.88	37	-2.00	57	-1.91	77	-3.38
18	0.60	38	-2.25	58	-1.96	78	-3.52
19	0.44	39	-2.49	59	-2.10	79	-3.70
20	0.30	40	-2.71	60	-2.23	80	-4.03

1	0.16	6	0.09	11	0.08	16	0.10
2	0.09	7	0.08	12	0.06	17	0.10
3	0.15	8	0.08	13	0.11	18	0.10
4	0.13	9	0.05	14	0.12	19	0.06
5	0.12	10	0.10	15	0.07	20	0.04

5/12/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	0.12	41	-2.95	61	-2.52
2	2.23	22	-0.05	42	-2.54	62	-2.63
3	2.15	23	-0.20	43	-2.52	63	-2.75
4	2.05	24	-0.43	44	-2.50	64	-3.08
5	2.06	25	-0.66	45	-2.52	65	-2.68
6	2.07	26	-0.85	46	-2.52	66	-2.72
7	2.09	27	-0.90	47	-2.53	67	-2.85
8	2.08	28	-1.04	48	-2.59	68	-2.94
9	2.11	29	-1.11	49	-1.84	69	-3.08
10	2.11	30	-1.30	50	-1.84	70	-3.14
11	2.10	31	-1.95	51	-1.85	71	-3.34
12	1.97	32	-1.62	52	-1.92	72	-3.63
13	1.77	33	-1.76	53	-1.97	73	-3.25
14	1.58	34	-1.80	54	-2.04	74	-3.20
15	1.35	35	-2.18	55	-2.21	75	-3.32
16	1.00	36	-2.30	56	-2.60	76	-3.42
17	0.84	37	-2.46	57	-2.25	77	-3.54
18	0.63	38	-2.46	58	-2.10	78	-3.82
19	0.44	39	-2.55	59	-2.32	79	-3.67
20	0.26	40	-2.73	60	-2.43	80	-4.00

1	-0.04	6	0.02	11	0.04	16	0.19
2	-0.01	7	0.02	12	0.05	17	0.19
3	-0.02	8	0.05	13	0.03	18	0.20
4	-0.01	9	0.07	14	0.05	19	0.18
5	0.02	10	0.06	15	0.10	20	0.24

5/19/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.45	41	-2.39	61	-2.83
2	2.24	22	-0.04	42	-1.88	62	-3.02
3	2.13	23	-0.44	43	-1.90	63	-3.21
4	2.08	24	-1.07	44	-1.95	64	-3.44
5	2.03	25	-0.90	45	-2.01	65	-3.10
6	2.05	26	-0.74	46	-2.24	66	-2.96
7	2.08	27	-0.74	47	-2.60	67	-3.05
8	2.07	28	-0.76	48	-2.86	68	-3.26
9	2.10	29	-0.83	49	-2.10	69	-3.46
10	2.13	30	-0.87	50	-1.85	70	-3.75
11	2.12	31	-1.31	51	-1.80	71	-3.93
12	1.97	32	-0.92	52	-1.78	72	-4.01
13	1.72	33	-0.97	53	-1.84	73	-3.73
14	1.51	34	-1.16	54	-2.00	74	-3.70
15	1.33	35	-1.28	55	-2.45	75	-3.79
16	1.14	36	-1.36	56	-2.80	76	-3.90
17	1.00	37	-1.67	57	-2.11	77	-4.11
18	0.85	38	-1.95	58	-2.04	78	-4.16
19	0.69	39	-2.14	59	-2.19	79	-4.35
20	0.55	40	-2.32	60	-2.40	80	-4.64

1	0.14	6	0.05	11	-0.11	16	-0.19
2	0.23	7	0.00	12	0.05	17	-0.12
3	0.17	8	-0.03	13	-0.09	18	-0.11
4	0.15	9	-0.12	14	-0.16	19	-0.02
5	0.10	10	-0.11	15	-0.20	20	-0.05

5/26/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.37	21	0.16	41	-2.94	61	-2.18
2	2.22	22	0.05	42	-2.34	62	-2.43
3	2.12	23	-0.07	43	-2.01	63	-3.25
4	2.07	24	-0.18	44	-2.05	64	-3.71
5	2.04	25	-0.26	45	-2.17	65	-3.53
6	2.05	26	-0.39	46	-2.25	66	-3.18
7	2.09	27	-0.50	47	-2.40	67	-3.14
8	2.08	28	-0.51	48	-3.14	68	-3.25
9	2.12	29	-0.60	49	-2.04	69	-4.34
10	2.14	30	-0.64	50	-2.39	70	-3.64
11	2.06	31	-1.04	51	-2.16	71	-3.85
12	1.93	32	-1.00	52	-2.00	72	-4.30
13	1.70	33	-0.90	53	-2.07	73	-4.54
14	1.52	34	-1.00	54	-2.05	74	-4.16
15	1.30	35	-0.95	55	-2.35	75	-3.99
16	1.06	36	-1.06	56	-3.02	76	-4.18
17	0.87	37	-1.28	57	-2.72	77	-4.32
18	0.70	38	-1.55	58	-2.17	78	-4.40
19	0.52	39	-1.85	59	-2.04	79	-4.50
20	0.36	40	-2.28	60	-2.07	80	-4.58

1	0.12	6	0.27	11	0.08	16	0.10
2	0.20	7	0.22	12	0.05	17	0.10
3	0.22	8	0.13	13	0.08	18	0.11
4	0.27	9	0.12	14	0.06	19	0.09
5	0.29	10	0.13	15	0.08	20	0.10

6/ 2/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.34	21	0.20	41	-1.68	61	-2.63
2	2.20	22	-0.03	42	-1.47	62	-2.85
3	2.10	23	-0.24	43	-1.50	63	-2.96
4	2.09	24	-0.40	44	-1.71	64	-3.23
5	2.04	25	-0.64	45	-1.80	65	-2.84
6	2.05	26	-0.71	46	-1.92	66	-2.93
7	2.10	27	-0.70	47	-1.97	67	-3.06
8	2.09	28	-0.70	48	-2.24	68	-3.23
9	2.12	29	-0.84	49	-1.54	69	-3.55
10	2.13	30	-1.48	50	-1.65	70	-3.70
11	2.12	31	-1.80	51	-1.83	71	-3.82
12	1.98	32	-1.75	52	-1.92	72	-4.00
13	1.74	33	-1.46	53	-2.10	73	-3.74
14	1.54	34	-1.52	54	-2.27	74	-3.69
15	1.29	35	-1.43	55	-2.28	75	-3.94
16	1.03	36	-1.30	56	-2.60	76	-3.90
17	0.86	37	-1.29	57	-2.20	77	-4.10
18	0.70	38	-1.37	58	-2.10	78	-4.24
19	0.56	39	-1.51	59	-2.30	79	-4.18
20	0.40	40	-1.73	60	-2.48	80	-4.37

1	0.13	6	0.27	11	0.02	16	0.02
2	0.18	7	0.21	12	0.05	17	0.04
3	0.21	8	0.19	13	0.04	18	0.03
4	0.22	9	0.15	14	0.07	19	-0.04
5	0.25	10	0.18	15	0.07	20	-0.16

6/ 9/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.31	21	0.28	41	-2.40	61	-2.57
2	2.18	22	0.19	42	-1.70	62	-3.10
3	2.11	23	0.01	43	-1.56	63	-3.43
4	2.08	24	-0.14	44	-1.59	64	-3.72
5	2.05	25	-0.24	45	-1.70	65	-3.55
6	2.04	26	-0.41	46	-1.87	66	-3.43
7	2.06	27	-0.61	47	-2.26	67	-3.51
8	2.09	28	-0.81	48	-2.72	68	-3.63
9	2.07	29	-0.90	49	-2.60	69	-3.65
10	2.12	30	-1.11	50	-1.88	70	-4.03
11	2.10	31	-1.62	51	-1.72	71	-4.08
12	1.92	32	-1.08	52	-1.68	72	-4.30
13	1.72	33	-1.10	53	-1.67	73	-4.00
14	1.56	34	-1.00	54	-1.85	74	-3.95
15	1.34	35	-1.07	55	-2.19	75	-4.00
16	1.11	36	-1.10	56	-2.80	76	-4.08
17	0.97	37	-1.11	57	-2.53	77	-4.31
18	0.78	38	-1.17	58	-2.13	78	-4.46
19	0.60	39	-1.25	59	-2.19	79	-4.43
20	0.45	40	-1.80	60	-2.32	80	-4.76

1	0.22	6	0.15	11	0.22	16	0.17
2	0.27	7	0.12	12	0.23	17	0.09
3	0.23	8	0.11	13	0.22	18	0.10
4	0.21	9	0.10	14	0.23	19	0.03
5	0.21	10	0.12	15	0.22	20	-0.02

6/16/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.55	41	-2.33	61	-2.90
2	2.23	22	0.29	42	-2.31	62	-3.45
3	2.15	23	0.03	43	-1.79	63	-3.75
4	2.09	24	-0.19	44	-1.63	64	-3.78
5	2.06	25	-0.40	45	-1.63	65	-3.93
6	2.04	26	-0.59	46	-1.72	66	-4.09
7	2.08	27	-0.82	47	-2.20	67	-4.20
8	2.08	28	-0.90	48	-2.55	68	-4.29
9	2.07	29	-1.11	49	-2.40	69	-4.31
10	2.11	30	-1.55	50	-1.83	70	-4.38
11	2.11	31	-1.69	51	-1.78	71	-4.41
12	1.96	32	-1.23	52	-1.79	72	-4.52
13	1.82	33	-1.17	53	-1.90	73	-4.52
14	1.65	34	-1.25	54	-2.42	74	-4.32
15	1.42	35	-1.22	55	-2.75	75	-4.00
16	1.27	36	-1.18	56	-2.95	76	-4.02
17	1.10	37	-1.22	57	-2.90	77	-4.32
18	0.93	38	-1.31	58	-2.50	78	-4.42
19	0.79	39	-1.63	59	-2.52	79	-4.35
20	0.69	40	-2.20	60	-2.65	80	-4.59

1	0.35	6	0.39	11	0.32	16	0.34
2	0.32	7	0.40	12	0.32	17	0.38
3	0.34	8	0.33	13	0.34	18	0.33
4	0.40	9	0.35	14	0.33	19	0.34
5	0.40	10	0.26	15	0.34	20	0.15

6/23/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	-0.12	41	-2.90	61	-2.50
2	2.23	22	-0.25	42	-2.53	62	-2.57
3	2.13	23	-0.50	43	-2.33	63	-3.55
4	2.08	24	-1.16	44	-2.40	64	-3.60
5	2.11	25	-1.48	45	-2.38	65	-3.68
6	2.11	26	-1.78	46	-2.41	66	-3.60
7	2.11	27	-1.76	47	-2.70	67	-3.35
8	2.10	28	-1.84	48	-3.28	68	-3.75
9	2.13	29	-1.84	49	-3.10	69	-3.64
10	2.12	30	-1.95	50	-2.84	70	-3.80
11	2.16	31	-2.10	51	-2.83	71	-4.10
12	2.04	32	-1.53	52	-2.72	72	-4.52
13	1.81	33	-1.55	53	-2.75	73	-4.65
14	1.55	34	-1.60	54	-2.60	74	-4.24
15	1.33	35	-1.45	55	-2.51	75	-4.16
16	1.07	36	-1.63	56	-3.43	76	-4.40
17	0.85	37	-1.60	57	-3.04	77	-4.67
18	0.60	38	-1.50	58	-2.90	78	-4.80
19	0.39	39	-1.78	59	-2.74	79	-5.00
20	0.13	40	-2.57	60	-2.54	80	-5.00

1	-0.12	6	0.18	11	-0.11	16	0.11
2	-0.08	7	0.24	12	-0.06	17	0.15
3	-0.07	8	0.24	13	0.05	18	0.18
4	0.01	9	0.28	14	0.08	19	0.17
5	0.16	10	0.28	15	0.10	20	0.16

6/30/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.17	41	-3.19	61	-2.15
2	2.26	22	-0.03	42	-2.90	62	-2.11
3	2.15	23	-0.21	43	-2.35	63	-2.20
4	2.09	24	-0.40	44	-2.28	64	-3.06
5	2.06	25	-0.57	45	-2.54	65	-2.88
6	2.04	26	-0.75	46	-2.41	66	-2.41
7	2.09	27	-0.84	47	-2.54	67	-2.58
8	2.08	28	-0.98	48	-3.30	68	-2.82
9	2.15	29	-1.10	49	-2.40	69	-3.01
10	2.13	30	-1.25	50	-2.34	70	-3.21
11	2.16	31	-2.14	51	-1.86	71	-3.34
12	2.10	32	-1.72	52	-1.85	72	-4.31
13	1.93	33	-1.55	53	-1.84	73	-4.53
14	1.76	34	-1.50	54	-1.90	74	-4.18
15	1.51	35	-1.61	55	-2.11	75	-3.83
16	1.29	36	-1.70	56	-2.96	76	-3.91
17	1.14	37	-1.85	57	-2.80	77	-4.21
18	0.91	38	-1.83	58	-2.32	78	-4.30
19	0.68	39	-2.00	59	-2.06	79	-4.65
20	0.45	40	-2.50	60	-2.05	80	-4.95

1	0.09	6	0.48	11	0.10	16	0.36
2	0.09	7	0.51	12	0.08	17	0.41
3	0.16	8	0.56	13	0.03	18	0.36
4	0.30	9	0.63	14	0.12	19	0.35
5	0.34	10	0.41	15	0.19	20	0.36

7/ 7/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.30	41	-2.70	61	-2.56
2	2.34	22	0.15	42	-2.26	62	-2.70
3	2.22	23	-0.07	43	-1.86	63	-3.00
4	2.17	24	-0.24	44	-1.90	64	-3.24
5	2.14	25	-0.41	45	-1.85	65	-3.20
6	2.13	26	-0.61	46	-1.98	66	-2.80
7	2.18	27	-0.72	47	-2.25	67	-2.74
8	2.18	28	-0.82	48	-3.20	68	-2.74
9	2.23	29	-0.88	49	-3.03	69	-2.75
10	2.22	30	-1.13	50	-2.54	70	-3.02
11	2.25	31	-1.44	51	-2.31	71	-3.77
12	2.21	32	-1.14	52	-2.33	72	-4.39
13	2.09	33	-1.10	53	-2.50	73	-4.55
14	1.89	34	-1.23	54	-2.48	74	-4.30
15	1.66	35	-1.43	55	-2.85	75	-3.89
16	1.33	36	-1.52	56	-3.30	76	-4.00
17	1.08	37	-1.65	57	-3.34	77	-4.25
18	0.87	38	-1.70	58	-3.22	78	-4.43
19	0.65	39	-1.78	59	-2.75	79	-4.51
20	0.49	40	-2.43	60	-2.45	80	-4.80

1	1.49	6	1.50	11	1.52	16	1.16
2	1.44	7	1.44	12	1.48	17	1.06
3	1.45	8	1.11	13	1.22	18	1.07
4	1.48	9	0.93	14	1.09	19	1.02
5	1.45	10	1.01	15	1.11	20	1.03

7/14/1983			
NO.	Z(M)	NO.	Z(M)
1	2.41	21	-0.01
2	2.26	22	-0.05
3	2.14	23	-0.12
4	2.07	24	-0.70
5	2.06	25	-0.27
6	2.05	26	-0.38
7	2.08	27	-0.50
8	2.09	28	-0.61
9	2.14	29	-0.80
10	2.16	30	-1.06
11	2.19	31	-1.46
12	2.16	32	-1.39
13	1.88	33	-1.51
14	1.51	34	-1.70
15	1.14	35	-1.78
16	0.80	36	-1.82
17	0.60	37	-2.05
18	0.42	38	-2.08
19	0.24	39	-2.50
20	0.13	40	-2.76
41	-2.60	61	-2.45
42	-2.60	62	-2.65
43	-2.31	63	-2.65
44	-2.16	64	-2.05
45	-2.30	65	-3.00
46	-2.52	66	-2.70
47	-2.18	67	-2.85
48	-3.24	68	-3.00
49	-2.11	69	-3.27
50	-2.81	70	-3.54
51	-2.56	71	-3.41
52	-2.47	72	-4.22
53	-2.41	73	-4.14
54	-2.78	74	-3.76
55	-1.75	75	-3.76
56	-2.05	76	-4.00
57	-2.87	77	-4.26
58	-2.31	78	-4.60
59	-2.20	79	-4.58
60	-2.24	80	-4.73
1	-0.02	6	-0.11
2	-0.01	7	-0.16
3	-0.02	8	-0.18
4	-0.06	9	-0.22
5	-0.08	10	-0.24
11	0.01	16	0.13
12	0.05	17	0.12
13	0.07	18	0.13
14	0.08	19	0.19
15	0.09	20	0.54

7/21/1983			
NO.	Z(M)	NO.	Z(M)
1	2.34	21	-0.10
2	2.20	22	-0.11
3	2.10	23	-0.31
4	2.07	24	-0.62
5	2.05	25	-0.50
6	2.05	26	-0.50
7	2.12	27	-0.59
8	2.10	28	-0.62
9	2.09	29	-0.73
10	2.15	30	-0.97
11	2.21	31	-1.45
12	2.18	32	-1.11
13	1.89	33	-1.32
14	1.53	34	-1.54
15	1.26	35	-1.70
16	1.25	36	-1.80
17	1.02	37	-1.90
18	0.67	38	-2.10
19	0.44	39	-2.30
20	0.26	40	-2.62
41	-2.85	61	-2.50
42	-2.08	62	-2.66
43	-2.07	63	-2.75
44	-2.16	64	-2.05
45	-2.40	65	-2.87
46	-2.65	66	-2.70
47	-2.95	67	-2.90
48	-3.22	68	-3.13
49	-2.49	69	-3.44
50	-2.36	70	-3.48
51	-2.40	71	-3.72
52	-2.43	72	-3.96
53	-2.51	73	-3.72
54	-2.60	74	-3.70
55	-2.58	75	-3.79
56	-2.88	76	-4.00
57	-2.63	77	-4.20
58	-2.17	78	-4.34
59	-2.28	79	-4.45
60	-2.36	80	-4.47
1	-0.04	6	0.59
2	0.10	7	0.56
3	0.17	8	0.56
4	0.45	9	0.54
5	0.62	10	0.42
11	0.11	16	0.65
12	0.14	17	0.71
13	0.34	18	0.74
14	0.58	19	0.66
15	0.69	20	0.72

7/28/1983			
NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.38
2	2.26	22	0.20
3	2.15	23	0.05
4	2.08	24	-0.15
5	2.07	25	-0.34
6	2.05	26	-0.44
7	2.08	27	-0.60
8	2.08	28	-0.78
9	2.06	29	-0.92
10	2.14	30	-1.00
11	2.16	31	-1.41
12	2.13	32	-1.13
13	1.90	33	-1.26
14	1.52	34	-1.47
15	1.31	35	-1.63
16	1.38	36	-1.80
17	0.43	37	-1.90
18	0.21	38	-2.10
19	0.89	39	-2.20
20	0.64	40	-2.45
41	-2.97	61	-2.49
42	-2.08	62	-2.58
43	-2.11	63	-2.72
44	-2.14	64	-3.05
45	-2.26	65	-3.00
46	-2.64	66	-2.79
47	-2.87	67	-2.96
48	-3.16	68	-3.21
49	-3.29	69	-3.46
50	-2.37	70	-3.56
51	-2.45	71	-3.65
52	-2.40	72	-3.92
53	-2.50	73	-3.64
54	-2.56	74	-3.69
55	-2.54	75	-3.85
56	-2.72	76	-4.04
57	-2.50	77	-4.21
58	-2.21	78	-4.39
59	-2.48	79	-4.46
60	-2.39	80	-4.48
1	0.33	6	0.15
2	0.30	7	0.24
3	0.27	8	0.24
4	0.18	9	0.34
5	0.17	10	0.26
11	0.21	16	0.33
12	0.27	17	0.38
13	0.24	18	0.37
14	0.28	19	0.43
15	0.31	20	0.39

8/4/1983			
NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.11
2	2.24	22	-0.02
3	2.15	23	-0.03
4	2.09	24	-0.10
5	2.06	25	-0.14
6	2.04	26	-0.20
7	2.04	27	-0.26
8	2.04	28	-0.32
9	2.05	29	-0.39
10	2.12	30	-0.55
11	2.13	31	-0.95
12	2.13	32	-0.69
13	1.88	33	-0.85
14	1.52	34	-1.00
15	1.36	35	-1.51
16	1.38	36	-1.70
17	1.46	37	-1.95
18	0.94	38	-2.22
19	0.70	39	-2.39
20	0.42	40	-2.37
41	-2.68	61	-2.65
42	-2.15	62	-2.48
43	-2.32	63	-2.67
44	-2.22	64	-2.93
45	-2.48	65	-2.70
46	-2.50	66	-2.63
47	-2.71	67	-2.68
48	-2.90	68	-2.84
49	-2.23	69	-3.05
50	-2.28	70	-3.12
51	-2.40	71	-3.36
52	-2.39	72	-3.70
53	-2.42	73	-3.55
54	-2.49	74	-3.57
55	-2.55	75	-3.71
56	-2.58	76	-3.90
57	-2.20	77	-4.02
58	-2.33	78	-4.15
59	-2.60	79	-4.24
60	-2.41	80	-4.34
1	0.86	6	0.82
2	0.88	7	0.77
3	0.82	8	0.80
4	0.75	9	0.85
5	0.78	10	0.80
11	0.87	16	0.83
12	0.91	17	0.90
13	0.93	18	0.89
14	0.86	19	0.95
15	0.85	20	0.94

8/11/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.55	41	-2.69	61	-2.60
2	2.24	22	0.44	42	-1.97	62	-2.74
3	2.12	23	0.29	43	-2.11	63	-2.81
4	2.05	24	0.20	44	-2.20	64	-3.08
5	2.05	25	0.09	45	-2.41	65	-2.81
6	2.03	26	-0.11	46	-2.55	66	-3.65
7	2.09	27	-0.28	47	-2.90	67	-3.00
8	2.07	28	-0.40	48	-3.11	68	-3.12
9	2.05	29	-0.50	49	-2.40	69	-3.33
10	2.14	30	-0.52	50	-2.13	70	-3.51
11	2.15	31	-0.86	51	-2.26	71	-3.64
12	2.13	32	-0.91	52	-2.33	72	-3.99
13	1.89	33	-1.07	53	-2.48	73	-3.66
14	1.57	34	-1.18	54	-2.68	74	-3.53
15	1.41	35	-1.21	55	-2.73	75	-3.74
16	1.44	36	-1.27	56	-2.91	76	-3.88
17	1.35	37	-1.50	57	-2.75	77	-4.00
18	1.18	38	-2.09	58	-2.17	78	-4.11
19	1.00	39	-2.27	59	-2.38	79	-4.20
20	0.79	40	-2.30	60	-2.44	80	-4.38

1	1.19	6	1.00	11	1.17	16	1.10
2	1.18	7	1.04	12	1.19	17	1.06
3	1.12	8	1.02	13	1.16	18	0.99
4	1.07	9	0.97	14	1.14	19	0.97
5	1.08	10	0.99	15	1.15	20	1.06

8/18/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.09	41	-3.23	61	-1.77
2	2.24	22	-0.15	42	-2.79	62	-1.97
3	2.15	23	-0.34	43	-2.53	63	-2.22
4	2.09	24	-0.50	44	-2.65	64	-2.73
5	2.07	25	-0.72	45	-2.75	65	-2.74
6	2.05	26	-0.79	46	-2.61	66	-2.36
7	2.07	27	-0.83	47	-2.67	67	-2.54
8	2.10	28	-1.02	48	-3.31	68	-2.71
9	2.11	29	-1.11	49	-3.48	69	-2.90
10	2.15	30	-1.67	50	-3.19	70	-3.17
11	2.20	31	-1.92	51	-2.54	71	-3.56
12	2.13	32	-1.69	52	-2.33	72	-4.10
13	1.66	33	-1.50	53	-1.88	73	-3.96
14	1.27	34	-1.39	54	-1.74	74	-3.70
15	0.98	35	-1.52	55	-1.83	75	-3.74
16	0.60	36	-1.59	56	-2.35	76	-3.90
17	0.58	37	-1.82	57	-2.42	77	-4.15
18	0.39	38	-2.04	58	-1.73	78	-4.38
19	0.25	39	-2.12	59	-1.65	79	-4.51
20	0.11	40	-2.28	60	-1.70	80	-4.79

1	0.55	6	0.63	11	0.70	16	0.60
2	0.49	7	0.68	12	0.69	17	0.65
3	0.52	8	0.63	13	0.62	18	0.71
4	0.50	9	0.66	14	0.59	19	0.70
5	0.60	10	0.69	15	0.59	20	0.83

8/25/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	-0.05	41	-2.91	61	-2.59
2	2.21	22	-0.10	42	-2.40	62	-2.31
3	2.11	23	-0.21	43	-2.35	63	-2.71
4	2.06	24	-0.26	44	-2.36	64	-3.18
5	2.02	25	-0.33	45	-2.79	65	-2.95
6	2.03	26	-0.50	46	-2.96	66	-2.75
7	2.10	27	-0.58	47	-3.11	67	-2.21
8	2.07	28	-0.60	48	-3.25	68	-2.00
9	2.10	29	-0.79	49	-2.91	69	-2.05
10	2.17	30	-0.81	50	-2.68	70	-2.40
11	2.20	31	-1.09	51	-2.54	71	-3.46
12	2.10	32	-0.95	52	-2.79	72	-3.70
13	1.67	33	-1.05	53	-2.61	73	-3.48
14	1.28	34	-1.20	54	-2.71	74	-3.41
15	0.96	35	-1.34	55	-3.10	75	-3.34
16	0.68	36	-1.64	56	-3.38	76	-3.65
17	0.52	37	-2.35	57	-3.10	77	-4.13
18	0.32	38	-2.54	58	-2.87	78	-4.50
19	0.21	39	-2.54	59	-2.98	79	-4.52
20	0.11	40	-2.70	60	-2.76	80	-4.93

1	-0.07	6	-0.16	11	-0.14	16	0.07
2	-0.05	7	-0.17	12	-0.09	17	0.09
3	-0.09	8	-0.16	13	-0.04	18	0.10
4	-0.12	9	-0.11	14	0.00	19	0.10
5	-0.13	10	-0.08	15	0.05	20	0.15

9/ 1/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.27	41	-2.68	61	-2.51
2	2.21	22	0.18	42	-2.22	62	-2.60
3	2.12	23	0.13	43	-2.15	63	-2.71
4	2.08	24	-0.04	44	-2.22	64	-2.89
5	2.02	25	-0.22	45	-2.43	65	-2.33
6	2.05	26	-0.25	46	-2.70	66	-2.08
7	2.09	27	-0.48	47	-3.06	67	-2.03
8	2.07	28	-0.64	48	-3.05	68	-2.15
9	2.13	29	-0.86	49	-2.82	69	-2.36
10	2.16	30	-0.90	50	-2.72	70	-2.71
11	2.19	31	-1.27	51	-2.80	71	-3.10
12	2.06	32	-1.04	52	-2.67	72	-3.41
13	1.68	33	-1.19	53	-2.55	73	-3.22
14	1.32	34	-1.36	54	-2.63	74	-3.19
15	1.11	35	-1.59	55	-2.80	75	-3.45
16	0.95	36	-1.74	56	-3.02	76	-3.69
17	0.84	37	-2.00	57	-3.03	77	-4.00
18	0.70	38	-2.16	58	-2.90	78	-4.31
19	0.50	39	-2.35	59	-2.75	79	-4.32
20	0.40	40	-2.60	60	-2.65	80	-4.40

1	0.19	6	0.10	11	0.22	16	0.25
2	0.17	7	0.10	12	0.24	17	0.27
3	0.15	8	0.11	13	0.27	18	0.28
4	0.12	9	0.14	14	0.23	19	0.31
5	0.10	10	0.14	15	0.25	20	0.32

9/ 8/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.25	41	-2.90	61	-2.51
2	2.23	22	0.15	42	-2.40	62	-2.52
3	2.11	23	0.0	43	-2.30	63	-2.35
4	2.05	24	-0.08	44	-2.51	64	-3.00
5	2.07	25	-0.19	45	-2.38	65	-2.54
6	2.03	26	-0.31	46	-3.05	66	-2.06
7	2.07	27	-0.45	47	-3.14	67	-2.11
8	2.06	28	-0.55	48	-3.13	68	-2.28
9	2.14	29	-0.68	49	-2.85	69	-2.58
10	2.17	30	-0.75	50	-2.80	70	-3.10
11	2.20	31	-1.06	51	-2.57	71	-3.32
12	2.11	32	-1.02	52	-2.53	72	-2.64
13	1.72	33	-1.25	53	-2.45	73	-3.25
14	1.33	34	-1.48	54	-2.54	74	-3.00
15	1.13	35	-2.23	55	-2.85	75	-3.21
16	0.87	36	-2.40	56	-3.34	76	-3.60
17	0.76	37	-2.60	57	-3.06	77	-3.95
18	0.59	38	-2.69	58	-2.97	78	-3.25
19	0.45	39	-2.63	59	-2.36	79	-3.30
20	0.35	40	-2.72	60	-2.38	80	-4.43

1	0.17	6	0.01	11	0.18	16	0.22
2	0.13	7	0.02	12	0.18	17	0.22
3	0.09	8	0.08	13	0.18	18	0.23
4	0.06	9	0.10	14	0.19	19	0.24
5	0.01	10	0.12	15	0.20	20	0.29

9/15/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.37	41	-2.82	61	-2.59
2	2.22	22	0.30	42	-2.33	62	-2.67
3	2.11	23	0.14	43	-2.34	63	-2.85
4	2.06	24	0.0	44	-2.37	64	-3.11
5	2.03	25	-0.18	45	-2.46	65	-2.70
6	2.02	26	-0.30	46	-2.54	66	-2.75
7	2.09	27	-0.35	47	-2.55	67	-2.84
8	2.08	28	-0.56	48	-2.60	68	-3.05
9	2.14	29	-1.00	49	-1.70	69	-3.34
10	2.16	30	-1.11	50	-1.65	70	-3.49
11	2.20	31	-1.50	51	-1.73	71	-3.69
12	2.00	32	-1.25	52	-1.80	72	-3.95
13	1.61	33	-1.46	53	-1.95	73	-3.83
14	1.34	34	-1.73	54	-2.01	74	-3.72
15	1.19	35	-1.86	55	-2.12	75	-3.77
16	1.00	36	-1.95	56	-2.39	76	-3.86
17	0.87	37	-2.13	57	-2.06	77	-4.13
18	0.69	38	-2.21	58	-2.00	78	-4.38
19	0.50	39	-2.43	59	-2.36	79	-4.40
20	0.48	40	-2.66	60	-2.40	80	-4.58

1	0.26	6	0.23	11	0.30	16	0.41
2	0.25	7	0.26	12	0.28	17	0.42
3	0.27	8	0.29	13	0.35	18	0.44
4	0.29	9	0.33	14	0.39	19	0.47
5	0.28	10	0.35	15	0.39	20	0.41

9/22/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.39	21	0.35	41	-2.52	61	-3.21
2	2.28	22	0.0	42	-1.88	62	-3.30
3	2.20	23	-0.20	43	-1.96	63	-3.67
4	2.18	24	-0.41	44	-2.12	64	-3.91
5	2.17	25	-1.21	45	-3.01	65	-3.58
6	2.17	26	-1.15	46	-3.10	66	-3.08
7	2.22	27	-1.33	47	-3.21	67	-3.00
8	2.25	28	-1.15	48	-3.24	68	-3.14
9	2.27	29	-1.20	49	-2.82	69	-3.59
10	2.28	30	-1.30	50	-2.55	70	-4.00
11	2.27	31	-1.65	51	-2.90	71	-4.06
12	1.98	32	-1.39	52	-2.89	72	-4.32
13	1.67	33	-1.06	53	-3.00	73	-3.91
14	1.42	34	-1.03	54	-3.25	74	-3.34
15	1.21	35	-1.00	55	-3.71	75	-3.55
16	1.05	36	-1.08	56	-3.65	76	-3.71
17	0.92	37	-1.08	57	-3.60	77	-3.92
18	0.82	38	-1.09	58	-3.04	78	-4.05
19	0.75	39	-1.28	59	-3.30	79	-4.05
20	0.69	40	-1.68	60	-3.25	80	-4.41

1	0.24	6	0.22	11	0.20	16	0.06
2	0.17	7	0.20	12	0.17	17	0.14
3	0.21	8	0.17	13	0.16	18	0.23
4	0.23	9	0.13	14	0.16	19	0.22
5	0.23	10	0.12	15	0.15	20	0.15

9/29/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.40	21	-0.87	41	-2.46	61	-3.30
2	2.28	22	-0.90	42	-2.13	62	-3.52
3	2.18	23	-1.31	43	-1.76	63	-3.76
4	2.18	24	-1.37	44	-1.90	64	-4.10
5	2.22	25	-1.35	45	-2.15	65	-4.30
6	2.24	26	-1.70	46	-2.86	66	-3.83
7	2.28	27	-1.56	47	-3.19	67	-2.21
8	2.30	28	-1.06	48	-3.22	68	-2.05
9	2.35	29	-1.14	49	-3.20	69	-2.86
10	2.36	30	-1.23	50	-2.77	70	-3.04
11	2.27	31	-1.80	51	-2.64	71	-3.91
12	1.87	32	-1.12	52	-2.73	72	-4.30
13	1.54	33	-0.91	53	-2.80	73	-4.05
14	1.24	34	-0.90	54	-3.22	74	-3.46
15	0.97	35	-0.90	55	-3.53	75	-2.82
16	0.74	36	-0.90	56	-3.76	76	-2.70
17	0.60	37	-1.03	57	-3.92	77	-3.00
18	0.44	38	-1.40	58	-3.75	78	-3.35
19	0.17	39	-1.79	59	-3.32	79	-3.60
20	-0.11	40	-2.26	60	-3.18	80	-4.05

1	0.80	6	0.89	11	0.80	16	0.69
2	0.83	7	0.93	12	0.81	17	0.73
3	0.86	8	0.91	13	0.76	18	0.74
4	0.86	9	0.91	14	0.69	19	0.79
5	0.94	10	0.93	15	0.65	20	0.71

10/ 6/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.47	21	0.15	41	-1.82	61	-3.48
2	2.33	22	0.08	42	-1.33	62	-3.52
3	2.22	23	-0.15	43	-1.49	63	-3.56
4	2.18	24	-0.30	44	-1.68	64	-3.66
5	2.22	25	-0.68	45	-2.07	65	-3.20
6	2.23	26	-0.93	46	-2.54	66	-2.85
7	2.29	27	-0.83	47	-3.02	67	-2.93
8	2.30	28	-0.90	48	-3.13	68	-2.94
9	2.36	29	-1.05	49	-3.02	69	-3.00
10	2.39	30	-1.04	50	-2.85	70	-3.07
11	2.23	31	-1.22	51	-2.82	71	-3.25
12	1.87	32	-1.01	52	-2.90	72	-3.51
13	1.58	33	-0.89	53	-3.35	73	-2.81
14	1.33	34	-0.74	54	-3.49	74	-2.66
15	1.14	35	-0.72	55	-3.54	75	-2.84
16	1.01	36	-0.76	56	-3.78	76	-2.69
17	0.89	37	-0.83	57	-3.23	77	-2.90
18	0.70	38	-0.95	58	-3.36	78	-2.92
19	0.49	39	-1.01	59	-3.19	79	-3.16
20	0.38	40	-1.78	60	-3.30	80	-3.35

1	0.24	6	0.33	11	0.16	16	0.04
2	0.33	7	0.30	12	0.21	17	0.07
3	0.26	8	0.32	13	0.18	18	0.15
4	0.15	9	0.39	14	0.22	19	0.21
5	0.11	10	0.44	15	0.20	20	0.14

10/13/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.36	21	0.25	41	-1.78	61	-3.24
2	2.23	22	0.08	42	-1.26	62	-3.31
3	2.17	23	-0.11	43	-1.45	63	-3.34
4	2.19	24	-0.74	44	-1.72	64	-3.55
5	2.21	25	-0.48	45	-1.88	65	-3.12
6	2.24	26	-0.40	46	-2.47	66	-3.03
7	2.27	27	-0.48	47	-2.86	67	-2.91
8	2.31	28	-0.27	48	-3.04	68	-2.90
9	2.37	29	-0.54	49	-2.52	69	-2.91
10	2.36	30	-0.71	50	-2.86	70	-3.04
11	2.17	31	-0.86	51	-2.65	71	-3.10
12	1.85	32	-0.49	52	-3.09	72	-3.33
13	1.58	33	-0.58	53	-3.21	73	-2.71
14	1.37	34	-0.59	54	-3.23	74	-2.62
15	1.18	35	-0.62	55	-3.33	75	-2.54
16	1.07	36	-0.70	56	-3.72	76	-2.62
17	1.00	37	-0.79	57	-3.22	77	-2.73
18	0.82	38	-0.87	58	-3.31	78	-2.98
19	0.60	39	-1.12	59	-3.26	79	-3.12
20	0.42	40	-1.35	60	-3.25	80	-3.40

1	0.05	6	-0.13	11	-0.09	16	0.19
2	-0.03	7	-0.26	12	-0.01	17	0.24
3	-0.05	8	-0.02	13	0.16	18	0.30
4	-0.03	9	-0.36	14	0.22	19	0.27
5	-0.03	10	-0.41	15	0.21	20	0.21

10/20/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.42	21	0.28	41	-1.90	61	-3.13
2	2.29	22	0.12	42	-1.55	62	-3.36
3	2.21	23	-0.05	43	-1.48	63	-3.60
4	2.21	24	-0.40	44	-1.46	64	-3.72
5	2.23	25	-0.90	45	-1.49	65	-3.40
6	2.24	26	-0.83	46	-1.52	66	-2.71
7	2.30	27	-0.75	47	-1.90	67	-2.62
8	2.30	28	-0.71	48	-2.50	68	-2.71
9	2.37	29	-0.52	49	-2.35	69	-2.79
10	2.36	30	-0.55	50	-2.15	70	-2.90
11	2.14	31	-1.00	51	-2.20	71	-2.85
12	1.82	32	-0.88	52	-2.38	72	-2.15
13	1.56	33	-1.03	53	-3.14	73	-2.92
14	1.41	34	-1.03	54	-3.26	74	-2.40
15	1.25	35	-1.04	55	-3.46	75	-2.40
16	1.10	36	-0.97	56	-3.75	76	-2.53
17	0.95	37	-0.92	57	-3.45	77	-2.64
18	0.72	38	-0.98	58	-3.20	78	-2.91
19	0.56	39	-1.23	59	-3.02	79	-3.04
20	0.42	40	-1.46	60	-3.00	80	-3.31

1	0.25	6	0.28	11	0.19	16	0.29
2	0.34	7	0.26	12	0.19	17	0.30
3	0.41	8	0.39	13	0.20	18	0.30
4	0.27	9	0.46	14	0.22	19	0.28
5	0.25	10	0.48	15	0.24	20	0.30

10/27/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.41	21	0.18	41	-1.80	61	-3.03
2	2.28	22	0.05	42	-1.18	62	-3.21
3	2.19	23	-0.03	43	-1.12	63	-3.28
4	2.18	24	-0.10	44	-1.23	64	-3.30
5	2.23	25	-0.16	45	-1.50	65	-2.70
6	2.21	26	-0.20	46	-2.26	66	-2.07
7	2.28	27	-0.43	47	-2.44	67	-2.00
8	2.30	28	-0.80	48	-2.70	68	-2.27
9	2.35	29	-0.79	49	-2.00	69	-2.13
10	2.37	30	-0.91	50	-2.08	70	-2.50
11	2.26	31	-1.51	51	-2.15	71	-2.83
12	1.89	32	-0.95	52	-2.40	72	-2.92
13	1.58	33	-0.80	53	-2.81	73	-2.37
14	1.37	34	-0.80	54	-3.40	74	-2.25
15	1.17	35	-0.84	55	-3.51	75	-2.51
16	0.95	36	-0.84	56	-3.57	76	-2.61
17	0.79	37	-0.91	57	-3.10	77	-2.80
18	0.60	38	-0.82	58	-2.80	78	-3.16
19	0.40	39	-0.83	59	-2.81	79	-3.20
20	0.28	40	-1.18	60	-2.90	80	-3.40

1	0.09	6	0.03	11	0.08	16	0.06
2	0.08	7	0.08	12	0.08	17	0.05
3	0.05	8	0.14	13	0.05	18	0.05
4	-0.02	9	0.10	14	0.13	19	0.04
5	-0.02	10	0.11	15	0.11	20	-0.04

11/ 3/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.38	21	0.20	41	-1.42	61	-2.55
2	2.27	22	0.13	42	-1.04	62	-2.25
3	2.18	23	-0.02	43	-1.20	63	-2.36
4	2.19	24	-0.04	44	-1.52	64	-3.15
5	2.20	25	-0.16	45	-1.95	65	-2.65
6	2.19	26	-0.22	46	-2.39	66	-1.98
7	2.25	27	-0.32	47	-2.58	67	-1.93
8	2.26	28	-0.33	48	-2.90	68	-2.04
9	2.32	29	-0.35	49	-2.21	69	-2.17
10	2.36	30	-0.36	50	-2.23	70	-2.71
11	2.22	31	-0.97	51	-2.28	71	-3.40
12	1.85	32	-0.50	52	-2.58	72	-3.70
13	1.56	33	-0.45	53	-2.79	73	-3.20
14	1.37	34	-0.47	54	-3.00	74	-2.69
15	1.18	35	-0.49	55	-3.58	75	-2.67
16	1.00	36	-0.53	56	-3.79	76	-2.77
17	0.90	37	-0.65	57	-3.66	77	-3.04
18	0.69	38	-0.68	58	-2.73	78	-3.55
19	0.53	39	-0.75	59	-2.85	79	-3.73
20	0.39	40	-0.99	60	-2.83	80	-4.11
1	0.18	6	0.03	11	0.32	16	0.11
2	0.14	7	-0.02	12	0.24	17	0.04
3	0.09	8	-0.05	13	0.16	18	0.05
4	0.07	9	-0.08	14	0.05	19	0.07
5	0.06	10	-0.04	15	0.25	20	0.06

11/10/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.39	41	-2.32	61	-3.38
2	2.45	22	0.27	42	-2.01	62	-3.60
3	2.32	23	0.18	43	-2.16	63	-3.85
4	2.19	24	0.04	44	-2.24	64	-4.13
5	1.95	25	-0.17	45	-2.27	65	-3.37
6	1.90	26	-0.22	46	-2.43	66	-3.36
7	1.77	27	-0.34	47	-2.76	67	-3.85
8	1.64	28	-0.55	48	-3.12	68	-3.67
9	1.50	29	-0.71	49	-2.95	69	-3.69
10	1.39	30	-0.87	50	-2.67	70	-3.65
11	1.26	31	-0.93	51	-2.89	71	-3.89
12	1.12	32	-1.17	52	-3.07	72	-4.31
13	0.99	33	-1.38	53	-3.43	73	-4.40
14	0.87	34	-1.24	54	-3.68	74	-4.40
15	0.73	35	-1.42	55	-3.74	75	-4.10
16	0.68	36	-1.57	56	-3.74	76	-3.85
17	0.61	37	-1.63	57	-3.82	77	-4.03
18	0.57	38	-1.94	58	-3.81	78	-4.03
19	0.52	39	-2.00	59	-3.88	79	-4.05
20	0.44	40	-2.17	60	-3.43	80	-4.33
1	0.38	6	0.50	11	0.42	16	0.34
2	0.40	7	0.47	12	0.40	17	0.37
3	0.39	8	0.49	13	0.38	18	0.37
4	0.50	9	0.54	14	0.43	19	0.48
5	0.54	10	0.69	15	0.39	20	0.56

11/17/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.49	41	-2.32	61	-3.00
2	2.44	22	0.05	42	-1.53	62	-3.47
3	2.31	23	-0.07	43	-1.72	63	-3.64
4	2.18	24	-0.65	44	-1.87	64	-3.64
5	2.05	25	-0.93	45	-2.15	65	-3.00
6	1.94	26	-0.90	46	-2.76	66	-2.61
7	1.80	27	-1.00	47	-2.92	67	-2.70
8	1.66	28	-1.20	48	-3.11	68	-2.90
9	1.57	29	-1.66	49	-3.04	69	-3.05
10	1.48	30	-1.75	50	-2.60	70	-3.18
11	1.44	31	-2.05	51	-2.35	71	-3.27
12	1.41	32	-1.53	52	-2.60	72	-3.55
13	1.39	33	-1.52	53	-2.66	73	-2.88
14	1.40	34	-1.45	54	-3.00	74	-2.75
15	1.42	35	-1.45	55	-3.72	75	-2.90
16	1.52	36	-1.43	56	-3.75	76	-3.10
17	1.55	37	-1.35	57	-3.43	77	-3.35
18	1.48	38	-1.46	58	-2.96	78	-3.53
19	1.08	39	-1.75	59	-2.75	79	-3.65
20	0.90	40	-2.12	60	-2.97	80	-3.95
1	0.52	6	0.65	11	0.52	16	0.38
2	0.67	7	0.64	12	0.49	17	0.38
3	0.62	8	0.65	13	0.49	18	0.39
4	0.65	9	0.69	14	0.39	19	0.38
5	0.65	10	0.64	15	0.36	20	0.37

11/24/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.09	41	-2.70	61	-2.82
2	2.48	22	-0.17	42	-2.22	62	-3.01
3	2.34	23	-0.30	43	-2.06	63	-3.16
4	2.21	24	-1.14	44	-2.14	64	-3.50
5	2.06	25	-1.50	45	-2.47	65	-3.14
6	1.96	26	-1.41	46	-2.55	66	-2.65
7	1.81	27	-1.64	47	-3.06	67	-2.70
8	1.67	28	-1.63	48	-3.15	68	-2.83
9	1.57	29	-1.64	49	-3.21	69	-2.91
10	1.50	30	-1.80	50	-2.81	70	-3.05
11	1.48	31	-2.15	51	-2.83	71	-3.08
12	1.49	32	-1.60	52	-2.97	72	-3.55
13	1.59	33	-1.34	53	-3.12	73	-3.35
14	1.68	34	-1.48	54	-3.26	74	-3.00
15	1.67	35	-1.43	55	-3.30	75	-3.10
16	1.27	36	-1.46	56	-3.71	76	-3.11
17	1.12	37	-1.54	57	-3.39	77	-3.29
18	0.92	38	-1.55	58	-3.00	78	-3.48
19	0.75	39	-1.73	59	-2.75	79	-3.48
20	0.48	40	-2.21	60	-2.81	80	-3.97
1	1.17	6	1.39	11	1.27	16	1.26
2	1.40	7	1.43	12	1.10	17	1.14
3	1.18	8	1.25	13	1.28	18	1.03
4	1.23	9	1.19	14	1.12	19	1.19
5	1.30	10	1.19	15	1.17	20	1.27

12/ 1/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.30	41	-2.85	61	-2.40
2	2.48	22	0.0	42	-2.32	62	-2.50
3	2.35	23	-0.54	43	-2.30	63	-2.82
4	2.19	24	-0.60	44	-2.31	64	-3.08
5	2.05	25	-0.65	45	-2.68	65	-2.50
6	1.95	26	-0.73	46	-2.80	66	-2.45
7	1.82	27	-1.05	47	-3.00	67	-2.58
8	1.70	28	-1.20	48	-3.04	68	-2.70
9	1.64	29	-1.62	49	-2.25	69	-3.07
10	1.62	30	-1.95	50	-2.15	70	-3.15
11	1.62	31	-2.14	51	-2.12	71	-3.35
12	1.70	32	-2.00	52	-2.07	72	-3.57
13	1.79	33	-1.75	53	-2.22	73	-3.05
14	1.80	34	-1.65	54	-2.20	74	-2.96
15	1.64	35	-1.86	55	-2.40	75	-3.84
16	1.26	36	-2.14	56	-2.55	76	-3.84
17	1.00	37	-2.40	57	-2.18	77	-3.50
18	0.75	38	-2.45	58	-2.00	78	-3.85
19	0.55	39	-2.60	59	-2.10	79	-3.81
20	0.42	40	-2.71	60	-2.30	80	-4.00

1	1.10	6	1.19	11	1.23	16	1.29
2	1.21	7	1.26	12	1.11	17	0.99
3	1.27	8	1.17	13	1.13	18	0.95
4	1.08	9	1.35	14	1.28	19	1.02
5	1.17	10	1.19	15	1.18	20	1.14

12/ 8/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	0.02	41	-2.81	61	-2.42
2	2.48	22	-0.15	42	-2.47	62	-2.56
3	2.35	23	-0.60	43	-2.45	63	-2.68
4	2.21	24	-0.56	44	-2.49	64	-2.81
5	2.06	25	-0.75	45	-2.54	65	-2.50
6	1.96	26	-1.00	46	-2.59	66	-2.57
7	1.84	27	-1.05	47	-2.50	67	-2.67
8	1.71	28	-1.08	48	-2.60	68	-2.79
9	1.62	29	-1.11	49	-1.97	69	-2.93
10	1.53	30	-1.35	50	-1.99	70	-3.09
11	1.57	31	-1.70	51	-1.95	71	-3.23
12	1.70	32	-1.45	52	-2.00	72	-3.31
13	1.76	33	-1.65	53	-2.03	73	-3.08
14	1.76	34	-1.79	54	-2.10	74	-3.08
15	1.65	35	-1.90	55	-2.20	75	-3.18
16	1.26	36	-1.95	56	-2.38	76	-3.27
17	0.99	37	-2.02	57	-2.05	77	-3.40
18	0.71	38	-2.09	58	-2.15	78	-3.56
19	0.44	39	-2.25	59	-2.24	79	-3.71
20	0.25	40	-2.50	60	-2.32	80	-3.82

1	-0.13	6	0.01	11	-0.10	16	0.11
2	-0.11	7	-0.03	12	-0.17	17	0.17
3	-0.11	8	-0.04	13	-0.06	18	0.21
4	-0.08	9	-0.05	14	-0.02	19	0.27
5	0.03	10	-0.05	15	0.01	20	0.23

12/15/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.03	41	-2.60	61	-2.55
2	2.41	22	-0.20	42	-2.25	62	-2.64
3	2.29	23	-0.50	43	-2.35	63	-2.77
4	2.16	24	-0.68	44	-2.27	64	-2.83
5	2.03	25	-0.84	45	-2.29	65	-2.67
6	1.91	26	-0.90	46	-2.29	66	-2.53
7	1.81	27	-0.70	47	-2.32	67	-2.77
8	1.69	28	-0.90	48	-2.50	68	-2.85
9	1.63	29	-0.86	49	-1.79	69	-3.11
10	1.55	30	-1.40	50	-1.95	70	-3.22
11	1.63	31	-1.70	51	-1.97	71	-3.23
12	1.73	32	-1.30	52	-2.00	72	-3.46
13	1.80	33	-1.50	53	-2.15	73	-3.11
14	1.82	34	-1.72	54	-2.15	74	-3.05
15	1.61	35	-1.92	55	-2.33	75	-3.20
16	1.17	36	-2.01	56	-2.61	76	-3.40
17	0.84	37	-2.07	57	-2.28	77	-3.56
18	0.65	38	-2.25	58	-2.10	78	-3.73
19	0.50	39	-2.33	59	-2.27	79	-3.70
20	0.36	40	-2.56	60	-2.40	80	-3.74

1	0.08	6	-0.07	11	0.08	16	0.08
2	-0.01	7	0.01	12	-0.01	17	0.03
3	0.02	8	-0.11	13	0.05	18	-0.03
4	-0.06	9	-0.07	14	0.04	19	-0.05
5	-0.04	10	-0.08	15	-0.01	20	-0.09

12/22/1983							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.10	41	-2.50	61	-2.81
2	2.42	22	-0.50	42	-1.93	62	-2.95
3	2.30	23	-0.95	43	-1.95	63	-2.98
4	2.16	24	-0.84	44	-1.98	64	-3.11
5	2.00	25	-0.73	45	-2.04	65	-2.60
6	1.91	26	-0.70	46	-2.20	66	-2.70
7	1.82	27	-0.68	47	-2.30	67	-2.87
8	1.66	28	-0.84	48	-2.60	68	-3.00
9	1.64	29	-1.00	49	-1.83	69	-3.09
10	1.60	30	-1.00	50	-2.02	70	-3.35
11	1.67	31	-1.20	51	-2.04	71	-3.40
12	1.71	32	-0.83	52	-2.18	72	-3.61
13	1.81	33	-1.05	53	-2.31	73	-3.20
14	1.82	34	-1.14	54	-2.46	74	-3.20
15	1.66	35	-1.20	55	-2.61	75	-3.27
16	1.41	36	-1.29	56	-2.80	76	-3.52
17	1.15	37	-1.48	57	-2.22	77	-3.55
18	0.87	38	-1.65	58	-2.28	78	-3.73
19	0.56	39	-1.90	59	-2.47	79	-3.70
20	0.32	40	-2.18	60	-2.61	80	-3.92

1	0.15	6	0.14	11	-0.02	16	0.04
2	0.21	7	0.19	12	0.01	17	0.06
3	0.19	8	0.19	13	-0.03	18	0.15
4	0.11	9	0.23	14	0.08	19	0.02
5	0.05	10	0.18	15	0.06	20	0.06

12/29/1983					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.53	21	-0.84	41	-2.53
2	2.42	22	-0.95	42	-2.26
3	2.33	23	-1.21	43	-1.82
4	2.25	24	-1.36	44	-2.07
5	2.12	25	-1.42	45	-2.23
6	1.99	26	-1.47	46	-2.85
7	1.84	27	-1.50	47	-3.03
8	1.71	28	-1.56	48	-3.18
9	1.65	29	-1.76	49	-2.96
10	1.60	30	-1.78	50	-2.82
11	1.58	31	-1.92	51	-2.47
12	1.40	32	-1.24	52	-2.51
13	1.28	33	-0.75	53	-2.74
14	1.15	34	-0.70	54	-3.00
15	0.95	35	-0.87	55	-3.36
16	0.82	36	-0.94	56	-3.58
17	0.53	37	-1.17	57	-3.24
18	0.48	38	-1.53	58	-3.56
19	0.14	39	-1.64	59	-2.73
20	-0.21	40	-2.24	60	-2.55

1	0.74	6	0.82	11	0.79
2	0.78	7	0.83	12	0.67
3	0.78	8	0.76	13	0.69
4	0.75	9	0.71	14	0.71
5	0.71	10	0.74	15	0.74

1/ 5/1984					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.63	21	-0.05	41	-3.10
2	2.47	22	-0.25	42	-3.01
3	2.36	23	-0.48	43	-2.31
4	2.21	24	-1.20	44	-2.21
5	2.11	25	-1.72	45	-2.24
6	2.03	26	-1.93	46	-2.35
7	1.94	27	-2.10	47	-2.37
8	1.88	28	-2.28	48	-3.32
9	1.84	29	-2.32	49	-2.90
10	1.83	30	-2.19	50	-2.86
11	1.80	31	-2.67	51	-2.64
12	1.74	32	-2.51	52	-2.53
13	1.63	33	-2.70	53	-2.40
14	1.49	34	-2.75	54	-2.51
15	1.32	35	-2.80	55	-2.66
16	1.14	36	-2.40	56	-3.57
17	0.96	37	-2.53	57	-3.67
18	0.74	38	-2.43	58	-3.05
19	0.56	39	-2.26	59	-2.65
20	0.30	40	-2.60	60	-2.80

1	1.03	6	0.89	11	1.20
2	0.91	7	1.31	12	1.09
3	0.95	8	1.26	13	0.97
4	1.17	9	1.13	14	1.01
5	1.18	10	0.98	15	1.03

1/12/1984					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.05	41	-3.02
2	2.48	22	-0.21	42	-3.13
3	2.33	23	-0.42	43	-2.96
4	2.19	24	-1.30	44	-2.96
5	2.09	25	-1.58	45	-2.96
6	2.03	26	-1.70	46	-2.78
7	1.97	27	-1.68	47	-3.10
8	1.94	28	-1.75	48	-3.33
9	1.93	29	-1.90	49	-3.01
10	1.94	30	-2.14	50	-2.66
11	1.93	31	-2.38	51	-2.55
12	1.79	32	-2.36	52	-2.47
13	1.56	33	-2.01	53	-2.43
14	1.32	34	-2.02	54	-2.62
15	1.09	35	-1.91	55	-2.86
16	0.81	36	-1.90	56	-3.00
17	0.66	37	-2.10	57	-2.47
18	0.50	38	-2.25	58	-2.15
19	0.36	39	-2.61	59	-2.10
20	0.24	40	-2.70	60	-2.14

1	-0.00	6	0.04	11	-0.07
2	-0.00	7	0.15	12	-0.13
3	-0.04	8	0.23	13	-0.14
4	0.04	9	0.14	14	-0.06
5	0.08	10	0.19	15	-0.05

1/19/1984					
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.40	41	-3.12
2	2.46	22	-0.70	42	-3.39
3	2.34	23	-1.01	43	-3.30
4	2.20	24	-1.24	44	-3.39
5	2.10	25	-1.53	45	-3.23
6	2.02	26	-1.22	46	-3.31
7	1.95	27	-1.23	47	-3.42
8	1.92	28	-1.48	48	-3.13
9	1.91	29	-1.77	49	-2.65
10	1.91	30	-2.38	50	-2.65
11	1.90	31	-2.52	51	-2.71
12	1.91	32	-2.81	52	-2.60
13	1.75	33	-2.44	53	-2.52
14	1.53	34	-2.31	54	-2.55
15	1.25	35	-2.31	55	-2.62
16	1.05	36	-2.50	56	-2.98
17	0.67	37	-2.78	57	-2.98
18	0.49	38	-2.93	58	-2.41
19	0.25	39	-2.98	59	-2.15
20	0.03	40	-3.10	60	-2.35

1	0.96	6	1.10	11	0.83
2	1.22	7	0.98	12	1.00
3	1.11	8	0.83	13	0.94
4	1.19	9	0.90	14	0.96
5	1.30	10	0.80	15	1.02

1/26/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.66	21	0.16	41	-1.55	61	-3.30
2	2.55	22	0.0	42	-1.86	62	-3.42
3	2.37	23	-0.30	43	-1.77	63	-3.84
4	2.25	24	-0.60	44	-1.69	64	-4.16
5	2.07	25	-0.64	45	-1.96	65	-4.30
6	1.90	26	-1.00	46	-2.05	66	-3.63
7	1.74	27	-1.20	47	-2.46	67	-3.65
8	1.58	28	-1.72	48	-3.12	68	-3.79
9	1.44	29	-1.90	49	-3.10	69	-4.31
10	1.30	30	-1.99	50	-2.27	70	-4.35
11	1.19	31	-2.38	51	-2.28	71	-4.38
12	1.08	32	-2.39	52	-2.30	72	-4.34
13	0.98	33	-2.44	53	-2.35	73	-4.46
14	0.88	34	-2.40	54	-2.92	74	-4.05
15	0.78	35	-2.18	55	-3.41	75	-4.02
16	0.65	36	-1.48	56	-3.68	76	-4.15
17	0.59	37	-1.51	57	-3.54	77	-4.76
18	0.50	38	-1.55	58	-3.03	78	-4.90
19	0.43	39	-1.60	59	-2.84	79	-4.79
20	0.29	40	-1.63	60	-2.91	80	-5.00

1	0.75	6	0.76	11	0.69	16	0.69
2	0.83	7	0.70	12	0.70	17	0.66
3	0.95	8	0.75	13	0.73	18	0.69
4	0.90	9	0.82	14	0.73	19	0.67
5	0.77	10	0.90	15	0.69	20	0.59

2/ 2/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	-0.20	41	-2.10	61	-3.92
2	2.49	22	-0.10	42	-1.60	62	-4.05
3	2.33	23	-0.26	43	-1.50	63	-4.00
4	2.17	24	-0.20	44	-1.60	64	-4.17
5	2.02	25	-0.28	45	-1.75	65	-4.43
6	1.90	26	-0.38	46	-2.18	66	-4.51
7	1.82	27	-0.60	47	-2.55	67	-4.40
8	1.77	28	-0.92	48	-2.73	68	-4.41
9	1.57	29	-1.22	49	-2.84	69	-4.43
10	1.46	30	-1.36	50	-2.23	70	-4.28
11	1.30	31	-1.80	51	-2.45	71	-4.22
12	1.12	32	-1.51	52	-2.58	72	-4.34
13	0.96	33	-1.15	53	-3.01	73	-4.70
14	0.83	34	-1.20	54	-3.24	74	-4.17
15	0.69	35	-1.10	55	-3.58	75	-4.09
16	0.50	36	-1.10	56	-3.60	76	-4.09
17	0.45	37	-1.20	57	-3.90	77	-4.64
18	0.36	38	-1.20	58	-3.45	78	-4.75
19	0.24	39	-1.38	59	-3.21	79	-4.90
20	0.11	40	-1.72	60	-3.40	80	-4.80

1	0.56	6	0.81	11	0.49	16	0.64
2	0.57	7	0.69	12	0.54	17	0.69
3	0.57	8	0.59	13	0.57	18	0.76
4	0.57	9	0.72	14	0.62	19	0.84
5	0.77	10	0.92	15	0.63	20	0.84

2/ 9/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	0.30	41	-1.56	61	-3.81
2	2.53	22	0.20	42	-1.18	62	-3.86
3	2.38	23	0.03	43	-1.24	63	-3.98
4	2.19	24	-0.10	44	-1.36	64	-4.18
5	2.04	25	-0.23	45	-1.71	65	-3.96
6	1.93	26	-0.36	46	-1.85	66	-4.02
7	1.85	27	-0.58	47	-2.37	67	-4.15
8	1.69	28	-0.57	48	-2.67	68	-4.11
9	1.52	29	-0.60	49	-2.08	69	-4.30
10	1.35	30	-0.78	50	-2.03	70	-4.17
11	1.19	31	-1.29	51	-2.52	71	-4.02
12	1.05	32	-0.67	52	-2.88	72	-4.41
13	0.95	33	-0.65	53	-3.19	73	-4.03
14	0.89	34	-0.70	54	-3.35	74	-4.11
15	0.84	35	-0.81	55	-3.48	75	-4.23
16	0.78	36	-0.83	56	-3.80	76	-4.45
17	0.77	37	-0.90	57	-3.41	77	-4.60
18	0.68	38	-0.91	58	-3.41	78	-4.48
19	0.60	39	-1.00	59	-3.58	79	-4.52
20	0.49	40	-1.09	60	-3.72	80	-4.63

1	0.77	6	1.64	11	0.77	16	1.28
2	0.93	7	1.31	12	0.79	17	1.35
3	1.09	8	1.25	13	0.89	18	1.36
4	1.19	9	1.45	14	1.00	19	1.48
5	1.17	10	1.39	15	1.14	20	1.23

2/16/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.15	41	-1.70	61	-3.93
2	2.53	22	-0.09	42	-1.35	62	-3.95
3	2.39	23	-0.88	43	-1.35	63	-4.02
4	2.21	24	-0.78	44	-1.58	64	-4.18
5	2.05	25	-0.96	45	-1.68	65	-4.19
6	1.97	26	-1.15	46	-2.00	66	-4.00
7	1.86	27	-1.19	47	-2.16	67	-4.18
8	1.74	28	-1.32	48	-2.42	68	-4.25
9	1.60	29	-1.40	49	-2.10	69	-4.31
10	1.46	30	-1.53	50	-1.85	70	-4.22
11	1.33	31	-1.66	51	-2.01	71	-4.22
12	1.24	32	-1.61	52	-2.18	72	-4.37
13	1.18	33	-1.23	53	-2.44	73	-4.00
14	1.11	34	-0.90	54	-2.83	74	-3.78
15	1.11	35	-0.90	55	-3.28	75	-3.75
16	1.02	36	-0.93	56	-3.52	76	-3.82
17	0.96	37	-0.99	57	-3.62	77	-3.83
18	0.79	38	-1.20	58	-3.45	78	-3.78
19	0.64	39	-1.33	59	-3.89	79	-4.18
20	0.40	40	-1.52	60	-3.90	80	-4.23

1	0.97	6	0.76	11	1.13	16	0.78
2	0.94	7	0.74	12	1.17	17	0.81
3	0.89	8	0.81	13	0.95	18	0.82
4	0.85	9	0.84	14	0.98	19	0.82
5	0.81	10	0.93	15	0.74	20	0.82

2/23/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.02	41	-1.67	61	-4.04
2	2.52	22	-0.02	42	-1.43	62	-4.12
3	2.36	23	-0.14	43	-1.40	63	-4.13
4	2.22	24	-0.23	44	-1.55	64	-4.13
5	2.05	25	-0.35	45	-1.77	65	-4.47
6	1.96	26	-0.45	46	-2.53	66	-4.50
7	1.88	27	-0.49	47	-2.64	67	-4.45
8	1.75	28	-0.60	48	-2.62	68	-4.45
9	1.68	29	-0.70	49	-2.45	69	-4.40
10	1.61	30	-1.07	50	-2.50	70	-4.30
11	1.50	31	-1.45	51	-2.47	71	-4.30
12	1.38	32	-1.22	52	-2.50	72	-4.38
13	1.19	33	-0.79	53	-3.14	73	-4.20
14	1.02	34	-0.82	54	-3.64	74	-3.70
15	0.86	35	-0.84	55	-3.52	75	-3.55
16	0.70	36	-1.00	56	-3.87	76	-3.60
17	0.60	37	-1.20	57	-3.87	77	-3.64
18	0.46	38	-1.04	58	-3.90	78	-3.50
19	0.33	39	-1.04	59	-4.19	79	-3.82
20	0.21	40	-1.30	60	-4.15	80	-4.01

1	0.09	6	-0.07	11	0.03	16	0.00
2	0.07	7	-0.09	12	0.02	17	0.10
3	0.02	8	-0.27	13	0.01	18	0.15
4	0.00	9	-0.19	14	0.04	19	0.16
5	-0.01	10	0.02	15	0.03	20	0.18

3/ 1/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.67	21	0.15	41	-2.30	61	-4.02
2	2.55	22	-0.24	42	-2.04	62	-4.00
3	2.42	23	-0.56	43	-2.13	63	-4.06
4	2.30	24	-0.72	44	-1.84	64	-4.26
5	2.15	25	-0.82	45	-1.90	65	-3.45
6	1.94	26	-0.84	46	-2.13	66	-3.10
7	1.78	27	-0.78	47	-2.55	67	-3.02
8	1.64	28	-1.01	48	-2.57	68	-3.04
9	1.47	29	-1.45	49	-1.95	69	-3.30
10	1.32	30	-1.62	50	-1.75	70	-3.85
11	1.18	31	-1.86	51	-1.84	71	-4.22
12	1.06	32	-1.60	52	-2.00	72	-4.22
13	0.96	33	-1.49	53	-2.25	73	-3.75
14	0.86	34	-1.42	54	-2.53	74	-3.32
15	0.77	35	-1.35	55	-3.39	75	-3.26
16	0.65	36	-1.35	56	-3.76	76	-3.39
17	0.65	37	-1.40	57	-3.68	77	-3.70
18	0.68	38	-1.56	58	-3.30	78	-3.72
19	0.65	39	-1.61	59	-3.37	79	-4.50
20	0.49	40	-2.00	60	-3.37	80	-4.75

1	0.09	6	0.02	11	0.10	16	0.11
2	0.04	7	-0.00	12	0.13	17	0.17
3	0.03	8	0.02	13	0.13	18	0.19
4	0.02	9	-0.00	14	0.14	19	0.21
5	-0.00	10	-0.03	15	0.12	20	0.30

3/ 8/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	-0.21	41	-2.22	61	-3.62
2	2.51	22	-0.43	42	-1.57	62	-3.75
3	2.37	23	-0.73	43	-1.43	63	-3.76
4	2.26	24	-0.91	44	-1.42	64	-3.74
5	2.09	25	-0.95	45	-1.65	65	-3.18
6	1.91	26	-1.02	46	-1.73	66	-3.05
7	1.78	27	-1.06	47	-2.01	67	-3.05
8	1.61	28	-1.19	48	-2.34	68	-3.18
9	1.45	29	-1.35	49	-1.60	69	-3.31
10	1.29	30	-1.41	50	-1.66	70	-3.67
11	1.16	31	-1.61	51	-1.78	71	-3.75
12	1.07	32	-1.57	52	-2.07	72	-3.78
13	1.04	33	-1.60	53	-2.20	73	-3.29
14	1.16	34	-1.58	54	-2.51	74	-3.20
15	1.25	35	-1.55	55	-3.34	75	-3.24
16	1.31	36	-1.58	56	-3.60	76	-3.35
17	1.00	37	-1.56	57	-3.20	77	-3.71
18	0.76	38	-1.63	58	-3.13	78	-3.90
19	0.48	39	-1.68	59	-3.28	79	-4.05
20	0.13	40	-1.83	60	-3.45	80	-4.08

1	-0.30	6	0.13	11	-0.15	16	0.04
2	-0.26	7	0.10	12	0.03	17	0.01
3	-0.20	8	0.07	13	0.08	18	0.04
4	-0.12	9	0.01	14	0.11	19	0.01
5	0.04	10	-0.05	15	0.06	20	0.14

3/15/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.65	21	0.12	41	-1.90	61	-3.58
2	2.52	22	-0.20	42	-1.43	62	-3.65
3	2.39	23	-0.66	43	-1.20	63	-3.85
4	2.26	24	-0.75	44	-1.15	64	-4.06
5	2.10	25	-1.04	45	-1.24	65	-3.64
6	1.94	26	-1.09	46	-1.73	66	-3.17
7	1.78	27	-1.10	47	-1.98	67	-3.18
8	1.65	28	-1.10	48	-2.33	68	-3.32
9	1.54	29	-1.52	49	-1.91	69	-3.55
10	1.44	30	-1.74	50	-1.85	70	-4.27
11	1.35	31	-1.88	51	-2.04	71	-4.30
12	1.26	32	-1.84	52	-2.15	72	-4.32
13	1.17	33	-1.76	53	-3.02	73	-3.78
14	1.09	34	-1.55	54	-3.41	74	-3.47
15	1.01	35	-1.20	55	-3.64	75	-3.40
16	1.00	36	-1.24	56	-3.70	76	-3.48
17	0.93	37	-1.15	57	-3.46	77	-3.50
18	0.79	38	-1.15	58	-2.97	78	-3.66
19	0.60	39	-1.26	59	-3.02	79	-4.38
20	0.38	40	-1.39	60	-3.36	80	-4.45

1	0.97	6	0.87	11	0.81	16	0.96
2	1.11	7	0.83	12	0.80	17	0.64
3	0.98	8	0.80	13	0.91	18	0.57
4	0.95	9	0.97	14	0.80	19	0.61
5	0.92	10	0.88	15	0.77	20	0.59

3/22/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	-0.15	41	-2.11	61	-4.00
2	2.45	22	-0.20	42	-1.55	62	-4.00
3	2.37	23	-0.32	43	-1.26	63	-3.91
4	2.25	24	-0.50	44	-1.30	64	-4.16
5	2.13	25	-0.57	45	-1.25	65	-4.22
6	1.99	26	-0.72	46	-1.28	66	-3.65
7	1.79	27	-1.36	47	-1.32	67	-3.60
8	1.62	28	-1.15	48	-2.03	68	-3.62
9	1.42	29	-1.14	49	-1.60	69	-4.20
10	1.23	30	-1.59	50	-1.62	70	-4.22
11	1.07	31	-2.10	51	-1.51	71	-4.24
12	0.94	32	-1.46	52	-1.70	72	-4.35
13	0.82	33	-1.10	53	-1.80	73	-4.59
14	0.70	34	-1.20	54	-2.09	74	-4.24
15	0.58	35	-1.21	55	-3.18	75	-3.62
16	0.48	36	-1.14	56	-3.50	76	-3.73
17	0.37	37	-1.28	57	-3.44	77	-3.75
18	0.28	38	-1.26	58	-3.00	78	-4.35
19	0.16	39	-1.22	59	-3.43	79	-4.82
20	0.04	40	-1.55	60	-3.68	80	-4.83

1	-0.15	6	0.01	11	-0.08	16	-0.00
2	-0.14	7	-0.00	12	-0.05	17	0.04
3	-0.15	8	-0.00	13	-0.03	18	0.07
4	-0.10	9	0.01	14	-0.02	19	0.07
5	-0.03	10	0.05	15	0.01	20	0.16

3/29/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.22	41	-2.30	61	-2.82
2	2.53	22	-0.04	42	-2.05	62	-3.40
3	2.40	23	-0.55	43	-2.00	63	-3.90
4	2.21	24	-1.01	44	-1.94	64	-4.00
5	2.02	25	-1.20	45	-2.10	65	-3.64
6	1.88	26	-1.12	46	-2.24	66	-3.80
7	1.69	27	-1.03	47	-2.29	67	-4.00
8	1.48	28	-1.00	48	-2.25	68	-4.16
9	1.33	29	-0.80	49	-1.78	69	-4.25
10	1.20	30	-1.03	50	-1.59	70	-4.30
11	1.05	31	-1.30	51	-1.58	71	-4.18
12	0.94	32	-0.89	52	-1.76	72	-4.25
13	0.79	33	-0.90	53	-1.95	73	-4.06
14	0.66	34	-0.96	54	-2.07	74	-3.96
15	0.59	35	-1.00	55	-2.30	75	-4.14
16	0.71	36	-1.10	56	-2.62	76	-4.43
17	0.79	37	-1.20	57	-2.12	77	-4.71
18	0.68	38	-1.26	58	-2.10	78	-4.65
19	0.50	39	-1.42	59	-3.30	79	-4.68
20	0.37	40	-1.96	60	-3.50	80	-4.69

1	0.09	6	0.30	11	0.19	16	0.46
2	0.22	7	0.26	12	0.18	17	0.38
3	0.29	8	0.26	13	0.36	18	0.37
4	0.33	9	0.29	14	0.41	19	0.37
5	0.33	10	0.22	15	0.40	20	0.42

4/ 5/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.70	21	0.08	41	-2.04	61	-2.95
2	2.56	22	0.03	42	-1.58	62	-3.50
3	2.42	23	-0.05	43	-1.20	63	-3.80
4	2.26	24	-0.13	44	-1.22	64	-4.00
5	2.05	25	-0.33	45	-1.18	65	-3.87
6	1.83	26	-0.31	46	-1.30	66	-3.60
7	1.68	27	-0.38	47	-1.33	67	-3.82
8	1.50	28	-0.50	48	-1.74	68	-4.01
9	1.36	29	-0.72	49	-1.84	69	-4.27
10	1.25	30	-1.21	50	-1.53	70	-4.23
11	1.18	31	-1.56	51	-1.57	71	-4.35
12	1.09	32	-1.10	52	-1.72	72	-4.50
13	1.02	33	-1.02	53	-1.81	73	-4.42
14	0.92	34	-1.00	54	-2.50	74	-4.00
15	0.78	35	-0.96	55	-2.62	75	-4.30
16	0.70	36	-0.97	56	-2.90	76	-4.39
17	0.57	37	-0.97	57	-2.75	77	-4.50
18	0.43	38	-0.95	58	-2.48	78	-4.72
19	0.34	39	-1.09	59	-2.63	79	-4.73
20	0.23	40	-1.22	60	-2.88	80	-4.76

1	0.08	6	-0.08	11	0.04	16	0.39
2	0.10	7	-0.01	12	0.04	17	0.42
3	0.08	8	0.02	13	0.06	18	0.42
4	0.01	9	0.08	14	0.17	19	0.27
5	-0.05	10	0.11	15	0.28	20	0.22

4/12/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.32	41	-1.93	61	-3.34
2	2.50	22	0.25	42	-1.75	62	-3.82
3	2.35	23	0.11	43	-1.30	63	-3.93
4	2.20	24	0.0	44	-1.31	64	-4.25
5	2.03	25	-0.15	45	-1.32	65	-4.00
6	1.83	26	-0.78	46	-1.34	66	-3.78
7	1.69	27	-0.83	47	-1.37	67	-3.86
8	1.50	28	-1.00	48	-1.85	68	-4.23
9	1.42	29	-1.05	49	-1.51	69	-4.24
10	1.33	30	-1.20	50	-1.42	70	-4.32
11	1.22	31	-1.86	51	-1.47	71	-4.12
12	1.11	32	-1.25	52	-1.58	72	-4.30
13	1.02	33	-0.94	53	-1.83	73	-4.52
14	0.90	34	-0.98	54	-1.93	74	-3.98
15	0.77	35	-0.88	55	-2.61	75	-4.22
16	0.71	36	-0.92	56	-3.10	76	-4.25
17	0.62	37	-0.95	57	-3.04	77	-4.46
18	0.50	38	-1.00	58	-2.67	78	-4.56
19	0.45	39	-1.10	59	-2.72	79	-4.52
20	0.40	40	-1.14	60	-2.96	80	-4.86

1	0.19	6	0.11	11	0.29	16	0.62
2	0.16	7	0.21	12	0.38	17	0.59
3	0.15	8	0.17	13	0.41	18	0.63
4	0.14	9	0.22	14	0.56	19	0.59
5	0.15	10	0.21	15	0.55	20	0.55

4/19/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.25	41	-2.26	61	-2.98
2	2.45	22	0.10	42	-1.82	62	-3.60
3	2.38	23	-0.10	43	-1.25	63	-3.73
4	2.16	24	-0.26	44	-1.25	64	-4.15
5	2.01	25	-0.42	45	-1.32	65	-4.34
6	1.83	26	-0.61	46	-1.37	66	-4.26
7	1.68	27	-1.00	47	-1.53	67	-4.21
8	1.53	28	-1.23	48	-2.06	68	-4.11
9	1.44	29	-1.30	49	-1.82	69	-4.24
10	1.32	30	-1.35	50	-1.54	70	-4.20
11	1.23	31	-2.00	51	-1.60	71	-4.15
12	1.13	32	-1.47	52	-1.76	72	-4.40
13	1.02	33	-1.02	53	-1.70	73	-4.65
14	0.89	34	-1.12	54	-1.96	74	-4.18
15	0.80	35	-1.10	55	-2.39	75	-4.55
16	0.70	36	-1.14	56	-2.71	76	-4.60
17	0.63	37	-1.20	57	-2.90	77	-4.58
18	0.55	38	-1.23	58	-2.53	78	-4.61
19	0.49	39	-1.26	59	-2.72	79	-4.72
20	0.40	40	-2.02	60	-2.87	80	-4.80

1	0.12	6	-0.02	11	0.20	16	0.32
2	0.04	7	-0.03	12	0.16	17	0.33
3	0.03	8	0.00	13	0.18	18	0.33
4	-0.02	9	0.03	14	0.17	19	0.22
5	-0.05	10	0.04	15	0.25	20	0.15

4/26/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.32	41	-1.87	61	-2.20
2	2.43	22	0.22	42	-1.64	62	-2.30
3	2.33	23	0.15	43	-1.36	63	-2.92
4	2.18	24	-0.03	44	-1.22	64	-3.61
5	2.04	25	-0.31	45	-1.27	65	-3.57
6	1.90	26	-0.40	46	-1.41	66	-3.23
7	1.75	27	-1.22	47	-1.46	67	-3.00
8	1.60	28	-1.46	48	-2.00	68	-3.18
9	1.46	29	-1.65	49	-1.97	69	-3.83
10	1.36	30	-1.78	50	-1.78	70	-4.20
11	1.28	31	-2.20	51	-1.60	71	-4.25
12	1.23	32	-1.85	52	-1.52	72	-4.41
13	1.19	33	-1.21	53	-1.61	73	-4.60
14	1.08	34	-1.16	54	-1.70	74	-4.54
15	0.98	35	-1.03	55	-1.83	75	-4.60
16	0.87	36	-1.08	56	-2.75	76	-4.62
17	0.74	37	-1.01	57	-2.57	77	-4.64
18	0.63	38	-1.06	58	-2.14	78	-4.67
19	0.48	39	-1.18	59	-2.17	79	-4.81
20	0.46	40	-1.34	60	-2.11	80	-4.90

1	0.30	6	0.22	11	0.21	16	0.10
2	0.32	7	0.18	12	0.22	17	0.06
3	0.25	8	0.17	13	0.14	18	0.05
4	0.23	9	0.17	14	0.07	19	0.10
5	0.24	10	0.15	15	0.05	20	0.07

5/ 3/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.55	41	-1.63	61	-2.31
2	2.46	22	-0.79	42	-1.35	62	-2.44
3	2.32	23	-1.55	43	-1.30	63	-3.18
4	2.18	24	-1.64	44	-1.32	64	-3.96
5	2.04	25	-1.84	45	-1.33	65	-3.07
6	1.95	26	-1.88	46	-1.39	66	-3.14
7	1.88	27	-1.50	47	-1.41	67	-3.05
8	1.76	28	-1.26	48	-2.20	68	-3.07
9	1.62	29	-1.29	49	-1.82	69	-3.46
10	1.46	30	-1.91	50	-1.34	70	-3.46
11	1.32	31	-2.10	51	-1.41	71	-4.37
12	1.19	32	-1.44	52	-1.48	72	-4.44
13	1.06	33	-1.33	53	-1.51	73	-4.76
14	0.91	34	-1.26	54	-1.57	74	-4.61
15	0.76	35	-1.24	55	-1.78	75	-4.70
16	0.61	36	-1.24	56	-2.52	76	-4.72
17	0.37	37	-1.27	57	-2.48	77	-4.75
18	0.12	38	-1.46	58	-2.00	78	-4.78
19	-0.07	39	-1.59	59	-1.92	79	-4.83
20	-0.35	40	-1.88	60	-2.01	80	-5.00

1	-0.56	6	0.15	11	-0.74	16	-0.30
2	-0.37	7	0.14	12	-0.75	17	-0.03
3	-0.21	8	0.12	13	-0.71	18	0.04
4	-0.09	9	0.08	14	-0.64	19	0.12
5	0.03	10	0.03	15	-0.42	20	0.30

5/10/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.19	41	-1.30	61	-2.75
2	2.43	22	0.0	42	-0.98	62	-3.05
3	2.32	23	-0.22	43	-1.05	63	-3.28
4	2.19	24	-0.40	44	-1.13	64	-3.42
5	2.03	25	-0.90	45	-1.20	65	-3.15
6	1.92	26	-1.50	46	-1.43	66	-3.08
7	1.85	27	-1.05	47	-1.59	67	-3.18
8	1.74	28	-1.13	48	-1.75	68	-3.20
9	1.60	29	-1.15	49	-1.48	69	-3.49
10	1.43	30	-1.16	50	-1.52	70	-3.54
11	1.33	31	-1.35	51	-1.70	71	-4.30
12	1.27	32	-0.76	52	-1.73	72	-4.34
13	1.27	33	-0.75	53	-1.83	73	-4.50
14	1.29	34	-0.75	54	-2.10	74	-4.43
15	1.19	35	-0.76	55	-2.21	75	-4.48
16	1.10	36	-0.74	56	-2.40	76	-4.50
17	0.95	37	-0.76	57	-2.30	77	-4.56
18	0.75	38	-0.78	58	-2.19	78	-4.70
19	0.53	39	-0.95	59	-2.40	79	-4.85
20	0.36	40	-1.06	60	-2.60	80	-4.93

1	0.18	6	0.12	11	0.05	16	0.00
2	0.23	7	0.13	12	-0.02	17	0.10
3	0.19	8	0.12	13	0.01	18	0.11
4	0.13	9	0.12	14	0.03	19	0.10
5	0.07	10	0.12	15	0.05	20	0.13

5/17/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	-0.13	41	-2.16	61	-2.73
2	2.46	22	-0.45	42	-1.53	62	-3.26
3	2.35	23	-0.65	43	-1.53	63	-4.10
4	2.20	24	-1.41	44	-1.54	64	-4.20
5	2.05	25	-1.70	45	-1.65	65	-4.24
6	1.92	26	-1.60	46	-1.64	66	-3.68
7	1.86	27	-1.45	47	-1.75	67	-3.70
8	1.74	28	-1.75	48	-2.70	68	-3.63
9	1.65	29	-1.90	49	-2.58	69	-3.83
10	1.60	30	-1.70	50	-2.06	70	-4.40
11	1.55	31	-1.10	51	-2.06	71	-4.38
12	1.49	32	-1.03	52	-1.70	72	-4.41
13	1.44	33	-1.01	53	-1.75	73	-4.78
14	1.39	34	-1.00	54	-1.74	74	-4.75
15	1.30	35	-1.07	55	-2.37	75	-4.85
16	1.19	36	-1.04	56	-2.51	76	-4.87
17	0.98	37	-1.13	57	-2.55	77	-4.90
18	0.70	38	-1.28	58	-2.20	78	-5.04
19	0.44	39	-1.63	59	-2.34	79	-4.95
20	0.15	40	-1.75	60	-2.60	80	-4.95

1	-0.17	6	0.06	11	-0.31	16	-0.21
2	-0.08	7	0.08	12	-0.26	17	-0.20
3	0.01	8	0.15	13	-0.28	18	-0.29
4	0.04	9	0.14	14	-0.21	19	-0.27
5	0.09	10	0.05	15	-0.24	20	-0.23

5/24/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.02	41	-2.96	61	-2.01
2	2.44	22	-0.05	42	-2.60	62	-3.48
3	2.32	23	-0.20	43	-1.75	63	-4.00
4	2.17	24	-0.35	44	-1.64	64	-4.08
5	2.04	25	-1.00	45	-2.00	65	-4.03
6	1.93	26	-1.61	46	-2.02	66	-3.65
7	1.84	27	-1.44	47	-2.25	67	-3.93
8	1.78	28	-1.67	48	-2.03	68	-3.94
9	1.72	29	-1.42	49	-2.62	69	-4.11
10	1.68	30	-1.56	50	-2.01	70	-4.34
11	1.59	31	-2.38	51	-1.70	71	-4.43
12	1.43	32	-1.75	52	-1.63	72	-4.47
13	1.23	33	-1.38	53	-1.52	73	-4.50
14	1.06	34	-1.39	54	-1.46	74	-4.51
15	0.90	35	-1.43	55	-1.73	75	-4.36
16	0.76	36	-1.44	56	-2.41	76	-4.35
17	0.60	37	-1.58	57	-2.30	77	-4.36
18	0.45	38	-1.70	58	-1.90	78	-4.62
19	0.29	39	-1.74	59	-1.85	79	-4.95
20	0.20	40	-2.16	60	-1.92	80	-5.10

1	0.09	6	0.02	11	-0.07	16	0.12
2	0.13	7	0.03	12	0.10	17	0.10
3	0.02	8	0.02	13	0.09	18	0.09
4	0.01	9	0.04	14	0.09	19	0.14
5	0.05	10	-0.01	15	0.11	20	0.07

5/31/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.50	41	-2.15	61	-2.32
2	2.46	22	0.41	42	-2.09	62	-2.64
3	2.32	23	0.28	43	-1.52	63	-3.10
4	2.16	24	0.10	44	-1.47	64	-4.01
5	2.05	25	-0.11	45	-1.45	65	-3.90
6	1.95	26	-0.25	46	-1.51	66	-3.31
7	1.86	27	-0.43	47	-1.65	67	-3.32
8	1.81	28	-0.57	48	-2.44	68	-3.44
9	1.70	29	-0.72	49	-2.50	69	-3.75
10	1.70	30	-0.96	50	-1.91	70	-4.23
11	1.61	31	-1.47	51	-2.00	71	-4.28
12	1.49	32	-1.03	52	-1.63	72	-4.34
13	1.41	33	-1.00	53	-1.63	73	-4.71
14	1.30	34	-1.00	54	-1.64	74	-4.00
15	1.12	35	-0.99	55	-1.79	75	-4.34
16	1.00	36	-1.00	56	-2.13	76	-4.64
17	0.89	37	-1.03	57	-2.14	77	-4.65
18	0.76	38	-1.10	58	-1.91	78	-4.86
19	0.68	39	-1.34	59	-2.00	79	-4.79
20	0.59	40	-1.45	60	-2.05	80	-4.91

1	0.52	6	0.48	11	0.39	16	0.11
2	0.51	7	0.59	12	0.33	17	0.11
3	0.45	8	0.49	13	0.28	18	0.08
4	0.39	9	0.55	14	0.29	19	-0.03
5	0.41	10	0.46	15	0.19	20	-0.09

6/ 7/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.55	41	-2.16	61	-2.70
2	2.42	22	0.30	42	-1.20	62	-3.04
3	2.34	23	0.10	43	-0.97	63	-3.22
4	2.17	24	-0.08	44	-0.92	64	-3.70
5	2.03	25	-0.22	45	-0.96	65	-3.46
6	1.93	26	-0.34	46	-1.10	66	-3.35
7	1.84	27	-0.70	47	-1.28	67	-3.40
8	1.78	28	-0.85	48	-1.68	68	-3.59
9	1.70	29	-1.21	49	-1.48	69	-3.85
10	1.68	30	-1.36	50	-1.34	70	-4.25
11	1.58	31	-1.64	51	-1.46	71	-4.31
12	1.47	32	-1.00	52	-1.63	72	-4.30
13	1.36	33	-0.90	53	-1.84	73	-4.60
14	1.17	34	-1.01	54	-2.02	74	-4.10
15	1.18	35	-1.14	55	-2.28	75	-4.34
16	1.19	36	-1.22	56	-2.53	76	-4.60
17	1.20	37	-1.34	57	-2.40	77	-4.70
18	1.22	38	-1.40	58	-2.15	78	-4.70
19	1.19	39	-1.65	59	-2.30	79	-4.61
20	0.96	40	-1.82	60	-2.58	80	-4.65

1	0.39	6	0.19	11	0.52	16	0.30
2	0.29	7	0.27	12	0.48	17	0.31
3	0.27	8	0.29	13	0.47	18	0.28
4	0.27	9	0.14	14	0.38	19	0.19
5	0.28	10	0.16	15	0.43	20	0.17

6/14/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.21	41	-1.83	61	-2.98
2	2.43	22	-0.04	42	-1.24	62	-3.21
3	2.35	23	-0.31	43	-1.14	63	-3.78
4	2.21	24	-0.50	44	-1.19	64	-4.19
5	2.05	25	-0.73	45	-1.30	65	-4.20
6	1.94	26	-1.12	46	-1.37	66	-3.52
7	1.83	27	-1.52	47	-1.45	67	-3.56
8	1.77	28	-1.75	48	-2.01	68	-3.68
9	1.69	29	-1.80	49	-1.90	69	-3.96
10	1.67	30	-1.91	50	-1.73	70	-4.26
11	1.62	31	-2.44	51	-1.61	71	-4.23
12	1.55	32	-2.00	52	-1.70	72	-4.35
13	1.41	33	-1.64	53	-1.71	73	-4.64
14	1.36	34	-1.39	54	-1.84	74	-4.00
15	1.35	35	-1.00	55	-2.03	75	-4.13
16	1.45	36	-0.94	56	-2.95	76	-4.60
17	1.28	37	-0.95	57	-3.01	77	-4.57
18	0.98	38	-0.98	58	-2.57	78	-4.38
19	0.66	39	-1.00	59	-2.60	79	-4.54
20	0.49	40	-1.34	60	-2.75	80	-4.88
1	0.06	6	0.08	11	0.16	16	0.27
2	0.06	7	0.11	12	0.24	17	0.25
3	0.09	8	0.20	13	0.29	18	0.31
4	0.13	9	0.17	14	0.25	19	0.51
5	0.12	10	0.17	15	0.34	20	0.52

6/21/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.44	41	-1.24	61	-3.22
2	2.43	22	0.28	42	-1.13	62	-3.48
3	2.34	23	0.09	43	-1.40	63	-3.67
4	2.18	24	-0.10	44	-1.43	64	-3.86
5	2.03	25	-0.26	45	-1.45	65	-3.73
6	1.91	26	-0.65	46	-1.64	66	-3.58
7	1.81	27	-1.20	47	-1.78	67	-3.64
8	1.71	28	-1.54	48	-1.85	68	-3.73
9	1.67	29	-1.57	49	-1.81	69	-4.01
10	1.66	30	-1.46	50	-1.75	70	-4.23
11	1.61	31	-1.05	51	-1.88	71	-4.25
12	1.52	32	-0.44	52	-2.09	72	-4.26
13	1.47	33	-0.43	53	-2.12	73	-4.37
14	1.44	34	-0.48	54	-2.52	74	-4.05
15	1.40	35	-0.53	55	-2.74	75	-4.16
16	1.28	36	-0.60	56	-2.96	76	-4.27
17	1.10	37	-0.67	57	-2.94	77	-4.36
18	0.93	38	-0.72	58	-2.80	78	-4.37
19	0.79	39	-0.95	59	-2.79	79	-4.39
20	0.66	40	-0.94	60	-3.01	80	-4.46
1	0.29	6	0.04	11	0.85	16	0.36
2	0.20	7	0.06	12	0.41	17	0.26
3	0.13	8	0.06	13	0.40	18	0.31
4	0.08	9	0.10	14	0.45	19	0.12
5	0.05	10	0.11	15	0.32	20	0.10

6/28/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.35	41	-1.51	61	-3.66
2	2.46	22	0.20	42	-1.35	62	-3.75
3	2.35	23	0.04	43	-1.30	63	-4.01
4	2.22	24	-0.05	44	-1.30	64	-4.21
5	2.04	25	-0.16	45	-1.42	65	-4.30
6	1.96	26	-0.24	46	-1.49	66	-3.73
7	1.84	27	-0.35	47	-1.53	67	-3.74
8	1.75	28	-0.45	48	-1.92	68	-3.79
9	1.70	29	-0.60	49	-2.01	69	-4.18
10	1.69	30	-0.68	50	-1.80	70	-4.25
11	1.65	31	-1.19	51	-1.77	71	-4.26
12	1.61	32	-0.91	52	-1.92	72	-4.52
13	1.52	33	-0.83	53	-1.97	73	-4.74
14	1.41	34	-0.77	54	-2.21	74	-4.45
15	1.20	35	-0.86	55	-2.80	75	-4.14
16	1.01	36	-0.87	56	-3.56	76	-4.41
17	0.78	37	-0.90	57	-3.44	77	-4.65
18	0.70	38	-0.95	58	-2.98	78	-4.68
19	0.55	39	-0.99	59	-3.07	79	-4.80
20	0.39	40	-1.08	60	-3.25	80	-4.91
1	0.28	6	0.14	11	0.26	16	0.32
2	0.28	7	0.16	12	0.30	17	0.28
3	0.28	8	0.15	13	0.29	18	0.26
4	0.24	9	0.16	14	0.29	19	0.28
5	0.20	10	0.12	15	0.30	20	0.30

7/ 5/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.20	41	-1.29	61	-3.61
2	2.44	22	0.05	42	-0.99	62	-3.82
3	2.33	23	-0.09	43	-1.05	63	-4.01
4	2.20	24	-0.21	44	-1.16	64	-4.20
5	2.02	25	-0.37	45	-1.34	65	-4.03
6	1.93	26	-0.44	46	-1.51	66	-4.06
7	1.83	27	-0.49	47	-1.70	67	-4.10
8	1.79	28	-0.44	48	-1.74	68	-4.11
9	1.76	29	-0.55	49	-1.66	69	-4.32
10	1.69	30	-0.76	50	-1.73	70	-4.25
11	1.54	31	-1.34	51	-1.76	71	-4.39
12	1.42	32	-0.62	52	-1.85	72	-4.34
13	1.27	33	-0.63	53	-1.92	73	-4.36
14	1.13	34	-0.64	54	-2.16	74	-4.12
15	1.01	35	-0.70	55	-2.50	75	-4.39
16	0.94	36	-0.73	56	-3.22	76	-4.40
17	0.80	37	-0.77	57	-2.81	77	-4.51
18	0.66	38	-0.94	58	-3.00	78	-4.53
19	0.49	39	-1.07	59	-3.16	79	-4.54
20	0.33	40	-1.02	60	-3.39	80	-4.59
1	0.19	6	0.09	11	0.08	16	0.10
2	0.19	7	0.10	12	0.08	17	0.07
3	0.14	8	0.13	13	0.07	18	0.04
4	0.10	9	0.08	14	0.09	19	0.07
5	0.06	10	0.04	15	0.10	20	0.10

7/12/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.24	41	-1.50	61	-3.61
2	2.43	22	0.10	42	-1.12	62	-3.58
3	2.35	23	0.0	43	-1.11	63	-3.92
4	2.19	24	-0.20	44	-1.15	64	-4.10
5	2.02	25	-0.21	45	-1.20	65	-4.01
6	1.93	26	-0.26	46	-1.23	66	-4.10
7	1.83	27	-0.34	47	-1.34	67	-3.92
8	1.78	28	-0.40	48	-1.83	68	-4.19
9	1.77	29	-0.48	49	-1.59	69	-4.26
10	1.69	30	-0.59	50	-1.63	70	-4.25
11	1.55	31	-1.20	51	-1.56	71	-3.94
12	1.41	32	-0.85	52	-1.92	72	-4.32
13	1.32	33	-0.68	53	-2.12	73	-4.54
14	1.24	34	-0.68	54	-2.50	74	-4.15
15	1.10	35	-0.70	55	-2.96	75	-4.33
16	0.99	36	-0.74	56	-3.34	76	-4.24
17	0.84	37	-0.80	57	-3.10	77	-4.43
18	0.67	38	-0.81	58	-3.01	78	-4.41
19	0.49	39	-0.89	59	-3.30	79	-4.24
20	0.38	40	-0.98	60	-3.66	80	-4.41

1	0.17	6	0.13	11	0.18	16	0.22
2	0.13	7	0.16	12	0.14	17	0.20
3	0.14	8	0.14	13	0.18	18	0.18
4	0.21	9	0.13	14	0.23	19	0.18
5	0.19	10	0.10	15	0.22	20	0.24

7/19/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.61	21	0.12	41	-1.46	61	-4.00
2	2.45	22	-0.07	42	-1.08	62	-3.92
3	2.35	23	-0.18	43	-1.05	63	-4.08
4	2.17	24	-0.30	44	-1.11	64	-4.20
5	2.02	25	-0.81	45	-1.23	65	-4.15
6	1.93	26	-0.97	46	-1.28	66	-4.28
7	1.83	27	-0.80	47	-1.40	67	-4.31
8	1.78	28	-0.71	48	-1.86	68	-4.26
9	1.78	29	-0.80	49	-1.76	69	-4.09
10	1.74	30	-0.80	50	-1.70	70	-4.28
11	1.64	31	-1.42	51	-1.93	71	-4.19
12	1.50	32	-0.50	52	-2.06	72	-4.50
13	1.38	33	-0.51	53	-2.17	73	-4.52
14	1.22	34	-0.56	54	-2.61	74	-3.78
15	1.06	35	-0.59	55	-3.06	75	-3.95
16	0.88	36	-0.64	56	-3.59	76	-4.32
17	0.75	37	-0.73	57	-3.40	77	-4.39
18	0.60	38	-0.80	58	-3.31	78	-4.30
19	0.48	39	-0.82	59	-3.78	79	-4.46
20	0.35	40	-0.91	60	-3.81	80	-4.75

1	0.19	6	0.09	11	0.08	16	0.08
2	0.19	7	0.10	12	0.12	17	0.10
3	0.14	8	0.13	13	0.16	18	0.06
4	0.10	9	0.08	14	0.16	19	0.08
5	0.06	10	0.04	15	0.09	20	0.03

7/26/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.31	41	-1.36	61	-3.61
2	2.43	22	0.23	42	-1.12	62	-3.90
3	2.31	23	0.13	43	-1.03	63	-4.01
4	2.18	24	0.04	44	-1.03	64	-4.20
5	2.03	25	-0.05	45	-1.11	65	-4.28
6	1.92	26	-0.13	46	-1.23	66	-4.12
7	1.83	27	-0.21	47	-1.70	67	-3.97
8	1.78	28	-0.27	48	-1.25	68	-4.22
9	1.77	29	-0.28	49	-1.85	69	-3.93
10	1.73	30	-0.45	50	-1.70	70	-4.16
11	1.63	31	-0.65	51	-1.86	71	-4.29
12	1.51	32	-0.47	52	-2.29	72	-4.26
13	1.40	33	-0.49	53	-2.62	73	-4.20
14	1.30	34	-0.56	54	-3.14	74	-3.94
15	1.15	35	-0.60	55	-3.43	75	-3.95
16	1.00	36	-0.62	56	-3.66	76	-4.03
17	0.88	37	-0.68	57	-3.64	77	-4.14
18	0.73	38	-0.71	58	-3.30	78	-4.40
19	0.59	39	-0.72	59	-3.33	79	-4.34
20	0.47	40	-0.86	60	-3.55	80	-4.65

1	1.24	6	1.10	11	1.26	16	1.04
2	1.24	7	1.10	12	1.27	17	1.05
3	1.20	8	1.10	13	1.16	18	1.06
4	1.16	9	1.16	14	1.19	19	1.05
5	1.12	10	1.18	15	1.13	20	1.07

8/ 2/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.49	21	0.04	41	-2.60	61	-4.41
2	2.39	22	-0.09	42	-2.45	62	-4.30
3	2.30	23	-0.20	43	-1.45	63	-4.38
4	2.17	24	-0.30	44	-1.45	64	-4.32
5	2.01	25	-0.38	45	-1.44	65	-4.36
6	1.91	26	-0.46	46	-1.31	66	-3.80
7	1.84	27	-0.55	47	-1.42	67	-3.89
8	1.80	28	-0.77	48	-1.78	68	-4.17
9	1.81	29	-0.81	49	-1.68	69	-4.31
10	1.79	30	-0.83	50	-1.35	70	-4.22
11	1.70	31	-1.28	51	-1.40	71	-4.30
12	1.45	32	-1.00	52	-1.38	72	-4.37
13	1.26	33	-0.86	53	-1.53	73	-4.22
14	1.09	34	-0.89	54	-1.62	74	-3.88
15	0.88	35	-1.04	55	-2.00	75	-3.86
16	0.62	36	-1.09	56	-3.30	76	-3.89
17	0.59	37	-1.11	57	-3.00	77	-3.98
18	0.46	38	-1.27	58	-2.80	78	-4.08
19	0.34	39	-1.32	59	-2.76	79	-4.40
20	0.21	40	-1.86	60	-3.05	80	-4.80

1	1.04	6	0.92	11	1.10	16	1.05
2	0.97	7	0.97	12	1.06	17	1.06
3	0.95	8	0.94	13	1.04	18	1.07
4	0.93	9	0.89	14	1.04	19	1.09
5	0.91	10	0.85	15	1.06	20	1.14

8/ 9/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.29	41	-1.26	61	-3.46
2	2.42	22	0.17	42	-0.91	62	-3.75
3	2.31	23	-0.01	43	-0.91	63	-3.92
4	2.17	24	-0.16	44	-0.98	64	-4.06
5	2.02	25	-0.21	45	-1.00	65	-3.81
6	1.90	26	-0.30	46	-1.22	66	-4.04
7	1.84	27	-0.41	47	-1.43	67	-4.13
8	1.78	28	-0.47	48	-1.59	68	-4.13
9	1.79	29	-0.65	49	-1.28	69	-4.12
10	1.79	30	-0.98	50	-1.35	70	-4.10
11	1.67	31	-1.20	51	-1.51	71	-4.11
12	1.45	32	-1.01	52	-1.69	72	-4.21
13	1.26	33	-1.05	53	-1.76	73	-3.96
14	1.13	34	-1.11	54	-2.01	74	-3.85
15	1.03	35	-1.30	55	-2.60	75	-3.92
16	0.96	36	-1.30	56	-2.95	76	-4.03
17	0.85	37	-1.31	57	-2.80	77	-4.07
18	0.65	38	-1.40	58	-2.61	78	-4.12
19	0.54	39	-1.45	59	-2.75	79	-4.15
20	0.42	40	-1.27	60	-3.02	80	-4.28

1	1.30	6	1.27	11	1.27	16	1.06
2	1.28	7	1.20	12	1.27	17	1.12
3	1.28	8	1.17	13	1.22	18	1.16
4	1.28	9	1.17	14	1.17	19	1.24
5	1.27	10	1.12	15	1.13	20	1.23

8/16/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.52	21	0.33	41	-1.27	61	-3.68
2	2.40	22	0.22	42	-0.98	62	-3.54
3	2.29	23	0.10	43	-1.05	63	-3.86
4	2.17	24	-0.04	44	-1.11	64	-4.04
5	2.02	25	-0.17	45	-1.25	65	-3.80
6	1.91	26	-0.29	46	-1.47	66	-3.80
7	1.85	27	-0.38	47	-1.80	67	-3.96
8	1.79	28	-0.51	48	-2.10	68	-4.00
9	1.78	29	-0.58	49	-1.80	69	-4.05
10	1.76	30	-0.78	50	-1.69	70	-4.09
11	1.63	31	-1.00	51	-1.83	71	-4.10
12	1.46	32	-0.50	52	-1.98	72	-4.20
13	1.32	33	-0.48	53	-2.16	73	-3.85
14	1.28	34	-0.52	54	-2.47	74	-3.81
15	1.19	35	-0.52	55	-2.72	75	-3.87
16	1.04	36	-0.58	56	-3.09	76	-3.91
17	0.93	37	-0.60	57	-2.80	77	-3.96
18	0.76	38	-0.65	58	-2.50	78	-4.05
19	0.62	39	-0.72	59	-2.72	79	-4.12
20	0.50	40	-0.80	60	-3.43	80	-4.30

1	1.07	6	0.83	11	1.03	16	0.89
2	1.07	7	0.84	12	0.98	17	0.93
3	1.04	8	0.82	13	0.92	18	1.03
4	0.98	9	0.84	14	0.89	19	1.03
5	0.88	10	0.84	15	0.86	20	1.18

8/23/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	0.48	41	-1.40	61	-3.30
2	2.43	22	0.15	42	-1.08	62	-3.51
3	2.12	23	-0.40	43	-1.15	63	-3.65
4	2.17	24	-0.59	44	-1.36	64	-3.85
5	2.03	25	-0.77	45	-1.71	65	-3.82
6	1.93	26	-0.32	46	-1.90	66	-3.80
7	1.82	27	-0.24	47	-2.06	67	-3.87
8	1.78	28	-0.24	48	-2.25	68	-3.94
9	1.72	29	-0.26	49	-1.77	69	-3.96
10	1.69	30	-0.27	50	-1.94	70	-3.93
11	1.65	31	-0.58	51	-2.15	71	-4.02
12	1.48	32	-0.38	52	-2.26	72	-4.13
13	1.32	33	-0.39	53	-2.39	73	-3.84
14	1.25	34	-0.44	54	-2.51	74	-3.81
15	1.23	35	-0.48	55	-2.80	75	-3.86
16	1.20	36	-0.55	56	-3.03	76	-3.92
17	1.19	37	-0.63	57	-2.63	77	-3.96
18	1.17	38	-0.70	58	-2.61	78	-4.01
19	1.00	39	-0.77	59	-3.00	79	-4.05
20	0.73	40	-0.93	60	-3.11	80	-4.21

1	0.30	6	0.08	11	0.28	16	0.51
2	0.36	7	0.19	12	0.36	17	0.47
3	0.36	8	0.20	13	0.37	18	0.41
4	0.24	9	0.04	14	0.49	19	0.44
5	0.25	10	0.12	15	0.57	20	0.37

8/30/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	0.04	41	-1.80	61	-3.90
2	2.45	22	-0.10	42	-1.37	62	-4.00
3	2.35	23	-0.15	43	-1.30	63	-4.00
4	2.24	24	-0.24	44	-1.30	64	-4.18
5	2.13	25	-0.36	45	-1.36	65	-4.45
6	2.03	26	-0.40	46	-1.46	66	-4.55
7	1.91	27	-0.48	47	-1.46	67	-4.10
8	1.78	28	-0.60	48	-2.26	68	-4.38
9	1.64	29	-0.78	49	-1.93	69	-4.34
10	1.47	30	-1.08	50	-1.75	70	-4.35
11	1.32	31	-1.50	51	-1.69	71	-4.45
12	1.18	32	-1.18	52	-1.85	72	-4.50
13	1.04	33	-0.93	53	-2.19	73	-4.82
14	0.90	34	-0.90	54	-2.50	74	-4.66
15	0.78	35	-0.98	55	-3.10	75	-4.00
16	0.69	36	-0.98	56	-3.68	76	-4.00
17	0.54	37	-0.88	57	-4.10	77	-4.12
18	0.36	38	-0.90	58	-3.56	78	-4.25
19	0.29	39	-1.00	59	-3.45	79	-4.56
20	0.12	40	-1.57	60	-3.60	80	-4.70

1	0.02	6	0.12	11	0.04	16	0.14
2	-0.00	7	0.03	12	0.03	17	0.12
3	0.04	8	-0.00	13	0.04	18	0.12
4	0.13	9	-0.06	14	0.03	19	0.16
5	0.14	10	-0.12	15	0.04	20	0.06

9/ 6/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.51	21	-0.03	41	-1.75	61	-3.13
2	2.41	22	-0.28	42	-1.90	62	-3.82
3	2.36	23	-0.47	43	-1.66	63	-4.00
4	2.24	24	-0.73	44	-1.65	64	-4.42
5	2.13	25	-1.09	45	-1.50	65	-4.40
6	2.06	26	-1.04	46	-1.52	66	-4.30
7	1.93	27	-1.18	47	-1.62	67	-4.26
8	1.67	28	-1.20	48	-2.15	68	-4.30
9	1.55	29	-1.20	49	-2.00	69	-4.22
10	1.46	30	-1.22	50	-1.67	70	-4.29
11	1.41	31	-1.52	51	-1.45	71	-4.35
12	1.38	32	-0.80	52	-1.52	72	-4.34
13	1.39	33	-0.70	53	-1.56	73	-4.62
14	1.13	34	-0.70	54	-1.69	74	-4.00
15	1.03	35	-0.71	55	-2.30	75	-3.95
16	0.85	36	-0.80	56	-2.52	76	-4.24
17	0.64	37	-0.90	57	-2.73	77	-4.30
18	0.42	38	-0.93	58	-2.49	78	-4.44
19	0.28	39	-1.04	59	-2.64	79	-4.40
20	0.14	40	-1.22	60	-2.80	80	-4.32

1	-0.10	6	0.14	11	-0.20	16	0.13
2	-0.17	7	0.14	12	-0.10	17	0.18
3	-0.03	8	0.18	13	0.12	18	0.20
4	-0.03	9	0.22	14	0.07	19	0.19
5	0.10	10	0.22	15	0.06	20	0.16

9/13/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.16	41	-1.50	61	-3.10
2	2.43	22	-0.08	42	-1.09	62	-3.55
3	2.33	23	-0.23	43	-1.00	63	-3.94
4	2.23	24	-0.62	44	-0.93	64	-4.06
5	2.15	25	-0.83	45	-0.94	65	-3.96
6	2.06	26	-0.94	46	-1.10	66	-3.93
7	1.92	27	-1.30	47	-1.25	67	-3.98
8	1.75	28	-1.37	48	-1.48	68	-4.14
9	1.63	29	-1.41	49	-1.10	69	-4.20
10	1.59	30	-1.55	50	-1.15	70	-4.23
11	1.54	31	-1.90	51	-1.26	71	-4.21
12	1.46	32	-1.28	52	-1.42	72	-4.26
13	1.30	33	-1.20	53	-1.80	73	-3.96
14	1.17	34	-1.10	54	-2.09	74	-3.89
15	1.02	35	-0.90	55	-2.36	75	-3.86
16	0.91	36	-0.66	56	-2.73	76	-3.90
17	0.76	37	-0.76	57	-2.49	77	-3.95
18	0.60	38	-0.90	58	-2.39	78	-3.94
19	0.48	39	-0.90	59	-3.61	79	-3.97
20	0.36	40	-1.24	60	-3.75	80	-4.10

1	0.06	6	-0.17	11	0.09	16	0.12
2	0.03	7	-0.12	12	0.09	17	0.08
3	-0.02	8	-0.12	13	0.09	18	0.03
4	0.00	9	-0.02	14	0.12	19	-0.01
5	-0.11	10	-0.07	15	0.13	20	-0.02

9/20/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.59	21	-0.14	41	-2.12	61	-2.40
2	2.43	22	0.0	42	-1.82	62	-2.96
3	2.34	23	-0.04	43	-1.26	63	-3.40
4	2.26	24	-0.17	44	-1.23	64	-4.30
5	2.12	25	-0.24	45	-1.17	65	-4.17
6	2.03	26	-0.34	46	-1.20	66	-3.50
7	1.89	27	-0.46	47	-1.40	67	-3.50
8	1.74	28	-0.47	48	-2.00	68	-3.52
9	1.65	29	-0.57	49	-2.00	69	-3.66
10	1.63	30	-0.81	50	-1.61	70	-3.90
11	1.58	31	-1.55	51	-1.46	71	-4.34
12	1.41	32	-1.00	52	-1.32	72	-4.42
13	1.21	33	-0.75	53	-1.30	73	-4.17
14	1.07	34	-0.76	54	-1.37	74	-3.52
15	0.93	35	-0.78	55	-1.80	75	-3.41
16	0.81	36	-0.80	56	-2.41	76	-3.40
17	0.60	37	-0.80	57	-2.30	77	-3.45
18	0.48	38	-0.85	58	-1.83	78	-3.60
19	0.36	39	-0.99	59	-1.96	79	-4.14
20	0.26	40	-1.30	60	-2.15	80	-4.45

1	0.87	6	0.75	11	0.71	16	0.70
2	1.06	7	0.61	12	0.70	17	0.80
3	0.92	8	0.67	13	0.70	18	0.80
4	0.84	9	0.77	14	0.68	19	0.85
5	0.97	10	0.79	15	0.68	20	0.84

9/27/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	0.10	41	-1.77	61	-1.86
2	2.43	22	0.0	42	-1.40	62	-1.82
3	2.32	23	-0.08	43	-1.32	63	-1.95
4	2.22	24	-0.17	44	-1.34	64	-2.82
5	2.08	25	-0.23	45	-1.50	65	-2.77
6	2.06	26	-0.36	46	-2.00	66	-2.14
7	1.97	27	-0.36	47	-2.24	67	-2.13
8	1.85	28	-0.46	48	-2.32	68	-2.31
9	1.73	29	-0.54	49	-1.66	69	-2.54
10	1.53	30	-0.72	50	-1.76	70	-3.00
11	1.38	31	-1.05	51	-1.61	71	-3.54
12	1.23	32	-0.60	52	-1.65	72	-3.82
13	1.07	33	-0.64	53	-1.70	73	-3.37
14	0.92	34	-0.70	54	-1.80	74	-3.00
15	0.77	35	-0.80	55	-1.91	75	-2.93
16	0.64	36	-0.89	56	-2.52	76	-3.00
17	0.54	37	-0.90	57	-2.63	77	-3.07
18	0.42	38	-1.24	58	-2.56	78	-3.34
19	0.33	39	-1.50	59	-2.43	79	-3.43
20	0.25	40	-1.76	60	-2.43	80	-3.80

1	0.11	6	0.17	11	0.08	16	0.09
2	0.07	7	0.20	12	0.07	17	0.18
3	0.08	8	0.22	13	0.10	18	0.11
4	0.13	9	0.18	14	0.09	19	0.14
5	0.15	10	0.13	15	0.12	20	0.12

10/ 4/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.57	21	-0.02	41	-2.47	61	-1.50
2	2.46	22	-0.07	42	-1.83	62	-1.72
3	2.34	23	-0.18	43	-1.84	63	-2.01
4	2.25	24	-0.35	44	-1.89	64	-2.50
5	2.11	25	-0.34	45	-1.80	65	-2.25
6	2.09	26	-0.39	46	-1.82	66	-2.04
7	1.98	27	-0.37	47	-2.04	67	-2.15
8	1.86	28	-0.30	48	-2.68	68	-2.28
9	1.72	29	-0.31	49	-2.09	69	-2.42
10	1.58	30	-0.40	50	-1.17	70	-2.60
11	1.46	31	-0.71	51	-0.97	71	-2.98
12	1.32	32	-0.55	52	-0.82	72	-3.42
13	1.19	33	-0.66	53	-0.83	73	-3.12
14	1.05	34	-0.75	54	-0.91	74	-2.74
15	0.85	35	-0.96	55	-1.46	75	-2.79
16	0.76	36	-0.96	56	-1.70	76	-2.96
17	0.58	37	-1.16	57	-1.49	77	-2.97
18	0.42	38	-1.17	58	-1.26	78	-3.24
19	0.29	39	-1.58	59	-1.28	79	-3.43
20	0.18	40	-2.16	60	-1.38	80	-3.74

1	0.01	6	0.14	11	-0.01	16	0.19
2	0.06	7	0.14	12	0.01	17	0.20
3	0.09	8	0.12	13	0.06	18	0.25
4	0.12	9	0.14	14	0.11	19	0.20
5	0.16	10	0.13	15	0.15	20	0.21

10/11/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.50	21	0.01	41	-1.97	61	-2.64
2	2.41	22	-0.12	42	-1.90	62	-3.00
3	2.36	23	-0.12	43	-1.61	63	-3.10
4	2.27	24	-0.10	44	-1.73	64	-3.72
5	2.15	25	-0.80	45	-2.10	65	-3.52
6	2.01	26	-0.42	46	-2.08	66	-3.69
7	1.86	27	-0.60	47	-2.40	67	-3.20
8	1.64	28	-0.59	48	-3.05	68	-3.30
9	1.49	29	-0.73	49	-2.90	69	-3.10
10	1.36	30	-0.85	50	-2.27	70	-3.30
11	1.22	31	-1.23	51	-2.14	71	-3.30
12	1.09	32	-1.07	52	-2.03	72	-4.40
13	0.97	33	-1.01	53	-2.15	73	-4.03
14	0.85	34	-1.06	54	-2.02	74	-3.90
15	0.70	35	-1.00	55	-2.26	75	-4.10
16	0.60	36	-1.02	56	-3.16	76	-3.70
17	0.20	37	-1.08	57	-2.99	77	-3.45
18	0.40	38	-1.13	58	-2.74	78	-3.30
19	0.25	39	-1.60	59	-2.34	79	-3.30
20	0.17	40	-1.84	60	-2.50	80	-4.35

1	0.02	6	0.12	11	-0.01	16	0.16
2	0.05	7	0.14	12	0.01	17	0.11
3	0.08	8	0.18	13	0.01	18	0.23
4	0.11	9	0.19	14	0.08	19	0.16
5	0.14	10	0.21	15	0.12	20	0.07

10/18/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.62	21	-0.17	41	-2.72	61	-2.66
2	2.46	22	-0.04	42	-1.89	62	-3.30
3	2.31	23	-0.13	43	-1.46	63	-3.46
4	2.13	24	-0.16	44	-1.50	64	-4.40
5	1.96	25	-0.34	45	-1.60	65	-4.54
6	1.85	26	-0.38	46	-2.67	66	-4.02
7	1.71	27	-0.42	47	-2.20	67	-3.56
8	1.52	28	-0.57	48	-2.98	68	-3.50
9	1.41	29	-0.54	49	-2.59	69	-3.50
10	1.27	30	-0.98	50	-2.21	70	-3.86
11	1.12	31	-1.32	51	-2.10	71	-3.91
12	0.95	32	-1.13	52	-1.78	72	-4.58
13	0.83	33	-0.82	53	-1.65	73	-4.65
14	0.68	34	-0.84	54	-1.51	74	-4.14
15	0.46	35	-1.00	55	-1.79	75	-3.60
16	0.49	36	-1.24	56	-2.89	76	-3.39
17	0.36	37	-1.20	57	-2.38	77	-3.34
18	0.28	38	-1.21	58	-2.40	78	-3.56
19	0.20	39	-1.43	59	-2.27	79	-4.37
20	0.14	40	-1.84	60	-2.34	80	-4.60

1	0.50	6	0.45	11	0.51	16	0.51
2	0.54	7	0.51	12	0.56	17	0.50
3	0.58	8	0.53	13	0.61	18	0.51
4	0.56	9	0.58	14	0.61	19	0.47
5	0.51	10	0.57	15	0.52	20	0.52

10/25/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.21	41	-2.37	61	-2.11
2	2.46	22	0.12	42	-2.32	62	-2.60
3	2.31	23	0.10	43	-2.30	63	-3.29
4	2.15	24	0.02	44	-2.48	64	-4.20
5	2.01	25	-0.06	45	-2.62	65	-3.68
6	1.89	26	-0.15	46	-2.70	66	-3.35
7	1.77	27	-0.28	47	-2.61	67	-3.34
8	1.66	28	-0.45	48	-3.10	68	-3.37
9	1.52	29	-0.52	49	-3.11	69	-3.48
10	1.40	30	-0.61	50	-2.98	70	-3.57
11	1.25	31	-0.90	51	-3.06	71	-4.22
12	1.12	32	-0.68	52	-2.91	72	-4.52
13	1.00	33	-0.79	53	-2.16	73	-4.70
14	0.89	34	-0.95	54	-1.94	74	-3.88
15	0.81	35	-1.21	55	-1.90	75	-3.61
16	0.70	36	-1.40	56	-2.77	76	-3.53
17	0.64	37	-1.48	57	-2.25	77	-3.45
18	0.55	38	-1.51	58	-1.78	78	-3.36
19	0.48	39	-1.52	59	-1.78	79	-3.90
20	0.39	40	-2.22	60	-1.97	80	-3.95

1	0.23	6	0.20	11	0.23	16	0.14
2	0.21	7	0.05	12	0.23	17	0.07
3	0.16	8	0.00	13	0.20	18	0.08
4	0.24	9	-0.02	14	0.14	19	0.08
5	0.25	10	-0.01	15	0.13	20	0.09

11/ 1/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.55	21	0.50	41	-2.63	61	-2.81
2	2.39	22	0.21	42	-2.34	62	-2.98
3	2.23	23	-0.04	43	-2.20	63	-3.20
4	2.11	24	-0.21	44	-2.13	64	-3.65
5	1.96	25	-0.50	45	-2.18	65	-3.44
6	1.86	26	-0.53	46	-2.40	66	-3.34
7	1.75	27	-0.70	47	-2.70	67	-3.39
8	1.64	28	-0.82	48	-3.00	68	-3.55
9	1.52	29	-1.17	49	-2.80	69	-3.70
10	1.40	30	-1.45	50	-2.10	70	-3.96
11	1.33	31	-1.68	51	-1.92	71	-4.28
12	1.27	32	-1.36	52	-1.80	72	-3.50
13	1.18	33	-1.31	53	-1.95	73	-4.00
14	1.10	34	-1.50	54	-2.09	74	-3.73
15	1.03	35	-1.63	55	-2.22	75	-3.54
16	1.08	36	-1.69	56	-2.62	76	-3.54
17	1.14	37	-1.46	57	-2.25	77	-3.47
18	1.20	38	-1.44	58	-1.99	78	-3.46
19	1.20	39	-2.34	59	-2.32	79	-3.20
20	0.86	40	-2.37	60	-2.56	80	-3.16

1	0.43	6	0.40	11	0.46	16	0.38
2	0.43	7	0.40	12	0.44	17	0.41
3	0.44	8	0.36	13	0.47	18	0.45
4	0.43	9	0.20	14	0.43	19	0.43
5	0.41	10	0.18	15	0.38	20	0.40

11/ 8/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.28	41	-2.83	61	-2.73
2	2.45	22	0.24	42	-2.16	62	-2.88
3	2.28	23	0.17	43	-1.94	63	-3.16
4	2.14	24	0.0	44	-2.05	64	-3.53
5	1.99	25	-0.12	45	-2.14	65	-3.42
6	1.86	26	-0.31	46	-2.27	66	-3.44
7	1.80	27	-0.45	47	-2.56	67	-3.42
8	1.64	28	-0.46	48	-2.87	68	-3.55
9	1.52	29	-0.56	49	-2.10	69	-3.61
10	1.43	30	-0.84	50	-1.76	70	-3.74
11	1.35	31	-2.12	51	-1.90	71	-3.96
12	1.32	32	-0.83	52	-2.02	72	-3.25
13	1.28	33	-1.11	53	-2.17	73	-3.66
14	1.24	34	-1.20	54	-2.54	74	-3.50
15	1.13	35	-1.31	55	-2.61	75	-3.43
16	0.99	36	-1.41	56	-2.77	76	-3.44
17	0.85	37	-1.44	57	-2.48	77	-3.27
18	0.70	38	-1.60	58	-2.18	78	-2.69
19	0.55	39	-1.82	59	-2.38	79	-2.61
20	0.46	40	-2.30	60	-2.45	80	-2.96

1	0.25	6	0.35	11	0.29	16	0.27
2	0.28	7	0.27	12	0.33	17	0.28
3	0.34	8	0.23	13	0.31	18	0.26
4	0.44	9	0.26	14	0.30	19	0.23
5	0.43	10	0.35	15	0.29	20	0.21

11/15/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.64	21	0.31	41	-2.38	61	-2.91
2	2.47	22	0.14	42	-1.70	62	-2.98
3	2.29	23	-0.07	43	-1.40	63	-3.40
4	2.13	24	-0.12	44	-1.58	64	-3.58
5	1.97	25	-0.45	45	-1.90	65	-3.58
6	1.84	26	-0.51	46	-2.00	66	-3.40
7	1.76	27	-0.51	47	-2.22	67	-3.41
8	1.62	28	-0.60	48	-2.72	68	-3.61
9	1.51	29	-1.20	49	-2.20	69	-3.70
10	1.41	30	-1.32	50	-2.07	70	-3.80
11	1.37	31	-1.65	51	-2.30	71	-3.95
12	1.37	32	-1.20	52	-2.66	72	-4.05
13	1.37	33	-1.16	53	-2.75	73	-3.61
14	1.35	34	-1.19	54	-2.50	74	-3.45
15	1.25	35	-1.23	55	-2.74	75	-3.14
16	1.08	36	-1.42	56	-2.94	76	-2.80
17	0.89	37	-1.43	57	-2.56	77	-2.66
18	0.70	38	-1.48	58	-2.38	78	-2.52
19	0.53	39	-1.70	59	-2.70	79	-2.50
20	0.41	40	-1.70	60	-2.76	80	-2.63

1	0.21	6	0.33	11	0.24	16	0.28
2	0.26	7	0.32	12	0.24	17	0.31
3	0.28	8	0.30	13	0.24	18	0.30
4	0.25	9	0.19	14	0.28	19	0.32
5	0.31	10	0.20	15	0.29	20	0.31

11/22/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.58	21	-0.35	41	-2.30	61	-3.38
2	2.45	22	-0.05	42	-1.80	62	-3.60
3	2.27	23	-0.14	43	-1.66	63	-4.30
4	2.14	24	-0.24	44	-1.45	64	-4.34
5	2.01	25	-0.34	45	-1.33	65	-4.26
6	1.91	26	-0.47	46	-1.34	66	-3.95
7	1.81	27	-0.50	47	-1.60	67	-3.78
8	1.65	28	-0.75	48	-1.93	68	-4.00
9	1.53	29	-0.90	49	-1.50	69	-4.44
10	1.39	30	-1.14	50	-1.40	70	-4.40
11	1.25	31	-1.78	51	-1.34	71	-4.34
12	1.11	32	-1.80	52	-1.78	72	-4.42
13	0.97	33	-1.75	53	-1.75	73	-4.70
14	0.81	34	-1.60	54	-1.95	74	-4.08
15	0.65	35	-1.11	55	-2.65	75	-3.90
16	0.59	36	-1.18	56	-3.25	76	-3.71
17	0.46	37	-1.13	57	-3.15	77	-3.95
18	0.36	38	-1.12	58	-2.93	78	-4.15
19	0.26	39	-1.20	59	-3.10	79	-4.52
20	0.10	40	-1.66	60	-3.36	80	-4.64

1	0.64	6	0.56	11	0.58	16	0.56
2	0.75	7	0.54	12	0.56	17	0.58
3	0.81	8	0.54	13	0.53	18	0.56
4	0.74	9	0.55	14	0.51	19	0.49
5	0.62	10	0.54	15	0.53	20	0.48

11/29/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.04	41	-1.77	61	-3.24
2	2.40	22	-0.22	42	-1.33	62	-3.74
3	2.26	23	-0.60	43	-1.26	63	-3.97
4	2.13	24	-0.85	44	-1.21	64	-4.12
5	1.99	25	-0.96	45	-1.25	65	-3.87
6	1.89	26	-0.96	46	-1.45	66	-3.65
7	1.79	27	-1.02	47	-1.59	67	-3.70
8	1.66	28	-1.06	48	-1.76	68	-3.84
9	1.55	29	-1.14	49	-1.37	69	-4.14
10	1.42	30	-1.32	50	-1.37	70	-4.22
11	1.30	31	-1.62	51	-1.75	71	-4.25
12	1.16	32	-1.02	52	-1.80	72	-4.25
13	1.02	33	-1.10	53	-2.10	73	-4.04
14	0.90	34	-0.85	54	-2.44	74	-3.83
15	0.86	35	-0.82	55	-2.95	75	-3.80
16	0.91	36	-0.92	56	-3.18	76	-3.87
17	0.86	37	-0.98	57	-3.01	77	-4.00
18	0.66	38	-1.10	58	-2.87	78	-4.11
19	0.44	39	-1.26	59	-2.90	79	-4.17
20	0.25	40	-1.52	60	-3.00	80	-4.18

1	0.01	6	0.15	11	-0.09	16	0.13
2	0.11	7	0.14	12	-0.04	17	0.11
3	0.12	8	0.09	13	0.14	18	0.10
4	0.14	9	0.06	14	0.15	19	0.06
5	0.14	10	-0.03	15	0.16	20	0.10

12/ 6/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.72	21	-0.14	41	-1.95	61	-3.78
2	2.59	22	-0.15	42	-1.75	62	-3.90
3	2.39	23	-0.12	43	-1.46	63	-4.00
4	2.26	24	-0.41	44	-1.32	64	-4.25
5	2.13	25	-0.50	45	-1.30	65	-4.30
6	2.00	26	-0.85	46	-1.46	66	-3.98
7	1.91	27	-0.80	47	-1.47	67	-4.25
8	1.83	28	-0.81	48	-1.74	68	-4.30
9	1.71	29	-0.75	49	-1.60	69	-4.40
10	1.56	30	-0.76	50	-1.44	70	-4.40
11	1.30	31	-1.23	51	-1.65	71	-4.24
12	1.14	32	-1.31	52	-1.80	72	-4.40
13	0.96	33	-1.19	53	-2.16	73	-4.50
14	0.78	34	-1.20	54	-2.38	74	-4.12
15	0.62	35	-1.10	55	-3.28	75	-4.07
16	0.49	36	-1.00	56	-3.56	76	-4.24
17	0.40	37	-1.05	57	-3.29	77	-4.20
18	0.30	38	-1.07	58	-3.01	78	-4.25
19	0.14	39	-1.24	59	-3.27	79	-4.50
20	0.10	40	-1.55	60	-3.65	80	-4.55

1	0.55	6	0.51	11	0.47	16	0.62
2	0.61	7	0.58	12	0.52	17	0.59
3	0.61	8	0.60	13	0.54	18	0.55
4	0.53	9	0.65	14	0.58	19	0.52
5	0.51	10	0.72	15	0.67	20	0.46

12/13/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.56	21	0.03	41	-2.31	61	-3.91
2	2.43	22	-0.08	42	-1.90	62	-4.00
3	2.29	23	-0.09	43	-1.52	63	-4.15
4	2.16	24	-0.19	44	-1.50	64	-4.27
5	2.08	25	-0.34	45	-1.37	65	-4.30
6	1.90	26	-0.38	46	-1.38	66	-4.35
7	1.77	27	-0.60	47	-1.64	67	-4.28
8	1.60	28	-0.92	48	-2.09	68	-4.31
9	1.45	29	-0.90	49	-1.73	69	-4.27
10	1.33	30	-0.98	50	-1.47	70	-4.25
11	1.18	31	-1.40	51	-1.50	71	-4.40
12	1.03	32	-1.11	52	-1.59	72	-4.40
13	0.88	33	-1.03	53	-1.75	73	-4.73
14	0.74	34	-0.97	54	-2.13	74	-4.66
15	0.57	35	-1.01	55	-3.20	75	-4.46
16	0.50	36	-1.05	56	-3.55	76	-4.24
17	0.32	37	-1.19	57	-3.55	77	-4.16
18	0.26	38	-1.32	58	-3.30	78	-4.18
19	0.17	39	-1.32	59	-3.84	79	-4.20
20	0.15	40	-1.74	60	-3.86	80	-4.20

1	-0.02	6	0.01	11	-0.02	16	0.05
2	0.01	7	-0.06	12	-0.04	17	0.15
3	-0.01	8	-0.06	13	0.01	18	0.12
4	-0.02	9	0.01	14	-0.00	19	0.13
5	-0.01	10	0.04	15	-0.02	20	0.10

12/20/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.71	21	-0.11	41	-1.72	61	-3.73
2	2.54	22	-0.05	42	-1.31	62	-3.90
3	2.41	23	-0.10	43	-1.11	63	-3.92
4	2.28	24	-0.21	44	-1.06	64	-4.04
5	2.14	25	-0.24	45	-1.07	65	-4.23
6	2.06	26	-0.30	46	-1.26	66	-4.35
7	1.90	27	-0.38	47	-1.48	67	-4.38
8	1.73	28	-0.43	48	-1.23	68	-4.29
9	1.59	29	-0.52	49	-1.81	69	-4.26
10	1.40	30	-0.71	50	-1.70	70	-4.32
11	1.23	31	-1.40	51	-1.64	71	-4.30
12	1.06	32	-1.08	52	-1.68	72	-4.43
13	0.90	33	-0.74	53	-1.90	73	-4.58
14	0.68	34	-0.75	54	-2.34	74	-4.75
15	0.56	35	-0.75	55	-2.71	75	-4.30
16	0.49	36	-0.77	56	-3.74	76	-4.42
17	0.44	37	-0.80	57	-3.71	77	-4.48
18	0.33	38	-0.81	58	-3.76	78	-4.41
19	0.27	39	-1.02	59	-3.65	79	-4.43
20	0.15	40	-1.35	60	-3.72	80	-4.83

1	0.49	6	0.62	11	0.49	16	0.62
2	0.49	7	0.64	12	0.52	17	0.62
3	0.48	8	0.64	13	0.52	18	0.68
4	0.48	9	0.74	14	0.51	19	0.69
5	0.53	10	0.81	15	0.58	20	0.62

12/27/1984							
NO.	Z(M)	NO.	Z(M)	NO.	Z(M)	NO.	Z(M)
1	2.60	21	0.10	41	-2.40	61	-3.48
2	2.42	22	-0.07	42	-2.44	62	-3.90
3	2.27	23	-0.14	43	-2.11	63	-4.03
4	2.16	24	-0.25	44	-1.40	64	-4.19
5	2.05	25	-0.36	45	-1.23	65	-4.04
6	1.91	26	-0.47	46	-1.41	66	-4.15
7	1.77	27	-0.57	47	-1.55	67	-4.20
8	1.59	28	-0.61	48	-1.72	68	-4.23
9	1.45	29	-0.66	49	-1.28	69	-4.23
10	1.29	30	-0.70	50	-1.34	70	-4.32
11	1.14	31	-0.73	51	-1.41	71	-4.26
12	1.02	32	-0.71	52	-1.53	72	-4.51
13	0.88	33	-0.80	53	-1.64	73	-4.53
14	0.72	34	-0.87	54	-1.90	74	-4.67
15	0.63	35	-0.98	55	-2.14	75	-4.63
16	0.59	36	-1.10	56	-2.31	76	-4.64
17	0.60	37	-1.23	57	-2.28	77	-4.55
18	0.56	38	-1.35	58	-2.18	78	-4.57
19	0.44	39	-1.51	59	-2.30	79	-4.68
20	0.31	40	-1.82	60	-2.64	80	-4.70
1	0.03	6	0.04	11	-0.04	16	0.17
2	0.06	7	0.03	12	0.01	17	0.15
3	0.08	8	0.03	13	-0.02	18	0.15
4	0.07	9	0.03	14	-0.03	19	0.08
5	0.05	10	0.01	15	0.06	20	0.08

3.3 Summarized Data of Wave Directions

The following table summarize 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 July 10, 1975 and December 27, 1984 are summarized.

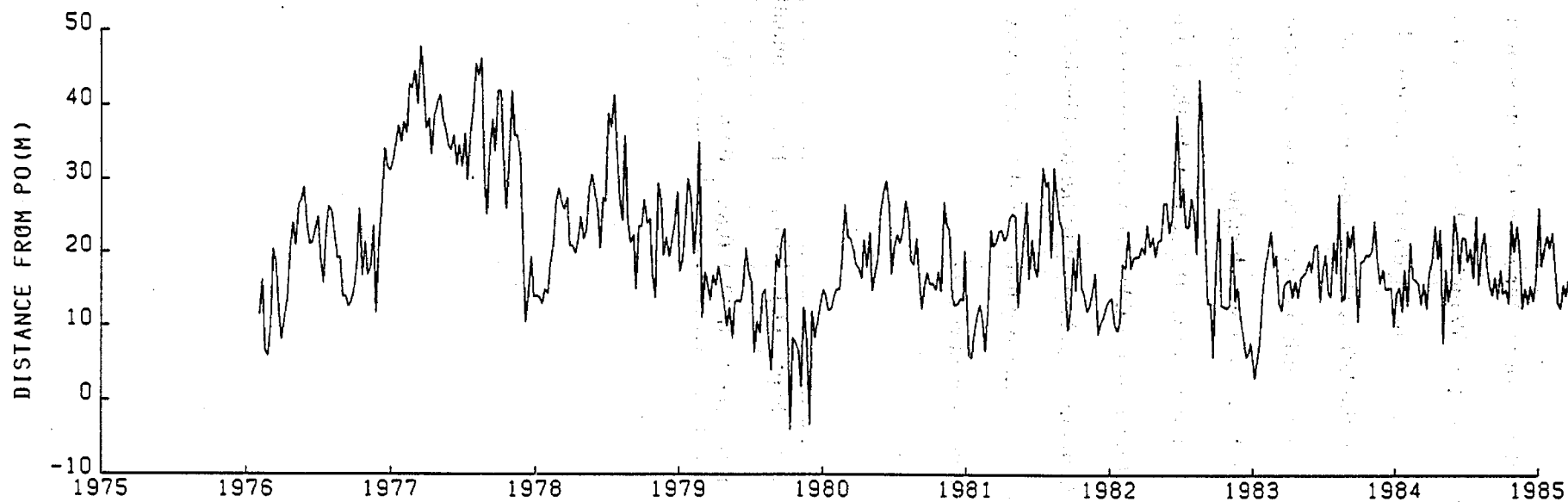
DATE	1975 THETA	DATE	1976 THETA	DATE	1977 THETA	DATE	1978 THETA	DATE	1979 THETA
7/10	17.0	1/ 1	24.0	1/ 6	9.5	1/ 5	-4.0	1/ 4	4.0
7/17	6.5	1/ 8	13.0	1/13	7.0	1/12	5.0	1/11	9.5
7/24	12.0	1/15	17.5	1/20	7.5	1/19	12.5	1/18	7.4
7/31	10.0	1/22	13.5	1/27	7.5	1/26	10.5	1/25	9.1
8/ 7	-8.0	1/29	11.0	2/ 3	12.5	2/ 2	3.0	2/ 1	2.5
8/14	-2.0	2/ 5	23.5	2/10	8.5	2/ 9	16.5	2/ 8	12.5
8/21	10.0	2/12	27.5	2/17	12.5	2/16	17.0	2/15	9.5
8/28	11.5	2/19	13.5	2/24	5.0	2/23	20.0	2/22	12.5
9/ 4	10.5	2/26	13.5	3/ 3	7.0	3/ 2	14.5	3/ 1	13.0
9/11	9.5	3/ 4	9.0	3/10	6.5	3/ 9	6.0	3/ 8	10.5
9/18	8.0	3/11	13.0	3/17	-10.0	3/16	13.0	3/15	16.5
9/25	17.5	3/18	1.5	3/24	-9.8	3/23	19.0	3/22	11.0
10/ 2	17.0	3/25	18.0	3/31	-9.5	3/30	18.5	3/29	8.0
10/ 9	12.5	3/31	16.5	4/ 7	13.5	4/ 6	8.0	4/ 5	19.0
10/16	14.0	4/ 8	12.5	4/14	-3.0	4/13	9.5	4/12	16.0
10/23	29.0	4/15	1.5	4/21	11.5	4/20	10.0	4/19	4.5
10/30	26.0	4/22	14.0	4/28	6.0	4/27	-12.5	4/26	15.0
11/ 6	27.0	4/29	6.0	5/ 5	-2.0	5/ 4	11.0	5/ 3	7.5
11/13	15.0	5/ 6	15.0	5/12	-10.0	5/11	7.0	5/10	-4.0
11/20	22.0	5/13	0.0	5/19	-7.5	5/18	-3.5	5/17	3.5
11/27	3.0	5/20	18.0	5/26	6.5	5/25	13.0	5/24	6.0
12/ 4	18.5	5/27	-3.5	6/ 2	8.5	6/ 1	1.5	5/31	-8.5
12/11	17.0	6/ 3	9.0	6/ 9	3.0	6/ 8	6.5	6/ 7	-2.5
12/18	9.0	6/10	-3.0	6/16	9.5	6/15	10.0	6/14	2.5
12/25	17.5	6/17	5.0	6/23	6.5	6/22	-14.5	6/21	-4.0
		6/24	11.0	6/30	2.0	6/29	3.5	6/28	-7.5
		7/ 1	21.0	7/ 7	-5.0	7/ 6	-6.0	7/ 5	-13.5
		7/ 8	3.5	7/14	-3.0	7/13	-9.0	7/12	-8.0
		7/15	5.0	7/21	-3.0	7/20	-3.5	7/19	-8.5
		7/22	11.0	7/28	10.0	7/27	9.5	7/26	-14.3
		7/29	4.5	8/ 4	-4.0	8/ 3	-10.0	8/ 1	-13.0
		8/ 5	1.0	8/11	-1.5	8/10	-8.5	8/ 9	-10.5
		8/12	25.0	8/18	-6.0	8/17	9.5	8/16	-0.5
		8/19	12.0	8/25	3.5	8/24	-1.0	8/23	-5.0
		8/26	14.3	9/ 1	6.0	8/31	4.0	8/30	-3.0
		9/ 2	16.5	9/ 8	-8.0	9/ 7	-4.5	9/ 6	-5.0
		9/ 9	12.0	9/15	4.0	9/14	-3.5	9/13	3.5
		9/16	25.5	9/22	11.0	9/21	7.5	9/20	7.0
		9/23	5.5	9/29	-5.0	9/28	3.5	9/27	11.5
		9/30	25.5	10/ 6	-5.0	10/ 5	13.5	10/ 4	4.5
		10/ 7	10.0	10/13	3.5	10/12	6.5	10/11	-11.5
		10/14	18.5	10/20	17.0	10/19	16.0	10/18	-6.5
		10/21	7.0	10/27	4.0	10/26	4.5	10/24	6.0
		10/28	7.0	11/ 3	6.5	11/ 2	10.0	11/ 1	5.0
		11/ 4	2.0	11/10	9.5	11/ 9	6.0	11/ 8	13.0
		11/11	10.0	11/17	6.5	11/16	7.0	11/15	7.5
		11/18	3.5	11/24	9.0	11/23	6.5	11/22	-3.0
		11/25	4.5	12/ 1	12.0	11/30	17.0	11/30	3.5
		12/ 2	4.5	12/ 8	8.5	12/ 7	8.0	12/ 6	11.0
		12/ 9	5.0	12/15	15.5	12/14	7.5	12/13	10.0
		12/16	8.0	12/22	17.0	12/21	12.5	12/20	8.5
		12/23	16.5	12/29	15.5	12/28	13.0	12/27	6.0
		12/30	9.1						

DATE	1980 THETA	DATE	1981 THETA	DATE	1982 THETA	DATE	1983 THETA	DATE	1984 THETA
1/ 4	6.5	1/ 8	6.0	1/ 7	5.0	1/ 6	21.0	1/ 5	13.0
1/10	12.0	1/15	3.5	1/14	8.0	1/13	15.0	1/12	12.0
1/17	3.0	1/22	8.5	1/21	10.0	1/20	9.5	1/19	9.0
1/24	11.0	1/29	5.5	1/28	10.0	1/27	12.5	1/26	8.0
1/31	17.0	2/ 5	4.5	2/ 4	8.0	2/ 3	8.0	2/ 2	17.0
2/ 7	-8.5	2/12	5.0	2/11	10.0	2/10	9.0	2/ 9	12.0
2/14	14.0	2/19	6.5	2/18	10.0	2/17	8.0	2/16	8.0
2/21	18.5	2/26	4.0	2/25	10.0	2/24	4.3	2/23	6.0
2/28	6.0	3/ 5	10.0	3/ 4	6.0	3/ 3	4.0	3/ 1	9.0
3/ 6	14.0	3/12	6.5	3/11	5.0	3/10	9.0	3/ 8	10.0
3/13	13.5	3/19	4.0	3/18	7.0	3/17	9.0	3/15	9.0
3/20	17.0	3/26	8.0	3/25	10.0	3/24	8.5	3/22	9.0
3/27	-9.0	4/ 2	-7.0	4/ 1	8.0	3/31	10.0	3/29	6.0
4/ 3	8.5	4/ 9	-6.0	4/ 8	7.0	4/ 7	10.0	4/ 5	-6.0
4/10	9.0	4/16	4.0	4/15	7.0	4/14	10.0	4/12	9.0
4/17	5.5	4/23	5.0	4/22	7.0	4/21	12.0	4/19	10.5
4/24	-6.0	4/30	-10.0	4/29	6.0	4/28	10.0	4/26	5.0
5/ 1	-6.0	5/ 7	7.0	5/ 6	-5.0	5/ 5	-5.0	5/ 3	9.0
5/ 8	6.0	5/14	-7.5	5/13	4.0	5/12	9.0	5/10	-4.0
5/15	-6.5	5/21	-3.0	5/20	-3.0	5/19	9.5	5/17	9.0
5/22	-2.0	5/28	-4.0	5/27	-4.0	5/26	13.5	5/24	7.0
5/29	-6.0	6/ 4	-4.0	6/ 3	-6.0	6/ 2	-2.0	5/31	4.8
6/ 5	-6.5	6/11	-6.0	6/10	-8.0	6/ 9	13.0	6/ 7	2.5
6/12	-4.0	6/18	-4.0	6/17	-8.0	6/16	13.0	6/14	8.0
6/19	-4.0	6/25	-4.0	6/24	-8.0	6/23	17.0	6/21	8.0
6/26	-4.0	7/ 2	-4.5	7/ 1	-5.0	6/30	-2.5	6/28	7.0
7/ 3	-4.0	7/ 9	-6.5	7/ 8	-8.0	7/ 7	14.0	7/ 5	6.0
7/10	-4.0	7/16	-7.3	7/15	-9.0	7/14	5.0	7/12	5.0
7/17	-4.0	7/23	-8.0	7/22	-7.0	7/21	-8.0	7/19	3.0
7/24	-6.5	7/30	-5.0	7/29	-7.0	7/28	-6.0	7/26	4.0
7/31	-5.0	8/ 6	-4.0	8/ 5	10.0	8/ 4	11.0	8/ 2	9.0
8/ 7	-5.0	8/13	-4.0	8/12	10.0	8/11	-8.0	8/ 9	5.5
8/14	-3.0	8/20	-5.0	8/19	8.0	8/18	10.5	8/16	9.0
8/21	-5.5	8/27	-3.0	8/26	9.0	8/25	7.0	8/23	5.0
8/28	-5.5	9/ 3	3.0	9/ 2	7.0	9/ 1	4.0	8/30	25.0
9/ 4	-5.5	9/10	5.0	9/ 9	8.0	9/ 8	11.0	9/ 6	22.0
9/11	-5.0	9/17	4.0	9/16	9.0	9/15	10.0	9/13	7.0
9/18	3.5	9/24	-6.0	9/23	10.0	9/22	9.0	9/20	9.5
9/25	-5.0	10/ 1	-6.0	9/30	10.0	9/29	17.0	9/27	8.5
10/ 2	5.0	10/ 8	3.0	10/ 7	9.0	10/ 6	13.0	10/ 4	5.0
10/ 9	7.0	10/15	6.0	10/14	14.0	10/13	4.0	10/11	17.5
10/16	7.5	10/22	6.0	10/21	13.0	10/20	14.0	10/18	17.5
10/23	6.0	10/29	5.5	10/28	11.0	10/27	3.0	10/25	6.5
10/30	10.0	11/ 5	5.0	11/ 4	9.0	11/ 3	4.0	11/ 1	21.5
11/ 6	9.5	11/12	6.0	11/11	9.0	11/10	9.5	11/ 8	5.0
11/13	5.0	11/19	10.0	11/18	10.0	11/17	6.0	11/15	10.0
11/20	9.0	11/26	8.0	11/25	10.0	11/24	11.5	11/22	16.5
11/27	6.0	12/ 3	11.0	12/ 2	9.0	12/ 1	12.0	11/29	8.5
12/ 4	5.5	12/10	-8.0	12/ 9	8.5	12/ 8	10.0	12/ 6	15.5
12/11	5.5	12/17	8.0	12/16	10.0	12/15	5.0	12/13	10.0
12/18	4.5	12/24	10.0	12/23	9.0	12/22	5.0	12/20	9.0
12/26	7.5	12/29	10.0	12/28	16.0	12/29	11.0	12/27	5.0
12/29	5.0								

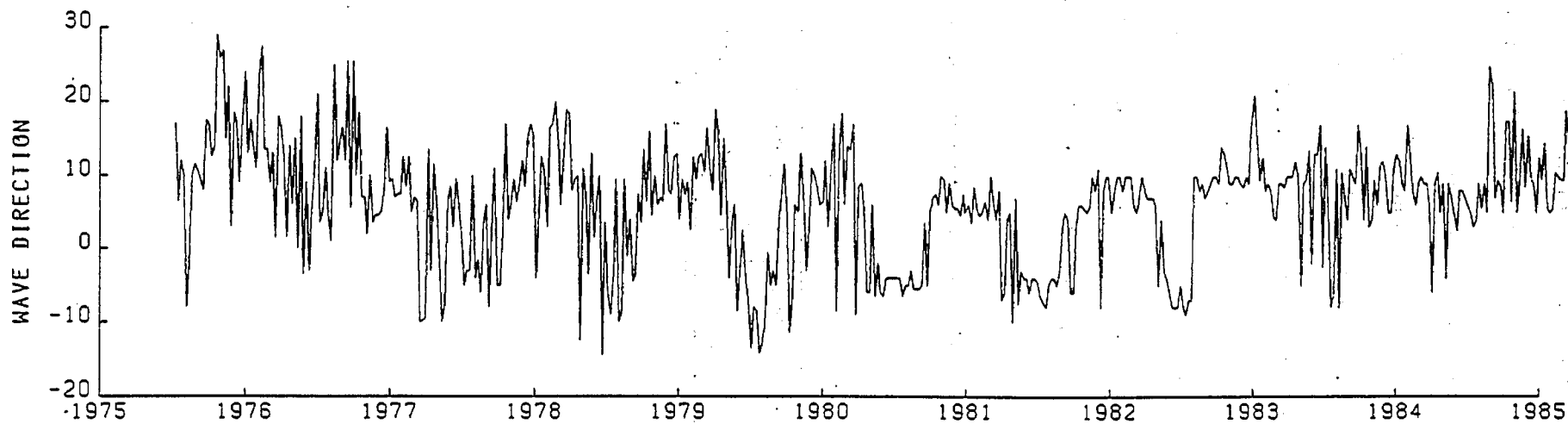
3.4 Long-term Change of Shoreline Position and Wave Direction

The shoreline position was calculated from the beach profiles described in Chapter 3.2, and its change with time is shown in the following figure. Here, the shoreline position is defined by the position, where the elevation of the beach is equal to the mean sea water level. The ordinate of the figure on 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 position can be seen, although there is a considerably large variations. In summer the shoreline advances and retreats in winter.

The change of wave direction is also shown in the following figure. There is a fairly large variations in wave direction, but it is known in a long-term that 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 it becomes northeastern wave incidence.



SHORELINE CHANGE



CHANGE OF WAVE DIRECTION

3.5 Summarized Data of Wave Observations

The results of the wave observations from April 1 to December 31 in 1984 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 righthand side (south side) of the pier is denoted as No. 1 gauge, and the other on the left as No. 2 gauge. In the tables the waveheights and periods of the maximum wave, the one-tenth highest wave, the significant wave and the mean wave measured every two hours are shown. The waveheights were calculated from the digitalized data of 10 minutes long by the sampling interval 0.2 second. In the figure the time when the maximum height was measured is also written. Table 2 shows the ratio of the period when the wave data were obtained every two hours in a regular way to the total period of the month. The ratio in April is relatively low, because of the beginning of the regular wave observation. The average ratio in the total period of the year becomes 0.77.

Table 2

Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
—	—	—	0.48	0.77	0.90	0.70	0.91	0.69	0.72	0.88	0.86	0.77

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12	181	4.8	149	7.3	126	6.8	81	5.1
14								
16								
18								
20								
22								
TOTAL	181	4.8	149	7.3	126	6.8	81	5.1
MEAN	181	4.8	149	7.3	126	6.8	81	5.1
MAX	181	4.8	149	7.3	126	6.8	81	5.1
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12	177	7.8	151	7.5	126	6.8	82	5.1
14								
16								
18								
20								
22								
TOTAL	177	7.8	151	7.5	126	6.8	82	5.1
MEAN	177	7.8	151	7.5	126	6.8	82	5.1
MAX	177	7.8	151	7.5	126	6.8	82	5.1
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6	229	4.5	176	7.7	140	7.4	84	5.2
8								
10	188	6.3	148	8.0	118	6.7	74	4.8
12	205	5.1	154	6.2	123	5.7	76	4.3
14	231	7.7	192	6.9	157	6.5	98	5.0
16	246	3.4	198	6.6	162	6.4	99	4.8
18	239	8.4	182	7.1	150	7.1	92	5.2
20	254	5.4	179	6.4	141	6.7	85	4.7
22	197	6.4	153	7.0	128	6.9	83	5.4
TOTAL	1789	47.2	1382	55.9	1119	53.4	691	39.4
MEAN	224	5.9	173	7.0	140	6.7	86	4.9
MAX	254	5.4	198	6.6	162	6.4	99	4.8
(TIME)	20 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6	218	9.0	172	8.6	139	7.4	85	5.2
8								
10	192	8.7	160	7.2	126	6.3	78	4.8
12	187	4.8	153	5.8	128	6.1	81	4.6
14	252	9.8	192	7.0	159	6.8	101	5.1
16	243	4.9	204	6.2	167	6.0	104	4.9
18	211	9.0	184	7.3	155	6.9	98	5.3
20	244	5.3	171	6.3	141	6.8	87	5.1
22	184	7.1	153	6.9	127	6.9	81	5.2
TOTAL	1731	58.6	1389	55.3	1142	53.2	715	40.2
MEAN	216	7.3	174	6.9	143	6.6	89	5.0
MAX	252	9.8	204	6.2	167	6.0	104	4.9
(TIME)	14 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/ 3/1984 HMEAN (CM)	TMEAN (SEC)
0	213	4.6	157	7.4	128	6.9	82	5.2
2	198	7.5	175	8.9	145	8.3	94	6.1
4	245	8.1	188	9.0	156	8.6	97	6.3
6	221	6.2	190	8.4	154	8.4	92	6.1
8	201	7.9	167	7.6	142	7.8	93	6.0
10	209	6.7	180	8.3	148	7.7	94	5.9
12	157	9.0	145	7.3	128	8.2	85	6.3
14	242	10.5	182	9.1	149	8.4	94	6.3
16	218	10.3	200	10.2	172	9.5	108	6.8
18	233	10.0	186	7.7	158	8.9	98	6.8
20	186	7.8	169	8.8	143	9.0	93	6.9
22	199	10.5	159	9.8	133	9.3	84	7.1
TOTAL	2522	99.1	2098	102.5	1756	101.0	1114	75.8
MEAN	210	8.3	175	8.5	146	8.4	93	6.3
MAX	245	8.1	200	10.2	172	9.5	108	6.8
(TIME)	4 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/ 3/1984 HMEAN (CM)	TMEAN (SEC)
0	209	6.0	171	7.5	134	7.0	85	5.4
2	216	9.8	175	9.1	148	8.1	98	6.3
4	225	9.2	190	9.0	158	8.7	100	6.7
6	239	8.6	185	8.3	151	8.6	94	6.3
8	178	5.5	154	8.3	136	7.7	91	6.2
10	223	3.7	182	7.9	152	8.0	97	6.0
12	177	7.8	151	8.6	127	7.9	81	5.8
14	216	9.2	183	8.9	151	9.0	98	6.8
16	221	10.6	193	10.1	167	9.3	110	7.1
18	216	10.1	175	9.0	152	9.3	98	7.1
20	185	10.4	164	10.0	144	9.4	95	7.1
22	199	10.3	154	10.0	130	9.0	79	6.8
TOTAL	2504	101.2	2077	106.7	1750	102.0	1126	77.6
MEAN	209	8.4	173	8.9	146	8.5	94	6.5
MAX	239	8.6	193	10.1	167	9.3	110	7.1
(TIME)	6 : 00		16 : 00		16 : 00		16 : 00	

NO.1	4/ 4/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	164	10.5	143	9.2	123	8.8	76	6.7
2	157	9.3	133	9.1	110	8.9	70	7.0
4	173	9.2	136	9.5	109	8.8	60	6.4
6	149	9.6	131	8.6	103	9.1	61	6.6
8	153	9.5	135	9.6	105	9.6	63	6.8
10	160	9.2	119	9.7	94	8.9	54	6.0
12	147	10.2	122	9.6	100	8.9	58	5.7
14	172	11.8	129	10.0	105	9.4	62	6.4
16	150	8.4	125	9.7	102	9.7	58	6.6
18	196	1.0	123	8.3	89	8.8	53	6.9
20	123	9.4	106	9.4	83	9.1	45	6.0
22	146	8.8	127	9.4	99	8.8	55	6.0
TOTAL	1890	106.9	1529	112.1	1222	108.8	715	77.1
MEAN	158	8.9	127	9.3	102	9.1	60	6.4
MAX	196	1.0	143	9.2	123	8.8	76	6.7
(TIME)	18 : 00		0 : 00		0 : 00		0 : 00	

NO.2	4/ 4/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	163	9.1	143	9.7	121	9.1	75	6.5
2	156	9.2	133	8.9	107	8.9	69	7.1
4	185	9.3	136	9.6	109	8.9	60	6.4
6	151	9.6	137	8.4	110	9.2	70	7.6
8	149	9.0	137	9.3	110	9.8	68	7.5
10	155	10.2	116	9.7	93	8.6	54	6.0
12	137	11.0	123	9.6	102	9.0	60	6.2
14	143	9.0	132	10.1	105	9.6	64	6.8
16	150	8.7	121	10.1	99	9.6	59	6.8
18	157	9.8	117	9.7	87	9.3	53	7.6
20	123	9.3	105	9.3	87	9.5	52	7.1
22	146	8.9	130	9.4	106	9.5	62	7.1
TOTAL	1815	113.1	1530	113.8	1236	111.0	746	82.7
MEAN	151	9.4	128	9.5	103	9.2	62	6.9
MAX	185	9.3	143	9.7	121	9.1	75	6.5
(TIME)	4 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	124	10.7	104	9.4	85	9.4	51	6.7
2	119	11.2	101	8.9	80	9.0	46	6.0
4	106	9.4	99	9.5	79	9.9	45	6.6
6	104	9.6	92	9.1	77	9.2	46	6.3
8	138	8.5	111	9.8	79	8.3	44	5.0
10	144	1.9	111	5.6	84	5.2	50	3.7
12	177	1.8	133	5.7	105	4.8	64	3.6
14	211	3.2	176	5.3	141	5.2	89	4.3
16	327	7.5	206	6.3	156	7.2	93	5.3
18	227	9.0	194	8.9	154	8.0	92	5.9
20	249	9.3	193	9.7	150	8.8	89	6.1
22								
TOTAL	1926	82.1	1520	88.2	1190	85.0	709	59.5
MEAN	175	7.5	138	8.0	108	7.7	65	5.4
MAX	327	7.5	206	6.3	156	7.2	93	5.3
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	129	10.5	102	9.3	84	9.0	50	6.7
2	114	10.7	103	8.9	84	9.0	54	7.5
4	109	10.3	99	9.3	83	9.7	51	7.9
6	102	8.5	93	9.8	78	9.5	49	7.2
8	140	8.5	110	9.3	79	8.0	44	5.0
10	144	12.3	104	6.8	82	6.0	50	3.9
12	158	7.4	123	5.6	99	5.2	61	3.8
14	225	5.3	174	6.0	137	6.6	84	4.6
16	288	8.0	195	7.4	147	7.4	91	5.3
18	225	9.4	195	8.3	156	8.0	91	5.8
20	213	9.2	186	10.0	150	9.0	89	6.1
22								
TOTAL	1847	100.1	1484	90.7	1179	87.4	714	63.8
MEAN	168	9.1	135	8.2	107	7.9	65	5.8
MAX	288	8.0	195	7.4	156	8.0	91	5.3
(TIME)	16 : 00		16 : 00		18 : 00		16 : 00	

TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	226	9.1	159	8.3	123	8.1	71	5.8
2	277	7.5	171	7.6	124	7.0	72	4.9
4	171	5.6	153	6.4	122	6.4	74	4.9
6	229	0.8	160	7.0	122	6.7	74	5.1
8	179	8.4	159	8.8	122	8.4	69	5.6
10	248	7.9	190	7.8	156	7.5	95	5.9
12	188	8.9	172	8.2	136	7.8	81	5.7
14	178	9.6	156	8.5	133	8.7	81	5.9
16	236	8.2	185	8.4	149	8.4	89	6.1
18	223	9.4	178	8.1	138	8.5	80	6.4
20	250	9.7	189	8.8	148	8.6	88	6.4
22	144	10.0	128	9.4	111	8.3	72	6.3
TOTAL	2549	95.1	2000	97.3	1584	94.4	946	69.0
MEAN	212	7.9	167	8.1	132	7.9	79	5.7
MAX	277	7.5	190	7.8	156	7.5	95	5.9
(TIME)	2 : 00		10 : 00		10 : 00		10 : 00	

TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	197	9.0	155	8.2	121	7.8	74	5.7
2	240	7.5	170	7.0	128	7.0	78	5.3
4	194	7.2	163	6.5	128	6.6	77	5.0
6	207	8.9	152	8.2	119	7.5	73	5.7
8	217	8.5	168	8.8	133	8.7	82	6.4
10	243	9.1	196	8.2	161	8.4	103	6.5
12	201	8.5	170	7.9	138	7.8	83	5.9
14	270	9.1	166	8.3	134	8.0	80	5.7
16	287	9.5	183	8.6	146	8.2	87	5.9
18	214	9.7	177	8.5	140	8.5	80	6.3
20	236	9.8	196	8.7	157	8.6	92	6.7
22	138	10.6	127	8.9	112	8.3	73	6.3
TOTAL	2644	107.4	2023	97.8	1617	95.4	982	71.4
MEAN	220	8.9	169	8.1	135	7.9	82	5.9
MAX	287	9.5	196	8.2	161	8.4	103	6.5
(TIME)	16 : 00		10 : 00		10 : 00		10 : 00	

4/ 7/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	150	7.7	129	7.9	110	7.9	67	5.9
2	171	8.7	141	8.7	116	8.8	68	6.3
4	268	8.9	194	9.4	144	9.1	89	6.6
6	197	6.1	153	8.8	118	8.3	65	5.2
8	177	11.1	152	9.5	122	8.6	71	5.8
10	200	12.3	149	7.7	125	8.1	73	5.5
12	248	9.4	177	8.4	140	8.8	84	6.2
14	235	9.8	164	8.1	127	8.0	72	5.7
16	173	7.3	141	8.7	112	8.2	65	5.2
18	200	9.8	160	10.3	124	9.0	70	5.8
20	220	10.2	184	10.1	136	9.0	74	5.9
22	185	9.0	169	9.7	132	9.2	75	6.4
TOTAL	2424	110.3	1913	107.3	1506	103.0	873	70.5
MEAN	202	9.2	159	8.9	126	8.6	73	5.9
MAX	268	8.9	194	9.4	144	9.1	89	6.6
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

4/ 8/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	226	9.6	169	10.2	133	9.3	77	6.3
2	206	10.9	178	10.6	139	9.7	78	6.5
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL	432	20.5	347	20.8	272	19.0	155	12.8
MEAN	216	10.3	174	10.4	136	9.5	78	6.4
MAX	226	9.6	178	10.6	139	9.7	78	6.5
(TIME)	0 : 00		2 : 00		2 : 00		2 : 00	

4/ 9/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

4/ 7/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	151	9.1	134	7.6	115	7.8	73	6.3
2	173	8.6	141	9.3	117	8.8	72	6.6
4	239	8.9	192	9.2	146	9.1	91	6.8
6	189	8.7	156	9.1	123	8.4	69	5.5
8	173	9.1	152	9.0	126	8.5	75	5.8
10	187	12.4	145	9.0	127	8.2	80	6.1
12	209	9.5	177	8.4	143	8.5	86	6.2
14	225	8.6	170	8.5	128	7.8	73	5.6
16	169	7.9	144	9.1	115	8.0	65	5.3
18	200	10.1	160	10.1	123	9.1	70	6.0
20	184	10.7	177	10.6	136	9.6	73	6.1
22	181	11.6	164	9.7	127	8.7	73	6.2
TOTAL	2280	115.2	1912	109.6	1526	102.5	900	72.5
MEAN	190	9.6	159	9.1	127	8.5	75	6.0
MAX	239	8.9	192	9.2	146	9.1	91	6.8
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

4/ 8/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	193	10.3	163	9.3	132	9.2	77	6.2
2	268	10.7	190	10.0	142	9.5	77	6.1
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL	461	21.0	353	19.3	274	18.7	154	12.3
MEAN	231	10.5	177	9.6	137	9.3	77	6.1
MAX	268	10.7	190	10.0	142	9.5	77	6.2
(TIME)	2 : 00		2 : 00		2 : 00		0 : 00	

4/ 9/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/10/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/11/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22	212	10.9	166	7.5	133	7.7	80	5.0
TOTAL	212	10.9	166	7.5	133	7.7	80	5.0
MEAN	212	10.9	166	7.5	133	7.7	80	5.0
MAX	212	10.9	166	7.5	133	7.7	80	5.0
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/12/1984 HMEAN TMEAN (CM) (SEC)	
0	272	9.8	165	7.3	129	6.8	79	4.8
2	213	5.7	148	8.9	114	7.6	68	5.3
4	167	8.5	144	7.8	114	7.2	67	4.8
6	148	8.9	133	9.3	110	7.8	64	5.0
8	177	6.0	143	8.4	117	7.8	67	5.3
10	179	7.0	146	7.2	115	7.8	75	5.7
12	176	8.3	156	8.1	125	7.3	71	5.0
14	181	8.2	151	8.1	120	8.1	72	5.6
16	200	10.1	159	7.5	133	8.3	78	5.9
18	206	11.0	159	7.9	131	7.6	79	5.6
20	196	7.3	153	8.6	134	8.2	84	5.7
22	163	6.5	140	8.2	118	8.1	70	5.8
TOTAL	2278	97.3	1797	97.3	1460	92.6	874	64.5
MEAN	190	8.1	150	8.1	122	7.7	73	5.4
MAX	272	9.8	165	7.3	134	8.2	84	5.7
(TIME)	0 : 00		0 : 00		20 : 00		20 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/10/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/11/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22	184	10.5	162	7.6	137	7.0	84	5.2
TOTAL	184	10.5	162	7.6	137	7.0	84	5.2
MEAN	184	10.5	162	7.6	137	7.0	84	5.2
MAX	184	10.5	162	7.6	137	7.0	84	5.2
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/12/1984 HMEAN TMEAN (CM) (SEC)	
0	187	8.7	161	7.5	131	6.7	81	5.0
2	236	5.6	153	8.5	118	8.1	68	5.2
4	196	10.2	150	7.3	118	7.5	68	4.9
6	166	10.2	129	8.8	111	7.7	71	5.7
8	159	6.2	138	8.4	114	8.0	70	5.7
10	188	7.4	141	7.4	114	7.9	76	5.7
12	174	6.5	160	8.1	128	7.4	73	5.1
14	212	7.8	156	8.0	120	8.1	71	5.5
16	201	5.8	161	8.3	136	8.7	81	5.9
18	166	8.1	151	8.4	129	7.7	77	5.6
20	191	7.4	162	7.6	133	8.4	84	6.1
22	143	11.6	136	9.5	117	9.0	73	6.3
TOTAL	2219	95.5	1798	97.8	1469	95.2	893	66.7
MEAN	185	8.0	150	8.1	122	7.9	74	5.6
MAX	236	5.6	162	7.6	136	8.7	84	6.1
(TIME)	2 : 00		20 : 00		16 : 00		20 : 00	

4/13/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	235	9.5	183	9.6	148	8.9	91	7.1
2	212	9.9	189	9.8	136	9.0	79	6.4
4	202	6.7	176	9.1	143	9.3	82	6.5
6	201	7.8	180	8.0	151	9.0	94	7.1
8	198	5.1	148	8.2	117	8.4	71	6.1
10	173	12.2	149	8.9	122	9.0	70	5.8
12	192	12.3	163	10.4	117	8.9	67	6.1
14								
16								
18	211	8.9	164	8.4	135	8.8	78	6.3
20	216	10.5	152	9.7	122	8.4	68	5.3
22	215	3.5	154	7.4	119	7.7	71	5.2
TOTAL	2055	86.4	1658	89.5	1310	87.4	771	61.9
MEAN	206	8.6	166	8.9	131	8.7	77	6.2
MAX	235	9.5	189	9.8	151	9.0	94	7.1
(TIME)	0 : 00		2 : 00		6 : 00		6 : 00	

4/13/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	256	8.0	190	9.7	149	9.4	91	7.1
2	207	9.9	187	9.7	137	8.8	82	6.7
4	213	6.4	175	8.9	145	9.3	84	6.8
6	201	7.5	177	7.8	147	8.8	93	7.2
8	185	5.9	146	8.5	113	8.2	69	6.0
10	167	8.3	141	10.4	118	8.9	68	5.5
12	174	10.5	160	10.1	116	9.1	65	6.0
14								
16								
18	185	8.9	167	9.1	136	9.2	80	6.3
20	211	10.5	159	8.6	129	8.1	75	5.4
22	177	9.1	149	9.3	126	8.4	78	6.1
TOTAL	1976	85.0	1651	92.1	1316	88.2	785	63.1
MEAN	198	8.5	165	9.2	132	8.8	79	6.3
MAX	256	8.0	190	9.7	149	9.4	93	7.2
(TIME)	0 : 00		0 : 00		0 : 00		6 : 00	

4/14/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	263	9.6	180	8.7	145	8.6	88	6.1
2	216	14.1	179	9.2	141	9.3	79	6.6
4	226	6.2	198	11.1	166	11.0	92	7.3
6	178	10.0	162	8.8	136	9.1	75	6.1
8								
10	187	15.2	161	7.6	135	7.4	79	5.8
12	223	7.1	196	8.1	160	8.3	88	6.5
14	292	6.1	208	8.9	175	8.8	105	6.6
16	215	14.1	203	9.4	167	8.4	97	6.4
18	218	9.2	181	9.1	142	8.4	84	5.7
20	200	7.0	155	7.6	129	7.1	74	5.3
22	167	7.6	141	6.9	111	6.9	62	4.7
TOTAL	2385	106.2	1964	95.4	1607	93.3	923	67.1
MEAN	217	9.7	179	8.7	146	8.5	84	6.1
MAX	292	6.1	208	8.9	175	8.8	105	6.6
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

4/14/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	256	9.9	167	9.2	140	8.9	89	6.6
2	199	8.1	177	8.8	147	9.8	84	7.1
4	236	7.1	203	11.4	168	10.3	101	8.0
6	197	3.9	161	8.2	135	8.8	81	6.6
8								
10	201	13.5	175	10.4	143	8.6	85	6.5
12	213	9.0	200	7.8	160	8.1	87	6.3
14	306	8.8	220	9.4	182	9.2	107	6.8
16	250	6.6	206	9.1	177	8.9	102	6.6
18	209	9.5	179	9.3	146	8.4	82	5.5
20	193	13.7	167	8.3	133	7.7	78	5.5
22	152	5.6	137	6.7	111	6.7	67	5.2
TOTAL	2412	95.7	1992	98.6	1642	95.4	963	70.7
MEAN	219	8.7	181	9.0	149	8.7	88	6.4
MAX	306	8.8	220	9.4	182	9.2	107	6.8
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

4/15/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	251	9.7	181	9.5	141	8.8	79	5.7
2	219	8.9	180	9.9	129	8.4	75	5.7
4	194	10.9	171	11.5	134	9.8	74	6.2
6	208	13.3	164	11.9	126	9.4	66	6.2
8	241	7.3	180	8.2	137	8.2	79	5.7
10								
12								
14								
16								
18								
20								
22								
TOTAL	1113	50.1	876	51.0	667	44.6	373	29.5
MEAN	223	10.0	175	10.2	133	8.9	75	5.9
MAX	251	9.7	181	9.5	141	8.8	79	5.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

4/15/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	211	9.9	168	8.6	137	8.9	78	5.9
2	240	9.0	187	9.4	134	8.8	78	6.1
4	213	10.5	176	10.7	134	9.7	76	6.3
6	207	13.6	175	12.6	134	10.4	72	6.8
8	221	6.0	174	8.6	135	8.5	79	6.2
10								
12								
14								
16								
18								
20								
22								
TOTAL	1092	49.0	880	49.9	674	46.3	383	31.3
MEAN	218	9.8	176	10.0	135	9.3	77	6.3
MAX	240	9.0	187	9.4	137	8.9	79	6.2
(TIME)	2 : 00		2 : 00		0 : 00		8 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/16/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4	147	10.2	127	9.9	101	9.1	56	5.3
6	199	12.5	157	9.4	117	8.6	68	5.7
8	199	8.3	151	8.9	120	8.7	71	5.7
10	141	10.5	128	9.2	101	8.6	58	5.7
12	149	8.4	137	9.0	114	8.3	68	6.1
14								
16	158	8.2	139	9.8	113	9.5	66	7.1
18	169	8.2	141	8.7	115	8.2	62	5.3
20	196	8.3	140	8.5	109	8.0	61	5.0
22	145	10.0	121	8.5	100	8.1	61	5.6
TOTAL	1503	84.6	1241	81.9	990	77.1	571	51.5
MEAN	167	9.4	138	9.1	110	8.6	63	5.7
MAX	199	12.5	157	9.4	120	8.7	71	5.7
(TIME)	6 : 00		6 : 00		8 : 00		8 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/16/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4	161	10.0	132	10.1	102	8.8	59	5.8
6	194	11.9	160	10.4	117	8.3	67	5.6
8	209	12.4	156	8.7	125	8.5	73	5.9
10	135	12.4	123	9.0	98	8.8	56	5.6
12	144	8.6	137	9.8	115	8.2	68	5.9
14								
16	171	8.4	148	10.0	113	9.8	64	7.0
18	161	11.4	144	8.8	118	8.5	68	5.6
20	173	8.9	141	9.0	110	8.6	62	5.5
22	153	10.3	123	8.3	101	7.9	61	5.5
TOTAL	1501	94.3	1264	84.1	999	77.4	578	52.4
MEAN	167	10.5	140	9.3	111	8.6	64	5.8
MAX	209	12.4	160	10.4	125	8.5	73	5.9
(TIME)	8 : 00		6 : 00		8 : 00		8 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/17/1984 HMEAN (CM)	TMEAN (SEC)
0	171	13.2	145	9.6	117	8.6	68	5.9
2	161	8.5	131	9.2	108	8.8	61	5.5
4	176	11.8	131	9.6	95	8.2	54	5.7
6	174	7.8	125	7.4	98	7.1	57	4.6
8	164	4.8	131	7.6	107	6.8	62	4.6
10	141	5.6	121	8.0	97	7.0	60	4.7
12	140	7.7	110	6.7	86	5.7	53	3.9
14	154	10.1	130	7.9	103	7.5	58	4.5
16	171	11.6	126	8.9	99	8.1	58	5.2
18	156	10.2	128	8.8	103	8.4	64	6.0
20								
22								
TOTAL	1608	91.3	1278	83.7	1013	76.2	595	50.6
MEAN	161	9.1	128	8.4	101	7.6	60	5.1
MAX	176	11.8	145	9.6	117	8.6	68	5.9
(TIME)	4 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/17/1984 HMEAN (CM)	TMEAN (SEC)
0	192	12.8	145	9.3	114	8.2	65	5.8
2	155	11.6	132	9.7	110	8.9	63	5.9
4	176	12.3	132	9.5	97	8.8	57	6.2
6	207	7.7	134	7.5	100	6.6	59	4.4
8	162	8.8	140	7.4	111	7.1	65	4.7
10	154	7.8	120	7.2	93	6.8	56	4.6
12	134	7.4	114	6.3	93	5.7	59	4.2
14	170	8.6	135	7.5	100	7.0	57	4.5
16	163	12.0	129	9.4	101	8.4	58	5.1
18	167	9.6	128	9.3	104	8.7	62	6.0
20								
22								
TOTAL	1680	98.6	1309	83.1	1023	76.2	601	51.4
MEAN	168	9.9	131	8.3	102	7.6	60	5.1
MAX	207	7.7	145	9.3	114	8.2	65	5.8
(TIME)	6 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/18/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/18/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	4/19/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20	283	7.1	206	6.4	169	5.8	108	4.7
22	255	5.4	205	5.4	162	5.3	104	4.5
TOTAL	538	12.5	411	11.8	331	11.1	212	9.2
MEAN	269	6.3	206	5.9	166	5.6	106	4.6
MAX	283	7.1	206	6.4	169	5.8	108	4.7
(TIME)	20 : 00		20 : 00		20 : 00		20 : 00	

NO.2 TIME	4/19/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20	236	5.9	204	6.1	169	5.9	110	4.9
22	249	7.6	215	6.4	168	6.2	106	4.8
TOTAL	485	13.5	419	12.5	337	12.1	216	9.7
MEAN	243	6.8	210	6.3	169	6.0	108	4.8
MAX	249	7.6	215	6.4	169	5.9	110	4.9
(TIME)	22 : 00		22 : 00		20 : 00		20 : 00	

TIME	4/20/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	204	6.3	171	5.6	144	6.3	93	4.8
2	218	4.4	186	6.3	158	6.6	101	5.2
4	258	6.3	220	7.3	176	7.0	111	5.4
6	309	7.4	224	7.8	181	7.0	109	5.2
8	251	7.3	199	7.9	159	7.1	99	5.6
10	244	5.1	200	6.6	153	7.1	90	5.3
12	176	11.5	151	7.0	120	6.9	70	4.5
14	201	9.7	160	7.2	130	6.9	79	4.8
16	178	8.8	158	7.5	136	7.2	85	5.3
18	285	11.7	226	9.4	171	8.5	96	6.0
20	263	9.8	203	8.7	160	8.3	92	5.9
22	438	2.0	271	8.2	199	8.3	116	5.7
TOTAL	3025	90.3	2369	89.5	1887	87.2	1141	63.7
MEAN	252	7.5	197	7.5	157	7.3	95	5.3
MAX	438	2.0	271	8.2	199	8.3	116	5.7
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	4/20/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	206	5.3	186	5.7	156	6.5	100	5.0
2	239	4.8	195	5.7	166	6.4	108	5.3
4	273	7.3	241	7.4	187	6.9	118	5.5
6	239	6.5	225	7.7	184	7.2	118	5.7
8	267	8.2	208	8.1	159	7.3	99	5.4
10	229	10.0	193	7.0	153	7.3	95	5.4
12	175	8.9	156	7.4	129	7.3	80	5.1
14	193	8.6	165	7.5	135	7.0	84	5.0
16	242	12.8	173	9.4	144	8.0	89	5.8
18	309	8.1	212	9.1	165	8.8	103	6.4
20	236	9.6	203	9.6	161	8.1	96	6.1
22	362	14.8	246	8.5	192	8.5	109	5.7
TOTAL	2970	104.9	2403	93.1	1931	89.3	1199	66.4
MEAN	248	8.7	200	7.8	161	7.4	100	5.5
MAX	362	14.8	246	8.5	192	8.5	118	5.5
(TIME)	22 : 00		22 : 00		22 : 00		4 : 00	

TIME	4/21/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	242	7.4	211	10.0	168	7.8	100	5.5
2	291	8.9	206	8.5	173	7.8	109	5.8
4	301	6.8	238	8.4	194	7.4	119	5.9
6	222	7.3	197	7.9	165	7.6	101	5.4
8	219	15.1	194	7.9	159	6.4	100	5.2
10	241	6.8	197	5.8	152	6.3	95	5.5
12	160	7.0	141	5.4	117	5.7	74	4.4
14	178	6.2	139	5.9	115	5.8	77	4.9
16	241	7.4	161	6.5	130	6.1	84	4.7
18	219	12.7	183	7.7	149	7.3	94	5.3
20	253	5.1	201	7.3	157	7.1	92	5.0
22	240	8.0	191	7.9	154	6.7	93	4.9
TOTAL	2807	98.7	2259	89.2	1833	82.0	1138	62.5
MEAN	234	8.2	188	7.4	153	6.8	95	5.2
MAX	301	6.8	238	8.4	194	7.4	119	5.9
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

TIME	4/21/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	238	13.2	211	9.8	175	8.4	110	5.9
2	263	6.8	211	6.9	178	7.0	112	5.7
4	287	14.9	243	9.9	193	7.8	119	6.0
6	249	8.9	207	8.7	173	7.6	115	6.1
8	263	6.0	205	7.1	161	6.5	100	5.4
10	210	6.5	182	5.9	145	5.8	88	5.1
12	167	6.7	146	6.0	119	5.5	76	4.4
14	167	13.1	146	6.9	119	6.5	78	4.9
16	283	7.6	178	7.1	140	6.8	95	5.5
18	233	6.3	184	6.8	152	7.4	97	5.5
20	241	9.2	198	7.4	159	7.2	101	5.5
22	214	9.1	192	8.2	161	7.5	103	5.6
TOTAL	2815	108.3	2303	90.7	1875	84.0	1194	65.6
MEAN	235	9.0	192	7.6	156	7.0	100	5.5
MAX	287	14.9	243	9.9	193	7.8	119	6.0
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

NO.1 TIME	4/22/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	224	8.8	198	7.3	162	7.1	97	5.1
2	273	10.4	197	7.2	162	7.1	104	5.4
4	229	7.1	192	7.7	169	8.2	105	5.7
6	252	6.7	210	8.3	166	7.5	104	5.5
8	261	13.0	216	8.8	176	7.8	107	5.3
10	222	6.7	187	7.3	151	6.9	98	5.8
12	225	13.3	179	6.8	138	6.7	91	5.3
14	199	5.3	151	5.5	120	6.1	77	4.8
16	207	5.7	167	6.6	135	6.1	89	4.9
18	196	6.8	165	6.0	136	6.6	87	5.0
20	234	8.0	192	8.2	160	7.7	107	5.9
22	206	6.4	186	7.0	161	7.4	99	5.5
TOTAL	2728	98.2	2240	86.7	1836	85.2	1165	64.2
MEAN	227	8.2	187	7.2	153	7.1	97	5.3
MAX	273	10.4	216	8.8	176	7.8	107	5.3
(TIME)	2 : 00		8 : 00		8 : 00		8 : 00	

NO.2 TIME	4/22/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	255	13.1	206	7.4	163	6.9	97	5.2
2	278	6.6	213	6.5	164	7.1	104	5.7
4	223	7.3	201	6.9	171	8.4	109	6.0
6	238	12.1	200	7.5	159	7.3	105	5.7
8	262	7.2	230	9.8	180	8.0	109	5.5
10	239	6.6	197	7.7	157	6.9	101	5.9
12	241	6.5	175	7.2	136	6.3	89	5.2
14	174	6.7	153	5.7	120	5.9	79	5.0
16	214	5.6	162	6.2	132	6.7	86	4.9
18	185	5.9	167	6.0	142	6.6	90	5.3
20	217	5.0	185	8.5	160	7.4	107	5.9
22	223	3.9	192	6.3	157	7.1	97	5.3
TOTAL	2749	86.5	2281	85.7	1841	84.6	1173	65.6
MEAN	229	7.2	190	7.1	153	7.0	98	5.5
MAX	278	6.6	230	9.8	180	8.0	109	6.0
(TIME)	2 : 00		8 : 00		8 : 00		4 : 00	

TIME	4/23/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	216	9.6	189	7.5	158	7.8	96	5.3
2	205	7.4	179	8.4	153	7.4	102	6.0
4	242	6.5	202	8.2	164	7.4	106	5.9
6	259	7.0	205	7.9	164	7.8	110	6.2
8	198	7.0	168	8.6	142	8.6	88	5.9
10	257	9.0	189	8.0	157	7.6	103	5.8
12	214	6.8	174	8.4	145	7.6	87	5.4
14								
16								
18								
20								
22								
TOTAL	1591	53.3	1306	57.0	1083	54.2	692	40.5
MEAN	227	7.6	187	8.1	155	7.7	99	5.8
MAX	259	7.0	205	7.9	164	7.4	110	6.2
(TIME)	6 : 00		6 : 00		4 : 00		6 : 00	

TIME	4/23/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	228	12.3	189	8.6	157	7.7	105	6.0
2	221	10.9	179	9.1	149	7.6	101	6.0
4	266	5.8	208	6.9	161	7.1	100	5.6
6	230	7.0	193	7.7	160	8.1	108	6.4
8	216	8.3	176	9.1	143	8.9	92	6.2
10	207	12.9	194	8.3	160	7.6	105	5.9
12	192	11.7	169	8.9	143	7.9	90	5.6
14								
16								
18								
20								
22								
TOTAL	1560	68.9	1308	58.6	1073	54.9	701	41.7
MEAN	223	9.8	187	8.4	153	7.8	100	6.0
MAX	266	5.8	208	6.9	161	7.1	108	6.4
(TIME)	4 : 00		4 : 00		4 : 00		6 : 00	

TIME	4/24/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	4/24/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/25/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/26/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/27/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/25/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/26/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	4/27/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	4/28/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	4/29/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	4/30/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	4/28/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	4/29/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	4/30/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00	0 : 00

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0								
2	161	8.0	135	7.2	108	7.2	65	4.9
4	199	6.4	138	7.2	105	7.0	65	5.0
6	159	7.3	132	7.3	111	7.2	69	5.2
8	189	5.1	156	6.9	124	6.8	77	4.7
10	166	6.9	127	6.7	102	5.8	63	4.1
12	146	6.2	129	7.8	103	6.4	70	4.5
14	216	7.8	168	7.3	133	7.6	84	5.2
16	227	7.9	187	8.2	153	8.0	96	5.9
18	253	9.7	196	8.1	159	8.5	98	6.0
20	245	4.4	184	7.7	154	7.7	97	5.6
22	236	5.2	167	6.4	129	7.1	83	5.3
TOTAL	2197	74.9	1719	80.8	1381	79.3	867	56.4
MEAN	200	6.8	156	7.3	126	7.2	79	5.1
MAX	253	9.7	196	8.1	159	8.5	98	6.0
(TIME)	18 : 00	18 : 00	18 : 00	18 : 00	18 : 00	18 : 00	18 : 00	18 : 00

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0								
2	154	10.8	136	8.0	112	7.7	69	5.2
4	179	7.0	136	7.9	107	7.6	67	5.4
6	151	10.8	134	7.6	114	7.2	72	5.2
8	185	5.7	156	7.8	125	7.1	79	5.1
10	191	6.7	124	7.1	97	6.1	65	4.4
12	151	7.8	121	7.0	100	6.0	67	4.4
14	217	6.8	166	7.9	134	7.5	88	5.7
16	229	10.1	190	8.0	156	8.1	102	6.3
18	208	8.7	181	8.1	156	8.1	97	6.2
20	219	7.8	189	7.5	155	7.4	100	5.7
22	236	6.1	159	7.3	122	7.6	73	5.1
TOTAL	2120	88.3	1692	84.2	1378	80.4	879	58.7
MEAN	193	8.0	154	7.7	125	7.3	80	5.3
MAX	236	6.1	190	8.0	156	8.1	102	6.3
(TIME)	22 : 00	16 : 00	16 : 00	16 : 00	16 : 00	16 : 00	16 : 00	16 : 00

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 3/1984 HMEAN (CM)	TMEAN (SEC)
0	199	3.6	178	5.8	141	6.4	87	5.5
2	254	20.4	198	8.3	161	7.2	102	5.5
4	259	8.8	206	7.0	168	7.4	99	5.6
6	287	12.6	217	9.1	180	8.8	109	6.3
8								
10	164	4.0	141	7.4	119	7.0	78	5.3
12	204	4.7	148	9.1	114	7.2	75	5.5
14	240	6.6	165	7.5	132	7.3	84	5.9
16	248	13.6	202	10.6	164	8.9	101	6.3
18	208	6.7	188	8.8	164	9.0	93	6.0
20	217	6.3	170	8.3	137	8.7	83	6.2
22	157	8.9	145	8.9	127	8.5	75	5.8
TOTAL	2437	96.2	1958	90.8	1607	86.4	986	63.9
MEAN	222	8.7	178	8.3	146	7.9	90	5.8
MAX	287	12.6	217	9.1	180	8.8	109	6.3
(TIME)	6 : 00	6 : 00	6 : 00	6 : 00	6 : 00	6 : 00	6 : 00	6 : 00

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 3/1984 HMEAN (CM)	TMEAN (SEC)
0	229	8.4	183	5.9	141	6.9	87	5.4
2	245	24.1	201	8.1	161	7.2	101	5.4
4	205	6.3	194	8.9	167	7.7	101	5.9
6	229	12.6	199	9.1	172	8.1	104	6.1
8								
10	149	6.9	135	6.9	113	6.4	71	4.9
12	162	8.2	134	8.9	107	7.9	67	5.5
14	246	6.6	173	7.8	135	8.2	84	6.0
16	199	13.3	178	8.4	156	9.2	103	6.7
18	198	7.4	185	9.0	162	9.3	101	6.8
20	205	11.6	161	8.4	134	8.8	82	6.2
22	154	9.2	145	9.3	125	9.1	75	6.1
TOTAL	2221	114.6	1888	90.7	1573	88.8	976	65.0
MEAN	202	10.4	172	8.2	143	8.1	89	5.9
MAX	246	6.6	201	8.1	172	8.1	104	6.1
(TIME)	14 : 00	2 : 00	6 : 00	6 : 00	6 : 00	6 : 00	6 : 00	6 : 00

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	177	12.3	144	9.5	118	8.9	73	6.4
2	166	10.0	147	9.2	121	8.9	72	6.5
4	192	8.6	163	9.9	131	9.2	77	6.8
6	144	9.1	126	9.5	104	8.8	64	6.8
8	159	10.8	135	9.7	113	8.8	61	6.1
10	141	7.9	116	8.5	95	8.7	54	5.9
12	166	8.0	111	8.5	91	8.1	54	5.5
14	140	8.5	127	9.0	107	8.8	65	6.2
16	138	8.5	124	8.7	100	8.8	58	6.4
18								
20								
22								
TOTAL	1423	83.7	1193	82.5	980	79.0	578	56.6
MEAN	158	9.3	133	9.2	109	8.8	64	6.3
MAX	192	8.6	163	9.9	131	9.2	77	6.8
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	149	12.0	139	9.7	117	9.1	76	7.1
2	172	9.2	145	9.7	121	9.1	73	6.8
4	176	9.1	164	10.1	131	9.6	80	7.7
6	138	8.5	121	9.8	100	9.1	67	7.5
8	144	8.0	127	10.5	108	9.2	60	6.6
10	136	12.2	115	9.1	95	8.8	55	6.2
12	140	9.2	108	8.6	88	8.3	56	6.1
14	129	12.4	116	9.4	101	8.9	62	6.3
16	129	8.8	121	8.8	98	8.8	56	6.5
18								
20								
22								
TOTAL	1313	89.4	1156	85.7	959	80.9	585	60.8
MEAN	146	9.9	128	9.5	107	9.0	65	6.8
MAX	176	9.1	164	10.1	131	9.6	80	7.7
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ HMEAN (CM)	5/1984 TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	106	8.9	83	9.1	62	8.5	36	5.3
20	85	10.8	75	8.6	60	8.1	34	5.1
22								
TOTAL	191	19.7	158	17.7	122	16.6	70	10.4
MEAN	96	9.8	79	8.8	61	8.3	35	5.2
MAX	106	8.9	83	9.1	62	8.5	36	5.3
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ HMEAN (CM)	5/1984 TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	100	8.5	76	9.2	60	8.4	35	5.5
20	84	8.8	73	8.5	59	8.3	37	6.0
22								
TOTAL	184	17.3	149	17.7	119	16.7	72	11.5
MEAN	92	8.6	75	8.8	60	8.3	36	5.8
MAX	100	8.5	76	9.2	60	8.4	37	6.0
(TIME)	18 : 00		18 : 00		18 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ HMEAN (CM)	6/1984 TMEAN (SEC)
0								
2								
4	81	8.4	70	9.0	53	8.6	30	5.7
6	77	7.8	67	8.5	54	9.1	30	5.9
8	101	8.0	74	8.7	53	7.9	28	4.4
10	95	9.1	78	9.1	59	8.1	33	4.9
12	71	8.2	60	8.1	49	7.9	28	4.8
14	96	8.8	71	8.6	55	8.0	32	5.0
16	93	9.2	61	7.0	47	6.3	27	4.0
18	96	8.9	66	7.5	50	6.2	29	3.8
20	113	10.7	80	8.1	56	6.2	33	3.9
22	91	8.4	70	7.8	54	6.1	31	3.7
TOTAL	914	87.5	697	82.4	530	74.4	301	46.1
MEAN	91	8.7	70	8.2	53	7.4	30	4.6
MAX	113	10.7	80	8.1	59	8.1	33	4.9
(TIME)	20 : 00		20 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ HMEAN (CM)	6/1984 TMEAN (SEC)
0								
2								
4	85	8.4	69	8.5	52	8.9	28	6.0
6	71	8.2	64	9.8	52	9.4	30	6.3
8	88	7.8	71	8.4	50	8.0	28	4.6
10	98	8.9	74	9.1	58	8.4	33	5.3
12	76	8.3	59	8.6	48	7.9	28	5.4
14	87	10.0	71	8.7	56	8.2	31	5.4
16	74	6.6	58	7.0	44	6.7	26	4.1
18	99	8.9	70	8.1	50	6.4	30	4.3
20	104	10.3	73	7.6	53	6.1	33	4.0
22	86	7.9	65	7.6	50	5.9	31	3.8
TOTAL	868	85.3	674	83.4	513	75.9	298	49.2
MEAN	87	8.5	67	8.3	51	7.6	30	4.9
MAX	104	10.3	74	9.1	58	8.4	33	5.3
(TIME)	20 : 00		10 : 00		10 : 00		10 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 7/1984 HMEAN (CM)	TMEAN (SEC)
0	100	4.9	64	6.5	51	5.5	31	3.7
2	83	7.7	65	7.8	51	6.7	32	4.5
4	80	11.5	66	8.5	49	6.9	29	4.2
6	82	8.3	66	8.6	52	8.2	30	5.0
8	80	8.1	68	8.6	48	7.8	27	4.8
10	88	8.1	66	8.4	50	8.0	28	4.8
12	87	8.6	70	8.9	54	8.0	31	4.9
14	98	9.0	67	7.1	48	6.0	26	3.5
16	85	8.8	67	8.1	50	6.6	28	3.8
18	83	8.0	64	6.7	48	6.2	28	3.8
20	84	6.7	65	8.4	49	7.1	30	4.6
22	101	9.3	71	8.7	54	8.1	31	5.0
TOTAL	1051	99.0	799	96.3	604	85.1	351	52.6
MEAN	88	8.2	67	8.0	50	7.1	29	4.4
MAX	101	9.3	71	8.7	54	8.0	32	4.5
(TIME)	22 : 00		22 : 00		12 : 00		2 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 7/1984 HMEAN (CM)	TMEAN (SEC)
0	84	9.6	63	7.8	49	6.2	31	4.0
2	83	8.3	66	8.0	51	7.3	31	4.7
4	80	10.8	67	8.8	50	7.4	29	4.8
6	72	6.9	63	8.8	51	8.5	31	5.8
8	76	7.7	64	9.1	48	8.3	29	5.5
10	81	8.0	61	9.1	48	8.7	28	5.7
12	81	6.5	68	9.1	54	8.1	31	5.6
14	79	7.9	63	7.6	46	6.1	26	3.7
16	71	8.3	59	8.3	45	6.4	28	4.1
18	86	7.6	63	7.3	46	6.2	27	4.0
20	83	6.4	60	8.9	46	7.3	28	4.6
22	86	9.2	72	8.4	56	8.6	33	5.9
TOTAL	962	97.2	769	101.2	590	89.1	352	58.4
MEAN	80	8.1	64	8.4	49	7.4	29	4.9
MAX	86	7.6	72	8.4	56	8.6	33	5.9
(TIME)	18 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 8/1984 HMEAN (CM)	TMEAN (SEC)
0	92	9.0	73	8.7	56	8.8	31	5.4
2	81	7.8	63	8.3	49	7.8	29	5.1
4	82	8.7	67	9.1	48	8.1	27	5.2
6	89	9.9	66	9.7	48	8.2	27	4.9
8	78	10.1	65	9.0	50	8.2	28	5.4
10	85	9.8	72	9.7	55	8.7	29	5.2
12	82	7.4	61	9.0	43	7.1	24	4.0
14	81	4.7	63	7.7	51	6.7	31	4.2
16	92	8.8	73	7.3	55	5.7	34	3.9
18	86	10.6	66	8.1	52	6.4	31	4.1
20	70	9.9	58	7.8	44	5.9	27	3.6
22	72	7.4	65	9.8	49	8.1	28	4.9
TOTAL	990	104.1	792	104.2	600	89.7	346	55.9
MEAN	83	8.7	66	8.7	50	7.5	29	4.7
MAX	92	9.0	73	8.7	56	8.8	34	3.9
(TIME)	0 : 00		0 : 00		0 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 8/1984 HMEAN (CM)	TMEAN (SEC)
0	90	10.5	70	9.0	55	8.9	31	5.9
2	64	7.4	60	9.1	49	8.0	31	6.0
4	76	8.8	64	9.6	52	9.0	31	7.0
6	94	9.5	67	9.5	51	9.0	30	6.1
8	73	8.8	64	10.0	49	9.0	29	6.1
10	83	9.2	71	9.5	54	8.8	30	5.7
12	67	9.8	57	8.5	41	7.3	24	4.1
14	68	9.0	60	7.9	48	6.7	28	4.0
16	87	6.5	68	7.1	53	5.7	31	3.8
18	80	7.9	66	8.3	52	7.1	31	4.5
20	72	8.9	61	9.3	49	7.8	30	5.1
22	74	10.8	61	9.9	48	8.4	28	5.5
TOTAL	928	107.1	769	107.7	601	95.7	354	63.8
MEAN	77	8.9	64	9.0	50	8.0	30	5.3
MAX	94	9.5	71	9.5	55	8.9	31	5.9
(TIME)	6 : 00		10 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	78	11.8	60	10.2	47	8.8	25	4.7
2								
4								
6								
8								
10								
12								
14								
16	90	7.9	65	7.3	49	6.2	29	4.1
18	90	7.9	67	7.2	52	6.6	30	4.2
20	89	6.7	70	7.5	55	6.1	34	3.9
22	88	7.6	64	7.8	50	6.3	30	3.9
TOTAL	435	41.9	326	40.0	253	34.0	148	20.8
MEAN	87	8.4	65	8.0	51	6.8	30	4.2
MAX	90	7.9	70	7.5	55	6.1	34	3.9
(TIME)	16 : 00		20 : 00		20 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	79	8.7	60	9.2	48	9.4	27	5.8
2								
4								
6								
8								
10								
12								
14								
16	77	7.2	62	7.8	46	6.2	27	3.8
18	82	6.8	68	6.8	53	6.7	31	4.4
20	89	5.4	70	7.3	53	5.9	33	4.1
22	93	7.4	61	7.2	48	6.1	28	3.9
TOTAL	420	35.5	321	38.3	248	34.3	146	22.0
MEAN	84	7.1	64	7.7	50	6.9	29	4.4
MAX	93	7.4	70	7.3	53	6.7	33	4.1
(TIME)	22 : 00		20 : 00		18 : 00		20 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/10/1984	
							HMEAN (CM)	TMEAN (SEC)
0	76	6.9	64	8.2	48	6.7	28	4.1
2	83	11.5	64	9.0	45	6.4	26	4.0
4	80	8.7	67	7.7	53	6.9	33	4.5
6	80	7.3	64	7.1	50	6.3	30	4.2
8	121	6.8	81	5.5	63	4.8	38	3.5
10	117	5.7	83	5.1	65	4.3	40	3.4
12	98	5.7	83	5.0	67	4.4	42	3.2
14	103	5.6	86	6.0	72	5.8	44	4.2
16								
18	88	5.5	74	6.1	59	5.6	37	4.0
20	82	5.2	65	6.3	49	5.6	30	3.9
22	90	5.7	71	5.7	57	5.0	33	3.5
TOTAL	1018	74.6	802	71.7	628	61.8	381	42.5
MEAN	93	6.8	73	6.5	57	5.6	35	3.9
MAX	121	6.8	86	6.0	72	5.8	44	4.2
(TIME)	8 : 00		14 : 00		14 : 00		14 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/10/1984	
							HMEAN (CM)	TMEAN (SEC)
0	78	8.4	63	8.1	51	7.4	30	4.7
2	71	8.6	62	9.3	45	6.7	27	4.3
4	92	11.4	67	9.1	49	6.8	30	4.4
6	79	9.4	62	7.8	49	6.6	30	4.4
8	97	5.8	78	5.4	61	4.9	37	3.4
10	123	5.5	83	5.3	67	4.8	42	3.5
12	101	4.9	84	4.6	67	4.8	43	3.5
14	103	5.8	82	6.0	69	5.9	44	4.3
16								
18	90	5.5	73	7.0	59	5.7	38	4.4
20	68	8.8	58	7.0	47	6.1	30	4.0
22	73	8.2	62	5.9	52	5.3	32	3.8
TOTAL	975	82.3	774	75.5	616	65.0	383	44.7
MEAN	89	7.5	70	6.9	56	5.9	35	4.1
MAX	123	5.5	84	4.6	69	5.9	44	4.3
(TIME)	10 : 00		12 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/11/1984	
							HMEAN (CM)	TMEAN (SEC)
0	92	5.0	76	5.6	60	5.0	38	3.8
2	138	11.5	82	5.2	62	5.3	38	3.6
4	91	4.3	68	6.4	54	5.7	34	3.9
6	105	7.2	76	7.0	55	6.1	33	4.0
8	76	6.5	63	7.0	50	5.7	30	3.7
10	81	4.8	60	8.9	47	7.3	31	5.2
12	70	10.3	60	8.2	46	6.6	28	4.3
14	75	12.3	56	6.1	45	5.3	28	3.7
16	89	9.2	68	7.0	55	5.6	35	3.7
18	136	3.0	79	5.0	62	4.5	38	3.2
20	106	3.7	81	4.8	65	4.1	42	3.0
22	104	4.9	89	5.2	71	4.8	43	3.2
TOTAL	1163	82.7	858	76.4	672	66.0	418	45.3
MEAN	97	6.9	72	6.4	56	5.5	35	3.8
MAX	138	11.5	89	5.2	71	4.8	43	3.2
(TIME)	2 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/11/1984	
							HMEAN (CM)	TMEAN (SEC)
0	107	5.4	69	5.2	56	5.1	36	3.9
2	99	11.6	76	5.4	61	5.4	40	3.9
4	81	9.7	67	6.1	53	5.7	34	4.0
6	107	5.6	72	6.7	54	5.9	32	4.1
8	77	11.5	66	7.2	52	6.0	32	4.2
10	83	4.4	64	8.7	50	7.5	31	5.3
12	76	7.9	63	8.8	47	7.4	28	4.6
14	76	12.3	59	7.3	48	6.0	29	3.9
16	92	11.0	67	6.9	52	5.4	32	3.5
18	93	6.9	72	5.5	56	4.5	35	3.1
20	113	5.3	84	4.9	65	4.2	41	3.1
22	110	6.8	89	5.7	71	5.2	45	3.5
TOTAL	1114	98.4	848	78.4	665	68.3	415	47.1
MEAN	93	8.2	71	6.5	55	5.7	35	3.9
MAX	113	5.3	89	5.7	71	5.2	45	3.5
(TIME)	20 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/12/1984	
							HMEAN (CM)	TMEAN (SEC)
0	99	6.2	82	6.7	66	5.5	41	3.7
2	126	7.1	85	6.6	68	5.8	43	4.0
4	135	8.6	104	7.9	81	7.1	49	4.5
6	131	9.0	100	8.0	74	6.3	43	4.1
8	117	7.4	97	7.0	79	6.5	49	4.2
10	178	4.6	134	4.7	104	5.1	66	3.9
12	253	0.6	169	5.2	121	5.5	75	4.0
14	226	4.5	168	5.3	130	5.4	82	4.2
16	214	9.5	141	7.0	108	6.4	70	4.7
18	172	6.3	139	6.2	109	6.0	65	4.0
20	392	8.0	134	6.2	99	5.4	61	4.0
22	146	6.7	125	5.8	102	5.5	63	4.0
TOTAL	2189	78.5	1478	76.6	1141	70.5	707	49.3
MEAN	182	6.5	123	6.4	95	5.9	59	4.1
MAX	392	8.0	169	5.2	130	5.4	82	4.2
(TIME)	20 : 00		12 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/12/1984	
							HMEAN (CM)	TMEAN (SEC)
0	100	5.9	84	5.9	67	5.3	42	3.9
2	127	7.3	86	6.6	69	6.0	42	4.1
4	133	8.4	103	7.4	80	7.1	48	4.7
6	127	9.5	98	7.6	69	5.7	40	3.8
8	130	7.0	96	7.7	80	6.7	49	4.4
10	210	4.5	131	5.6	103	5.4	66	4.1
12	167	5.9	136	6.3	111	5.9	73	4.1
14	194	6.1	152	5.2	125	5.1	81	4.2
16	184	9.2	133	7.8	107	6.6	69	4.5
18	155	7.7	136	7.1	107	6.1	66	4.2
20	151	6.0	122	7.8	98	6.1	62	4.4
22	153	9.4	131	6.2	107	6.0	67	4.4
TOTAL	1831	86.9	1408	81.2	1123	72.0	705	50.8
MEAN	153	7.2	117	6.8	94	6.0	59	4.2
MAX	210	4.5	152	5.2	125	5.1	81	4.2
(TIME)	10 : 00		14 : 00		14 : 00		14 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/13/1984	
							HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6	192	7.2	137	7.5	110	6.6	69	4.9
8	140	4.3	127	6.1	102	5.8	65	4.5
10	216	2.2	132	7.5	105	6.2	64	4.1
12	184	8.6	133	6.9	111	6.8	67	4.7
14	195	8.2	142	7.8	108	6.5	66	4.4
16	154	6.7	133	7.1	111	6.8	71	4.9
18	178	8.8	149	7.0	116	6.6	70	4.4
20	189	10.3	143	7.3	115	7.0	70	4.8
22	180	6.9	149	6.7	115	6.4	65	4.4
TOTAL	1628	63.2	1245	63.9	993	58.7	607	41.1
MEAN	181	7.0	138	7.1	110	6.5	67	4.6
MAX	216	2.2	149	7.0	116	6.6	71	4.9
(TIME)	10 : 00		18 : 00		18 : 00		16 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/13/1984	
							HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6	158	6.9	134	7.6	108	6.7	69	4.7
8	144	3.9	125	6.0	100	5.8	63	4.3
10	142	9.1	128	7.3	105	6.5	64	4.3
12	158	6.1	131	6.1	111	6.7	67	4.7
14	189	7.6	150	7.6	115	6.9	69	4.4
16	154	4.8	133	7.3	111	6.9	70	4.8
18	174	8.4	147	6.0	116	6.4	70	4.5
20	202	11.4	142	7.6	114	7.3	68	4.8
22	177	6.8	142	7.2	114	7.1	70	5.0
TOTAL	1498	65.0	1232	62.7	994	60.3	610	41.5
MEAN	166	7.2	137	7.0	110	6.7	68	4.6
MAX	202	11.4	150	7.6	116	6.4	70	4.8
(TIME)	20 : 00		14 : 00		18 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/14/1984	
							HMEAN (CM)	TMEAN (SEC)
0	188	9.0	162	8.1	127	7.5	78	5.2
2	179	7.6	142	8.6	116	8.1	72	5.5
4	188	8.7	160	9.2	129	8.3	78	6.0
6	203	10.7	150	8.3	112	7.7	66	5.2
8	151	10.0	117	8.1	98	8.1	60	5.2
10	139	10.9	126	8.4	105	7.4	62	5.3
12	167	3.5	138	7.1	111	7.1	68	5.0
14	182	7.5	150	7.2	123	6.8	77	4.8
16	294	1.9	228	6.1	174	6.5	107	5.1
18	298	8.3	203	6.5	156	6.1	93	4.5
20	268	4.9	171	7.0	138	6.9	87	5.2
22	226	9.1	188	7.6	144	6.7	91	5.1
TOTAL	2483	92.1	1935	92.2	1533	87.2	939	62.1
MEAN	207	7.7	161	7.7	128	7.3	78	5.2
MAX	298	8.3	228	6.1	174	6.5	107	5.1
(TIME)	18 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/14/1984	
							HMEAN (CM)	TMEAN (SEC)
0	199	9.1	165	8.5	129	7.4	78	5.4
2	191	7.8	146	9.1	116	8.2	71	5.5
4	177	10.3	158	9.3	126	8.1	74	5.8
6	213	7.9	149	8.2	116	7.3	69	5.4
8	150	10.0	121	9.6	99	8.6	62	5.6
10	189	10.7	136	8.3	108	7.5	63	5.4
12	160	6.8	138	7.7	113	7.2	70	5.0
14	179	11.0	156	7.3	125	7.0	81	5.0
16	251	5.4	204	6.7	168	6.6	104	5.1
18	239	9.4	198	7.8	157	6.4	98	4.7
20	192	6.3	165	6.3	135	6.4	88	4.9
22	214	4.3	168	7.4	139	6.3	86	4.7
TOTAL	2354	99.0	1904	96.2	1531	87.0	944	62.5
MEAN	196	8.2	159	8.0	128	7.2	79	5.2
MAX	251	5.4	204	6.7	168	6.6	104	5.1
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/15/1984	
							HMEAN (CM)	TMEAN (SEC)
0	233	5.4	170	6.7	147	6.8	92	5.1
2	250	10.1	197	7.8	159	7.6	103	5.5
4	235	3.6	195	8.1	162	7.3	101	5.5
6	269	9.4	187	8.1	140	7.3	88	5.4
8	172	1.7	135	5.0	114	6.1	74	4.9
10	140	5.2	112	6.3	93	6.0	62	4.8
12	165	5.6	146	6.3	120	6.5	73	5.1
14	177	6.6	156	7.8	131	7.7	78	5.5
16	183	6.3	168	6.8	142	7.1	92	6.0
18	216	11.8	179	10.0	148	9.2	93	6.6
20	206	6.3	178	6.2	144	6.9	91	5.7
22	159	9.6	146	8.4	122	7.6	76	5.8
TOTAL	2405	81.6	1969	87.5	1622	86.1	1023	65.9
MEAN	200	6.8	164	7.3	135	7.2	85	5.5
MAX	269	9.4	197	7.8	162	7.3	103	5.5
(TIME)	6 : 00		2 : 00		4 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/15/1984	
							HMEAN (CM)	TMEAN (SEC)
0	233	5.7	174	7.0	148	6.7	90	4.9
2	262	11.4	200	7.6	163	7.4	100	5.1
4	226	5.0	192	6.5	160	6.7	105	5.7
6	174	7.4	158	7.5	135	6.7	90	5.5
8	148	5.4	125	5.6	111	6.5	77	5.3
10	162	5.3	116	5.7	95	5.8	61	4.8
12	182	8.8	149	6.8	121	6.5	74	5.2
14	186	6.8	162	8.5	138	7.4	83	5.7
16	213	5.7	173	7.4	143	7.8	93	6.1
18	212	6.9	180	9.9	151	9.4	93	6.6
20	198	6.4	161	6.0	140	7.2	90	5.7
22	160	8.3	146	7.7	122	7.7	73	5.5
TOTAL	2356	83.1	1936	86.2	1627	85.8	1029	66.1
MEAN	196	6.9	161	7.2	136	7.1	86	5.5
MAX	262	11.4	200	7.6	163	7.4	105	5.7
(TIME)	2 : 00		2 : 00		2 : 00		4 : 00	

NO.1 TIME	5/16/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	192	7.8	166	8.1	132	7.5	77	5.3
2	238	7.5	195	8.0	159	8.0	96	5.8
4	251	8.3	185	7.8	155	8.8	96	6.6
6	184	7.5	166	7.7	137	8.2	84	6.0
8	164	7.2	140	7.0	114	7.0	71	5.0
10	120	6.0	109	7.0	92	6.6	58	4.7
12	155	9.5	132	6.9	113	6.8	76	5.3
14	152	7.9	128	7.1	106	7.2	68	5.3
16	179	7.3	158	8.4	131	8.6	78	6.2
18	211	5.8	165	7.9	127	8.2	74	5.5
20	186	7.5	156	6.7	129	7.5	74	5.5
22	175	6.4	156	7.5	130	8.1	79	5.8
TOTAL	2207	88.7	1856	90.1	1525	92.5	931	67.0
MEAN	184	7.4	155	7.5	127	7.7	78	5.6
MAX	251	8.3	195	8.0	159	8.0	96	5.8
(TIME)	4 : 00		2 : 00		2 : 00		2 : 00	

NO.2 TIME	5/16/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	190	8.4	168	7.5	137	7.4	82	5.7
2	233	7.0	195	8.1	160	8.3	99	6.2
4	198	8.2	181	7.9	158	8.6	102	6.9
6	183	7.6	166	8.3	138	8.5	85	6.2
8	158	7.5	140	7.0	115	6.7	73	5.2
10	146	10.2	119	7.2	100	6.7	63	4.8
12	152	3.7	134	7.1	115	6.9	75	5.1
14	166	7.6	128	7.0	107	6.8	66	5.0
16	191	7.1	167	8.6	139	8.8	82	6.2
18	204	7.0	162	8.6	127	8.4	78	6.0
20	168	7.6	148	7.4	123	7.4	71	5.6
22	191	6.4	157	7.9	132	8.1	80	5.8
TOTAL	2180	88.3	1865	92.6	1551	92.6	956	68.7
MEAN	182	7.4	155	7.7	129	7.7	80	5.7
MAX	233	7.0	195	8.1	160	8.3	102	6.9
(TIME)	2 : 00		2 : 00		2 : 00		4 : 00	

TIME	5/17/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	165	8.5	139	9.4	109	8.1	65	5.5
2	170	7.9	148	8.5	123	8.3	75	5.6
4	164	8.2	154	8.6	126	7.9	76	5.4
6	186	6.9	155	8.2	130	7.6	74	5.2
8	148	6.1	131	6.6	109	6.6	69	5.1
10	123	7.4	110	5.8	90	5.5	57	4.1
12	107	7.1	99	5.8	78	6.0	49	4.2
14	149	11.3	123	6.4	98	6.1	60	4.5
16	175	6.2	134	8.0	107	7.4	66	5.1
18	182	8.7	135	9.3	111	8.2	65	5.2
20	167	10.4	147	8.8	122	8.3	75	5.7
22	168	7.8	145	8.1	119	8.0	73	5.7
TOTAL	1904	96.5	1620	93.5	1322	88.0	804	61.3
MEAN	159	8.0	135	7.8	110	7.3	67	5.1
MAX	186	6.9	155	8.2	130	7.6	76	5.4
(TIME)	6 : 00		6 : 00		6 : 00		4 : 00	

TIME	5/17/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	156	8.0	136	8.4	114	8.2	71	5.9
2	167	9.2	152	8.6	128	8.2	81	5.9
4	184	9.5	158	8.7	127	7.9	77	5.5
6	178	6.9	160	8.4	133	7.2	77	5.3
8	153	9.1	127	6.9	109	6.7	71	5.2
10	141	5.8	112	5.8	92	6.1	60	4.5
12	115	7.2	99	5.8	78	6.0	48	4.1
14	171	11.9	127	8.0	102	7.1	63	4.9
16	211	5.8	141	7.2	112	7.6	67	5.0
18	201	10.1	140	8.4	112	8.4	67	5.3
20	166	8.1	149	7.8	120	8.0	76	5.6
22	176	7.8	149	7.5	120	8.0	74	5.9
TOTAL	2019	99.4	1650	91.5	1347	89.4	832	63.1
MEAN	168	8.3	138	7.6	112	7.4	69	5.3
MAX	211	5.8	160	8.4	133	7.2	81	5.9
(TIME)	16 : 00		6 : 00		6 : 00		2 : 00	

TIME	5/18/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	175	9.4	145	9.0	122	8.3	75	5.8
2	208	7.4	166	7.8	136	8.0	82	5.7
4	169	8.6	142	8.2	117	8.1	75	6.3
6	144	6.6	135	8.2	118	8.1	75	5.9
8								
10	140	6.6	125	6.4	105	6.8	66	4.9
12	134	6.9	116	6.5	93	6.1	60	4.7
14	142	10.8	126	7.9	110	7.8	71	5.7
16	163	7.5	141	8.4	121	8.1	74	5.8
18								
20								
22								
TOTAL	1275	63.8	1096	62.4	922	61.3	578	44.8
MEAN	159	8.0	137	7.8	115	7.7	72	5.6
MAX	208	7.4	166	7.8	136	8.0	82	5.7
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

TIME	5/18/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	188	7.7	158	8.0	130	8.3	81	6.1
2	213	7.5	171	8.2	140	7.7	85	5.8
4	161	8.2	144	8.4	121	8.1	73	5.9
6	144	6.8	134	8.4	117	7.7	76	5.9
8								
10	159	4.5	131	6.4	109	6.8	70	5.1
12	142	11.2	118	6.8	95	6.2	59	4.4
14	148	7.1	131	7.3	110	7.7	70	5.4
16	178	7.6	150	8.7	126	8.6	81	6.2
18								
20								
22								
TOTAL	1333	60.6	1137	62.2	948	61.1	595	44.8
MEAN	167	7.6	142	7.8	119	7.6	74	5.6
MAX	213	7.5	171	8.2	140	7.7	85	5.8
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/19/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	141	13.6	127	9.5	104	8.8	63	6.2
20								
22	131	13.1	112	8.9	85	8.2	47	5.1
TOTAL	272	26.7	239	18.4	189	17.0	110	11.3
MEAN	136	13.3	120	9.2	95	8.5	55	5.6
MAX	141	13.6	127	9.5	104	8.8	63	6.2
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/19/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	141	11.7	125	9.2	105	8.8	64	6.3
20								
22	130	13.2	113	9.5	90	8.6	51	5.7
TOTAL	271	24.9	238	18.7	195	17.4	115	12.0
MEAN	136	12.4	119	9.3	98	8.7	58	6.0
MAX	141	11.7	125	9.2	105	8.8	64	6.3
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/20/1984 HMEAN TMEAN (CM) (SEC)	
0	147	8.5	122	9.2	96	8.4	54	5.5
2	136	8.5	113	9.2	87	8.1	50	5.5
4	132	8.2	111	8.4	84	7.8	47	5.3
6	148	5.4	106	8.9	80	7.3	44	4.5
8	142	7.4	102	7.5	81	7.1	46	4.4
10	120	12.7	96	7.9	74	6.3	45	4.3
12	109	4.9	97	7.6	84	6.5	55	4.8
14	130	5.9	107	6.6	82	6.1	50	4.1
16								
18								
20								
22								
TOTAL	1064	61.5	854	65.3	668	57.6	391	38.4
MEAN	133	7.7	107	8.2	84	7.2	49	4.8
MAX	148	5.4	122	9.2	96	8.4	55	4.8
(TIME)	6 : 00		0 : 00		0 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/20/1984 HMEAN TMEAN (CM) (SEC)	
0	159	8.5	130	9.0	102	8.5	59	6.0
2	134	13.3	111	9.1	84	8.2	47	5.4
4	133	7.2	110	8.2	86	8.1	52	5.8
6	145	7.7	103	8.0	76	7.2	42	4.4
8	162	7.6	107	7.3	82	7.0	49	4.6
10	127	13.0	102	7.4	78	6.8	48	4.6
12	113	8.1	101	7.3	84	6.5	53	4.6
14	130	6.1	103	6.6	81	5.9	49	4.2
16								
18								
20								
22								
TOTAL	1103	71.5	867	62.9	673	58.2	399	39.6
MEAN	138	8.9	108	7.9	84	7.3	50	4.9
MAX	162	7.6	130	9.0	102	8.5	59	6.0
(TIME)	8 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/21/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4	181	8.8	157	8.2	128	8.0	78	5.7
6	203	7.3	173	8.0	150	7.8	92	5.9
8	246	8.2	164	7.6	130	7.8	81	5.4
10	165	6.5	145	7.8	122	6.9	74	4.8
12	188	6.2	141	6.8	117	6.5	72	4.6
14	153	7.4	130	4.9	105	5.7	65	4.2
16	167	4.6	139	5.6	116	5.7	73	4.3
18	269	5.7	163	6.3	131	6.6	80	4.8
20	233	10.4	178	7.7	143	6.8	92	5.1
22	222	7.1	193	6.6	157	7.2	97	5.3
TOTAL	2027	72.2	1583	69.5	1299	69.0	804	50.1
MEAN	203	7.2	158	6.9	130	6.9	80	5.0
MAX	269	5.7	193	6.6	157	7.2	97	5.3
(TIME)	18 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/21/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4	179	8.3	151	8.6	119	7.5	71	5.2
6	195	7.1	170	7.9	145	8.1	87	5.7
8	196	8.0	161	8.7	131	8.0	83	5.6
10	162	10.3	143	8.3	122	7.5	77	5.2
12	204	7.5	142	6.2	115	6.4	73	4.6
14	145	6.6	123	6.1	102	6.1	66	4.6
16	149	4.1	136	6.3	113	6.1	71	4.6
18	180	5.8	148	7.8	124	7.0	81	5.1
20	197	6.8	173	8.5	142	7.2	92	5.5
22	263	5.3	197	6.2	154	6.6	94	5.0
TOTAL	1870	69.8	1544	74.6	1267	70.5	795	51.1
MEAN	187	7.0	154	7.5	127	7.0	80	5.1
MAX	263	5.3	197	6.2	154	6.6	94	5.0
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

5/22/1984								
NO.1	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	222	5.0	191	6.8	152	6.7	98	5.3
2	216	4.9	177	7.6	146	6.9	92	5.3
4	240	5.7	183	6.6	147	7.0	93	5.5
6	220	5.6	195	6.6	158	6.8	101	5.6
8	226	7.9	179	7.4	147	6.7	93	5.4
10	225	4.6	172	6.0	136	6.1	85	5.0
12	210	10.0	159	5.9	124	6.4	78	4.8
14	198	8.3	155	5.6	123	5.9	81	5.0
16	392	4.9	178	6.0	132	6.2	81	4.9
18	220	1.3	185	6.9	147	6.5	94	5.4
20								
22	216	5.2	193	7.8	163	7.2	99	5.2
TOTAL	2585	63.4	1967	73.2	1575	72.4	995	57.4
MEAN	235	5.8	179	6.7	143	6.6	91	5.2
MAX	392	4.9	195	6.6	163	7.2	101	5.6
(TIME)	16 : 00		6 : 00		22 : 00		6 : 00	

5/22/1984								
NO.2	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	224	5.3	174	8.1	145	7.2	89	5.0
2	186	12.4	166	7.2	143	7.1	95	5.7
4	204	5.9	184	7.1	145	6.6	91	5.2
6	258	5.9	190	8.6	154	7.0	98	5.6
8	241	6.9	170	7.2	142	7.3	99	6.0
10	238	5.8	179	5.8	139	6.3	85	5.0
12	171	16.8	148	8.1	118	6.7	76	5.1
14	187	5.4	158	6.3	121	6.3	79	5.0
16	191	8.9	149	6.5	118	6.3	75	4.9
18	233	5.5	166	7.3	136	6.7	84	5.2
20								
22	230	5.4	195	5.9	163	7.0	100	5.3
TOTAL	2363	84.2	1879	78.1	1524	74.5	971	58.0
MEAN	215	7.7	171	7.1	139	6.8	88	5.3
MAX	258	5.9	195	5.9	163	7.0	100	5.3
(TIME)	6 : 00		22 : 00		22 : 00		22 : 00	

5/23/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	253	6.9	208	7.5	165	8.7	103	6.2
2	237	6.2	190	7.9	164	8.1	104	6.0
4	227	10.5	190	7.7	159	7.9	101	6.3
6	245	5.4	189	7.4	154	7.0	96	5.0
8	227	11.2	192	6.9	155	7.1	94	5.1
10	228	9.0	203	8.3	160	7.6	97	5.5
12	213	5.7	179	5.4	147	6.2	93	5.0
14	205	8.5	174	6.7	144	6.6	85	5.0
16	244	3.9	174	5.8	139	7.0	85	5.4
18	198	10.3	168	7.3	138	6.7	89	5.2
20	243	2.2	183	6.7	155	7.0	97	5.7
22	242	15.4	199	7.5	162	7.1	100	5.7
TOTAL	2762	95.2	2249	85.1	1842	87.0	1144	66.1
MEAN	230	7.9	187	7.1	154	7.2	95	5.5
MAX	253	6.9	208	7.5	165	8.7	104	6.0
(TIME)	0 : 00		0 : 00		0 : 00		2 : 00	

5/23/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	258	5.9	198	7.5	159	8.3	100	6.2
2	234	5.3	186	8.1	159	7.8	99	5.8
4	249	4.2	189	8.0	153	7.6	94	5.7
6	252	5.3	187	6.8	152	7.3	95	5.2
8	242	11.2	186	7.8	148	7.7	95	5.4
10	226	6.6	184	7.9	157	7.7	99	5.8
12	211	6.3	175	5.5	141	6.8	91	5.4
14	195	9.6	173	6.6	140	6.3	86	5.2
16	218	6.4	164	7.6	136	8.1	90	5.9
18	207	8.1	165	7.2	135	6.9	83	4.9
20	211	4.6	170	7.2	148	7.5	90	5.5
22	242	5.7	194	8.3	156	7.6	98	5.7
TOTAL	2745	79.2	2171	88.5	1784	89.6	1120	66.7
MEAN	229	6.6	181	7.4	149	7.5	93	5.6
MAX	258	5.9	198	7.5	159	8.3	100	6.2
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

5/24/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	234	5.3	198	6.9	166	7.2	103	5.4
2	229	7.3	199	8.8	164	7.8	105	6.0
4	300	4.3	200	6.7	167	7.1	101	5.5
6	242	9.5	188	6.7	157	7.1	99	5.4
8	230	4.5	196	7.9	163	8.1	100	5.8
10	241	7.2	205	8.4	172	8.0	106	5.8
12	216	6.1	186	6.7	159	7.0	98	5.2
14								
16	222	9.0	178	7.4	146	7.1	91	5.1
18	189	11.4	159	7.4	135	6.9	86	5.3
20	272	14.0	207	8.3	163	6.9	105	5.6
22								
TOTAL	2375	78.6	1916	75.2	1592	73.2	994	55.1
MEAN	238	7.9	192	7.5	159	7.3	99	5.5
MAX	300	4.3	207	8.3	172	8.0	106	5.8
(TIME)	4 : 00		20 : 00		10 : 00		10 : 00	

5/24/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	248	5.2	198	8.7	163	7.5	107	5.9
2	234	6.5	189	7.2	156	8.0	103	6.1
4	227	5.6	189	6.2	153	6.7	98	5.3
6	229	10.2	191	7.6	159	7.6	100	5.7
8	275	12.6	201	8.2	161	7.9	102	6.2
10	250	5.4	207	8.5	168	7.9	105	5.8
12	196	8.3	183	8.0	158	7.7	99	5.6
14								
16	195	10.0	174	6.7	146	6.9	92	5.3
18	173	6.8	145	7.0	125	6.6	81	5.1
20	242	4.1	197	8.8	157	7.9	99	5.8
22								
TOTAL	2269	74.7	1874	76.9	1546	74.7	986	56.8
MEAN	227	7.5	187	7.7	155	7.5	99	5.7
MAX	275	12.6	207	8.5	168	7.9	107	5.9
(TIME)	8 : 00		10 : 00		10 : 00		0 : 00	

NO.1	5/25/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	199	9.6	182	8.4	157	8.4	101	6.2
2	216	8.1	193	9.4	157	8.8	95	6.1
4	244	7.6	201	7.8	162	8.3	101	6.1
6	261	9.7	194	7.9	158	8.3	96	5.8
8	206	7.4	183	8.0	149	8.1	97	6.1
10	243	5.8	195	7.2	162	7.2	96	5.7
12								
14								
16								
18								
20								
22								
TOTAL	1369	48.2	1148	48.7	945	49.1	586	36.0
MEAN	228	8.0	191	8.1	158	8.2	98	6.0
MAX	261	9.7	201	7.8	162	8.3	101	6.2
(TIME)	6 : 00		4 : 00		4 : 00		0 : 00	

TIME	5/26/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0								
2	197	10.7	168	9.7	143	9.0	86	6.2
4	188	8.8	158	9.6	128	8.8	85	6.8
6	215	8.8	155	8.3	129	8.4	78	6.3
8	205	7.2	156	8.6	128	8.4	82	6.3
10								
12	186	5.4	163	8.3	134	8.6	83	6.5
14	154	10.5	142	8.1	123	8.6	75	6.3
16	167	8.9	134	9.1	106	8.3	60	5.6
18	139	11.4	129	9.2	104	8.7	60	6.2
20	159	5.8	138	8.9	112	8.3	66	6.1
22	140	9.5	132	9.6	112	9.2	68	6.9
TOTAL	1750	87.0	1475	89.4	1219	86.3	743	63.2
MEAN	175	8.7	148	8.9	122	8.6	74	6.3
MAX	215	8.8	168	9.7	143	9.0	86	6.2
(TIME)	6 : 00		2 : 00		2 : 00		2 : 00	

TIME	5/27/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	146	11.7	122	9.0	93	8.4	52	5.8
2	145	8.7	126	9.2	98	8.4	57	6.2
4	131	8.1	120	8.7	93	8.7	57	6.6
6	129	10.5	120	9.3	98	9.0	59	6.6
8	136	8.2	118	8.9	91	8.2	53	6.0
10	120	9.1	102	9.4	80	8.6	47	5.6
12	152	9.7	128	9.2	102	9.0	57	6.4
14	159	9.5	132	8.6	110	8.7	68	6.5
16	158	8.7	132	9.4	111	8.4	68	6.7
18	155	9.1	134	8.4	112	8.5	68	6.4
20	142	9.6	135	9.8	117	9.5	71	6.9
22	154	7.0	132	9.1	103	8.7	60	6.2
TOTAL	1727	109.9	1501	109.0	1208	104.1	717	75.9
MEAN	144	9.2	125	9.1	101	8.7	60	6.3
MAX	159	9.5	135	9.8	117	9.5	71	6.9
(TIME)	14 : 00		20 : 00		20 : 00		20 : 00	

NO.2	5/25/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	250	10.1	176	8.3	154	8.0	99	6.1
2	238	7.7	202	9.7	160	8.9	95	6.2
4	251	7.4	190	7.7	153	8.2	91	5.9
6	271	7.2	190	7.8	154	8.5	89	5.7
8	195	8.3	170	7.1	146	8.0	95	6.4
10	219	6.9	188	7.8	157	7.8	95	6.1
12								
14								
16								
18								
20								
22								
TOTAL	1424	47.6	1116	48.4	924	49.4	564	36.4
MEAN	237	7.9	186	8.1	154	8.2	94	6.1
MAX	271	7.2	202	9.7	160	8.9	99	6.1
(TIME)	6 : 00		2 : 00		2 : 00		0 : 00	

TIME	5/26/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0								
2	185	10.1	168	9.5	141	9.0	84	6.2
4	175	8.9	155	9.7	127	8.5	83	6.7
6	233	8.7	154	8.6	122	7.8	76	6.4
8	192	7.5	155	8.5	123	8.3	78	6.1
10								
12	183	9.6	157	9.2	132	8.8	82	6.7
14	164	10.8	144	8.9	121	8.7	69	6.1
16	159	9.3	137	9.1	110	8.7	64	6.4
18	146	10.0	127	8.8	104	9.0	61	6.5
20	155	5.7	132	8.8	107	8.6	64	6.2
22	146	9.5	129	9.6	110	9.3	69	7.1
TOTAL	1738	90.1	1458	90.7	1197	86.7	730	64.4
MEAN	174	9.0	146	9.1	120	8.7	73	6.4
MAX	233	8.7	168	9.5	141	9.0	84	6.2
(TIME)	6 : 00		2 : 00		2 : 00		2 : 00	

TIME	5/27/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	137	8.6	116	9.2	90	8.5	53	6.1
2	136	8.7	125	9.3	97	8.8	60	6.7
4	130	8.7	121	8.7	94	8.9	59	7.0
6	143	10.8	122	9.6	98	9.2	63	7.2
8	134	8.3	112	8.8	87	8.5	53	6.3
10	113	9.5	99	9.7	78	8.7	48	6.0
12	155	9.5	124	9.1	100	9.0	59	6.9
14	143	9.4	129	8.5	108	8.5	69	6.8
16	166	8.6	137	8.9	112	8.9	68	6.8
18	149	8.6	134	8.7	111	8.7	67	6.5
20	154	9.4	138	9.8	117	9.4	71	7.1
22	156	7.2	129	8.6	103	8.7	61	6.6
TOTAL	1716	107.3	1486	108.9	1195	105.8	731	80.0
MEAN	143	8.9	124	9.1	100	8.8	61	6.7
MAX	166	8.6	138	9.8	117	9.4	71	7.1
(TIME)	16 : 00		20 : 00		20 : 00		20 : 00	

NO.1 TIME	5/28/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	140	8.6	125	8.8	102	8.5	59	6.4
2	165	9.6	148	9.1	116	8.7	70	7.4
4								
6	146	8.4	112	8.1	93	8.0	53	5.8
8	184	8.4	122	8.4	100	8.3	60	6.2
10	117	7.0	103	8.8	89	8.5	57	6.3
12	132	9.0	116	9.0	94	8.2	57	6.1
14	136	10.6	119	8.8	102	8.8	58	6.2
16	124	8.2	103	8.7	89	8.7	54	6.0
18	125	7.5	108	7.7	90	8.3	52	5.5
20	125	5.9	100	8.3	78	7.5	45	4.8
22								
TOTAL	1394	83.2	1156	85.7	953	83.5	565	60.7
MEAN	139	8.3	116	8.6	95	8.3	57	6.1
MAX	184	8.4	148	9.1	116	8.7	70	7.4
(TIME)	8 : 00		2 : 00		2 : 00		2 : 00	

NO.2 TIME	5/28/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	145	9.8	128	8.7	105	9.0	64	7.3
2	168	9.7	141	9.0	111	9.1	68	7.5
4								
6	142	8.3	111	8.8	90	8.4	52	6.2
8	174	8.5	117	7.8	94	8.1	55	6.0
10	116	8.5	104	8.2	92	8.6	58	6.6
12	118	8.9	109	8.8	90	8.4	56	6.3
14	133	9.7	113	8.3	99	8.8	59	6.7
16	119	8.2	104	8.6	87	8.6	53	6.4
18	121	7.8	104	8.6	88	8.3	53	6.2
20	124	5.9	102	7.6	83	8.0	53	6.3
22								
TOTAL	1360	85.3	1133	84.4	939	85.3	571	65.5
MEAN	136	8.5	113	8.4	94	8.5	57	6.5
MAX	174	8.5	141	9.0	111	9.1	68	7.5
(TIME)	8 : 00		2 : 00		2 : 00		2 : 00	

TIME	5/29/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	131	8.7	99	8.4	81	7.7	46	5.2
2	132	7.9	110	7.9	90	7.9	54	5.9
4	185	8.6	148	8.4	120	8.2	71	5.9
6	174	11.7	147	8.9	118	8.2	68	5.4
8	250	5.5	153	8.4	119	7.9	72	5.4
10	195	9.4	152	8.2	126	8.0	75	5.5
12	190	8.8	136	7.8	115	7.9	71	5.7
14	210	8.0	141	8.5	108	8.4	62	5.7
16	207	8.8	165	9.8	133	8.9	78	6.3
18	169	7.8	137	9.4	113	8.9	64	5.7
20	209	1.1	167	8.6	134	8.6	76	5.6
22	161	7.4	145	8.1	124	8.5	72	5.8
TOTAL	2213	93.7	1700	102.4	1381	99.1	809	68.1
MEAN	184	7.8	142	8.5	115	8.3	67	5.7
MAX	250	5.5	167	8.6	134	8.6	78	6.3
(TIME)	8 : 00		20 : 00		20 : 00		16 : 00	

TIME	5/29/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	128	8.6	98	8.4	80	7.8	47	5.6
2	133	7.9	108	8.2	90	8.1	59	6.6
4	171	9.0	149	8.8	118	8.6	74	6.4
6	176	12.2	144	8.3	118	8.3	69	5.7
8	175	5.6	144	8.9	115	7.8	70	5.5
10	171	10.5	147	8.3	120	8.1	68	5.1
12	165	9.2	133	8.6	109	8.1	69	6.0
14	204	7.9	138	8.9	106	8.4	61	5.8
16	202	8.8	159	9.5	123	8.6	73	6.1
18	184	8.1	138	9.6	115	9.0	66	6.1
20	186	9.8	157	9.4	129	8.6	75	5.8
22	164	8.3	140	8.7	120	8.4	71	5.8
TOTAL	2059	105.9	1655	105.6	1343	99.8	802	70.5
MEAN	172	8.8	138	8.8	112	8.3	67	5.9
MAX	204	7.9	159	9.5	129	8.6	75	5.8
(TIME)	14 : 00		16 : 00		20 : 00		20 : 00	

TIME	5/30/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	175	8.2	154	8.3	128	8.7	72	5.9
2	214	9.4	169	9.0	134	8.9	76	6.3
4	173	12.1	147	9.7	129	9.2	77	6.7
6	160	9.1	142	8.8	124	8.8	74	6.4
8	150	8.5	130	8.1	110	8.1	70	5.7
10	149	6.3	126	6.8	107	7.2	64	5.2
12	153	7.2	132	7.4	110	7.6	65	5.3
14	177	6.0	164	9.3	138	8.7	80	6.1
16	195	10.8	173	9.9	140	9.0	82	6.5
18								
20								
22								
TOTAL	1546	77.6	1337	77.3	1120	76.2	660	54.1
MEAN	172	8.6	149	8.6	124	8.5	73	6.0
MAX	214	9.4	173	9.9	140	9.0	82	6.5
(TIME)	2 : 00		16 : 00		16 : 00		16 : 00	

TIME	5/30/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	162	10.9	148	8.4	125	8.7	71	6.1
2	228	7.3	164	9.2	131	8.8	77	6.5
4	167	12.1	149	9.6	126	9.2	76	6.9
6	152	8.0	137	8.3	121	8.5	75	6.6
8	143	8.4	122	8.3	101	7.8	67	6.1
10	141	4.3	123	7.6	104	7.0	62	4.9
12	164	7.6	133	8.3	108	7.7	63	5.3
14	195	12.9	158	9.4	138	9.1	83	6.5
16	190	10.6	172	9.6	140	9.0	82	6.6
18								
20								
22								
TOTAL	1542	82.1	1306	78.7	1094	75.8	656	55.5
MEAN	171	9.1	145	8.7	122	8.4	73	6.2
MAX	228	7.3	172	9.6	140	9.0	83	6.5
(TIME)	2 : 00		16 : 00		16 : 00		14 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/31/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	143	8.5	131	8.8	105	8.7	63	6.4
20	142	9.4	102	9.0	79	8.2	44	5.3
22	122	6.7	107	9.2	85	8.4	49	5.7
TOTAL	407	24.6	340	27.0	269	25.3	156	17.4
MEAN	136	8.2	113	9.0	90	8.4	52	5.8
MAX	143	8.5	131	8.8	105	8.7	63	6.4
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	5/31/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	141	8.7	120	8.5	99	8.7	58	6.2
20	144	11.2	101	9.3	78	8.4	48	5.9
22	119	8.3	101	9.0	81	8.3	46	5.6
TOTAL	404	28.2	322	26.8	258	25.4	152	17.7
MEAN	135	9.4	107	8.9	86	8.5	51	5.9
MAX	144	11.2	120	8.5	99	8.7	58	6.2
(TIME)	20 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0	123	8.3	100	8.5	73	7.8	40	4.8
2	132	9.4	92	9.9	70	8.2	39	4.9
4	95	7.7	78	8.3	63	7.5	37	5.0
6	109	8.6	78	7.7	62	7.3	33	4.3
8	102	11.4	85	8.5	69	7.8	42	5.3
10	110	6.6	89	7.2	74	7.5	45	5.1
12	104	6.0	83	7.0	65	7.2	37	4.6
14	89	5.4	78	7.1	61	7.1	36	4.8
16	120	6.0	79	7.5	60	6.6	35	4.2
18	110	8.9	83	8.9	61	7.4	37	4.6
20	92	4.5	83	9.1	63	8.1	37	5.1
22								
TOTAL	1186	82.8	928	89.7	721	82.5	418	52.7
MEAN	108	7.5	84	8.2	66	7.5	38	4.8
MAX	132	9.4	100	8.5	74	7.5	45	5.1
(TIME)	2 : 00		0 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0	125	7.9	100	8.5	74	8.1	42	5.4
2	113	10.0	90	9.2	70	9.0	41	5.5
4	87	9.4	76	8.5	60	7.4	35	4.9
6	94	11.6	77	7.8	64	7.9	38	5.2
8	97	8.4	83	8.2	66	7.4	40	5.1
10	98	9.8	83	8.6	72	7.9	45	5.7
12	106	8.5	86	7.1	66	7.5	39	5.3
14	90	6.0	79	7.7	62	7.2	38	5.3
16	90	6.6	76	7.4	59	6.8	34	4.5
18	115	9.7	81	8.1	61	6.9	36	4.6
20	107	12.1	83	8.5	62	8.1	36	5.2
22								
TOTAL	1122	100.0	914	89.6	716	84.2	424	56.7
MEAN	102	9.1	83	8.1	65	7.7	39	5.2
MAX	125	7.9	100	8.5	74	8.1	45	5.7
(TIME)	0 : 00		0 : 00		0 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0	93	6.1	75	7.9	55	7.0	31	4.3
2	87	7.2	71	8.9	59	8.0	38	5.7
4	100	7.1	77	7.9	65	8.9	40	6.3
6	94	6.4	77	9.2	60	7.7	36	5.1
8	97	8.9	72	8.8	55	7.0	32	4.1
10								
12								
14								
16								
18	100	6.2	74	8.2	54	6.1	31	3.8
20	107	10.9	75	7.1	57	5.8	34	3.7
22	96	8.0	73	7.6	54	6.5	32	3.9
TOTAL	774	60.8	594	65.6	459	57.0	274	36.9
MEAN	97	7.6	74	8.2	57	7.1	34	4.6
MAX	107	10.9	77	7.9	65	8.9	40	6.3
(TIME)	20 : 00		4 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0	89	8.9	77	7.8	60	8.0	36	5.8
2	84	7.4	69	8.2	58	8.5	38	6.2
4	97	7.9	77	7.8	64	9.4	41	6.9
6	89	6.4	75	9.2	61	8.2	36	5.6
8	95	8.4	79	9.6	63	8.8	42	6.3
10								
12								
14								
16								
18	120	10.4	80	8.0	56	6.4	32	4.0
20	94	6.6	72	7.3	54	5.8	33	3.6
22	84	8.3	69	6.9	55	6.5	33	4.2
TOTAL	752	64.3	598	64.8	471	61.6	291	42.6
MEAN	94	8.0	75	8.1	59	7.7	36	5.3
MAX	120	10.4	80	8.0	64	9.4	42	6.3
(TIME)	18 : 00		18 : 00		4 : 00		8 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	107	7.9	81	8.3	62	6.4	37	4.1
2	99	8.5	73	6.9	60	6.0	38	4.1
4	111	4.3	85	8.3	62	5.8	38	3.7
6	93	8.6	78	6.2	61	5.2	39	3.6
8	93	8.5	78	6.0	62	5.2	40	3.7
10	119	4.9	88	5.4	69	4.5	43	3.3
12	110	7.2	93	5.2	80	4.7	51	3.5
14	135	4.0	96	5.6	80	5.3	51	3.7
16	132	4.0	101	5.8	77	5.0	47	3.6
18	152	5.9	99	5.3	78	5.0	49	3.5
20	112	6.3	91	5.1	71	4.6	46	3.4
22	132	7.6	87	6.9	71	5.9	45	3.9
TOTAL	1395	77.7	1050	75.0	833	63.6	524	44.1
MEAN	116	6.5	88	6.2	69	5.3	44	3.7
MAX	152	5.9	101	5.8	80	4.7	51	3.5
(TIME)	18 : 00		16 : 00		12 : 00		12 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	114	7.5	79	7.4	61	6.3	36	4.0
2	101	8.6	72	7.7	59	6.1	38	4.2
4	104	9.0	83	7.5	63	5.9	38	3.7
6	106	7.5	78	5.7	62	5.4	38	3.5
8	83	5.0	75	5.1	62	5.0	39	3.7
10	130	5.4	89	5.1	71	4.7	45	3.5
12	118	5.1	100	5.2	82	4.9	54	3.8
14	118	4.1	99	4.9	82	5.0	52	3.8
16	132	4.1	100	6.1	79	5.0	50	3.8
18	146	5.8	102	5.1	81	4.9	51	3.7
20	117	6.3	93	5.8	77	5.0	47	3.7
22	119	7.1	87	7.0	69	5.9	42	3.9
TOTAL	1388	75.5	1057	72.6	848	64.1	530	45.3
MEAN	116	6.3	88	6.0	71	5.3	44	3.8
MAX	146	5.8	102	5.1	82	4.9	54	3.8
(TIME)	18 : 00		18 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ HMEAN (CM)	4/1984 TMEAN (SEC)
0								
2	116	7.5	90	6.6	69	5.0	42	3.4
4	113	7.2	93	4.9	76	4.9	49	3.6
6	107	3.1	94	5.3	75	4.8	46	3.3
8	102	8.8	86	5.8	70	4.7	44	3.4
10	112	6.0	89	6.2	72	5.6	43	3.8
12								
14	120	4.2	91	4.6	70	4.3	44	3.3
16	110	7.3	84	7.2	67	5.4	42	3.6
18	123	7.9	87	5.7	68	4.9	41	3.3
20	96	6.0	71	5.9	56	4.9	37	3.3
22								
TOTAL	999	58.0	785	52.2	623	44.5	388	31.0
MEAN	111	6.4	87	5.8	69	4.9	43	3.4
MAX	123	7.9	94	5.3	76	4.9	49	3.6
(TIME)	18 : 00		6 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ HMEAN (CM)	4/1984 TMEAN (SEC)
0								
2	112	9.3	89	6.1	70	5.0	43	3.5
4	140	2.9	88	4.4	73	4.6	48	3.6
6	119	5.8	94	4.8	74	4.8	47	3.5
8	108	7.7	86	5.5	69	4.8	44	3.5
10	94	6.2	86	6.1	72	5.5	45	3.9
12								
14	111	4.0	87	5.2	69	4.8	45	3.6
16	98	6.8	76	6.6	61	5.3	38	3.3
18	119	5.0	85	5.0	69	4.7	43	3.5
20	88	5.7	72	6.4	56	4.8	37	3.3
22								
TOTAL	989	53.4	763	50.1	613	44.3	390	31.7
MEAN	110	5.9	85	5.6	68	4.9	43	3.5
MAX	140	2.9	94	4.8	74	4.8	48	3.6
(TIME)	4 : 00		6 : 00		6 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	92	8.5	78	7.1	60	6.2	34	3.9
2	116	11.1	85	7.9	63	6.2	36	3.8
4	85	7.3	69	7.3	56	6.7	32	3.8
6	102	7.6	76	8.9	60	7.2	36	4.8
8	89	6.1	69	7.5	53	6.6	30	3.9
10	99	6.6	83	7.0	65	6.6	37	4.0
12								
14	110	10.9	91	7.6	72	7.1	41	4.8
16	113	7.9	91	8.1	69	7.2	39	4.7
18	116	7.0	88	7.5	70	7.7	41	4.7
20	142	6.1	120	8.0	88	8.0	50	5.4
22								
TOTAL	1064	79.1	850	76.9	656	69.5	376	43.8
MEAN	106	7.9	85	7.7	66	6.9	38	4.4
MAX	142	6.1	120	8.0	88	8.0	50	5.4
(TIME)	20 : 00		20 : 00		20 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	6/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	97	10.3	76	7.6	59	6.4	35	4.1
2	93	8.2	81	7.4	60	5.7	34	3.5
4	84	7.8	68	7.0	54	6.6	32	4.2
6	109	7.3	73	7.8	58	7.3	36	4.8
8	84	6.2	71	8.1	56	7.3	32	4.5
10	103	7.3	82	7.4	64	6.8	38	4.5
12								
14	108	8.7	90	8.9	71	7.7	40	5.1
16	120	7.9	91	8.1	70	7.3	41	5.1
18	114	7.7	96	7.2	77	7.9	49	6.2
20	130	6.7	118	7.8	90	8.0	55	6.1
22								
TOTAL	1042	78.1	846	77.3	659	71.0	392	48.1
MEAN	104	7.8	85	7.7	66	7.1	39	4.8
MAX	130	6.7	118	7.8	90	8.0	55	6.1
(TIME)	20 : 00		20 : 00		20 : 00		20 : 00	

NO.1	6/ 6/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	151	7.0	119	8.0	97	7.6	59	5.9
2								
4	153	8.3	118	7.9	95	7.8	59	6.1
6	117	8.1	97	8.0	78	7.5	44	5.1
8	159	8.0	111	7.7	89	8.1	51	5.9
10	105	7.2	90	7.7	72	7.3	41	4.9
12	115	7.6	93	8.1	77	7.4	50	5.4
14	125	7.3	92	7.7	74	7.4	46	5.3
16	119	7.5	87	7.8	70	7.3	41	4.7
18	119	8.3	89	8.1	73	7.8	46	5.5
20	104	9.0	85	8.5	65	7.3	39	5.2
22	106	8.6	87	7.9	68	7.4	40	5.3
TOTAL	1373	86.9	1068	87.4	858	82.9	516	59.3
MEAN	125	7.9	97	7.9	78	7.5	47	5.4
MAX	159	8.0	119	8.0	97	7.6	59	5.9
(TIME)	8 : 00		0 : 00		0 : 00		0 : 00	

NO.2	6/ 6/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	145	7.1	119	8.1	95	7.7	58	6.0
2								
4	144	8.5	112	8.2	92	7.9	58	6.3
6	112	8.0	94	7.9	76	7.4	47	5.8
8	138	7.9	109	8.4	87	8.1	52	6.2
10	103	7.4	88	7.6	73	7.5	47	6.2
12	105	7.4	90	7.8	75	7.6	51	6.1
14	109	8.1	91	8.4	74	8.1	47	5.7
16	114	7.7	86	7.1	68	7.3	41	5.0
18	107	8.1	86	8.3	69	7.6	43	5.6
20	98	9.3	84	8.1	65	7.6	41	5.9
22	101	9.4	86	7.6	67	7.2	40	5.4
TOTAL	1276	88.9	1045	87.5	841	84.0	525	64.2
MEAN	116	8.1	95	8.0	77	7.6	48	5.8
MAX	145	7.1	119	8.1	95	7.7	58	6.0
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	6/ 7/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	107	7.8	92	7.5	70	7.5	39	4.9
2	123	7.7	94	8.0	72	7.8	46	6.2
4	86	8.0	80	8.4	67	7.9	43	5.9
6	91	8.0	79	7.2	67	7.7	42	5.5
8	92	7.1	82	7.9	68	7.7	42	5.6
10	105	8.1	89	7.8	71	7.7	40	4.9
12	108	9.7	92	8.3	72	7.2	41	4.5
14	138	7.7	102	7.8	76	6.6	44	4.2
16	131	8.0	105	7.8	84	7.3	51	5.0
18	130	8.3	113	8.1	90	7.6	52	5.1
20	131	8.2	98	8.2	80	7.3	48	5.0
22	120	7.8	89	7.7	70	7.1	40	4.7
TOTAL	1362	96.4	1115	94.7	887	89.4	528	61.5
MEAN	114	8.0	93	7.9	74	7.4	44	5.1
MAX	138	7.7	113	8.1	90	7.6	52	5.1
(TIME)	14 : 00		18 : 00		18 : 00		18 : 00	

TIME	6/ 7/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	98	8.2	86	7.8	71	7.4	46	6.3
2	120	8.0	92	8.2	68	7.7	43	6.1
4	88	7.0	79	8.6	65	7.9	43	6.5
6	88	10.8	78	7.8	65	7.6	44	6.0
8	86	7.7	78	8.0	66	7.7	40	5.7
10	100	7.7	85	8.1	68	7.6	39	5.1
12	101	9.5	87	8.5	68	7.2	38	4.4
14	109	8.0	99	8.3	78	7.5	45	4.7
16	110	9.1	101	7.9	81	7.0	48	4.8
18	121	7.7	109	7.9	86	7.6	50	5.1
20	117	8.1	99	7.7	79	7.2	48	5.2
22	113	7.7	88	7.8	71	7.3	43	5.2
TOTAL	1251	99.5	1081	96.6	866	89.7	527	65.1
MEAN	104	8.3	90	8.0	72	7.5	44	5.4
MAX	121	7.7	109	7.9	86	7.6	50	5.1
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	6/ 8/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	151	7.8	113	8.1	93	7.8	58	5.9
2	140	6.7	113	7.8	91	8.0	57	5.7
4	142	8.2	115	8.7	93	7.8	54	5.2
6	121	6.0	107	7.4	90	7.3	53	4.9
8	133	7.9	102	7.4	84	6.9	51	5.1
10	130	6.6	106	7.9	86	7.5	52	5.3
12								
14								
16								
18								
20								
22	112	9.6	99	7.5	78	7.6	48	5.5
TOTAL	929	52.8	755	54.8	615	52.9	373	37.6
MEAN	133	7.5	108	7.8	88	7.6	53	5.4
MAX	151	7.8	115	8.7	93	7.8	58	5.9
(TIME)	0 : 00		4 : 00		0 : 00		0 : 00	

TIME	6/ 8/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	130	8.1	109	7.8	89	8.2	59	6.2
2	123	6.7	108	7.9	88	7.8	53	5.5
4	136	8.2	111	8.4	91	8.1	57	6.1
6	124	5.7	107	8.1	91	7.6	57	5.7
8	125	7.9	104	7.6	84	7.1	53	5.6
10	135	6.9	106	7.7	81	7.0	48	5.0
12								
14								
16								
18								
20								
22	105	8.1	96	8.1	79	7.8	50	6.2
TOTAL	878	51.6	741	55.6	603	53.6	377	40.3
MEAN	125	7.4	106	7.9	86	7.7	54	5.8
MAX	136	8.2	111	8.4	91	8.1	59	6.2
(TIME)	4 : 00		4 : 00		4 : 00		0 : 00	

NO.1	6/ 9/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	137	9.5	93	7.6	79	7.7	49	6.0
2	107	8.6	92	7.9	78	7.5	50	5.6
4	101	7.7	90	7.2	71	6.7	41	4.6
6	118	5.8	92	7.4	72	7.1	43	4.8
8	149	6.5	108	6.6	86	6.7	54	5.3
10	130	7.5	108	7.3	87	7.2	52	5.1
12	152	8.9	112	7.2	86	7.2	50	4.6
14	134	10.1	104	7.9	81	7.2	49	4.5
16	135	8.7	109	8.4	85	7.5	51	4.8
18	133	8.2	94	8.8	77	7.8	45	5.3
20	138	10.7	121	8.8	90	8.0	53	5.4
22	142	7.9	114	7.4	93	7.8	56	5.8
TOTAL	1576	100.1	1237	92.5	985	88.4	593	61.8
MEAN	131	8.3	103	7.7	82	7.4	49	5.1
MAX	152	8.9	121	8.8	93	7.8	56	5.8
(TIME)	12 : 00		20 : 00		22 : 00		22 : 00	

NO.2	6/ 9/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	131	9.5	97	7.8	78	7.5	48	6.0
2	121	7.2	94	7.9	79	7.6	53	6.3
4	94	8.0	86	7.4	71	7.1	45	5.6
6	115	6.1	90	7.5	72	6.8	43	5.1
8	122	7.3	95	7.9	78	7.1	49	5.2
10	137	7.4	109	7.6	89	7.5	57	5.8
12	161	8.9	109	7.5	84	6.9	49	4.7
14	132	6.5	104	7.9	81	7.4	46	4.5
16	127	8.4	102	8.0	79	6.9	47	4.6
18	118	8.9	93	8.6	75	8.1	43	5.3
20	151	8.8	117	9.1	91	8.2	56	5.9
22	139	7.7	112	7.5	92	8.0	59	6.5
TOTAL	1548	94.7	1208	94.7	969	89.1	595	65.5
MEAN	129	7.9	101	7.9	81	7.4	50	5.5
MAX	161	8.9	117	9.1	92	8.0	59	6.5
(TIME)	12 : 00		20 : 00		22 : 00		22 : 00	

TIME	6/10/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	145	7.4	111	7.8	88	8.1	54	5.9
2	149	9.1	122	8.7	100	8.1	60	5.8
4	164	9.7	136	8.6	106	8.1	63	5.7
6	164	7.6	137	8.3	116	7.8	75	6.0
8	136	7.1	124	8.5	105	8.0	64	5.5
10	153	7.6	140	8.4	115	7.9	67	5.5
12	160	9.4	137	8.0	108	7.8	65	5.6
14	164	10.6	144	8.9	117	8.3	68	5.7
16	168	7.3	146	8.2	115	8.7	68	6.1
18	147	7.9	122	7.6	102	8.3	65	6.0
20	161	8.1	136	8.0	116	8.1	69	5.8
22	163	9.3	147	8.3	123	8.8	68	6.1
TOTAL	1874	101.1	1602	99.3	1311	98.0	786	69.7
MEAN	156	8.4	134	8.3	109	8.2	66	5.8
MAX	168	7.3	147	8.3	123	8.8	75	6.0
(TIME)	16 : 00		22 : 00		22 : 00		6 : 00	

TIME	6/10/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	146	9.1	105	7.6	84	7.9	52	6.0
2	138	9.7	122	9.1	101	8.2	65	6.7
4	174	10.2	137	8.6	107	8.0	67	6.3
6	162	9.3	139	8.1	112	8.0	72	6.1
8	129	7.4	116	8.2	97	7.8	59	5.4
10	161	8.9	142	8.9	114	8.0	67	5.9
12	158	8.1	135	8.0	104	7.9	62	5.6
14	168	10.5	148	9.1	121	8.5	71	6.3
16	159	8.8	140	8.3	113	8.6	68	6.3
18	148	7.4	114	8.2	96	8.0	62	5.9
20	166	7.8	139	8.6	115	8.4	74	6.4
22	165	11.4	143	8.7	120	9.2	69	6.6
TOTAL	1874	108.6	1580	101.4	1284	98.5	788	73.5
MEAN	156	9.0	132	8.4	107	8.2	66	6.1
MAX	174	10.2	148	9.1	121	8.5	74	6.4
(TIME)	4 : 00		14 : 00		14 : 00		20 : 00	

TIME	6/11/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	179	10.2	157	8.1	133	8.5	82	6.6
2	196	8.0	166	9.1	129	8.6	76	6.3
4	213	7.0	158	8.5	128	8.0	75	5.9
6	158	8.7	137	8.9	118	7.7	73	5.7
8	152	8.6	127	8.2	109	7.9	65	5.5
10	146	11.8	131	9.1	112	8.7	74	6.5
12	165	9.5	128	8.9	101	8.4	56	5.4
14	179	9.6	157	8.9	123	8.9	70	6.3
16	173	9.0	144	9.6	110	8.9	65	6.4
18	177	9.0	146	8.7	122	8.9	73	6.2
20	179	10.1	152	9.4	118	8.5	66	5.6
22	173	8.9	140	8.1	114	8.5	66	5.6
TOTAL	2090	110.4	1743	105.5	1417	101.5	841	72.0
MEAN	174	9.2	145	8.8	118	8.5	70	6.0
MAX	213	7.0	166	9.1	133	8.5	82	6.6
(TIME)	4 : 00		2 : 00		0 : 00		0 : 00	

TIME	6/11/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	166	10.0	153	8.4	130	8.2	85	7.0
2	186	7.9	164	9.2	129	8.7	79	6.9
4	236	7.6	160	9.0	128	8.3	78	6.2
6	166	8.4	142	7.6	120	7.9	73	5.9
8	133	8.5	122	9.2	105	8.1	64	5.7
10	166	11.3	128	9.1	107	8.8	69	6.2
12	158	9.5	129	9.3	105	8.5	62	6.2
14	179	9.8	156	9.2	121	9.2	70	6.6
16	174	9.0	146	8.9	110	8.9	67	6.9
18	175	8.9	138	9.1	117	8.9	69	6.0
20	168	11.7	156	9.5	120	8.7	71	6.3
22	171	9.1	140	8.4	114	8.3	68	6.0
TOTAL	2078	111.7	1734	106.9	1406	102.5	855	75.9
MEAN	173	9.3	145	8.9	117	8.5	71	6.3
MAX	236	7.6	164	9.2	130	8.2	85	7.0
(TIME)	4 : 00		2 : 00		0 : 00		0 : 00	

NO.1	6/12/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	165	8.1	145	8.8	120	8.7	68	5.9
2	171	7.0	128	7.8	105	8.6	65	6.4
4	168	9.4	140	9.2	109	9.1	65	6.9
6	163	8.6	118	8.9	98	8.9	61	6.6
8	144	7.3	113	8.2	89	7.7	51	5.3
10	126	8.8	117	9.1	99	8.4	58	5.8
12	138	8.6	123	8.6	96	8.4	60	6.5
14	120	11.6	110	8.8	88	8.8	54	6.7
16	170	10.5	126	9.0	100	8.9	57	6.4
18	129	9.4	110	9.0	86	8.6	46	5.5
20	163	9.2	118	8.3	93	8.1	56	6.3
22	122	9.0	105	8.3	85	8.7	48	6.3
TOTAL	1779	107.5	1453	104.0	1168	102.9	689	74.6
MEAN	148	9.0	121	8.7	97	8.6	57	6.2
MAX	171	7.0	145	8.8	120	8.7	68	5.9
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

NO.2	6/12/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	393	5.1	178	8.6	129	8.8	78	6.7
2	172	7.3	130	7.9	103	8.6	65	6.7
4	163	9.4	141	9.2	108	9.3	67	7.5
6	142	9.3	113	8.9	95	8.8	60	6.7
8	135	12.3	111	8.5	91	8.3	55	5.9
10	138	8.2	121	9.7	99	8.7	58	6.1
12	138	10.2	119	8.8	95	8.7	62	7.2
14	136	11.8	109	8.8	91	8.9	56	7.2
16	166	10.6	121	8.8	98	9.0	56	6.6
18	130	9.4	111	8.7	88	8.4	52	6.3
20	158	8.7	118	9.0	94	8.3	58	7.0
22	120	9.0	100	8.5	83	8.5	49	6.9
TOTAL	1991	111.3	1472	105.4	1174	104.3	716	80.8
MEAN	166	9.3	123	8.8	98	8.7	60	6.7
MAX	393	5.1	178	8.6	129	8.8	78	6.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	6/13/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0								
2	94	8.2	83	8.1	70	8.4	43	6.3
4	108	7.3	89	8.9	70	8.4	41	6.1
6	112	10.1	90	8.7	65	7.6	35	4.2
8	110	8.0	82	8.2	67	8.1	42	5.8
10	116	8.2	92	8.4	71	7.9	42	5.5
12								
14	110	7.6	94	8.0	77	8.0	45	5.3
16	128	8.1	104	8.4	85	8.0	54	6.2
18	100	7.4	84	8.7	66	7.9	39	5.7
20								
22	95	8.7	83	8.5	67	7.2	40	4.8
TOTAL	973	73.6	801	75.9	638	71.5	381	49.9
MEAN	108	8.2	89	8.4	71	7.9	42	5.5
MAX	128	8.1	104	8.4	85	8.0	54	6.2
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	6/13/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0								
2	89	8.8	82	8.1	69	8.0	42	6.6
4	102	7.5	87	8.4	71	8.5	43	6.7
6	101	9.2	88	9.0	70	8.6	42	6.4
8	100	8.2	79	7.9	65	8.1	41	6.1
10	102	7.9	88	8.4	71	8.0	44	6.2
12								
14	110	8.0	95	8.5	78	8.4	52	7.0
16	130	8.2	102	8.4	83	7.9	54	6.7
18	102	7.9	82	8.5	65	7.7	39	5.7
20								
22	92	7.9	85	8.1	67	7.3	39	4.6
TOTAL	928	73.6	788	75.3	639	72.5	396	56.0
MEAN	103	8.2	88	8.4	71	8.1	44	6.2
MAX	130	8.2	102	8.4	83	7.9	54	6.7
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	6/14/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	137	7.4	100	7.5	78	6.9	45	4.3
2	135	7.6	117	7.8	96	7.0	58	4.7
4	144	7.4	132	7.1	112	7.1	72	5.5
6	192	5.2	139	6.8	108	7.3	69	5.5
8								
10	151	9.0	122	7.4	100	6.8	64	5.1
12	136	7.2	127	7.6	106	7.2	69	5.2
14	163	8.2	142	8.5	110	7.4	67	5.5
16								
18	159	8.3	138	8.3	108	7.5	69	5.8
20	233	7.9	142	7.5	107	7.3	61	4.7
22	154	7.8	136	7.9	109	7.6	64	5.2
TOTAL	1604	76.0	1295	76.4	1034	72.1	638	51.5
MEAN	160	7.6	130	7.6	103	7.2	64	5.1
MAX	233	7.9	142	8.5	112	7.1	72	5.5
(TIME)	20 : 00		14 : 00		4 : 00		4 : 00	

TIME	6/14/1984							
	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	128	8.3	101	6.8	80	7.1	46	4.5
2	149	7.6	121	7.7	98	7.5	61	5.1
4	142	7.6	127	7.5	112	7.4	70	5.6
6	181	4.9	136	6.8	107	7.3	67	5.6
8								
10	155	5.6	118	7.6	99	6.9	63	5.0
12	158	8.2	125	7.3	103	6.9	65	4.7
14	154	8.4	133	8.4	104	7.4	64	5.3
16								
18	168	8.0	135	8.0	106	7.6	70	6.1
20	196	8.5	138	7.9	103	7.0	60	4.8
22	140	6.0	124	8.4	102	7.8	60	5.2
TOTAL	1571	73.1	1258	76.4	1014	72.9	626	51.9
MEAN	157	7.3	126	7.6	101	7.3	63	5.2
MAX	196	8.5	138	7.9	112	7.4	70	5.6
(TIME)	20 : 00		20 : 00		4 : 00		4 : 00	

6/15/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	153	8.9	128	8.1	100	7.6	61	5.6
2	127	8.2	107	7.8	87	7.5	54	5.6
4	142	9.0	105	8.4	87	8.0	53	5.6
6	132	8.3	116	7.9	93	8.3	50	5.1
8	140	10.6	108	9.1	88	8.4	49	5.4
10	128	6.1	99	7.5	82	8.0	53	5.4
12	123	9.0	108	7.7	88	7.8	54	5.7
14	156	7.4	122	8.1	96	8.4	61	6.2
16	126	7.7	96	8.0	79	8.1	46	5.1
18	182	11.6	133	8.8	97	8.6	58	6.4
20	111	8.5	99	9.4	76	8.6	44	5.7
22	133	7.7	121	9.0	97	8.9	54	6.1
TOTAL	1653	103.0	1342	99.8	1070	98.2	637	67.9
MEAN	138	8.6	112	8.3	89	8.2	53	5.7
MAX	182	11.6	133	8.8	100	7.6	61	5.6
(TIME)	18 : 00		18 : 00		0 : 00		0 : 00	

6/15/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	145	5.8	129	8.0	100	7.4	63	5.8
2	131	8.6	104	8.1	82	7.4	51	5.4
4	149	9.4	106	7.8	89	8.1	54	6.0
6	134	7.0	119	7.7	95	8.5	56	6.2
8	129	10.4	109	9.1	87	8.2	49	5.5
10	124	6.0	99	7.6	84	7.6	55	5.8
12	123	8.4	110	7.9	87	7.7	53	5.6
14	134	7.2	109	7.0	88	8.0	55	5.8
16	124	8.5	97	9.0	79	8.0	46	5.3
18	162	11.3	132	9.0	96	8.5	57	6.6
20	116	8.5	101	9.0	79	8.7	47	6.1
22	131	11.6	122	8.8	99	9.2	57	6.9
TOTAL	1602	102.7	1337	99.0	1065	97.3	643	71.0
MEAN	134	8.6	111	8.2	89	8.1	54	5.9
MAX	162	11.3	132	9.0	100	7.4	63	5.8
(TIME)	18 : 00		18 : 00		0 : 00		0 : 00	

6/16/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	120	8.1	99	8.7	79	8.6	44	5.7
2	137	8.2	114	9.3	86	8.6	48	6.2
4	105	9.0	97	9.3	82	9.0	48	6.5
6	123	9.2	103	9.4	85	8.3	52	6.8
8	132	11.0	107	9.6	77	8.3	40	4.8
10	124	10.9	103	9.8	84	9.1	50	6.4
12	133	7.0	114	8.5	88	8.6	52	6.0
14	127	8.7	110	8.5	84	8.0	45	4.8
16	130	9.9	104	8.3	80	7.9	46	5.2
18	99	7.9	91	8.3	75	7.9	44	5.5
20	117	10.4	104	9.5	86	9.0	49	5.8
22	116	9.7	102	9.9	79	9.0	42	5.5
TOTAL	1463	110.0	1248	109.1	985	102.3	560	69.2
MEAN	122	9.2	104	9.1	82	8.5	47	5.8
MAX	137	8.2	114	9.3	88	8.6	52	6.8
(TIME)	2 : 00		2 : 00		12 : 00		6 : 00	

6/16/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	123	12.4	101	9.6	82	8.8	48	6.7
2	145	8.0	116	9.6	89	9.3	52	6.9
4	108	8.9	97	9.6	82	9.3	52	7.4
6	138	8.1	106	9.1	86	8.8	51	7.1
8	129	11.2	117	9.9	89	9.1	53	7.1
10	120	10.6	99	10.2	80	9.3	47	6.6
12	142	12.5	114	8.6	91	8.6	54	6.6
14	148	7.5	116	8.8	88	8.7	49	5.5
16	128	9.0	109	8.3	83	8.3	48	5.6
18	105	7.6	88	7.9	72	7.9	41	5.4
20	119	8.3	105	9.6	85	8.7	48	6.0
22	126	10.5	105	9.9	82	9.9	49	7.2
TOTAL	1531	114.6	1273	111.1	1009	106.7	592	78.1
MEAN	128	9.5	106	9.3	84	8.9	49	6.5
MAX	148	7.5	117	9.9	91	8.6	54	6.6
(TIME)	14 : 00		8 : 00		12 : 00		12 : 00	

6/17/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	131	9.2	106	9.8	83	9.1	47	5.8
2	111	7.7	94	8.4	72	8.1	40	5.5
4								
6	135	8.7	93	9.0	69	8.3	39	5.9
8	103	7.3	80	8.7	67	8.6	43	6.1
10	137	7.2	104	7.6	78	8.9	42	5.5
12	125	7.8	94	8.3	74	7.3	42	4.7
14	133	8.0	110	7.8	87	8.1	50	5.2
16								
18	132	6.0	101	9.3	80	8.4	48	5.5
20	129	10.0	100	9.1	76	8.0	43	5.1
22	136	7.6	102	9.3	80	8.6	46	5.6
TOTAL	1272	79.5	984	87.3	766	83.4	440	54.9
MEAN	127	7.9	98	8.7	77	8.3	44	5.5
MAX	137	7.2	110	7.8	87	8.1	50	5.2
(TIME)	10 : 00		14 : 00		14 : 00		14 : 00	

6/17/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	130	9.3	103	10.0	82	8.9	47	6.3
2	103	8.0	86	9.0	70	8.5	41	6.1
4								
6	145	9.2	95	9.2	68	8.7	39	6.2
8	108	7.5	81	9.0	65	8.4	39	5.6
10	129	7.4	99	8.0	76	9.0	43	5.9
12	111	8.5	95	9.3	77	8.1	45	5.3
14	122	11.1	104	8.5	85	8.1	47	4.9
16								
18	123	7.6	102	9.2	82	8.2	49	5.6
20	130	9.9	100	8.6	74	7.8	45	5.6
22	141	7.3	100	8.8	80	8.9	49	6.0
TOTAL	1242	85.8	965	89.6	759	84.6	444	57.5
MEAN	124	8.6	97	9.0	76	8.5	44	5.7
MAX	145	9.2	104	8.5	85	8.1	49	5.6
(TIME)	6 : 00		14 : 00		14 : 00		18 : 00	

6/18/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	126	7.4	100	7.7	79	7.8	48	5.7
2	106	8.4	85	9.1	68	8.2	38	5.1
4	104	5.3	91	8.0	74	8.2	44	5.5
6	111	7.6	84	8.5	67	7.9	40	5.3
8	128	7.2	97	8.1	74	8.0	43	5.2
10	115	6.2	81	7.8	62	7.2	34	4.2
12	113	8.5	84	8.0	65	7.5	38	4.9
14	102	7.1	87	8.1	69	7.8	40	5.3
16	109	8.0	86	8.3	65	7.3	36	4.4
18	113	6.9	89	8.1	67	7.4	40	5.0
20	91	8.3	77	8.7	62	8.7	37	5.9
22	94	9.5	71	9.4	58	8.7	34	5.7
TOTAL	1312	90.4	1032	99.8	810	94.7	472	62.2
MEAN	109	7.5	86	8.3	68	7.9	39	5.2
MAX	128	7.2	100	7.7	79	7.8	48	5.7
(TIME)	8 : 00		0 : 00		0 : 00		0 : 00	

6/18/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	118	7.7	100	8.1	79	7.9	51	6.5
2	114	11.1	87	10.7	71	9.1	44	6.4
4	100	7.3	89	8.7	74	8.0	44	5.6
6	104	8.3	83	9.1	65	8.4	38	5.4
8	106	7.7	92	8.3	74	7.8	43	5.3
10	104	6.7	83	7.8	64	7.6	36	5.2
12	106	11.2	84	8.2	64	8.1	38	5.3
14	99	7.2	86	8.4	68	8.3	40	5.6
16	102	9.6	84	7.9	67	8.3	42	5.8
18	108	7.7	84	7.9	67	7.6	42	5.8
20	88	8.2	78	9.4	64	9.4	40	6.7
22	98	10.4	71	9.5	58	9.1	34	6.4
TOTAL	1247	103.1	1021	104.0	815	99.6	492	70.0
MEAN	104	8.6	85	8.7	68	8.3	41	5.8
MAX	118	7.7	100	8.1	79	7.9	51	6.5
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

6/19/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	96	7.9	73	8.0	55	7.6	32	4.6
2	93	5.7	71	8.9	52	7.6	30	4.9
4	78	9.7	66	9.0	53	7.8	30	5.1
6	88	6.6	71	7.7	55	7.6	31	4.9
8	77	5.4	65	8.3	49	6.8	30	4.5
10	98	11.2	60	7.8	45	6.6	27	4.2
12	76	12.1	61	8.3	46	7.5	26	4.7
14	79	8.3	64	9.6	48	8.0	26	4.8
16	70	10.0	46	6.2	35	5.2	21	3.1
18	66	8.3	55	7.9	42	7.4	24	4.3
20	103	9.2	71	8.3	56	8.5	33	5.9
22	91	9.8	64	8.6	47	7.6	27	4.6
TOTAL	1015	104.2	767	98.6	583	88.2	337	55.6
MEAN	85	8.7	64	8.2	49	7.3	28	4.6
MAX	103	9.2	73	8.0	56	8.5	33	5.9
(TIME)	20 : 00		0 : 00		20 : 00		20 : 00	

6/19/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	93	8.4	76	7.9	60	8.3	36	6.1
2	97	11.9	69	9.3	53	8.3	34	6.6
4	84	9.7	63	8.3	52	7.6	30	5.4
6	79	8.9	68	8.7	55	7.9	32	5.4
8	82	9.7	67	8.2	52	8.0	30	5.1
10	86	11.6	62	8.9	49	8.3	29	5.8
12	83	7.0	62	8.7	44	8.5	25	5.3
14	70	10.0	61	9.9	46	8.9	27	5.7
16	80	8.8	52	8.4	41	8.2	25	5.7
18	76	6.9	58	8.3	46	9.0	27	6.0
20	101	8.9	67	8.8	54	8.3	31	5.8
22	91	10.1	64	8.2	49	8.3	30	5.7
TOTAL	1012	111.9	769	103.6	601	99.6	356	68.6
MEAN	84	9.3	64	8.6	50	8.3	30	5.7
MAX	101	8.9	76	7.9	60	8.3	36	6.1
(TIME)	20 : 00		0 : 00		0 : 00		0 : 00	

6/20/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	72	7.4	56	7.4	42	6.6	24	4.2
2	74	8.5	57	7.3	42	6.2	24	3.7
4	110	8.9	60	7.5	45	6.4	26	4.0
6	90	7.6	63	7.8	48	7.5	28	4.8
8	62	11.1	52	8.0	42	7.2	24	4.6
10	66	8.3	53	7.8	40	6.9	24	4.3
12	65	8.5	49	7.8	37	6.2	21	3.6
14	72	10.9	56	8.0	45	7.4	24	4.6
16	60	6.5	48	8.5	36	6.8	21	4.0
18	62	9.3	49	9.2	39	7.4	23	4.6
20	65	7.6	51	8.3	40	7.0	22	4.1
22	76	8.5	49	7.9	36	5.8	21	3.3
TOTAL	874	103.1	643	95.5	492	81.4	282	49.8
MEAN	73	8.6	54	8.0	41	6.8	24	4.1
MAX	110	8.9	63	7.8	48	7.5	28	4.8
(TIME)	4 : 00		6 : 00		6 : 00		6 : 00	

6/20/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	68	7.2	55	8.0	45	8.2	26	5.3
2	80	10.2	63	9.2	49	8.8	29	5.5
4	97	9.3	64	8.2	51	8.1	30	5.6
6	69	7.8	57	7.9	45	7.5	25	4.6
8	64	6.8	55	8.4	44	8.1	27	5.8
10	78	8.4	55	8.1	40	7.1	24	5.0
12	61	6.8	50	9.2	38	7.5	23	4.9
14	72	9.5	50	8.0	37	7.7	22	5.1
16	56	6.4	46	8.4	35	7.4	21	4.7
18	63	11.9	45	8.8	36	8.3	22	5.4
20	61	7.6	49	8.1	40	8.0	23	4.7
22	61	8.8	48	7.8	36	6.1	21	3.7
TOTAL	830	100.7	637	100.1	496	92.8	293	60.3
MEAN	69	8.4	53	8.3	41	7.7	24	5.0
MAX	97	9.3	64	8.2	51	8.1	30	5.6
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

6/21/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	55	6.4	42	8.6	31	6.2	18	3.5
2	83	7.2	59	5.4	47	4.2	30	2.9
4	91	3.3	74	4.9	62	4.2	41	3.3
6	102	3.4	84	3.8	70	3.9	46	3.1
8	143	4.6	103	4.5	82	4.4	54	3.5
10	131	4.4	103	4.2	84	4.4	56	3.5
12	140	5.8	100	4.9	80	4.8	50	3.5
14	117	5.5	100	4.5	78	4.6	50	3.5
16	151	5.0	101	5.1	83	4.9	52	3.6
18	132	5.1	98	5.3	81	5.1	52	3.8
20	131	5.1	100	5.3	80	5.3	51	4.0
22								
TOTAL	1276	55.8	964	56.5	778	52.0	500	38.2
MEAN	116	5.1	88	5.1	71	4.7	46	3.5
MAX	151	5.0	103	4.5	84	4.4	56	3.5
(TIME)	16 : 00		8 : 00		10 : 00		10 : 00	

6/21/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	55	9.3	46	8.6	33	7.6	19	4.4
2	77	7.7	61	4.9	47	3.7	31	2.7
4	112	4.0	77	5.3	61	4.3	40	3.3
6	98	3.4	86	3.8	71	3.9	47	3.2
8	115	5.3	103	4.7	85	4.1	51	3.2
10	132	4.4	103	4.2	84	4.1	55	3.3
12	143	3.6	104	4.7	81	4.5	51	3.6
14	119	3.9	98	4.6	80	4.5	50	3.4
16	142	5.2	105	4.9	84	4.9	52	3.7
18	135	4.7	101	5.1	81	5.0	51	3.9
20	119	5.3	97	5.0	79	5.1	49	3.7
22								
TOTAL	1247	56.8	981	55.8	786	51.7	496	38.4
MEAN	113	5.2	89	5.1	72	4.7	45	3.5
MAX	143	3.6	105	4.9	85	4.1	55	3.3
(TIME)	12 : 00		16 : 00		8 : 00		10 : 00	

6/22/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	98	5.9	83	5.1	69	5.1	43	3.7
2	112	5.3	83	5.3	69	5.5	44	4.0
4	122	5.6	98	5.6	82	5.4	51	4.0
6	141	6.3	109	5.5	83	5.2	52	3.7
8	118	6.7	84	5.2	66	5.0	42	3.7
10	101	5.7	90	4.9	74	5.3	46	4.0
12	91	4.2	76	5.3	62	5.3	37	3.7
14	81	7.3	71	5.9	57	5.3	35	3.7
16	97	4.9	67	5.9	55	5.5	33	3.6
18	79	5.5	65	6.3	52	5.6	32	3.7
20	71	7.0	59	7.2	47	6.0	28	3.7
22	83	6.3	68	7.4	53	6.5	31	4.4
TOTAL	1194	70.7	953	69.6	769	65.7	474	45.9
MEAN	100	5.9	79	5.8	64	5.5	40	3.8
MAX	141	6.3	109	5.5	83	5.2	52	3.7
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

6/22/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	95	5.9	83	5.0	67	4.8	43	3.7
2	101	4.4	85	5.6	71	5.4	46	4.2
4	123	5.7	100	5.2	83	5.1	53	4.0
6	141	5.4	105	5.6	81	5.0	52	4.0
8	123	5.1	86	5.0	68	5.2	42	3.8
10	99	5.7	90	5.4	73	5.3	46	4.1
12	106	9.0	79	5.8	63	5.2	39	3.8
14	88	7.2	76	5.4	62	5.3	38	3.9
16	79	5.4	68	5.6	56	5.3	34	3.9
18	81	8.2	69	7.8	56	6.3	36	4.5
20	76	6.6	61	7.0	47	6.4	29	4.1
22	89	3.9	68	7.8	52	6.5	32	4.6
TOTAL	1201	72.5	970	71.2	779	65.8	490	48.6
MEAN	100	6.0	81	5.9	65	5.5	41	4.0
MAX	141	5.4	105	5.6	83	5.1	53	4.0
(TIME)	6 : 00		6 : 00		4 : 00		4 : 00	

6/23/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2	83	8.1	67	7.1	52	6.3	31	4.2
4	80	6.3	60	6.7	48	5.9	31	4.0
6	104	7.4	76	6.2	59	5.4	37	3.7
8	104	4.5	84	5.6	67	4.8	41	3.3
10	104	3.5	80	5.5	65	4.8	43	3.6
12	107	4.1	87	6.5	68	5.9	40	3.9
14	96	5.4	74	6.5	59	5.6	38	4.1
16	131	5.7	96	6.9	77	6.3	45	4.3
18	183	5.5	114	6.5	86	5.7	52	4.0
20	143	9.6	94	7.0	75	6.2	46	4.2
22	120	5.2	97	6.3	79	6.2	48	4.3
TOTAL	1255	65.3	929	70.8	735	63.1	452	43.6
MEAN	114	5.9	85	6.4	67	5.7	41	4.0
MAX	183	5.5	114	6.5	86	5.7	52	4.0
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

6/23/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2	91	7.6	70	7.3	55	6.7	32	4.6
4	85	6.4	63	6.5	50	6.0	32	4.1
6	99	7.1	75	6.3	58	5.2	38	3.6
8	101	8.3	83	6.1	66	5.0	41	3.4
10	97	7.2	81	4.9	66	4.6	41	3.4
12	104	5.6	84	6.2	68	5.8	42	4.1
14	100	5.2	70	6.2	58	5.5	40	4.4
16	114	5.6	94	6.3	76	6.2	46	4.5
18	176	5.8	115	6.2	90	6.0	57	4.7
20	128	6.4	94	6.6	75	6.0	46	4.1
22	114	5.4	94	6.7	77	6.1	50	4.5
TOTAL	1209	70.6	923	69.3	739	63.1	465	45.4
MEAN	110	6.4	84	6.3	67	5.7	42	4.1
MAX	176	5.8	115	6.2	90	6.0	57	4.7
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

6/24/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	115	6.4	95	7.3	77	6.8	45	4.7
2	90	5.7	79	7.5	64	6.1	38	4.1
4	106	7.5	76	7.6	59	6.8	32	3.8
6	109	5.7	81	7.6	63	7.2	38	4.6
8	106	7.7	85	7.8	68	7.3	40	4.6
10	86	7.4	75	8.2	61	6.7	37	4.6
12	94	7.1	83	8.4	65	7.9	41	5.3
14	117	7.7	88	7.0	68	7.0	42	4.9
16	122	8.1	88	7.2	69	7.4	40	4.7
18	88	6.9	69	7.1	55	6.9	33	4.5
20	92	6.3	74	6.9	57	6.7	36	5.1
22	98	7.3	84	7.0	69	6.9	41	4.9
TOTAL	1223	83.8	977	89.6	775	83.7	463	55.8
MEAN	102	7.0	81	7.5	65	7.0	39	4.6
MAX	122	8.1	95	7.3	77	6.8	45	4.7
(TIME)	16 : 00		0 : 00		0 : 00		0 : 00	

6/24/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	112	10.0	92	6.7	76	6.6	45	4.5
2	87	7.3	81	7.2	66	7.0	41	4.8
4	107	7.0	78	8.4	61	7.9	35	5.0
6	102	6.4	80	7.1	62	7.1	38	5.0
8	102	7.8	84	7.9	67	7.3	40	5.1
10	90	7.6	76	8.3	63	7.2	40	5.4
12	88	10.9	77	8.5	62	7.8	39	5.5
14	125	7.5	93	7.3	70	7.1	45	5.5
16	119	8.2	93	8.0	75	7.9	45	5.8
18	95	6.9	70	7.0	55	7.1	34	5.0
20	88	6.3	70	7.2	56	6.7	35	5.0
22	97	6.5	86	7.1	69	6.9	43	5.5
TOTAL	1212	92.4	980	90.7	782	86.6	480	62.1
MEAN	101	7.7	82	7.6	65	7.2	40	5.2
MAX	125	7.5	93	7.3	76	6.6	45	4.5
(TIME)	14 : 00		14 : 00		0 : 00		0 : 00	

6/25/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	112	6.8	84	6.9	66	7.2	40	5.5
2	97	6.9	67	7.1	51	6.4	31	4.2
4	79	7.0	69	6.8	55	6.3	33	4.3
6	81	7.1	68	7.5	54	6.6	32	4.3
8	85	8.1	68	6.7	53	5.8	31	3.8
10	87	7.5	67	5.3	51	4.6	31	3.1
12	92	5.8	72	5.4	59	4.6	36	3.3
14	96	4.0	78	5.1	64	4.7	41	3.4
16	130	7.3	87	6.2	67	5.2	42	3.9
18	110	6.5	95	5.8	74	5.9	48	4.4
20	137	5.9	98	5.3	78	5.0	50	3.9
22	132	4.4	101	5.2	82	5.3	55	4.2
TOTAL	1238	77.3	954	73.3	754	67.6	470	48.3
MEAN	103	6.4	80	6.1	63	5.6	39	4.0
MAX	137	5.9	101	5.2	82	5.3	55	4.2
(TIME)	20 : 00		22 : 00		22 : 00		22 : 00	

6/25/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	113	7.2	83	7.5	62	7.1	37	5.1
2	99	7.5	66	6.9	55	6.5	34	4.8
4	77	6.8	68	6.8	55	6.8	33	4.8
6	87	6.9	67	7.0	54	6.6	33	4.5
8	78	6.2	67	6.8	54	6.5	32	4.2
10	85	7.7	69	5.9	54	5.1	31	3.3
12	95	4.5	73	5.5	56	4.9	35	3.4
14	128	5.3	82	5.6	64	5.0	42	3.6
16	143	7.0	89	6.3	68	5.3	42	3.9
18	126	5.8	92	6.1	72	6.0	44	4.1
20	111	4.6	97	5.2	76	5.1	49	4.0
22	128	5.9	95	5.7	79	5.2	52	4.1
TOTAL	1270	75.4	948	75.3	749	70.1	464	49.8
MEAN	106	6.3	79	6.3	62	5.8	39	4.1
MAX	143	7.0	97	5.2	79	5.2	52	4.1
(TIME)	16 : 00		20 : 00		22 : 00		22 : 00	

6/26/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	170	5.4	111	4.8	86	5.2	54	4.1
2	119	4.3	96	5.3	76	5.3	46	3.7
4	103	5.4	77	4.6	65	4.5	43	3.5
6	115	6.4	97	4.9	76	4.7	48	3.5
8	110	5.4	90	5.2	75	5.1	46	3.8
10	97	3.8	81	5.0	65	4.4	40	3.4
12	111	4.8	86	5.0	70	4.9	44	3.5
14	136	7.2	107	5.9	84	5.4	52	3.9
16	125	7.3	101	6.5	83	6.1	55	4.5
18	146	6.8	117	7.1	93	6.6	54	4.4
20	169	8.0	143	8.2	121	7.9	77	5.6
22	213	8.0	181	8.0	153	8.5	94	6.3
TOTAL	1614	72.8	1287	70.5	1047	68.6	653	50.2
MEAN	135	6.1	107	5.9	87	5.7	54	4.2
MAX	213	8.0	181	8.0	153	8.5	94	6.3
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

6/26/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	182	5.3	107	4.9	88	5.1	54	4.1
2	113	4.6	97	5.2	77	5.0	47	3.7
4	113	4.9	83	5.2	66	4.6	41	3.4
6	109	4.2	92	4.9	76	5.0	47	3.6
8	114	4.4	91	5.1	76	4.9	47	3.7
10	111	3.7	83	4.9	69	4.9	43	3.4
12	113	4.6	88	4.8	71	4.9	45	3.5
14	127	6.5	104	5.6	82	5.4	52	3.9
16	124	7.5	105	6.6	85	6.3	55	4.4
18	170	7.0	119	7.0	96	6.9	59	4.7
20	180	7.6	147	8.8	126	8.2	79	6.0
22	199	9.5	174	7.9	152	8.5	94	6.5
TOTAL	1655	69.8	1290	70.9	1064	69.7	663	50.9
MEAN	138	5.8	108	5.9	89	5.8	55	4.2
MAX	199	9.5	174	7.9	152	8.5	94	6.5
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

6/27/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	225	9.1	182	9.1	149	8.6	89	6.3
2	246	7.9	173	8.4	138	8.3	85	6.3
4	204	7.9	187	8.4	158	8.3	99	6.3
6	191	9.1	163	8.3	138	7.5	88	5.3
8	169	6.5	153	7.5	124	7.4	76	5.0
10	243	7.8	157	6.9	127	7.3	75	5.0
12	182	6.3	161	7.4	134	7.6	79	5.2
14	242	8.3	165	8.2	131	7.6	76	4.9
16	220	8.9	171	7.7	135	7.0	86	5.2
18	193	5.2	157	7.1	127	6.6	75	4.6
20	188	6.3	151	7.3	118	7.1	73	4.8
22	176	8.5	149	8.3	120	7.9	72	5.2
TOTAL	2479	91.8	1969	94.6	1599	91.2	973	64.1
MEAN	207	7.6	164	7.9	133	7.6	81	5.3
MAX	246	7.9	187	8.4	158	8.3	99	6.3
(TIME)	2 : 00		4 : 00		4 : 00		4 : 00	

6/27/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	227	9.2	182	8.8	152	8.8	93	6.4
2	268	8.3	170	8.7	137	8.3	81	5.9
4	206	9.3	188	8.7	154	8.0	92	5.8
6	187	8.9	163	8.1	138	7.5	86	5.1
8	197	9.9	153	7.9	130	7.4	79	5.4
10	242	7.9	161	7.4	130	7.0	79	5.3
12	193	7.0	158	7.2	134	7.6	77	4.9
14	246	7.2	178	8.2	139	8.1	83	5.6
16	213	9.2	170	7.9	137	7.2	85	5.2
18	218	5.6	167	7.7	130	6.8	76	4.6
20	189	6.0	151	7.3	123	6.8	78	5.0
22	181	10.4	151	8.6	125	7.6	76	5.4
TOTAL	2567	98.9	1992	96.5	1629	91.1	985	64.6
MEAN	214	8.2	166	8.0	136	7.6	82	5.4
MAX	268	8.3	188	8.7	154	8.0	93	6.4
(TIME)	2 : 00		4 : 00		4 : 00		0 : 00	

6/28/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	171	8.9	129	7.6	105	7.1	61	4.7
2	161	7.4	141	7.9	119	7.7	69	5.5
4	204	9.3	170	8.3	130	8.2	77	6.1
6	141	7.8	118	8.6	99	7.9	59	5.5
8	149	8.5	137	7.6	115	7.6	70	5.5
10	157	7.9	139	8.3	115	8.0	73	5.8
12	190	10.8	156	8.2	121	7.4	75	5.7
14								
16								
18								
20								
22								
TOTAL	1173	60.6	990	56.5	804	53.9	484	38.8
MEAN	168	8.7	141	8.1	115	7.7	69	5.5
MAX	204	9.3	170	8.3	130	8.2	77	6.1
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

6/28/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	178	8.2	137	8.4	108	7.3	67	5.2
2	153	8.0	142	7.6	118	7.7	72	5.7
4	208	10.0	167	8.3	130	8.0	76	6.0
6	133	7.9	116	7.5	102	7.8	61	5.7
8	150	7.9	133	7.8	113	7.5	70	5.5
10	149	8.1	141	8.4	117	8.1	73	5.7
12	185	11.7	148	8.3	119	7.9	75	6.0
14								
16								
18								
20								
22								
TOTAL	1156	61.8	984	56.3	807	54.3	494	39.8
MEAN	165	8.8	141	8.0	115	7.8	71	5.7
MAX	208	10.0	167	8.3	130	8.0	76	6.0
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

6/29/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10	186	6.9	148	8.0	118	7.0	70	4.7
12	210	9.0	158	6.0	122	6.7	72	4.6
14	207	6.9	182	8.3	151	8.8	93	6.0
16	191	10.8	176	9.1	147	8.0	85	5.6
18	191	11.2	169	9.5	125	8.0	73	5.2
20	182	7.6	149	8.5	126	8.3	79	6.3
22	158	6.6	137	9.0	110	8.3	66	5.8
TOTAL	1325	59.0	1119	58.4	899	55.1	538	38.2
MEAN	189	8.4	160	8.3	128	7.9	77	5.5
MAX	210	9.0	182	8.3	151	8.8	93	6.0
(TIME)	12 : 00		14 : 00		14 : 00		14 : 00	

6/29/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10	179	7.0	148	7.1	118	6.6	70	4.6
12	222	8.5	162	7.3	129	7.2	75	5.0
14	196	6.8	172	8.4	144	8.2	90	5.6
16	202	10.6	177	8.8	149	7.5	89	5.6
18	191	9.7	162	9.2	126	8.1	74	5.3
20	183	7.6	146	8.0	124	8.5	83	6.6
22	158	7.5	135	9.5	111	8.6	71	6.4
TOTAL	1331	57.7	1102	58.3	901	54.7	552	39.1
MEAN	190	8.2	157	8.3	129	7.8	79	5.6
MAX	222	8.5	177	8.8	149	7.5	90	5.6
(TIME)	12 : 00		16 : 00		16 : 00		14 : 00	

6/30/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	219	9.4	162	9.0	129	9.3	73	6.4
2	150	9.1	127	8.8	106	8.7	64	6.6
4	171	11.4	142	8.8	113	9.4	70	7.1
6	175	8.5	162	9.6	142	9.0	85	6.6
8	174	11.3	151	6.9	126	7.5	76	5.8
10	155	10.4	115	7.9	93	7.0	56	4.6
12	189	4.3	146	6.6	117	6.7	68	4.7
14	188	8.5	154	7.6	123	8.2	76	5.9
16	173	10.5	155	9.9	129	9.3	78	6.3
18								
20	156	7.7	138	9.0	114	8.9	65	6.6
22	160	8.0	142	9.1	116	8.8	66	6.3
TOTAL	1910	99.1	1594	93.2	1308	92.8	777	66.9
MEAN	174	9.0	145	8.5	119	8.4	71	6.1
MAX	219	9.4	162	9.0	142	9.0	85	6.6
(TIME)	0 : 00		0 : 00		6 : 00		6 : 00	

6/30/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	200	8.6	161	8.6	125	8.8	73	6.5
2	148	9.0	131	8.7	106	8.4	62	6.3
4	174	11.3	138	9.8	108	9.6	69	7.2
6	187	7.6	173	8.3	147	9.1	94	7.3
8	168	5.9	141	7.2	123	8.1	76	6.0
10	155	6.3	120	6.4	97	6.6	59	4.8
12	182	5.3	155	6.6	119	7.1	75	5.3
14	193	8.1	154	7.7	125	8.2	75	5.9
16	180	10.6	157	10.1	134	8.8	83	6.5
18								
20	152	7.7	138	10.3	116	9.6	74	7.5
22	160	8.8	144	9.1	118	9.2	72	7.3
TOTAL	1899	89.2	1612	92.8	1318	93.5	812	70.6
MEAN	173	8.1	147	8.4	120	8.5	74	6.4
MAX	200	8.6	173	8.3	147	9.1	94	7.3
(TIME)	0 : 00		6 : 00		6 : 00		6 : 00	

7/ 1/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	162	7.0	143	9.9	110	9.4	61	6.4
2								
4	169	9.4	154	10.8	123	9.2	71	7.1
6	191	7.9	130	8.9	101	8.6	59	5.9
8	144	10.7	127	8.7	102	8.7	59	5.8
10	139	13.2	121	8.6	99	7.5	60	5.1
12	175	4.9	127	8.4	102	7.4	62	5.3
14	126	8.0	114	8.3	92	8.3	54	5.2
16								
18								
20								
22								
TOTAL	1106	61.1	916	63.6	729	59.1	426	40.8
MEAN	158	8.7	131	9.1	104	8.4	61	5.8
MAX	191	7.9	154	10.8	123	9.2	71	7.1
(TIME)	6 : 00		4 : 00		4 : 00		4 : 00	

7/ 1/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	166	7.2	143	9.7	116	9.7	73	8.1
2								
4	164	9.3	152	10.8	122	9.5	72	7.3
6	185	11.6	129	10.0	104	8.9	63	6.5
8	146	10.9	128	8.1	101	8.1	60	5.8
10	136	6.3	124	8.2	103	7.4	63	5.2
12	181	4.9	130	7.6	103	7.7	64	5.5
14	143	8.2	118	8.3	97	8.3	58	5.6
16								
18								
20								
22								
TOTAL	1121	58.4	924	62.7	746	59.6	453	44.0
MEAN	160	8.3	132	9.0	107	8.5	65	6.3
MAX	185	11.6	152	10.8	122	9.5	73	8.1
(TIME)	6 : 00		4 : 00		4 : 00		0 : 00	

7/ 2/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4	113	9.2	98	9.3	73	8.2	42	5.9
6	132	9.9	107	8.7	83	8.5	51	6.0
8	112	12.3	101	7.7	78	8.2	44	5.5
10	123	9.4	88	8.6	70	7.9	41	5.3
12	109	8.9	90	8.6	72	8.2	41	5.4
14	133	7.6	104	8.3	84	8.6	49	6.1
16	130	8.3	95	9.1	74	8.7	43	6.2
18	93	8.1	81	8.4	69	9.0	41	6.4
20	115	7.3	96	9.6	76	9.2	46	6.8
22	121	10.9	104	9.0	82	8.7	47	6.3
TOTAL	1181	91.9	964	87.3	761	85.2	445	59.9
MEAN	118	9.2	96	8.7	76	8.5	45	6.0
MAX	133	7.6	107	8.7	84	8.6	51	6.0
(TIME)	14 : 00		6 : 00		14 : 00		6 : 00	

7/ 2/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4	112	9.0	99	8.9	72	8.2	43	6.1
6	139	8.0	108	8.5	85	8.6	54	6.6
8	114	12.3	103	8.7	82	8.5	47	6.2
10	113	7.5	92	8.1	71	8.1	43	5.7
12	110	7.6	90	8.4	73	8.0	43	5.9
14	123	7.3	100	9.0	84	8.5	50	6.5
16	124	8.7	99	8.5	76	8.8	44	6.7
18	87	8.7	79	8.8	70	8.9	42	6.9
20	110	7.9	96	9.6	78	9.7	51	8.2
22	116	9.2	102	8.3	82	8.6	47	6.8
TOTAL	1148	86.2	968	86.8	773	85.9	464	65.6
MEAN	115	8.6	97	8.7	77	8.6	46	6.6
MAX	139	8.0	108	8.5	85	8.6	54	6.6
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	128	9.8	102	8.6	81	9.0	45	6.1
2	99	8.0	82	9.0	60	8.1	33	5.0
4	91	10.0	83	9.3	65	9.0	38	6.3
6	101	8.3	85	8.9	67	9.3	36	6.3
8	79	10.6	64	9.3	53	8.3	33	5.8
10	88	7.0	72	8.8	56	8.1	31	4.9
12	88	9.0	71	8.5	54	7.6	31	5.0
14	96	7.8	78	8.5	62	7.9	36	5.4
16	89	9.8	68	9.5	51	7.6	27	4.1
18	90	7.4	75	8.1	57	7.7	31	4.4
20	87	10.8	74	8.8	57	8.2	33	5.2
22	80	6.9	61	8.5	47	7.7	27	5.0
TOTAL	1116	105.4	915	105.8	710	98.5	401	63.5
MEAN	93	8.8	76	8.8	59	8.2	33	5.3
MAX	128	9.8	102	8.6	81	9.0	45	6.1
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	128	8.9	100	8.7	82	9.3	44	6.4
2	95	8.6	83	9.8	63	8.8	40	7.2
4	96	9.8	81	9.7	66	9.1	41	7.3
6	100	8.6	83	8.7	63	9.2	34	6.5
8	70	11.4	63	9.4	52	9.0	34	6.8
10	91	6.9	73	9.4	59	8.5	34	6.4
12	87	8.2	73	8.7	56	8.5	33	5.8
14	98	7.6	75	9.2	62	7.9	37	6.0
16	87	9.7	71	8.7	53	7.8	29	4.5
18	89	7.4	75	8.3	58	8.0	34	5.4
20	96	11.5	74	9.0	56	8.6	33	5.7
22	87	6.0	62	8.5	50	8.3	29	5.8
TOTAL	1124	104.6	913	108.1	720	103.0	422	73.8
MEAN	94	8.7	76	9.0	60	8.6	35	6.1
MAX	128	8.9	100	8.7	82	9.3	44	6.4
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	70	4.8	56	7.8	44	7.2	24	3.9
2	73	10.7	56	9.5	42	7.6	23	4.2
4	76	11.9	62	10.2	46	8.7	27	5.4
6	74	11.9	58	9.9	46	8.5	26	5.3
8	87	11.1	65	10.9	51	9.0	30	5.8
10	79	6.9	61	8.9	47	8.6	26	5.1
12	79	11.7	68	9.3	53	8.3	29	5.4
14	75	6.3	62	9.4	50	8.8	30	5.6
16	71	7.5	56	8.0	43	7.4	25	4.4
18	85	6.8	65	9.6	47	8.0	26	4.7
20	68	10.9	54	10.9	41	8.7	24	5.3
22	66	6.9	61	10.4	48	10.9	28	6.9
TOTAL	903	107.4	724	114.8	558	101.7	318	62.0
MEAN	75	8.9	60	9.6	47	8.5	27	5.2
MAX	87	11.1	68	9.3	53	8.3	30	5.8
(TIME)	8 : 00		12 : 00		12 : 00		8 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	82	12.5	59	9.3	46	8.4	27	5.8
2	65	10.9	58	9.5	47	9.4	28	6.6
4	79	11.4	63	9.7	50	10.7	29	7.0
6	79	11.6	57	12.6	45	9.0	26	5.9
8	77	10.9	63	11.5	49	9.5	29	6.2
10	82	7.9	61	8.4	46	8.8	26	5.6
12	82	11.3	66	9.1	50	8.1	29	5.6
14	77	7.0	62	8.8	50	8.7	30	5.8
16	71	7.2	57	8.5	44	7.9	25	4.9
18	87	7.2	65	11.0	51	9.6	27	5.5
20	71	6.6	56	10.4	43	9.0	25	6.1
22	65	6.7	58	11.6	45	11.3	26	7.3
TOTAL	917	111.2	725	120.4	566	110.4	327	72.3
MEAN	76	9.3	60	10.0	47	9.2	27	6.0
MAX	87	7.2	66	9.1	51	9.6	30	5.8
(TIME)	18 : 00		12 : 00		18 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	80	7.3	51	7.9	36	6.1	19	3.3
2	72	7.9	53	9.7	42	8.9	27	5.9
4	70	6.5	50	7.8	38	6.3	21	3.4
6	73	12.0	62	11.7	45	9.0	26	5.5
8	83	12.8	66	11.1	46	8.5	26	5.4
10	93	7.0	62	8.5	44	7.3	24	4.4
12	96	6.3	60	8.2	42	6.5	24	3.7
14	79	6.6	65	9.4	52	8.6	27	5.1
16								
18								
20								
22								
TOTAL	646	66.4	469	74.3	345	61.2	194	36.7
MEAN	81	8.3	59	9.3	43	7.6	24	4.6
MAX	96	6.3	66	11.1	52	8.6	27	5.9
(TIME)	12 : 00		8 : 00		14 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	88	7.4	65	11.2	47	9.7	26	6.3
2	76	12.6	57	12.4	40	9.3	23	6.1
4	71	14.1	59	10.2	46	9.2	28	6.3
6	68	12.6	58	12.2	43	9.6	26	6.2
8	78	12.3	64	10.3	48	8.9	27	6.1
10	100	6.8	64	9.5	48	8.8	27	5.7
12	88	6.1	60	8.6	46	8.0	26	5.3
14	77	6.7	62	10.4	49	9.3	28	5.8
16								
18								
20								
22								
TOTAL	646	78.6	489	84.8	367	72.8	211	47.8
MEAN	81	9.8	61	10.6	46	9.1	26	6.0
MAX	100	6.8	65	11.2	49	9.3	28	6.3
(TIME)	10 : 00		0 : 00		14 : 00		4 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 6/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00	0 : 00	0 : 00	0 : 00				

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 7/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	72	6.0	62	5.6	51	5.2	32	3.7
20	81	5.7	69	6.7	57	6.1	35	4.1
22	197	2.3	80	7.7	59	6.6	34	4.1
TOTAL	350	14.0	211	20.0	167	17.9	101	11.9
MEAN	117	4.7	70	6.7	56	6.0	34	4.0
MAX	197	2.3	80	7.7	59	6.6	35	4.1
(TIME)	22 : 00	22 : 00	22 : 00	22 : 00	20 : 00			

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 8/1984 HMEAN TMEAN (CM) (SEC)	
0	203	1.9	81	7.1	54	5.5	32	3.7
2	159	1.5	81	5.6	60	6.0	36	4.3
4	102	12.6	78	7.6	60	6.8	35	4.6
6	78	5.7	68	7.7	54	6.8	32	4.6
8	80	6.7	63	7.6	52	6.6	32	4.4
10	74	8.4	63	6.9	51	6.4	31	4.1
12								
14	80	7.0	66	6.6	51	6.0	31	4.1
16	77	6.4	66	8.2	53	7.2	32	4.7
18	73	8.9	60	8.2	47	7.6	28	4.8
20	76	7.3	62	8.2	45	7.1	26	4.4
22								
TOTAL	1002	66.4	688	73.7	527	66.0	315	43.7
MEAN	100	6.6	69	7.4	53	6.6	32	4.4
MAX	203	1.9	81	7.1	60	6.0	36	4.3
(TIME)	0 : 00	0 : 00	0 : 00	0 : 00	2 : 00	2 : 00		

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 6/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00	0 : 00	0 : 00	0 : 00				

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 7/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	79	3.1	64	5.0	53	5.2	33	3.7
20	91	6.8	70	6.8	59	6.1	36	4.3
22	91	7.5	69	7.6	55	6.2	34	4.1
TOTAL	261	17.4	203	19.4	167	17.5	103	12.1
MEAN	87	5.8	68	6.5	56	5.8	34	4.0
MAX	91	6.8	70	6.8	59	6.1	36	4.3
(TIME)	20 : 00	20 : 00	20 : 00	20 : 00	20 : 00	20 : 00		

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 8/1984 HMEAN TMEAN (CM) (SEC)	
0	84	5.5	70	6.4	51	5.5	32	3.7
2	99	9.6	81	7.2	63	6.9	38	4.7
4	91	8.3	81	8.1	61	6.7	37	4.6
6	78	6.1	69	7.8	56	7.1	34	5.0
8	92	8.3	66	7.3	53	6.6	32	4.4
10	89	6.2	67	7.6	54	7.2	34	4.5
12								
14	83	7.1	71	7.4	54	6.5	34	4.4
16	80	9.2	69	8.7	55	7.3	33	4.8
18	74	8.5	60	8.3	49	7.5	28	4.8
20	85	6.0	71	9.1	53	8.4	31	5.6
22								
TOTAL	855	74.8	705	77.9	549	69.7	333	46.5
MEAN	86	7.5	71	7.8	55	7.0	33	4.6
MAX	99	9.6	81	7.2	63	6.9	38	4.7
(TIME)	2 : 00	2 : 00	2 : 00	2 : 00	2 : 00	2 : 00		

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	86	11.1	66	8.7	51	8.3	29	5.7
2	79	10.7	62	8.3	44	7.3	24	4.5
4	100	6.6	57	7.9	45	6.5	27	4.1
6	81	6.4	73	7.6	58	8.1	36	5.9
8	81	6.4	57	8.8	46	7.8	27	5.1
10	80	5.2	60	8.3	46	7.1	27	4.4
12	94	11.7	62	9.1	47	8.3	27	5.3
14	75	10.6	64	9.3	50	7.5	29	4.9
16								
18	95	7.2	80	8.4	63	7.3	38	4.5
20	113	9.3	90	7.7	70	7.6	40	4.5
22	154	9.6	103	8.0	76	6.8	45	4.2
TOTAL	1038	94.8	774	92.1	596	82.6	349	53.1
MEAN	94	8.6	70	8.4	54	7.5	32	4.8
MAX	154	9.6	103	8.0	76	6.8	45	4.2
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	93	11.2	69	10.3	55	8.9	33	6.4
2	83	7.9	67	9.4	53	8.9	32	6.6
4	92	6.7	70	9.3	54	8.2	35	6.3
6	80	6.5	74	7.0	57	8.1	36	6.4
8	81	6.5	56	8.7	46	7.9	29	6.0
10	76	9.4	67	9.0	53	8.2	33	5.9
12	102	11.6	66	9.2	50	8.3	30	6.0
14	77	8.7	66	9.5	53	8.2	30	5.2
16								
18	108	6.6	84	7.7	64	6.7	37	4.5
20	118	9.8	88	8.4	70	7.5	40	4.6
22	138	10.3	105	7.9	79	6.2	47	4.3
TOTAL	1048	95.2	812	96.4	634	87.1	382	62.2
MEAN	95	8.7	74	8.8	58	7.9	35	5.7
MAX	138	10.3	105	7.9	79	6.2	47	4.3
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/10/1984 HMEAN (CM)	TMEAN (SEC)
0	117	6.8	93	7.9	76	7.0	46	4.4
2	200	4.3	106	7.4	81	7.1	50	4.5
4	109	7.9	98	8.3	80	7.1	49	4.9
6	128	6.5	111	7.4	88	7.4	54	5.5
8	123	7.4	108	7.8	89	7.6	54	5.0
10	129	8.5	112	8.1	92	7.3	55	5.2
12	139	8.0	125	8.0	100	7.6	57	5.4
14	124	7.2	113	7.8	93	7.9	59	6.1
16	115	8.0	99	7.8	84	8.4	52	5.8
18	130	8.8	108	8.3	83	7.6	46	5.0
20	171	7.2	117	7.4	92	8.0	54	5.4
22	115	8.6	102	7.7	83	7.7	49	5.5
TOTAL	1600	89.2	1292	93.9	1041	90.7	625	62.7
MEAN	133	7.4	108	7.8	87	7.6	52	5.2
MAX	200	4.3	125	8.0	100	7.6	59	6.1
(TIME)	2 : 00		12 : 00		12 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/10/1984 HMEAN (CM)	TMEAN (SEC)
0	124	6.3	103	7.5	82	6.9	51	4.8
2	158	8.5	112	8.3	88	7.2	54	5.1
4	124	7.9	105	8.7	87	7.4	54	5.2
6	125	8.5	112	7.4	92	7.8	57	5.7
8	119	8.8	107	7.6	90	7.4	55	5.1
10	139	7.7	117	8.1	97	7.4	58	5.4
12	141	8.4	128	8.4	107	7.9	63	5.9
14	145	7.6	118	8.5	96	8.1	59	5.8
16	126	8.3	106	7.8	90	7.9	55	5.9
18	130	7.0	112	8.4	85	7.6	47	5.0
20	165	7.3	122	7.5	95	8.2	59	5.8
22	120	8.4	105	8.3	88	7.9	52	5.7
TOTAL	1616	94.7	1347	96.5	1097	91.7	664	65.4
MEAN	135	7.9	112	8.0	91	7.6	55	5.4
MAX	165	7.3	128	8.4	107	7.9	63	5.9
(TIME)	20 : 00		12 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/11/1984 HMEAN (CM)	TMEAN (SEC)
0	107	7.5	95	8.3	78	7.8	44	5.4
2	113	8.5	92	8.5	76	8.1	46	6.0
4	109	7.8	98	8.2	80	8.0	46	5.8
6	127	10.1	95	8.1	77	8.0	47	6.1
8	112	9.2	97	7.8	79	8.1	47	6.0
10	113	7.8	82	6.8	70	7.3	43	5.6
12	114	4.9	80	7.8	63	7.3	37	5.2
14	103	8.7	96	9.0	79	8.5	48	6.7
16	117	7.0	98	9.7	75	8.3	47	6.4
18	101	9.0	90	8.1	73	8.4	46	6.6
20								
22								
TOTAL	1116	80.5	923	82.3	750	79.8	451	59.8
MEAN	112	8.0	92	8.2	75	8.0	45	6.0
MAX	127	10.1	98	8.2	80	8.0	48	6.7
(TIME)	6 : 00		4 : 00		4 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/11/1984 HMEAN (CM)	TMEAN (SEC)
0	113	7.5	99	7.5	83	7.9	51	6.3
2	124	10.2	98	9.0	78	8.3	47	6.2
4	125	6.5	108	8.0	86	8.6	52	6.7
6	110	7.6	94	8.8	80	7.5	50	6.6
8	110	9.6	92	8.2	77	8.1	47	6.1
10	137	7.7	85	6.7	71	7.5	46	6.0
12	113	5.5	82	8.1	65	7.7	40	5.9
14	104	7.8	97	8.8	81	8.5	51	7.0
16	127	8.7	100	9.2	79	8.3	48	6.2
18	102	8.6	94	8.4	77	8.4	50	7.1
20								
22								
TOTAL	1165	79.7	949	82.7	777	80.8	482	64.1
MEAN	117	8.0	95	8.3	78	8.1	48	6.4
MAX	137	7.7	108	8.0	86	8.6	52	6.7
(TIME)	10 : 00		4 : 00		4 : 00		4 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/12/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14	134	7.0	90	7.4	67	6.3	40	4.0
16								
18								
20								
22								
TOTAL	134	7.0	90	7.4	67	6.3	40	4.0
MEAN	134	7.0	90	7.4	67	6.3	40	4.0
MAX	134	7.0	90	7.4	67	6.3	40	4.0
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/13/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/14/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10	188	12.0	138	8.9	104	7.8	62	5.7
12	131	11.7	120	8.1	103	7.4	61	5.6
14								
16								
18	155	9.3	136	8.9	107	8.6	64	6.5
20	193	7.5	150	9.0	113	8.7	63	6.2
22	161	6.8	133	8.5	107	8.5	65	6.4
TOTAL	828	47.3	677	43.4	534	41.0	315	30.4
MEAN	166	9.5	135	8.7	107	8.2	63	6.1
MAX	193	7.5	150	9.0	113	8.7	65	6.4
(TIME)	20 : 00		20 : 00		20 : 00		22 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/12/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14	134	7.4	85	7.3	64	5.9	40	3.8
16								
18								
20								
22								
TOTAL	134	7.4	85	7.3	64	5.9	40	3.8
MEAN	134	7.4	85	7.3	64	5.9	40	3.8
MAX	134	7.4	85	7.3	64	5.9	40	3.8
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/13/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/14/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10	190	13.3	141	8.9	104	7.4	64	5.7
12	148	12.1	121	8.7	104	8.0	67	6.2
14								
16								
18	154	12.9	139	8.9	110	8.8	66	6.7
20	212	7.3	156	9.1	117	9.0	67	6.6
22	153	8.3	135	8.5	112	8.5	72	7.1
TOTAL	857	53.9	692	44.1	547	41.7	336	32.3
MEAN	171	10.8	138	8.8	109	8.3	67	6.5
MAX	212	7.3	156	9.1	117	9.0	72	7.1
(TIME)	20 : 00		20 : 00		20 : 00		22 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/15/1984	
							HMEAN (CM)	TMEAN (SEC)
0								
2	139	11.8	117	8.5	98	8.9	59	6.4
4	148	8.0	127	9.1	103	8.9	57	6.4
6	158	10.8	140	9.8	101	8.2	63	6.4
8	150	7.9	128	9.1	103	7.8	59	5.3
10	126	9.8	110	9.9	93	7.8	58	5.8
12	117	12.1	106	7.9	88	7.5	53	5.3
14	167	8.1	123	6.7	98	7.4	57	5.2
16	188	8.3	139	8.8	113	8.9	66	6.1
18	182	6.1	139	7.9	112	8.7	63	6.0
20	187	6.3	133	9.2	98	8.7	55	5.8
22	170	7.7	118	8.8	90	8.4	49	5.5
TOTAL	1732	96.9	1380	95.7	1097	91.2	639	64.2
MEAN	158	8.8	126	8.7	100	8.3	58	5.8
MAX	188	8.3	140	9.8	113	8.9	66	6.1
(TIME)	16 : 00		6 : 00		16 : 00		16 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/15/1984	
							HMEAN (CM)	TMEAN (SEC)
0								
2	135	11.7	121	8.5	100	8.4	64	6.8
4	146	7.5	129	10.0	105	9.0	61	6.8
6	164	8.3	148	9.8	106	8.4	65	6.8
8	159	10.6	137	9.0	114	8.0	71	6.5
10	130	7.0	113	9.1	94	7.7	56	5.4
12	138	7.3	109	8.5	90	7.7	54	5.4
14	205	7.2	132	7.7	105	7.7	61	5.4
16	175	7.5	135	10.0	114	8.7	66	6.2
18	180	6.6	145	8.4	113	9.0	65	6.2
20	162	6.3	136	10.2	98	8.6	58	6.0
22	166	7.4	122	8.5	96	8.9	56	6.4
TOTAL	1760	87.4	1427	99.7	1135	92.1	677	67.9
MEAN	160	7.9	130	9.1	103	8.4	62	6.2
MAX	205	7.2	148	9.8	114	8.0	71	6.5
(TIME)	14 : 00		6 : 00		8 : 00		8 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/16/1984	
							HMEAN (CM)	TMEAN (SEC)
0	145	6.0	118	8.1	89	8.5	53	6.3
2	125	10.7	108	9.1	90	8.7	54	6.4
4	112	9.0	93	8.8	73	8.7	45	6.0
6	153	12.3	132	9.4	111	9.6	63	6.6
8	124	5.6	103	8.0	78	7.8	45	5.4
10	121	6.0	111	7.6	93	7.9	57	5.8
12	132	10.4	109	7.8	87	7.5	51	5.2
14								
16	140	6.9	114	9.4	86	8.6	49	5.8
18	142	8.2	109	9.1	88	9.4	51	6.4
20	117	8.5	103	8.3	83	9.2	49	6.4
22	132	10.9	117	10.2	91	9.1	49	5.7
TOTAL	1443	94.5	1217	95.8	969	95.0	566	66.0
MEAN	131	8.6	111	8.7	88	8.6	52	6.0
MAX	153	12.3	132	9.4	111	9.6	63	6.6
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/16/1984	
							HMEAN (CM)	TMEAN (SEC)
0	141	7.5	123	7.9	92	8.9	57	6.7
2	137	10.9	111	9.1	92	8.9	58	7.0
4	113	9.3	99	8.2	79	8.9	51	6.7
6	153	12.4	135	9.5	113	9.4	67	7.2
8	136	8.1	110	7.1	83	8.0	46	5.5
10	129	7.0	117	7.0	97	7.6	61	6.0
12	138	7.1	115	7.1	92	7.4	58	5.7
14								
16	131	7.4	114	9.3	89	9.2	55	6.8
18	135	8.0	113	9.5	92	9.2	52	6.5
20	116	6.3	105	9.2	85	9.1	51	6.8
22	141	10.6	122	9.3	98	9.0	54	6.4
TOTAL	1470	94.6	1264	93.2	1012	95.6	610	71.3
MEAN	134	8.6	115	8.5	92	8.7	56	6.5
MAX	153	12.4	135	9.5	113	9.4	67	7.2
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/17/1984	
							HMEAN (CM)	TMEAN (SEC)
0	142	6.2	122	8.6	94	8.8	52	6.2
2	128	7.2	118	9.0	96	8.5	52	5.7
4	141	7.6	119	9.3	93	9.5	58	7.3
6	143	10.4	110	10.5	89	9.9	49	6.5
8	172	9.9	144	9.7	108	9.4	59	6.1
10	157	14.8	128	8.7	106	8.4	62	6.1
12	144	9.6	125	7.8	105	7.6	62	5.5
14	147	5.7	139	7.3	118	8.1	68	6.1
16	155	11.9	140	10.0	109	8.9	66	6.7
18	149	9.1	142	9.8	119	8.6	65	6.2
20	176	6.9	136	9.5	99	9.3	59	6.7
22	162	13.3	127	9.4	97	8.7	54	5.9
TOTAL	1816	112.6	1550	109.6	1233	105.7	706	75.0
MEAN	151	9.4	129	9.1	103	8.8	59	6.2
MAX	176	6.9	144	9.7	119	8.6	68	6.1
(TIME)	20 : 00		8 : 00		18 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/17/1984	
							HMEAN (CM)	TMEAN (SEC)
0	148	10.5	129	9.2	99	9.0	56	6.6
2	133	7.2	124	9.6	100	8.7	59	6.6
4	148	7.0	124	9.0	97	9.4	60	7.2
6	146	8.8	118	10.5	96	9.9	53	7.0
8	175	12.2	150	10.3	116	9.6	68	7.1
10	143	10.0	133	10.0	109	8.7	66	6.5
12	143	6.0	131	7.0	108	7.5	66	5.6
14	148	4.3	134	8.4	117	7.8	67	5.8
16	167	12.2	150	10.1	115	9.4	68	6.7
18	165	8.0	145	10.3	127	8.7	77	7.4
20	176	11.5	143	10.3	104	9.7	64	7.1
22	160	7.8	131	8.8	101	9.1	61	6.7
TOTAL	1852	105.5	1612	113.5	1289	107.5	765	80.3
MEAN	154	8.8	134	9.5	107	9.0	64	6.7
MAX	176	11.5	150	10.3	127	8.7	77	7.4
(TIME)	20 : 00		8 : 00		18 : 00		18 : 00	

7/18/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	131	7.7	117	8.6	96	8.7	55	5.7
2	140	7.0	109	8.1	85	8.8	51	6.0
4	169	11.6	115	9.9	92	9.6	52	5.9
6	126	6.6	115	8.8	93	9.1	57	7.1
8	151	13.4	121	9.3	97	9.1	54	6.2
10	159	6.2	129	8.5	101	7.5	55	5.2
12								
14								
16								
18								
20								
22	131	10.0	113	9.3	91	7.7	55	5.3
TOTAL	1007	62.5	819	62.5	655	60.5	379	41.4
MEAN	144	8.9	117	8.9	94	8.6	54	5.9
MAX	169	11.6	129	8.5	101	7.5	57	7.1
(TIME)	4 : 00		10 : 00		10 : 00		6 : 00	

7/18/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	143	8.0	124	9.3	104	9.4	65	7.1
2	132	7.7	109	9.3	88	9.3	56	7.0
4	182	11.7	123	9.9	101	9.7	61	7.1
6	127	6.8	116	8.7	93	9.2	55	6.7
8	143	13.5	125	9.9	102	9.5	62	7.1
10	150	10.3	135	8.6	110	8.2	68	6.6
12								
14								
16								
18								
20								
22	130	8.6	120	9.3	98	7.7	59	5.4
TOTAL	1007	66.6	852	65.0	696	63.0	426	47.0
MEAN	144	9.5	122	9.3	99	9.0	61	6.7
MAX	182	11.7	135	8.6	110	8.2	68	6.6
(TIME)	4 : 00		10 : 00		10 : 00		10 : 00	

7/19/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	128	10.2	112	8.5	94	7.9	58	5.6
2	129	5.4	121	7.7	100	8.1	57	5.6
4	164	9.5	116	8.2	93	7.5	53	5.1
6	148	9.9	126	7.5	101	7.4	62	5.2
8	149	9.7	126	8.3	105	8.1	62	5.6
10	190	10.1	153	7.0	120	7.3	74	5.6
12	182	7.1	149	7.3	120	7.3	77	5.6
14	166	9.2	133	7.9	105	7.0	62	4.9
16	170	10.4	135	7.9	108	7.9	63	5.4
18	149	6.7	131	7.4	109	7.1	67	5.3
20	219	2.7	142	7.6	107	7.6	62	5.4
22	140	10.4	126	7.6	106	7.3	63	5.4
TOTAL	1934	101.3	1570	92.9	1268	90.5	760	64.7
MEAN	161	8.4	131	7.7	106	7.5	63	5.4
MAX	219	2.7	153	7.0	120	7.3	77	5.6
(TIME)	20 : 00		10 : 00		10 : 00		12 : 00	

7/19/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	137	7.9	120	7.9	99	7.9	63	5.9
2	146	5.4	128	8.0	105	9.1	66	6.5
4	164	9.5	128	7.7	101	7.7	54	5.1
6	168	6.1	134	7.8	105	7.8	64	5.4
8	153	9.6	134	8.7	112	8.1	66	5.9
10	208	10.4	153	8.3	121	7.4	75	5.8
12	160	8.2	142	8.7	119	7.6	72	5.2
14	175	9.3	138	8.2	108	7.2	63	5.1
16	180	10.6	140	8.8	115	7.9	69	5.9
18	172	6.5	134	7.7	113	7.1	71	5.4
20	160	8.0	132	8.7	105	8.0	61	5.5
22	146	8.5	131	7.8	109	7.4	69	5.8
TOTAL	1969	100.0	1614	98.3	1312	93.2	793	67.5
MEAN	164	8.3	135	8.2	109	7.8	66	5.6
MAX	208	10.4	153	8.3	121	7.4	75	5.8
(TIME)	10 : 00		10 : 00		10 : 00		10 : 00	

7/20/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	142	6.4	117	7.9	89	6.9	54	5.1
2	158	6.4	117	7.3	91	6.8	51	4.5
4								
6	135	8.1	110	7.7	89	7.4	54	4.9
8	148	6.9	124	8.5	93	7.7	55	5.1
10	133	5.2	115	6.8	95	6.7	55	4.8
12	118	7.6	96	7.4	77	6.7	45	4.5
14	148	5.2	117	6.8	90	7.3	51	4.9
16								
18	129	7.0	108	7.1	84	6.7	49	4.5
20								
22								
TOTAL	1111	52.8	904	59.5	708	56.2	414	38.3
MEAN	139	6.6	113	7.4	89	7.0	52	4.8
MAX	158	6.4	124	8.5	95	6.7	55	5.1
(TIME)	2 : 00		8 : 00		10 : 00		8 : 00	

7/20/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	154	7.6	115	7.9	91	7.5	54	5.1
2	141	10.4	119	7.5	94	7.4	58	5.4
4								
6	143	8.5	110	7.4	90	7.5	54	5.0
8	159	7.5	129	8.1	100	7.9	59	5.4
10	134	5.6	119	6.3	98	7.2	62	5.7
12	111	8.8	99	6.9	81	7.1	50	5.0
14	144	8.3	122	7.3	93	7.2	53	5.0
16								
18	129	7.9	112	6.9	90	7.2	54	5.1
20								
22								
TOTAL	1115	64.6	925	58.3	737	59.0	444	41.7
MEAN	139	8.1	116	7.3	92	7.4	56	5.2
MAX	159	7.5	129	8.1	100	7.9	62	5.7
(TIME)	8 : 00		8 : 00		8 : 00		10 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/21/1984 HMEAN TMEAM (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	100	7.5	87	8.5	71	7.4	42	5.2
20	105	5.6	85	7.5	68	7.2	40	5.0
22	96	8.8	81	9.1	64	7.9	38	5.4
TOTAL	301	21.9	253	25.1	203	22.5	120	15.6
MEAN	100	7.3	84	8.4	68	7.5	40	5.2
MAX	105	5.6	87	8.5	71	7.4	42	5.2
(TIME)	20 : 00		18 : 00		18 : 00		18 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/21/1984 HMEAN TMEAM (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	111	7.5	86	8.8	71	7.4	43	5.6
20	99	5.5	85	7.4	69	7.4	42	5.4
22	92	8.8	80	9.2	66	8.3	39	5.6
TOTAL	302	21.8	251	25.4	206	23.1	124	16.6
MEAN	101	7.3	84	8.5	69	7.7	41	5.5
MAX	111	7.5	86	8.8	71	7.4	43	5.6
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/22/1984 HMEAN TMEAM (CM) (SEC)	
0	106	10.5	79	8.4	60	7.1	34	4.5
2	92	5.9	71	7.9	56	7.0	31	4.3
4	90	6.6	76	7.2	58	7.1	32	4.4
6	90	7.9	74	8.1	59	6.9	33	4.6
8	93	7.6	78	8.1	61	7.4	36	4.9
10	109	6.5	75	8.2	57	8.0	34	5.2
12	105	7.8	84	8.5	64	7.4	36	4.9
14	92	5.9	73	7.6	59	6.9	35	4.9
16	110	8.0	84	7.5	64	7.2	37	4.7
18	129	7.5	81	7.7	63	6.7	36	4.3
20	89	6.0	73	7.6	57	6.6	33	3.9
22	104	9.9	91	8.6	73	7.5	41	4.4
TOTAL	1209	90.1	939	95.4	731	85.8	418	55.0
MEAN	101	7.5	78	7.9	61	7.1	35	4.6
MAX	129	7.5	91	8.6	73	7.5	41	4.4
(TIME)	18 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/22/1984 HMEAN TMEAM (CM) (SEC)	
0	115	10.4	84	9.0	65	8.1	39	5.6
2	99	7.8	76	7.7	61	7.4	36	5.1
4	86	6.1	77	7.6	61	7.5	35	5.0
6	88	8.5	77	8.3	61	7.4	37	5.4
8	103	7.9	83	8.1	65	7.7	38	5.5
10	108	5.9	75	7.7	58	8.0	34	5.3
12	107	7.7	84	7.9	66	7.6	39	5.1
14	85	7.2	74	7.0	60	7.0	37	5.2
16	106	7.2	88	8.1	66	7.7	37	4.9
18	111	8.3	89	8.0	68	7.2	39	4.6
20	89	10.3	72	8.1	61	7.4	35	4.5
22	105	9.2	91	7.6	71	7.0	41	4.3
TOTAL	1202	96.5	970	95.1	763	90.0	447	60.5
MEAN	100	8.0	81	7.9	64	7.5	37	5.0
MAX	115	10.4	91	7.6	71	7.0	41	4.3
(TIME)	0 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/23/1984 HMEAN TMEAM (CM) (SEC)	
0	87	8.0	75	6.9	56	6.3	32	3.8
2	96	8.6	81	7.9	61	7.5	33	4.4
4	117	6.6	89	8.3	64	7.5	34	4.3
6	99	6.9	87	7.7	67	7.7	38	4.9
8	131	7.7	96	7.9	71	7.2	39	4.4
10								
12								
14								
16								
18								
20								
22	116	7.1	90	7.9	69	8.1	42	5.8
TOTAL	646	44.9	518	46.6	388	44.3	218	27.6
MEAN	108	7.5	86	7.8	65	7.4	36	4.6
MAX	131	7.7	96	7.9	71	7.2	42	5.8
(TIME)	8 : 00		8 : 00		8 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	7/23/1984 HMEAN TMEAM (CM) (SEC)	
0	96	6.9	81	8.0	62	7.0	36	4.3
2	96	6.6	81	8.3	61	7.5	33	4.3
4	115	6.8	90	8.2	68	7.3	38	4.7
6	103	6.3	93	7.8	72	7.7	40	5.2
8	151	7.5	99	7.7	73	7.1	41	4.6
10								
12								
14								
16								
18								
20								
22	121	12.3	92	7.7	73	8.2	43	5.9
TOTAL	682	46.4	536	47.7	409	44.8	231	29.0
MEAN	114	7.7	89	7.9	68	7.5	39	4.8
MAX	151	7.5	99	7.7	73	7.1	43	5.9
(TIME)	8 : 00		8 : 00		8 : 00		22 : 00	

7/24/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	119	7.1	92	8.2	71	7.3	42	5.2
2	108	10.0	97	8.8	80	8.6	49	6.1
4	102	12.4	83	8.5	62	7.0	33	4.1
6								
8	130	9.5	99	8.0	79	7.6	48	5.9
10								
12	121	12.3	101	8.7	76	8.0	40	4.8
14	133	7.6	91	9.8	71	8.9	41	5.9
16	110	7.0	99	9.7	79	9.1	48	6.3
18	168	13.3	110	10.4	84	9.1	45	5.6
20	199	10.7	131	9.4	87	8.6	45	5.3
22	135	12.1	121	9.9	92	9.3	53	6.4
TOTAL	1325	102.0	1024	91.4	781	83.5	444	55.6
MEAN	133	10.2	102	9.1	78	8.3	44	5.6
MAX	199	10.7	131	9.4	92	9.3	53	6.4
(TIME)	20 : 00		20 : 00		22 : 00		22 : 00	

7/24/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	137	7.3	98	8.4	78	7.5	48	5.9
2	105	10.0	98	8.9	80	8.6	51	6.7
4	105	12.7	93	8.9	72	8.1	43	6.0
6								
8	131	8.5	107	8.1	84	8.3	50	5.9
10								
12	120	12.7	105	9.5	83	8.5	42	5.3
14	136	7.9	95	10.2	73	9.5	44	6.3
16	106	10.2	96	9.8	79	9.1	48	6.1
18	171	13.0	118	9.5	90	9.4	57	7.0
20	240	10.9	145	9.4	96	9.0	51	6.1
22	141	10.4	129	10.1	101	10.1	61	7.3
TOTAL	1392	103.6	1084	92.8	836	88.1	495	62.6
MEAN	139	10.4	108	9.3	84	8.8	50	6.3
MAX	240	10.9	145	9.4	101	10.1	61	7.3
(TIME)	20 : 00		20 : 00		22 : 00		22 : 00	

7/25/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	160	12.6	127	9.7	99	9.4	58	6.6
2	114	10.4	102	9.5	82	9.2	47	6.0
4	144	8.7	110	9.1	83	8.0	46	4.9
6	131	13.4	117	8.7	91	8.4	50	5.7
8	115	8.9	109	9.1	88	8.4	51	6.0
10	119	9.8	101	9.5	74	8.6	42	5.7
12	143	8.1	99	9.9	75	9.0	42	5.6
14	144	11.1	113	9.4	77	8.9	39	5.3
16	146	10.5	103	8.4	72	8.3	40	5.6
18	137	10.8	103	9.6	78	9.2	45	5.8
20	132	11.2	112	10.3	88	9.5	47	6.2
22	119	6.9	105	10.3	87	9.5	55	7.7
TOTAL	1604	122.4	1301	113.5	994	106.4	562	71.1
MEAN	134	10.2	108	9.5	83	8.9	47	5.9
MAX	160	12.6	127	9.7	99	9.4	58	6.6
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

7/25/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	158	9.0	133	10.4	104	9.9	66	7.5
2	123	10.7	106	10.1	86	9.4	54	7.1
4	148	12.1	123	10.3	95	8.9	59	7.0
6	150	5.8	125	7.6	93	8.2	52	6.0
8	149	10.8	119	9.0	96	8.0	55	6.4
10	135	12.3	106	10.1	80	8.9	46	6.1
12	151	11.1	106	10.5	81	9.3	46	6.2
14	161	10.7	118	9.8	81	9.1	41	5.4
16	149	10.8	108	10.0	76	8.7	41	5.7
18	157	10.6	109	9.4	80	8.7	45	5.6
20	131	11.2	116	10.7	93	9.9	53	7.0
22	121	11.7	113	10.0	97	9.8	64	8.8
TOTAL	1733	126.8	1382	117.9	1062	108.8	622	78.8
MEAN	144	10.6	115	9.8	89	9.1	52	6.6
MAX	161	10.7	133	10.4	104	9.9	66	7.5
(TIME)	14 : 00		0 : 00		0 : 00		0 : 00	

7/26/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	119	6.1	100	9.5	80	9.2	49	6.9
2	101	12.4	90	9.3	70	9.0	40	6.1
4	100	6.5	86	9.1	70	8.9	42	6.2
6	117	7.0	89	8.3	74	8.6	43	5.8
8	103	12.1	85	8.7	68	7.8	37	5.2
10	123	8.1	91	8.3	73	8.1	44	6.2
12	105	12.1	92	9.2	68	7.6	37	4.6
14	98	12.1	76	8.5	58	7.6	33	4.8
16	82	9.9	75	8.3	63	8.9	35	5.5
18	103	8.1	83	8.8	63	7.8	34	4.5
20	105	11.7	85	8.5	67	8.2	36	4.8
22	98	10.5	79	8.4	53	6.8	29	4.1
TOTAL	1254	116.6	1031	104.9	807	98.5	459	64.7
MEAN	105	9.7	86	8.7	67	8.2	38	5.4
MAX	123	8.1	100	9.5	80	9.2	49	6.9
(TIME)	10 : 00		0 : 00		0 : 00		0 : 00	

7/26/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	112	9.6	104	9.4	84	9.4	53	7.6
2	102	7.4	91	8.6	73	9.3	42	6.7
4	104	6.7	89	9.0	74	9.3	45	7.0
6	122	7.7	94	9.3	79	8.9	46	6.6
8	107	11.8	88	8.1	71	7.9	42	5.5
10	138	8.5	91	8.2	75	8.4	44	5.9
12	113	12.0	97	10.3	74	8.3	43	6.0
14	105	7.0	83	9.2	64	8.3	34	5.0
16	87	10.6	78	9.0	64	8.7	36	5.6
18	113	11.6	86	8.8	65	7.9	36	4.7
20	105	8.5	84	9.0	68	8.5	37	5.2
22	105	9.3	83	8.7	59	7.5	33	4.8
TOTAL	1313	110.7	1068	107.6	850	102.4	491	70.6
MEAN	109	9.2	89	9.0	71	8.5	41	5.9
MAX	138	8.5	104	9.4	84	9.4	53	7.6
(TIME)	10 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	7/27/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	93	7.6	80	8.5	63	8.9	37	5.8
2	84	9.7	74	10.0	58	8.3	34	5.2
4	91	6.1	72	8.3	52	7.8	29	4.5
6	87	7.5	76	8.1	58	7.5	31	4.3
8	115	7.6	79	8.2	59	7.3	31	4.5
10								
12								
14								
16								
18								
20								
22								
TOTAL	470	38.5	381	43.1	290	39.8	162	24.3
MEAN	94	7.7	76	8.6	58	8.0	32	4.9
MAX	115	7.6	80	8.5	63	8.9	37	5.8
(TIME)	8 : 00		0 : 00		0 : 00		0 : 00	

TIME	7/28/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20	114	7.5	97	7.7	77	7.9	43	5.0
22	122	8.1	102	7.6	82	7.6	48	5.2
TOTAL	236	15.6	199	15.3	159	15.5	91	10.2
MEAN	118	7.8	100	7.6	80	7.8	46	5.1
MAX	122	8.1	102	7.6	82	7.6	48	5.2
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	7/29/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	137	8.8	109	8.4	78	7.6	41	5.2
2	143	7.6	112	7.9	87	8.4	49	6.1
4	108	9.3	95	7.9	78	7.8	46	5.8
6	139	6.1	97	8.3	74	7.9	42	4.9
8	138	9.7	114	8.4	91	7.9	58	6.1
10	127	6.1	100	8.5	82	7.6	53	5.8
12	150	10.4	118	7.7	97	7.6	62	5.9
14	126	11.3	101	7.8	78	7.1	46	4.9
16	173	8.6	109	8.4	82	7.8	46	5.4
18	102	9.7	83	7.9	68	8.1	41	5.8
20	116	8.4	92	7.5	73	8.0	44	5.7
22	111	7.6	88	8.0	73	7.9	40	5.1
TOTAL	1570	103.6	1218	96.7	961	93.7	568	66.7
MEAN	131	8.6	102	8.1	80	7.8	47	5.6
MAX	173	8.6	118	7.7	97	7.6	62	5.9
(TIME)	16 : 00		12 : 00		12 : 00		12 : 00	

NO.2 TIME	7/27/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	94	9.4	81	8.4	65	9.0	37	5.8
2	91	7.2	75	9.5	60	8.3	36	5.5
4	83	6.8	71	8.5	53	7.8	29	4.7
6	96	11.5	87	8.4	67	8.5	39	5.6
8	112	12.1	85	9.3	63	7.9	35	5.3
10								
12								
14								
16								
18								
20								
22								
TOTAL	476	47.0	399	44.1	308	41.5	176	26.9
MEAN	95	9.4	80	8.8	62	8.3	35	5.4
MAX	112	12.1	87	8.4	67	8.5	39	5.6
(TIME)	8 : 00		6 : 00		6 : 00		6 : 00	

TIME	7/28/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20	110	11.7	104	8.9	84	8.2	51	6.1
22	124	6.7	107	8.3	87	7.9	55	6.2
TOTAL	234	18.4	211	17.2	171	16.1	106	12.3
MEAN	117	9.2	106	8.6	86	8.0	53	6.1
MAX	124	6.7	107	8.3	87	7.9	55	6.2
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	7/29/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	133	8.8	112	8.5	83	7.8	47	5.9
2	135	8.7	113	7.9	89	8.5	51	6.3
4	119	8.9	101	8.1	83	7.9	48	5.9
6	141	6.2	106	8.2	83	8.8	51	6.4
8	130	8.5	113	8.1	91	7.8	59	6.3
10	124	6.7	104	6.6	83	7.7	53	6.1
12	134	5.8	113	8.1	98	7.4	62	5.7
14	130	6.8	109	8.6	86	7.6	54	5.9
16	193	8.0	115	8.1	87	7.7	51	5.9
18	104	9.5	90	8.3	74	8.3	50	7.1
20	117	9.2	95	8.4	80	8.5	51	7.0
22	117	7.2	98	8.6	82	8.7	51	6.8
TOTAL	1577	94.3	1269	97.5	1019	96.7	628	75.3
MEAN	131	7.9	106	8.1	85	8.1	52	6.3
MAX	193	8.0	115	8.1	98	7.4	62	5.7
(TIME)	16 : 00		16 : 00		12 : 00		12 : 00	

NO.1		7/30/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)	
0	117	7.1	91	8.8	71	8.1	39	4.8	
2	112	8.9	98	8.6	78	8.1	45	5.8	
4	114	10.5	83	8.7	67	8.3	41	5.8	
6	101	7.3	88	8.3	68	8.1	44	6.3	
8	129	6.7	85	7.6	66	6.7	36	4.2	
10	112	7.5	96	7.0	80	7.2	46	5.2	
12	106	7.7	93	8.5	73	8.0	46	5.9	
14	134	9.7	112	9.4	87	9.3	53	6.6	
16	130	7.6	104	8.3	76	8.1	38	4.7	
18	139	11.1	101	8.9	81	8.7	46	6.4	
20	124	11.4	93	9.0	73	8.4	44	6.3	
22	111	7.6	99	8.5	75	8.4	42	5.8	
TOTAL	1429	103.1	1143	101.6	895	97.4	520	67.8	
MEAN	119	8.6	95	8.5	75	8.1	43	5.6	
MAX	139	11.1	112	9.4	87	9.3	53	6.6	
(TIME)	18 : 00		14 : 00		14 : 00		14 : 00		

NO.2		7/30/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)	
0	118	6.8	96	8.8	79	8.1	51	6.7	
2	120	9.0	102	8.9	83	8.4	52	6.8	
4	128	10.4	87	8.9	70	8.7	46	6.5	
6	105	7.4	86	7.5	69	8.0	44	6.3	
8	140	6.3	93	7.5	75	8.0	47	6.1	
10	117	8.0	101	7.5	84	7.5	49	5.6	
12	112	9.5	97	8.0	76	8.3	47	6.1	
14	135	10.6	117	9.4	91	9.4	54	6.7	
16	124	10.6	108	8.0	87	8.8	49	6.4	
18	141	11.4	109	9.9	87	9.0	52	7.1	
20	128	13.2	88	9.6	73	8.3	46	6.6	
22	119	7.6	104	9.2	82	8.8	51	7.0	
TOTAL	1487	110.8	1188	103.2	956	101.3	588	77.9	
MEAN	124	9.2	99	8.6	80	8.4	49	6.5	
MAX	141	11.4	117	9.4	91	9.4	54	6.7	
(TIME)	18 : 00		14 : 00		14 : 00		14 : 00		

		7/31/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)	
0	129	8.0	102	8.2	81	8.4	48	5.7	
2	124	8.1	109	8.9	83	8.7	46	5.7	
4	118	9.0	96	8.8	81	8.1	51	6.6	
6	99	6.6	91	8.8	74	8.2	46	6.5	
8	134	7.7	98	7.8	79	7.9	47	6.1	
10	159	5.1	119	9.3	87	8.1	50	6.0	
12	126	6.0	117	7.0	97	7.7	54	5.7	
14	154	4.6	134	8.0	109	8.4	59	5.7	
16	176	6.4	154	5.8	121	7.9	69	6.6	
18	167	7.9	141	9.8	108	8.8	60	6.1	
20	241	7.8	197	9.0	127	9.0	68	6.8	
22	215	16.6	190	10.7	158	8.1	89	6.7	
TOTAL	1842	93.8	1548	102.1	1205	99.3	687	74.2	
MEAN	154	7.8	129	8.5	100	8.3	57	6.2	
MAX	241	7.8	197	9.0	158	8.1	89	6.7	
(TIME)	20 : 00		20 : 00		22 : 00		22 : 00		

		7/31/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)	
0	134	7.9	110	9.1	88	9.0	54	6.8	
2	122	9.8	115	9.3	91	8.9	58	7.6	
4	125	10.6	103	9.4	84	8.6	54	7.0	
6	108	6.5	92	9.9	75	8.8	48	6.9	
8	145	7.8	103	9.6	84	8.0	54	7.0	
10	166	5.0	127	8.1	93	8.2	55	6.6	
12	133	10.3	122	6.5	104	8.0	60	6.0	
14	163	4.4	144	8.9	113	8.3	61	5.6	
16	194	7.1	162	5.5	130	7.8	77	7.1	
18	164	15.1	142	9.1	112	9.1	66	6.9	
20	252	6.6	209	8.0	136	9.1	74	7.4	
22	221	6.2	202	8.9	167	8.0	98	7.2	
TOTAL	1927	97.3	1631	102.3	1277	101.8	759	82.1	
MEAN	161	8.1	136	8.5	106	8.5	63	6.8	
MAX	252	6.6	209	8.0	167	8.0	98	7.2	
(TIME)	20 : 00		20 : 00		22 : 00		22 : 00		

		8/ 1/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)	
0	173	6.7	150	9.0	127	8.1	72	6.5	
2	224	16.4	183	8.5	142	8.5	82	6.8	
4	252	12.9	165	10.5	123	10.2	67	7.4	
6	242	8.8	188	10.4	150	11.4	82	7.8	
8	240	7.4	207	11.8	175	8.8	90	7.1	
10	190	7.0	160	7.9	133	6.4	70	5.3	
12	176	14.6	148	7.0	126	7.7	75	6.2	
14	186	11.0	164	8.1	136	8.0	80	6.2	
16	196	13.6	180	9.1	151	8.8	84	6.7	
18	232	5.4	216	9.9	169	9.4	87	6.8	
20	223	7.6	164	10.2	120	9.6	66	6.7	
22	164	10.7	138	8.4	106	9.0	57	6.3	
TOTAL	2498	122.1	2063	110.8	1658	105.9	912	79.8	
MEAN	208	10.2	172	9.2	138	8.8	76	6.6	
MAX	252	12.9	216	9.9	175	8.8	90	7.1	
(TIME)	4 : 00		18 : 00		8 : 00		8 : 00		

		8/ 1/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)	
0	189	11.1	172	8.1	137	8.5	76	6.8	
2	214	16.5	184	9.7	143	9.0	81	6.7	
4	243	13.0	169	11.5	128	10.7	69	7.5	
6	243	7.8	201	11.7	160	11.6	91	8.5	
8	268	12.3	235	11.8	195	9.1	103	7.6	
10	208	4.9	173	7.5	141	6.7	75	5.8	
12	206	15.2	169	6.6	132	7.1	78	6.1	
14	164	13.4	154	8.6	135	7.6	79	6.0	
16	213	7.8	187	9.6	155	9.0	85	6.9	
18	237	5.4	206	10.2	174	9.2	93	7.2	
20	201	10.6	159	9.3	121	9.8	65	6.7	
22	170	6.9	149	8.7	117	9.3	66	7.2	
TOTAL	2556	124.9	2158	113.3	1738	107.6	961	83.0	
MEAN	213	10.4	180	9.4	145	9.0	80	6.9	
MAX	268	12.3	235	11.8	195	9.1	103	7.6	
(TIME)	8 : 00		8 : 00		8 : 00		8 : 00		

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	2/1984 TMEAN (SEC)
0	192	12.1	149	9.8	119	8.8	62	5.9
2	175	10.8	148	11.0	115	9.3	58	5.5
4	155	11.0	133	9.4	107	9.3	59	6.5
6	169	7.0	161	10.1	125	9.8	77	8.0
8	164	10.0	139	9.7	111	9.4	65	7.3
10	162	11.6	130	10.3	103	9.4	59	7.0
12	138	10.6	118	9.2	95	9.0	55	6.5
14	156	6.5	136	8.6	110	8.9	59	5.9
16	151	10.9	120	9.6	98	9.1	52	5.9
18	172	11.4	137	9.9	110	10.0	62	7.1
20	125	10.8	117	10.8	99	9.9	57	7.4
22	144	6.7	116	10.0	86	9.5	45	6.0
TOTAL	1903	119.4	1604	118.4	1278	112.4	710	79.0
MEAN	159	9.9	134	9.9	107	9.4	59	6.6
MAX	192	12.1	161	10.1	125	9.8	77	8.0
(TIME)	0 : 00		6 : 00		6 : 00		6 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	2/1984 TMEAN (SEC)
0	214	12.0	166	9.8	135	9.5	78	7.7
2	182	12.0	156	10.4	128	9.8	76	7.6
4	169	11.1	145	9.7	116	9.3	68	7.6
6	173	11.9	163	10.1	126	9.8	77	7.9
8	168	10.4	148	9.3	118	9.5	71	8.0
10	168	11.6	140	9.7	109	9.7	64	7.6
12	142	7.7	122	8.6	102	8.9	61	7.1
14	165	6.7	135	9.1	111	8.8	61	6.0
16	143	11.2	123	9.5	106	9.5	59	6.6
18	171	11.8	140	10.7	115	10.0	68	7.6
20	133	10.9	121	10.0	105	10.1	66	8.5
22	140	10.8	127	10.0	96	9.7	60	8.7
TOTAL	1968	128.1	1686	116.9	1367	114.6	809	90.9
MEAN	164	10.7	141	9.7	114	9.5	67	7.6
MAX	214	12.0	166	9.8	135	9.5	78	7.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	131	8.6	101	8.7	69	7.2	34	3.9
2	109	8.1	93	8.4	71	8.3	36	4.9
4	136	10.7	112	9.0	82	8.5	43	5.2
6	119	7.3	95	8.8	73	8.7	39	5.5
8	146	10.8	118	9.4	87	8.8	47	6.5
10	120	10.6	90	9.5	61	7.7	30	4.1
12	99	9.3	83	9.1	58	7.2	29	3.6
14	98	11.8	71	9.2	50	7.5	26	3.9
16	87	5.4	71	8.2	58	8.0	34	5.3
18	123	8.5	91	9.7	65	8.8	36	5.7
20	113	10.3	90	10.3	66	9.2	39	6.8
22	98	9.2	75	8.5	60	8.9	34	6.5
TOTAL	1379	110.6	1090	108.8	800	98.8	427	61.9
MEAN	115	9.2	91	9.1	67	8.2	36	5.2
MAX	146	10.8	118	9.4	87	8.8	47	6.5
(TIME)	8 : 00		8 : 00		8 : 00		8 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	125	10.7	109	9.7	88	10.0	49	7.1
2	117	10.5	104	9.1	86	9.9	54	8.0
4	142	11.0	127	10.1	98	9.6	60	8.1
6	125	8.0	100	8.8	81	9.2	48	7.3
8	142	9.5	125	9.7	94	9.3	49	6.9
10	123	10.6	104	9.4	80	9.4	45	7.2
12	102	9.0	97	9.4	77	9.3	46	7.0
14	96	11.3	80	9.9	62	9.2	37	6.7
16	94	10.8	80	9.5	64	9.0	38	6.7
18	138	9.0	98	9.7	70	9.2	39	6.3
20	110	10.7	94	9.9	68	9.4	45	7.9
22	94	10.3	79	9.3	63	9.5	37	7.4
TOTAL	1408	121.4	1197	114.5	931	113.0	547	86.6
MEAN	117	10.1	100	9.5	78	9.4	46	7.2
MAX	142	11.0	127	10.1	98	9.6	60	8.1
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	83	10.0	68	8.6	55	8.1	34	5.6
2	115	10.0	68	9.1	48	7.7	26	4.2
4	87	10.0	60	8.2	41	6.2	23	3.3
6	83	9.8	68	9.1	52	8.6	29	5.4
8	78	8.7	67	8.1	52	8.1	28	4.9
10	89	7.5	69	8.9	50	7.8	26	4.3
12	86	8.0	67	8.7	52	8.4	29	4.8
14	101	9.3	71	7.7	51	6.5	27	3.5
16	93	10.9	67	9.7	50	8.3	28	5.2
18	89	10.0	60	8.7	45	7.5	25	4.7
20	83	8.7	65	9.0	49	8.7	26	5.5
22	77	8.9	65	9.5	51	9.1	31	6.8
TOTAL	1064	111.8	795	105.3	596	95.0	332	58.2
MEAN	89	9.3	66	8.8	50	7.9	28	4.8
MAX	115	10.0	71	7.7	55	8.1	34	5.6
(TIME)	2 : 00		14 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	90	9.8	73	8.9	57	8.7	33	6.1
2	113	9.8	74	9.9	57	9.1	32	6.7
4	95	10.2	71	9.4	55	9.2	34	7.1
6	83	10.4	72	9.6	57	8.8	32	6.7
8	83	8.2	74	9.0	59	8.9	38	7.4
10	97	8.0	77	8.5	60	9.3	36	7.0
12	83	7.3	73	8.6	56	8.4	30	5.2
14	97	9.1	77	8.5	64	9.0	38	6.8
16	90	11.5	75	9.2	55	8.9	30	6.1
18	92	10.4	64	8.5	50	8.8	28	6.0
20	85	8.1	67	9.3	52	8.8	28	6.0
22	80	9.0	68	9.0	55	9.2	35	7.8
TOTAL	1088	111.8	865	108.4	677	107.1	394	78.9
MEAN	91	9.3	72	9.0	56	8.9	33	6.6
MAX	113	9.8	77	8.5	64	9.0	38	7.4
(TIME)	2 : 00		10 : 00		14 : 00		8 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ 5/1984 HMEAN (CM)	TMEAN (SEC)
0								
2	90	12.4	58	7.5	38	5.6	22	3.0
4	108	9.8	74	8.5	60	8.9	35	6.0
6	118	7.2	81	9.2	60	7.9	30	3.9
8	95	7.0	83	8.0	67	8.0	42	6.7
10	126	10.6	91	8.8	73	9.0	43	6.6
12	112	8.9	87	9.1	71	9.5	39	6.4
14	90	9.7	71	8.4	51	7.7	27	4.5
16	94	10.3	77	9.4	57	8.3	30	4.7
18	104	10.7	85	9.2	68	9.1	37	5.7
20	85	9.8	74	8.9	59	8.8	36	6.7
22	100	12.1	76	9.2	59	9.5	34	7.0
TOTAL	1122	108.5	857	96.2	663	92.3	375	61.2
MEAN	102	9.9	78	8.7	60	8.4	34	5.6
MAX	126	10.6	91	8.8	73	9.0	43	6.6
(TIME)	10 : 00		10 : 00		10 : 00		10 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ 5/1984 HMEAN (CM)	TMEAN (SEC)
0								
2	93	12.4	67	10.6	53	9.5	28	6.5
4	115	9.6	80	8.8	64	9.0	39	7.5
6	123	7.3	94	9.2	75	9.0	47	7.8
8	95	9.9	86	8.8	72	8.8	45	7.4
10	125	10.6	95	8.4	75	9.1	46	7.1
12	112	8.2	90	9.4	74	9.4	42	6.9
14	88	7.9	73	8.5	57	8.1	31	5.0
16	98	9.4	77	9.8	60	9.0	32	5.4
18	108	10.5	92	9.5	73	9.1	43	6.6
20	86	7.6	76	9.0	62	9.2	39	7.3
22	94	12.3	77	9.7	61	9.4	38	7.8
TOTAL	1137	105.7	907	101.7	726	99.6	430	75.3
MEAN	103	9.6	83	9.2	66	9.1	39	6.8
MAX	125	10.6	95	8.4	75	9.0	47	7.8
(TIME)	10 : 00		10 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ 6/1984 HMEAN (CM)	TMEAN (SEC)
0	96	9.9	85	8.7	60	8.2	30	4.8
2	91	7.0	75	8.3	58	7.5	31	4.1
4	91	8.4	79	8.3	65	8.4	41	6.4
6	77	7.6	69	8.6	58	8.4	39	6.9
8	94	8.6	60	7.1	40	5.8	22	3.1
10	81	6.8	62	8.6	49	7.9	29	4.9
12								
14	74	9.2	56	8.6	38	6.5	21	3.6
16	89	8.3	56	7.9	38	6.2	21	3.7
18	71	9.0	48	9.1	35	6.9	20	3.8
20	76	7.2	63	8.4	49	8.7	28	5.7
22	63	8.5	58	10.0	47	8.7	27	5.9
TOTAL	903	90.5	711	93.6	537	83.2	309	52.9
MEAN	82	8.2	65	8.5	49	7.6	28	4.8
MAX	96	9.9	85	8.7	65	8.4	41	6.4
(TIME)	0 : 00		0 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ 6/1984 HMEAN (CM)	TMEAN (SEC)
0	92	6.9	87	9.3	72	9.0	41	7.3
2	95	7.5	81	8.3	70	8.6	42	7.0
4	95	8.7	81	9.2	63	8.8	37	6.4
6	76	7.9	71	7.9	59	8.3	38	7.2
8	93	11.6	69	8.6	54	8.4	29	5.6
10	83	8.1	68	9.8	52	8.2	31	5.8
12								
14	72	10.8	64	9.5	48	9.1	27	6.4
16	81	8.6	66	9.0	48	8.7	28	6.7
18	64	9.6	55	10.1	42	9.5	25	6.5
20	82	7.3	67	9.1	52	8.8	31	6.7
22	63	8.3	56	9.5	46	8.7	27	6.2
TOTAL	896	95.3	765	100.3	606	96.1	356	71.8
MEAN	82	8.7	70	9.1	55	8.7	32	6.5
MAX	95	7.5	87	9.3	72	9.0	42	7.0
(TIME)	2 : 00		0 : 00		0 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ 7/1984 HMEAN (CM)	TMEAN (SEC)
0	78	9.5	64	8.7	50	8.8	28	6.0
2	71	6.9	45	8.1	34	7.0	19	3.9
4	66	6.7	47	6.6	33	4.8	19	2.5
6	74	13.2	59	8.8	48	8.2	26	5.4
8	60	6.1	53	9.2	43	8.5	24	5.6
10	68	10.3	50	8.6	36	7.2	19	3.8
12	49	8.4	40	9.4	31	7.7	17	4.2
14	64	12.2	45	9.0	32	6.6	17	3.6
16	54	8.2	43	8.3	30	6.6	18	3.6
18	58	10.5	43	7.3	33	5.3	21	3.2
20	70	8.3	46	7.7	33	5.4	20	3.2
22	59	8.2	44	8.9	32	7.0	19	4.0
TOTAL	771	108.5	579	100.6	435	83.1	247	49.0
MEAN	64	9.0	48	8.4	36	6.9	21	4.1
MAX	78	9.5	64	8.7	50	8.8	28	6.0
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ 7/1984 HMEAN (CM)	TMEAN (SEC)
0	81	9.5	67	9.3	53	9.1	31	6.8
2	68	6.7	50	8.9	40	8.4	25	6.0
4	62	7.4	57	7.9	45	8.2	27	6.0
6	68	8.3	53	8.0	41	8.0	25	6.2
8	63	6.1	54	9.9	39	8.8	22	5.9
10	61	10.8	56	8.9	43	8.8	25	6.2
12	56	6.6	42	8.7	34	8.8	19	5.2
14	68	12.2	47	10.0	35	7.5	19	4.3
16	53	7.5	45	9.2	33	7.5	18	4.3
18	51	9.7	43	8.8	35	6.3	22	3.7
20	64	7.5	49	8.2	35	6.1	21	3.6
22	63	10.5	45	9.6	31	6.7	17	3.8
TOTAL	758	102.8	608	107.4	464	94.2	271	62.0
MEAN	63	8.6	51	8.9	39	7.8	23	5.2
MAX	81	9.5	67	9.3	53	9.1	31	6.8
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	59	10.0	45	10.4	34	8.3	19	5.0
2	53	10.6	42	9.4	32	8.1	19	5.2
4	54	10.8	47	8.2	36	7.3	21	4.3
6	56	10.2	49	8.7	40	7.9	22	5.0
8	63	10.6	50	8.6	38	8.0	22	5.4
10	62	9.7	52	9.7	41	8.0	23	4.6
12	65	7.1	48	10.2	33	6.3	19	3.8
14	49	6.5	39	8.7	30	6.2	18	3.8
16	64	12.3	47	8.3	33	7.0	19	4.1
18	47	6.1	40	8.1	31	6.9	18	4.4
20	60	14.2	37	7.8	27	5.6	16	3.8
22	53	10.4	42	10.0	31	8.4	17	4.9
TOTAL	685	118.5	538	108.1	406	88.0	233	54.3
MEAN	57	9.9	45	9.0	34	7.3	19	4.5
MAX	65	7.1	52	9.7	41	8.0	23	4.6
(TIME)	12 : 00		10 : 00		10 : 00		10 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	54	9.6	49	10.2	39	10.0	22	6.7
2	61	7.0	46	9.5	36	9.7	22	6.7
4	58	9.6	52	10.6	39	10.2	23	6.8
6	54	10.0	44	9.3	34	8.3	20	5.6
8	48	12.0	40	8.8	34	7.8	22	5.6
10	61	10.1	48	10.3	35	7.9	20	4.8
12	63	11.1	48	10.4	33	7.7	19	4.5
14	58	11.1	43	10.2	32	7.7	19	4.7
16	59	9.7	47	9.6	33	7.7	19	4.6
18	51	7.0	43	8.9	34	8.3	20	5.2
20	56	10.0	43	10.7	31	9.2	17	5.3
22	58	8.9	45	10.3	33	8.9	18	5.8
TOTAL	681	116.1	548	118.8	413	103.4	241	66.3
MEAN	57	9.7	46	9.9	34	8.6	20	5.5
MAX	63	11.1	52	10.6	39	10.0	23	6.8
(TIME)	12 : 00		4 : 00		0 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	9/1984 TMEAN (SEC)
0	63	10.9	45	9.7	36	8.1	21	4.9
2	67	11.1	51	7.2	40	7.3	23	4.8
4	65	5.9	51	6.5	41	6.5	24	4.1
6	80	10.3	54	8.0	43	6.8	27	4.1
8	77	6.8	59	8.6	45	7.4	26	5.0
10	77	5.7	60	7.6	47	6.7	26	4.5
12	85	7.9	59	7.0	44	6.5	24	3.7
14	67	7.3	56	7.2	46	7.0	25	4.4
16	69	12.7	58	8.4	46	7.3	27	4.9
18	102	7.1	67	7.2	50	7.4	29	4.9
20	81	7.2	58	7.2	44	6.1	25	3.6
22	97	7.3	67	7.1	50	6.7	29	4.4
TOTAL	930	100.2	685	91.7	532	83.8	306	53.3
MEAN	78	8.3	57	7.6	44	7.0	26	4.4
MAX	102	7.1	67	7.2	50	7.4	29	4.9
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/ HMEAN (CM)	9/1984 TMEAN (SEC)
0	52	7.4	48	10.0	41	8.9	25	6.2
2	60	10.9	51	8.6	40	7.7	24	5.4
4	62	5.7	53	6.7	45	7.0	27	5.3
6	75	10.0	61	6.6	48	7.9	30	5.9
8	80	6.5	59	9.3	46	8.0	27	5.4
10	78	5.8	58	7.9	46	7.2	28	5.3
12	77	7.8	65	7.8	52	7.4	33	5.6
14	72	5.2	61	7.3	48	7.3	28	5.2
16	70	12.0	58	8.3	48	8.0	30	5.8
18	102	6.6	72	8.3	55	8.0	33	5.8
20	83	6.9	67	9.3	55	7.9	35	6.0
22	84	6.2	72	7.9	56	7.1	34	5.5
TOTAL	895	91.0	725	98.0	580	92.4	354	67.4
MEAN	75	7.6	60	8.2	48	7.7	30	5.6
MAX	102	6.6	72	8.3	56	7.1	35	6.0
(TIME)	18 : 00		18 : 00		22 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/10/1984 HMEAN (CM)	8/10/1984 TMEAN (SEC)
0	80	6.6	65	7.5	53	7.6	31	5.4
2	85	6.1	66	7.8	51	7.4	30	5.2
4	75	8.8	59	9.1	47	7.8	28	5.1
6	83	11.1	57	7.8	43	6.3	25	3.5
8	84	10.4	63	7.9	50	7.9	29	5.7
10	83	10.0	66	9.4	50	8.2	29	5.4
12	88	10.3	68	9.2	54	8.1	31	4.9
14	91	6.7	68	9.0	51	7.8	28	4.6
16	91	8.0	75	8.9	58	9.0	32	5.7
18	87	10.5	73	9.0	56	8.9	31	5.6
20	83	6.2	59	8.1	42	7.2	23	3.8
22	77	8.3	58	7.7	42	7.0	23	3.9
TOTAL	1007	103.0	777	101.4	597	93.2	340	58.8
MEAN	84	8.6	65	8.4	50	7.8	28	4.9
MAX	91	6.7	75	8.9	58	9.0	32	5.7
(TIME)	14 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/10/1984 HMEAN (CM)	8/10/1984 TMEAN (SEC)
0	76	6.3	68	8.8	55	8.4	34	6.0
2	83	6.1	64	8.5	52	7.7	32	5.8
4	76	8.8	64	9.1	51	8.6	32	6.2
6	87	11.7	62	9.1	51	8.3	32	6.6
8	84	9.9	65	8.0	51	8.1	30	6.0
10	81	9.8	70	9.3	54	8.5	32	6.2
12	84	6.3	69	8.5	57	8.7	32	5.4
14	98	6.7	72	9.2	57	8.8	32	5.6
16	92	8.0	78	9.2	60	9.0	37	6.9
18	88	10.4	77	9.3	61	9.2	34	6.4
20	90	6.3	66	7.5	51	9.2	32	6.9
22	86	9.0	64	8.9	51	9.1	31	7.0
TOTAL	1025	99.3	819	105.4	651	103.6	390	75.0
MEAN	85	8.3	68	8.8	54	8.6	33	6.2
MAX	98	6.7	78	9.2	61	9.2	37	6.9
(TIME)	14 : 00		16 : 00		18 : 00		16 : 00	

NO.1		8/11/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	77	7.6	60	7.7	47	7.7	27	5.1	
2	94	11.3	66	8.4	50	8.4	29	5.4	
4	77	10.9	60	9.0	47	8.5	27	5.8	
6	76	6.7	59	8.5	48	8.9	28	5.8	
8	70	10.3	60	8.5	50	8.1	27	5.7	
10	88	8.2	64	8.3	49	8.4	26	5.5	
12	85	5.6	65	8.2	51	8.2	28	5.3	
14									
16									
18	85	8.2	58	8.5	40	6.8	22	4.0	
20	77	11.7	57	9.2	42	7.7	23	4.1	
22	74	13.0	59	10.6	44	9.0	25	5.4	
TOTAL	803	93.5	608	86.9	468	81.7	262	52.1	
MEAN	80	9.3	61	8.7	47	8.2	26	5.2	
MAX	94	11.3	66	8.4	51	8.2	29	5.4	
(TIME)	2 : 00		2 : 00		12 : 00		2 : 00		

NO.2		8/11/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	90	8.0	66	8.6	51	8.5	30	5.8	
2	100	11.3	67	8.6	52	8.2	30	6.0	
4	78	10.8	63	10.1	50	9.6	30	6.9	
6	84	6.9	65	9.5	52	9.3	31	7.0	
8	69	10.0	57	7.9	44	8.5	25	6.1	
10	88	6.4	62	7.8	50	8.5	27	5.6	
12	87	5.9	68	8.7	52	8.2	28	5.6	
14									
16									
18	85	8.4	58	8.7	42	7.0	23	4.3	
20	87	11.4	61	10.7	48	8.8	27	5.2	
22	76	11.7	60	10.6	44	9.4	25	5.7	
TOTAL	844	90.8	627	91.2	485	86.0	276	58.2	
MEAN	84	9.1	63	9.1	49	8.6	28	5.8	
MAX	100	11.3	68	8.7	52	8.2	31	7.0	
(TIME)	2 : 00		12 : 00		2 : 00		6 : 00		

		8/12/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	66	9.6	56	8.2	38	6.9	21	3.9	
2	74	6.5	51	9.3	39	8.6	21	5.3	
4	70	9.5	49	10.7	36	8.7	20	5.2	
6	63	7.7	49	7.9	34	6.8	19	3.9	
8	70	7.0	52	8.9	39	6.9	22	4.0	
10	64	8.1	51	9.5	39	7.8	23	5.1	
12	65	10.9	51	7.2	37	6.1	21	3.8	
14	62	9.7	48	7.5	36	5.8	21	3.5	
16	62	11.7	50	8.4	38	6.8	22	3.9	
18	63	10.4	51	8.6	40	7.2	22	4.0	
20	51	12.2	42	9.0	31	6.1	17	3.5	
22	72	9.3	54	10.5	41	8.5	23	4.9	
TOTAL	782	112.6	604	105.7	448	86.2	252	51.0	
MEAN	65	9.4	50	8.8	37	7.2	21	4.2	
MAX	74	6.5	56	8.2	41	8.5	23	5.1	
(TIME)	2 : 00		0 : 00		22 : 00		10 : 00		

		8/12/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	80	11.8	63	9.5	47	9.6	27	6.2	
2	74	7.1	51	10.6	40	9.2	22	5.9	
4	64	9.1	51	10.9	42	9.4	24	6.3	
6	64	7.4	54	10.0	43	9.1	25	6.1	
8	65	12.0	55	10.1	42	9.2	24	6.2	
10	63	12.8	53	10.2	44	8.7	26	5.7	
12	66	11.0	49	8.0	38	6.8	22	4.2	
14	66	11.2	46	7.3	35	5.8	20	3.4	
16	71	10.7	55	8.5	40	6.8	23	4.1	
18	68	9.7	56	10.1	44	8.3	26	4.9	
20	51	12.1	45	9.8	35	8.2	21	5.0	
22	65	11.9	54	9.5	42	8.8	25	6.3	
TOTAL	797	126.8	632	114.5	492	99.9	285	64.3	
MEAN	66	10.6	53	9.5	41	8.3	24	5.4	
MAX	80	11.8	63	9.5	47	9.6	27	6.2	
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00		

		8/13/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	86	12.9	55	10.1	38	7.8	21	4.3	
2	53	10.0	47	9.3	35	7.4	21	5.0	
4	60	7.7	51	9.7	39	8.7	22	5.4	
6	80	10.8	55	10.4	42	9.5	23	5.4	
8	85	7.7	53	7.2	36	5.3	21	3.0	
10									
12	120	8.8	80	4.9	62	4.4	40	3.3	
14	100	3.4	77	4.0	62	3.9	40	3.1	
16	89	3.6	68	4.7	53	4.4	33	3.2	
18	100	7.4	75	6.3	58	4.9	35	3.3	
20	94	4.2	69	5.1	55	5.0	35	3.6	
22	79	5.8	66	7.3	50	6.3	29	3.9	
TOTAL	946	82.3	696	79.0	530	67.6	320	43.5	
MEAN	86	7.5	63	7.2	48	6.1	29	4.0	
MAX	120	8.8	80	4.9	62	4.4	40	3.3	
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00		

		8/13/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	83	12.9	64	11.0	49	11.2	28	7.7	
2	65	10.0	50	9.7	39	8.6	23	5.9	
4	59	13.7	52	11.3	42	9.8	23	5.8	
6	79	11.1	59	11.4	45	10.5	26	6.7	
8	90	10.7	60	9.3	43	7.9	24	4.6	
10									
12	116	4.0	86	4.5	66	4.1	43	3.4	
14	123	2.9	88	4.5	69	4.4	43	3.4	
16	88	4.0	70	5.1	57	4.5	36	3.4	
18	88	4.4	74	6.4	60	5.1	38	3.8	
20	104	6.4	75	5.7	58	5.3	38	3.7	
22	88	7.4	68	7.5	54	6.5	31	4.0	
TOTAL	983	87.5	746	86.4	582	77.9	353	52.4	
MEAN	89	8.0	68	7.9	53	7.1	32	4.8	
MAX	123	2.9	88	4.5	69	4.4	43	3.4	
(TIME)	14 : 00		14 : 00		14 : 00		12 : 00		

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/14/1984 HMEAN TMEAN (CM) (SEC)	
0	102	8.3	87	8.3	64	7.3	38	4.7
2	128	7.8	107	7.9	87	7.8	53	5.5
4	111	9.0	95	7.5	78	7.5	47	5.2
6	114	9.5	100	7.8	87	7.5	57	5.6
8								
10	111	6.7	96	7.9	76	7.5	47	5.4
12								
14								
16								
18								
20	116	7.9	79	9.5	60	9.4	31	5.7
22	95	5.4	69	8.3	52	8.7	29	5.4
TOTAL	777	54.6	633	57.2	504	55.7	302	37.5
MEAN	111	7.8	90	8.2	72	8.0	43	5.4
MAX	128	7.8	107	7.9	87	7.8	57	5.6
(TIME)	2 : 00		2 : 00		2 : 00		6 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/14/1984 HMEAN TMEAN (CM) (SEC)	
0	122	6.8	94	7.9	69	7.5	39	4.6
2	133	7.5	114	8.0	93	7.9	57	5.8
4	125	8.8	105	7.7	87	7.6	53	5.7
6	127	10.0	106	8.1	90	7.8	56	5.4
8								
10	121	6.6	101	7.6	80	7.4	49	5.5
12								
14								
16								
18								
20	110	9.9	78	10.6	64	10.0	36	6.6
22	93	5.5	70	9.3	56	9.5	33	6.7
TOTAL	831	55.1	668	59.2	539	57.7	323	40.3
MEAN	119	7.9	95	8.5	77	8.2	46	5.8
MAX	133	7.5	114	8.0	93	7.9	57	5.8
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/15/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20	73	13.2	64	10.6	50	8.7	29	5.3
22	78	12.7	64	10.7	51	9.4	29	5.7
TOTAL	151	25.9	128	21.3	101	18.1	58	11.0
MEAN	76	12.9	64	10.6	51	9.0	29	5.5
MAX	78	12.7	64	10.6	51	9.4	29	5.3
(TIME)	22 : 00		20 : 00		22 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/15/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20	79	12.2	70	10.9	55	8.9	33	6.1
22	74	12.7	66	11.6	55	10.3	31	6.7
TOTAL	153	24.9	136	22.5	110	19.2	64	12.8
MEAN	77	12.4	68	11.3	55	9.6	32	6.4
MAX	79	12.2	70	10.9	55	8.9	33	6.1
(TIME)	20 : 00		20 : 00		20 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/16/1984 HMEAN TMEAN (CM) (SEC)	
0	79	7.3	52	6.3	35	4.6	21	2.7
2	97	7.6	68	8.9	49	6.9	27	4.0
4	120	6.1	78	8.7	56	7.7	31	5.2
6	118	12.4	75	10.3	52	8.5	28	5.4
8	89	10.7	67	9.5	53	8.3	28	5.2
10								
12	119	12.3	79	9.4	59	8.4	32	5.8
14	94	6.3	76	8.3	56	7.5	31	4.6
16	105	12.2	71	9.3	51	6.8	28	3.8
18	107	11.7	74	9.2	52	7.6	28	4.5
20	95	11.4	73	9.8	53	7.8	30	4.7
22	99	8.8	75	9.4	59	8.8	35	5.8
TOTAL	1122	106.8	788	99.1	575	82.9	319	51.7
MEAN	102	9.7	72	9.0	52	7.5	29	4.7
MAX	120	6.1	79	9.4	59	8.4	35	5.8
(TIME)	4 : 00		12 : 00		12 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	8/16/1984 HMEAN TMEAN (CM) (SEC)	
0	76	10.4	67	11.3	53	9.3	31	6.7
2	100	10.8	79	10.8	61	9.6	36	7.1
4	114	6.1	85	8.0	63	8.7	37	6.7
6	116	12.3	82	10.9	58	9.1	33	6.6
8	90	10.9	73	9.8	59	9.7	33	6.7
10								
12	126	12.4	83	8.6	63	9.2	35	6.5
14	103	6.2	84	9.5	63	8.2	35	5.4
16	102	8.0	74	8.9	54	7.3	31	4.4
18	105	11.2	78	9.9	56	8.2	31	4.9
20	90	11.7	77	10.4	57	8.3	33	5.2
22	103	9.1	86	9.3	66	9.2	38	6.8
TOTAL	1125	109.1	868	107.4	653	96.8	373	67.0
MEAN	102	9.9	79	9.8	59	8.8	34	6.1
MAX	126	12.4	86	9.3	66	9.2	38	6.8
(TIME)	12 : 00		22 : 00		22 : 00		22 : 00	

8/17/1984								
NO.1	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	110	7.1	68	7.4	47	6.0	25	3.1
2	109	10.9	71	7.7	46	5.9	25	3.1
4	114	9.5	78	9.0	58	8.5	32	5.0
6	79	8.6	70	9.6	57	8.9	32	5.8
8	70	10.4	55	9.3	44	8.6	25	5.2
10								
12	105	9.4	73	8.5	52	8.1	28	4.9
14								
16	85	9.8	69	9.5	58	8.8	35	5.7
18	94	10.1	72	10.5	55	8.4	32	5.6
20	89	10.5	73	8.2	58	9.4	33	5.9
22	84	6.4	60	8.0	44	6.7	24	3.6
TOTAL	939	92.7	689	87.7	519	79.3	291	47.9
MEAN	94	9.3	69	8.8	52	7.9	29	4.8
MAX	114	9.5	78	9.0	58	8.5	35	5.7
(TIME)	4 : 00		4 : 00		4 : 00		16 : 00	

8/17/1984								
NO.2	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	103	4.3	75	9.7	60	9.2	34	5.9
2	109	4.9	89	8.1	67	8.8	37	6.1
4	111	10.5	88	9.9	66	9.2	37	6.4
6	86	8.3	71	10.4	59	9.3	34	6.6
8	73	10.4	60	9.5	48	8.9	27	5.9
10								
12	96	9.5	73	8.8	54	8.6	29	5.3
14								
16	89	9.7	75	9.5	60	8.8	38	6.0
18	102	9.9	79	10.6	61	9.0	37	6.4
20	90	10.2	79	8.3	65	10.6	40	7.2
22	95	14.3	73	9.5	58	8.6	35	6.5
TOTAL	954	92.0	762	94.3	598	91.0	348	62.3
MEAN	95	9.2	76	9.4	60	9.1	35	6.2
MAX	111	10.5	89	8.1	67	8.8	40	7.2
(TIME)	4 : 00		2 : 00		2 : 00		20 : 00	

8/18/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	87	8.1	58	6.6	41	4.9	23	2.6
2	104	6.3	70	7.0	54	7.1	31	4.2
4	100	8.9	68	7.0	53	6.9	31	4.4
6	102	13.2	65	8.0	51	6.9	29	4.3
8	91	11.5	76	8.4	58	8.5	32	5.2
10	83	8.2	69	7.9	57	8.6	34	5.9
12	70	6.0	62	7.3	47	6.8	26	4.4
14	77	13.6	60	9.7	46	7.5	25	4.4
16	99	6.0	63	8.5	48	7.0	28	4.2
18	91	6.7	63	8.1	46	7.3	25	4.4
20								
22	93	9.7	62	9.1	45	7.1	26	4.3
TOTAL	997	98.2	716	87.6	546	78.6	310	48.3
MEAN	91	8.9	65	8.0	50	7.1	28	4.4
MAX	104	6.3	76	8.4	58	8.5	34	5.9
(TIME)	2 : 00		8 : 00		8 : 00		10 : 00	

8/18/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	84	10.0	71	8.6	57	8.3	32	5.8
2	94	6.7	77	8.8	60	8.5	38	6.1
4	87	7.1	76	9.1	60	8.7	36	6.3
6	94	13.2	71	9.3	57	8.0	36	5.9
8	91	11.4	80	9.0	62	8.4	37	6.3
10	90	9.6	67	8.1	56	8.0	34	5.9
12	83	12.6	66	8.0	52	8.3	31	5.7
14	86	5.8	60	9.1	47	7.4	28	4.9
16	104	5.6	65	8.5	49	7.3	28	4.4
18	91	6.5	66	9.0	48	7.8	26	4.8
20								
22	85	9.5	70	10.2	54	9.1	34	6.9
TOTAL	989	98.0	769	97.7	602	89.8	360	63.0
MEAN	90	8.9	70	8.9	55	8.2	33	5.7
MAX	104	5.6	80	9.0	62	8.4	38	6.1
(TIME)	16 : 00		8 : 00		8 : 00		2 : 00	

8/19/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	75	5.4	61	9.1	44	6.4	24	3.7
2	88	9.4	64	7.7	49	7.0	29	4.5
4	70	5.5	49	6.3	35	4.7	20	2.6
6	75	11.6	58	9.0	45	8.6	25	5.0
8	77	10.7	50	8.3	37	6.6	22	4.0
10	90	11.4	57	9.0	40	6.4	22	3.6
12	73	4.0	61	8.6	50	9.0	31	6.2
14	77	9.1	58	7.6	43	6.2	24	3.6
16	82	4.7	56	9.0	41	6.8	24	3.8
18	74	7.2	60	8.0	46	6.4	28	4.2
20								
22	147	6.5	105	10.1	71	8.3	37	5.3
TOTAL	928	85.5	679	92.7	501	76.4	286	46.5
MEAN	84	7.8	62	8.4	46	6.9	26	4.2
MAX	147	6.5	105	10.1	71	8.3	37	5.3
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

8/19/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	75	10.8	68	10.2	51	8.6	30	6.4
2	83	9.9	66	8.8	52	7.9	32	6.6
4	70	13.0	61	9.5	49	9.4	30	6.6
6	77	6.8	62	10.7	51	9.7	30	6.6
8	79	11.4	54	10.0	43	9.2	27	6.2
10	93	11.7	67	10.4	51	10.3	31	6.9
12	80	9.9	63	10.7	50	10.5	30	6.9
14	87	8.9	63	8.8	48	8.0	28	5.0
16	77	5.4	62	9.6	46	7.5	27	4.3
18	87	13.3	62	9.3	47	7.0	27	4.0
20								
22	153	12.8	111	10.3	76	9.3	39	5.9
TOTAL	961	113.9	739	108.3	564	97.4	331	65.4
MEAN	87	10.4	67	9.8	51	8.9	30	5.9
MAX	153	12.8	111	10.3	76	9.3	39	5.9
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

NO.1		8/20/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	94	11.0	61	8.6	48	7.7	28	4.8	
2	108	11.2	57	7.1	38	5.0	22	2.7	
4	75	6.0	52	7.1	36	5.0	20	2.7	
6	109	5.9	61	8.4	47	7.4	28	4.9	
8	86	10.0	64	7.4	47	7.4	26	4.4	
10	88	6.8	68	8.5	50	7.9	27	4.8	
12	97	9.1	68	10.7	47	8.0	25	4.5	
14	78	6.7	68	10.2	52	9.4	29	5.6	
16	76	10.3	67	10.2	50	9.3	26	4.8	
18	111	12.0	88	10.0	65	8.8	35	5.7	
20	91	10.6	79	9.1	60	8.6	34	5.6	
22	99	12.0	83	8.6	60	8.8	34	6.0	
TOTAL	1112	111.6	816	105.9	600	93.3	334	56.5	
MEAN	93	9.3	68	8.8	50	7.8	28	4.7	
MAX	111	12.0	88	10.0	65	8.8	35	5.7	
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00		

NO.2		8/20/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	91	10.9	63	7.8	49	8.0	28	5.3	
2	112	11.4	70	8.7	53	8.6	29	5.7	
4	81	5.6	65	8.9	51	9.4	29	6.3	
6	119	6.0	69	11.0	50	9.3	28	6.3	
8	83	11.7	69	8.4	55	8.7	34	6.5	
10	95	10.9	68	9.8	52	8.5	29	5.6	
12	99	10.7	71	10.5	51	8.7	28	5.2	
14	81	13.3	75	11.0	60	10.7	37	7.7	
16	82	8.8	71	10.4	56	10.0	30	5.8	
18	110	12.2	89	9.7	68	9.3	38	6.4	
20	93	10.4	83	10.7	66	9.5	39	6.7	
22	98	5.7	84	8.8	66	9.5	41	7.6	
TOTAL	1144	117.6	877	115.7	677	110.2	390	75.1	
MEAN	95	9.8	73	9.6	56	9.2	33	6.3	
MAX	119	6.0	89	9.7	68	9.3	41	7.6	
(TIME)	6 : 00		18 : 00		18 : 00		22 : 00		

		8/21/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	87	5.7	63	8.2	48	7.7	26	4.1	
2	135	6.1	69	6.8	47	6.1	28	3.7	
4	90	6.2	66	6.8	46	5.6	27	3.2	
6	74	6.5	66	7.5	53	7.1	29	4.4	
8	97	5.0	80	8.2	61	7.4	35	4.7	
10	84	13.6	68	8.5	53	7.6	30	4.6	
12	83	13.0	67	8.0	51	7.0	29	4.6	
14	102	5.4	67	8.5	51	7.9	31	5.6	
16	78	11.2	57	8.0	44	7.6	25	4.8	
18	82	11.1	62	8.3	46	7.1	27	4.7	
20	100	5.5	67	7.3	51	8.3	29	5.4	
22	87	13.4	63	9.9	47	8.5	26	5.2	
TOTAL	1099	102.7	795	96.0	598	87.9	342	55.0	
MEAN	92	8.6	66	8.0	50	7.3	29	4.6	
MAX	135	6.1	80	8.2	61	7.4	35	4.7	
(TIME)	2 : 00		8 : 00		8 : 00		8 : 00		

		8/21/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	100	5.7	74	9.5	58	9.6	36	7.0	
2	139	6.9	85	8.2	60	8.3	36	6.4	
4	100	4.8	77	8.0	57	7.3	32	5.4	
6	84	6.7	73	8.0	59	8.2	34	5.5	
8	101	10.2	87	8.2	62	7.3	35	4.8	
10	88	9.9	74	9.5	60	8.7	34	5.7	
12	83	12.7	67	8.4	54	7.3	32	5.3	
14	83	5.9	65	8.5	53	8.2	31	5.7	
16	82	10.7	62	8.9	48	9.2	28	5.8	
18	83	9.6	65	8.3	48	7.4	27	4.8	
20	80	5.7	65	7.4	52	8.5	32	6.1	
22	90	13.3	65	10.1	50	9.2	30	6.1	
TOTAL	1113	102.1	859	103.0	661	99.2	387	68.6	
MEAN	93	8.5	72	8.6	55	8.3	32	5.7	
MAX	139	6.9	87	8.2	62	7.3	36	7.0	
(TIME)	2 : 00		8 : 00		8 : 00		0 : 00		

		8/22/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	78	10.4	66	9.6	50	8.1	28	4.9	
2	74	5.6	60	8.6	44	6.7	25	4.5	
4	86	6.4	55	6.3	42	6.4	25	4.2	
6	71	7.7	57	6.3	47	6.4	29	4.5	
8	90	6.9	71	8.7	52	6.9	30	4.4	
10	92	10.3	69	7.2	52	6.4	31	3.9	
12	85	7.3	61	8.0	46	6.5	27	3.8	
14	93	6.0	76	7.7	57	6.7	33	4.4	
16	76	5.8	63	8.8	49	7.2	29	4.4	
18	83	5.6	69	7.5	53	6.2	31	4.0	
20	87	8.5	70	8.9	55	7.3	33	4.6	
22	74	10.8	63	8.1	50	7.6	31	4.8	
TOTAL	989	91.3	780	95.7	597	82.4	352	52.4	
MEAN	82	7.6	65	8.0	50	6.9	29	4.4	
MAX	93	6.0	76	7.7	57	6.7	33	4.4	
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00		

		8/22/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	91	10.2	71	9.8	52	8.8	30	5.5	
2	74	6.5	60	8.8	44	7.0	26	4.7	
4	94	6.5	58	7.1	44	6.9	27	4.6	
6	74	7.4	60	6.4	49	6.5	30	4.7	
8	101	11.2	76	8.9	56	7.2	32	4.9	
10	106	13.9	74	8.3	54	6.6	30	3.8	
12	87	8.3	63	7.5	47	6.8	27	4.0	
14	88	6.6	78	7.6	60	7.0	36	4.6	
16	85	10.0	68	8.4	54	7.7	33	4.8	
18	93	5.6	74	7.6	56	7.1	35	4.6	
20	95	8.9	74	8.9	58	7.6	36	5.2	
22	84	5.3	67	8.1	53	7.9	33	5.2	
TOTAL	1072	100.4	823	97.4	627	87.1	375	56.6	
MEAN	89	8.4	69	8.1	52	7.3	31	4.7	
MAX	106	13.9	78	7.6	60	7.0	36	4.6	
(TIME)	10 : 00		14 : 00		14 : 00		14 : 00		

8/23/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	97	7.6	74	8.7	58	8.7	34	5.7
2	85	7.2	66	9.3	48	8.2	27	4.8
4	74	5.7	49	7.9	34	5.8	20	3.5
6	68	7.9	61	8.8	50	7.6	31	5.4
8	75	7.4	65	8.4	54	7.6	33	5.3
10	67	5.5	52	6.5	41	5.6	24	3.6
12	74	7.5	61	7.3	49	6.6	28	4.1
14	81	5.3	66	7.5	53	7.3	33	4.8
16	66	10.5	57	7.9	44	6.0	25	3.7
18	65	6.0	54	8.4	41	6.9	26	4.8
20	69	11.3	51	7.7	39	6.6	23	4.0
22	80	10.1	58	8.9	47	7.0	30	4.9
TOTAL	901	92.0	714	97.3	558	83.9	334	54.6
MEAN	75	7.7	60	8.1	47	7.0	28	4.5
MAX	97	7.6	74	8.7	58	8.7	34	5.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

							8/23/1984	
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	97	8.1	78	10.1	63	8.6	39	6.6
2	91	7.4	71	9.0	54	9.5	33	6.6
4	75	14.2	59	8.3	43	8.6	26	6.0
6	68	6.6	60	8.0	48	8.2	28	5.7
8	73	7.7	64	8.8	52	8.0	32	5.9
10	63	8.0	55	7.7	46	6.6	28	4.8
12	77	6.4	64	8.0	54	7.1	33	4.9
14	78	5.2	65	8.0	55	7.4	35	5.0
16	73	8.0	60	7.4	47	6.7	28	4.1
18	63	10.5	58	8.3	45	7.5	27	5.1
20	73	10.0	52	9.2	39	6.8	23	4.3
22	69	7.9	59	8.3	48	7.1	29	4.7
TOTAL	900	100.0	745	101.1	594	92.1	361	63.7
MEAN	75	8.3	62	8.4	50	7.7	30	5.3
MAX	97	8.1	78	10.1	63	8.6	39	6.6
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

8/24/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	83	11.5	63	8.7	49	6.9	31	4.7
2	110	8.1	68	6.7	55	6.0	33	4.2
4	131	8.3	101	8.3	77	7.0	47	5.1
6	117	7.1	91	5.4	74	5.2	44	3.9
8	123	5.5	104	7.2	79	6.1	46	4.3
10	229	14.3	127	7.5	90	6.0	55	4.5
12	192	5.7	148	7.1	110	7.2	67	4.9
14	139	6.7	111	6.9	88	6.4	53	4.2
16	129	6.0	112	7.9	92	7.1	56	4.8
18								
20								
22								
TOTAL	1253	73.2	925	65.7	714	57.9	432	40.6
MEAN	139	8.1	103	7.3	79	6.4	48	4.5
MAX	229	14.3	148	7.1	110	7.2	67	4.9
(TIME)	10 : 00		12 : 00		12 : 00		12 : 00	

8/24/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	79	11.6	66	8.9	51	6.7	33	5.0
2	97	7.7	69	6.4	55	6.4	34	4.3
4	127	8.2	103	7.9	80	6.9	50	5.1
6	119	5.5	103	6.2	81	6.0	49	4.3
8	128	5.1	101	6.8	78	6.2	46	4.4
10	166	14.1	120	7.3	90	6.5	56	4.5
12	211	4.9	154	6.9	118	6.6	73	5.1
14	166	5.8	119	6.7	96	6.9	59	4.6
16	133	5.2	115	7.4	94	7.2	57	4.8
18								
20								
22								
TOTAL	1226	68.1	950	64.5	743	59.4	457	42.1
MEAN	136	7.6	106	7.2	83	6.6	51	4.7
MAX	211	4.9	154	6.9	118	6.6	73	5.1
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00	

8/25/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	231	12.0	204	10.7	154	8.3	91	6.3
2	290	12.6	234	10.2	185	9.3	105	6.7
4								
6	238	4.7	168	7.9	129	6.7	77	5.8
8	160	3.3	136	7.0	115	6.2	69	5.5
10	187	4.0	169	9.2	129	7.4	76	5.9
12	234	5.6	174	7.3	134	7.0	77	5.7
14								
16								
18								
20								
22	242	7.3	191	9.0	150	9.0	91	7.3
TOTAL	1582	49.5	1276	61.3	996	53.9	586	43.2
MEAN	226	7.1	182	8.8	142	7.7	84	6.2
MAX	290	12.6	234	10.2	185	9.3	105	6.7
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

8/25/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	257	10.2	217	10.7	163	8.4	95	6.1
2	320	12.4	244	10.5	198	9.5	118	7.4
4								
6	232	9.2	178	8.6	145	7.6	86	6.1
8	160	6.6	145	8.6	125	7.1	75	5.8
10	192	11.8	167	9.5	128	7.5	75	6.0
12	174	13.5	159	8.5	136	7.3	79	6.0
14								
16								
18								
20								
22	225	7.9	185	6.9	150	8.8	92	7.1
TOTAL	1560	71.6	1295	63.3	1045	56.2	620	44.5
MEAN	223	10.2	185	9.0	149	8.0	89	6.4
MAX	320	12.4	244	10.5	198	9.5	118	7.4
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

NO.1		8/26/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	167	4.8	154	9.5	132	9.0	79	7.3	
2	263	14.2	206	11.2	153	10.0	86	7.7	
4	202	6.5	177	9.6	143	9.2	86	8.1	
6	206	6.4	142	9.8	107	7.6	57	5.4	
8	212	8.7	149	8.2	120	8.2	69	6.4	
10	179	4.3	148	5.9	117	6.5	70	5.7	
12	167	11.3	148	6.0	130	7.1	77	6.1	
14	192	8.7	172	8.6	150	8.7	92	7.2	
16	179	9.8	155	8.7	119	9.2	66	6.4	
18	210	13.4	169	9.2	129	9.7	73	7.2	
20	206	14.3	168	10.6	131	9.2	79	7.0	
22	206	12.0	171	9.9	130	8.4	72	6.7	
TOTAL	2389	114.4	1959	107.2	1561	102.8	906	81.2	
MEAN	199	9.5	163	8.9	130	8.6	76	6.8	
MAX	263	14.2	206	11.2	153	10.0	92	7.2	
(TIME)	2 : 00		2 : 00		2 : 00		14 : 00		

NO.2		8/26/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	175	11.4	157	8.9	135	9.4	81	7.4	
2	313	14.3	214	10.6	159	10.3	91	7.9	
4	204	6.3	184	10.0	150	9.4	91	8.2	
6	283	6.2	162	9.7	125	8.8	70	6.7	
8	224	8.4	164	8.6	130	8.6	75	6.8	
10	181	11.9	155	6.5	121	6.5	70	5.2	
12	180	3.8	149	9.6	128	7.2	73	5.8	
14	219	8.4	184	9.2	156	8.2	89	6.5	
16	190	10.7	164	8.8	123	9.3	70	6.8	
18	217	12.9	175	9.4	132	9.5	77	7.5	
20	212	14.4	167	11.1	136	9.2	83	7.3	
22	204	16.2	166	8.2	134	8.9	80	6.9	
TOTAL	2602	124.9	2041	110.6	1629	105.3	950	83.0	
MEAN	217	10.4	170	9.2	136	8.8	79	6.9	
MAX	313	14.3	214	10.6	159	10.3	91	7.9	
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00		

		8/27/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	188	8.4	159	9.5	120	9.1	69	7.0	
2	157	8.3	146	9.7	116	10.1	67	7.6	
4	181	7.2	140	9.8	111	8.9	68	7.6	
6	182	14.7	152	11.5	119	10.2	72	7.7	
8	196	15.9	139	8.0	109	7.6	62	6.2	
10	138	7.4	116	7.2	98	8.9	59	6.7	
12	133	6.4	120	8.1	97	8.7	54	6.5	
14	128	6.7	108	8.3	79	8.2	42	5.2	
16	152	15.2	120	9.6	86	10.1	49	7.0	
18	133	6.6	119	8.0	94	10.2	57	7.7	
20	123	13.1	107	9.4	76	9.1	44	6.2	
22	127	7.5	95	9.1	68	8.5	38	5.7	
TOTAL	1838	117.4	1521	108.2	1173	109.6	681	81.1	
MEAN	153	9.8	127	9.0	98	9.1	57	6.8	
MAX	196	15.9	159	9.5	120	9.1	72	7.7	
(TIME)	8 : 00		0 : 00		0 : 00		6 : 00		

		8/27/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	182	8.4	164	8.8	125	8.6	74	7.1	
2	169	7.7	148	10.2	121	9.8	73	8.1	
4	179	7.1	141	9.7	111	9.2	60	6.5	
6	180	15.2	155	9.6	121	8.9	75	7.9	
8	172	5.8	139	6.6	113	7.4	68	6.9	
10	159	7.0	124	7.2	99	7.8	59	6.3	
12	140	12.7	122	8.6	101	9.2	61	7.5	
14	136	7.8	115	6.9	89	8.6	54	7.2	
16	161	13.9	128	9.5	93	10.0	54	7.8	
18	143	6.6	115	8.9	92	9.6	56	7.6	
20	128	13.2	111	9.2	82	9.6	47	6.8	
22	117	9.7	97	9.3	72	9.4	41	6.1	
TOTAL	1866	115.1	1559	104.5	1219	108.1	722	85.8	
MEAN	156	9.6	130	8.7	102	9.0	60	7.1	
MAX	182	8.4	164	8.8	125	8.6	75	7.9	
(TIME)	0 : 00		0 : 00		0 : 00		6 : 00		

		8/28/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	145	10.6	100	8.6	75	8.0	43	5.3	
2	136	6.3	104	8.3	79	8.1	43	5.1	
4	108	15.0	85	9.3	63	8.5	35	5.3	
6	134	7.4	90	8.8	71	9.3	41	6.4	
8	88	5.3	76	8.4	62	8.5	41	6.2	
10	119	5.9	89	8.3	68	8.7	39	6.1	
12	128	5.6	81	7.4	60	7.6	35	5.2	
14	101	9.3	79	9.6	61	9.3	34	5.8	
16	102	13.4	78	11.0	55	9.1	31	5.8	
18	88	11.1	69	11.5	52	8.6	28	5.0	
20	108	5.8	71	8.6	53	7.2	30	4.4	
22	85	5.8	68	8.0	52	6.9	30	4.2	
TOTAL	1342	101.5	990	107.8	751	99.8	430	64.8	
MEAN	112	8.5	83	9.0	63	8.3	36	5.4	
MAX	145	10.6	104	8.3	79	8.1	43	5.3	
(TIME)	0 : 00		2 : 00		2 : 00		0 : 00		

		8/28/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	142	10.7	105	9.0	81	8.1	48	6.0	
2	135	9.7	105	8.9	80	8.3	46	5.4	
4	108	14.0	91	10.4	68	9.0	39	5.9	
6	124	7.2	96	9.6	74	9.4	42	6.4	
8	88	7.2	79	8.9	65	8.5	41	6.4	
10	119	6.2	93	8.0	72	8.5	41	6.3	
12	127	5.6	84	7.3	64	8.2	39	5.8	
14	112	8.9	90	8.0	68	9.9	41	7.0	
16	112	14.4	89	12.1	59	10.3	34	6.6	
18	88	13.2	76	11.7	58	9.2	31	5.4	
20	90	5.5	74	8.5	56	7.8	32	5.1	
22	89	7.6	70	7.5	52	7.0	30	4.2	
TOTAL	1334	110.2	1052	109.9	797	104.2	464	70.5	
MEAN	111	9.2	88	9.2	66	8.7	39	5.9	
MAX	142	10.7	105	9.0	81	8.1	48	6.0	
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00		

8/29/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	98	14.4	79	6.3	63	4.8	38	3.5
2	108	2.7	73	6.2	58	5.0	36	3.3
4	123	2.5	82	5.4	61	4.9	38	3.4
6	115	6.5	66	5.5	53	4.6	33	3.3
8	66	4.9	59	6.4	50	5.3	31	3.7
10	95	3.9	73	5.3	56	4.4	34	3.1
12	115	7.4	88	6.6	68	5.9	41	3.9
14	139	5.9	97	6.0	76	5.4	44	3.8
16	128	5.0	109	6.6	88	6.1	53	4.0
18	141	3.6	103	6.4	85	5.7	53	4.3
20	136	9.1	113	7.2	87	6.4	53	4.3
22	133	10.8	98	7.2	76	6.1	47	4.3
TOTAL	1397	76.7	1040	75.1	821	64.6	501	44.9
MEAN	116	6.4	87	6.3	68	5.4	42	3.7
MAX	141	3.6	113	7.2	88	6.1	53	4.0
(TIME)	18 : 00		20 : 00		16 : 00		16 : 00	

8/29/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	104	3.3	83	6.0	65	5.3	41	3.7
2	93	7.0	73	5.1	59	4.6	38	3.5
4	115	7.4	80	6.6	62	5.2	39	3.6
6	82	5.7	70	5.4	55	4.8	36	3.6
8	72	4.9	60	6.1	51	5.5	33	3.9
10	96	4.1	73	5.2	58	4.6	37	3.5
12	130	3.9	96	6.2	75	5.8	46	4.2
14	146	4.6	105	6.2	82	6.1	50	4.4
16	140	7.6	119	7.0	94	5.8	56	4.1
18	123	4.2	106	6.1	88	5.9	55	4.2
20	133	8.4	116	7.2	90	6.1	55	4.3
22	133	10.4	99	7.2	79	6.3	47	4.2
TOTAL	1367	71.5	1080	74.3	858	66.0	533	47.2
MEAN	114	6.0	90	6.2	72	5.5	44	3.9
MAX	146	4.6	119	7.0	94	5.8	56	4.1
(TIME)	14 : 00		16 : 00		16 : 00		16 : 00	

8/30/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	128	8.8	111	7.6	82	7.0	48	4.7
2	175	10.7	138	7.4	107	7.5	61	5.6
4	189	8.9	163	9.7	132	8.6	80	6.4
6	235	14.3	208	10.5	172	10.0	97	7.2
8	263	4.2	222	10.1	183	8.5	109	7.0
10	237	14.5	183	9.2	147	6.6	80	5.4
12	199	7.0	171	8.4	134	7.2	83	6.0
14	261	12.9	184	6.7	154	7.6	91	6.1
16	236	11.9	204	10.5	170	8.5	99	6.6
18	242	4.0	211	9.8	163	8.6	96	7.1
20	191	11.2	170	8.8	129	9.7	72	6.5
22	221	12.5	175	9.9	142	8.0	83	6.2
TOTAL	2577	120.9	2140	108.6	1715	97.8	999	74.8
MEAN	215	10.1	178	9.0	143	8.1	83	6.2
MAX	263	4.2	222	10.1	183	8.5	109	7.0
(TIME)	8 : 00		8 : 00		8 : 00		8 : 00	

8/30/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	154	9.1	112	8.5	86	7.3	50	4.8
2	188	6.8	142	7.0	109	7.1	65	5.6
4	215	12.7	168	9.2	135	8.8	86	7.1
6	248	11.3	222	10.8	180	9.8	107	7.7
8	244	11.2	222	10.1	187	8.8	116	7.2
10	236	9.8	201	9.9	163	8.4	97	6.5
12	219	10.8	175	11.9	142	8.2	86	6.3
14	278	12.7	201	7.9	159	7.7	97	6.2
16	220	12.5	205	10.1	177	10.0	111	7.3
18	237	12.1	204	10.6	165	9.1	100	7.2
20	208	11.3	184	8.9	141	9.5	81	6.7
22	214	11.5	183	9.3	155	8.4	92	6.6
TOTAL	2661	131.8	2219	114.2	1799	103.1	1088	79.2
MEAN	222	11.0	185	9.5	150	8.6	91	6.6
MAX	278	12.7	222	10.8	187	8.8	116	7.2
(TIME)	14 : 00		6 : 00		8 : 00		8 : 00	

8/31/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	197	4.7	169	8.6	134	7.9	78	5.9
2	230	13.1	187	8.3	148	6.3	87	6.0
4	221	5.5	188	7.7	146	7.6	83	6.2
6	273	11.6	215	8.4	166	8.1	88	6.6
8	254	13.3	199	10.5	162	9.4	90	7.3
10	236	11.0	194	10.9	153	8.9	84	6.8
12								
14	222	9.9	185	9.9	146	8.5	78	6.4
16	242	9.2	199	9.6	155	10.0	81	7.1
18	232	11.6	182	10.0	147	10.0	92	8.7
20	210	10.2	146	10.1	111	9.9	62	6.9
22	208	11.3	162	8.6	122	9.3	64	6.4
TOTAL	2525	111.4	2026	102.6	1590	95.9	887	74.3
MEAN	230	10.1	184	9.3	145	8.7	81	6.8
MAX	273	11.6	215	8.4	166	8.1	92	8.7
(TIME)	6 : 00		6 : 00		6 : 00		18 : 00	

8/31/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	199	4.9	174	8.8	145	8.5	82	6.1
2	257	13.8	187	9.5	153	7.4	94	6.5
4	255	11.5	198	10.6	157	8.5	90	6.6
6	261	11.8	225	9.1	172	8.5	90	6.4
8	278	12.5	218	11.5	178	10.7	101	8.0
10	225	9.4	198	10.9	165	9.6	96	7.4
12								
14	256	9.9	195	10.1	149	9.0	82	6.8
16	261	10.2	213	8.7	167	9.7	90	7.5
18	233	10.6	194	9.1	151	9.6	94	8.5
20	197	10.5	147	10.3	118	10.0	68	7.5
22	209	12.2	165	11.2	126	10.4	71	7.2
TOTAL	2631	117.3	2114	109.8	1681	101.9	958	78.5
MEAN	239	10.7	192	10.0	153	9.3	87	7.1
MAX	278	12.5	225	9.1	178	10.7	101	8.0
(TIME)	8 : 00		6 : 00		8 : 00		8 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ 1/1984 HMEAN (CM)	TMEAM (SEC)
0	202	7.5	171	8.3	131	8.3	71	6.1
2	212	11.0	154	8.6	120	8.1	68	6.0
4	188	12.2	165	9.0	122	8.6	66	5.9
6	167	12.2	138	9.3	110	9.0	64	6.5
8	188	10.6	169	9.7	123	9.5	67	6.1
10	168	5.7	136	8.4	101	8.2	55	5.3
12	161	5.8	135	7.5	98	7.8	53	4.9
14								
16								
18								
20								
22								
TOTAL	1286	65.0	1068	60.8	805	59.5	444	40.8
MEAN	184	9.3	153	8.7	115	8.5	63	5.8
MAX	212	11.0	171	8.3	131	8.3	71	6.1
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ 2/1984 HMEAN (CM)	TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ 3/1984 HMEAN (CM)	TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14	138	6.6	99	4.5	79	4.3	49	3.4
16	118	4.5	99	4.9	81	4.4	48	3.2
18	168	4.5	124	5.1	94	4.8	58	3.6
20	444	2.3	146	6.3	104	5.4	62	4.0
22	159	10.7	111	6.3	86	5.3	53	3.9
TOTAL	1027	28.6	579	27.1	444	24.2	270	18.1
MEAN	205	5.7	116	5.4	89	4.8	54	3.6
MAX	444	2.3	146	6.3	104	5.4	62	4.0
(TIME)	20 : 00		20 : 00		20 : 00		20 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ 1/1984 HMEAN (CM)	TMEAM (SEC)
0	187	7.5	166	8.7	140	8.2	81	6.8
2	163	12.4	146	9.0	124	7.9	74	6.4
4	202	11.8	170	10.7	131	9.0	76	6.8
6	194	13.2	150	9.4	118	8.8	70	7.1
8	211	5.4	185	8.6	135	9.4	78	7.1
10	190	10.6	145	9.8	107	8.6	61	5.9
12	188	6.5	141	8.2	106	8.0	58	5.4
14								
16								
18								
20								
22								
TOTAL	1335	67.4	1103	64.4	861	59.9	498	45.5
MEAN	191	9.6	158	9.2	123	8.6	71	6.5
MAX	211	5.4	185	8.6	140	8.2	81	6.8
(TIME)	8 : 00		8 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ 2/1984 HMEAN (CM)	TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ 3/1984 HMEAN (CM)	TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14	157	3.6	105	5.0	85	4.6	55	3.6
16	133	8.5	111	4.9	87	4.7	53	3.5
18	154	4.7	126	5.3	98	4.9	57	3.5
20	171	6.8	140	5.9	108	5.9	70	4.4
22	189	5.4	115	5.9	87	5.3	53	3.8
TOTAL	804	29.0	597	27.0	465	25.4	288	18.8
MEAN	161	5.8	119	5.4	93	5.1	58	3.8
MAX	189	5.4	140	5.9	108	5.9	70	4.4
(TIME)	22 : 00		20 : 00		20 : 00		20 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	122	6.3	97	5.7	79	5.6	51	3.9
2								
4	135	6.5	106	6.6	81	6.1	49	4.3
6	146	5.8	115	7.6	85	7.1	47	4.6
8	143	6.5	121	7.9	95	7.5	53	5.0
10	146	3.8	113	8.2	89	7.4	53	5.2
12								
14								
16								
18	200	6.2	158	5.8	129	5.5	82	4.5
20	197	9.3	169	6.4	142	6.0	88	4.6
22	203	4.6	169	6.2	135	6.4	83	4.7
TOTAL	1292	49.0	1048	54.4	835	51.6	506	36.8
MEAN	162	6.1	131	6.8	104	6.4	63	4.6
MAX	203	4.6	169	6.4	142	6.0	88	4.6
(TIME)	22 : 00		20 : 00		20 : 00		20 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	131	9.1	105	6.6	85	5.7	54	4.0
2								
4	151	7.3	110	7.4	86	6.8	51	4.5
6	132	9.2	118	8.5	92	7.4	54	5.4
8	140	8.1	126	8.5	104	8.3	61	5.7
10	144	4.1	114	7.6	94	7.3	57	5.4
12								
14								
16								
18	213	5.7	165	5.8	130	5.5	83	4.4
20	206	9.5	180	6.2	151	6.2	94	5.0
22	227	4.2	172	6.0	140	6.3	87	4.8
TOTAL	1344	57.2	1090	56.6	882	53.5	541	39.2
MEAN	168	7.1	136	7.1	110	6.7	68	4.9
MAX	227	4.2	180	6.2	151	6.2	94	5.0
(TIME)	22 : 00		20 : 00		20 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	208	0.8	156	6.1	118	6.3	72	4.6
2	161	6.8	133	6.7	106	6.4	63	4.4
4	148	9.1	124	8.0	100	7.3	58	4.8
6	158	8.4	137	6.8	110	6.2	67	4.5
8	179	3.3	132	6.5	107	6.5	63	4.4
10	204	8.9	148	6.9	113	6.7	67	4.7
12	150	5.6	120	6.3	90	6.1	57	4.3
14	152	5.0	130	6.7	100	6.3	60	4.3
16	144	5.6	115	6.4	92	5.9	57	4.3
18	166	6.1	118	7.1	90	6.4	50	4.0
20	213	7.7	126	6.6	98	6.3	59	4.3
22	188	6.8	131	7.2	106	7.1	59	4.6
TOTAL	2071	74.1	1570	81.3	1230	77.5	732	53.2
MEAN	173	6.2	131	6.8	103	6.5	61	4.4
MAX	213	7.7	156	6.1	118	6.3	72	4.6
(TIME)	20 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	215	7.8	158	6.9	126	6.3	80	4.9
2	185	6.0	146	6.9	117	5.9	69	4.4
4	164	7.1	138	6.9	108	7.0	61	4.7
6	182	6.3	145	7.6	119	6.3	72	4.7
8	186	7.9	145	6.2	116	6.4	72	4.8
10	211	9.7	155	7.2	122	6.6	74	4.7
12	187	6.1	130	6.0	98	6.2	61	4.5
14	146	7.7	129	6.4	104	6.5	65	4.6
16	162	6.5	123	6.1	96	5.9	58	4.1
18	170	5.8	130	7.1	97	6.5	60	4.6
20	172	7.7	135	6.6	108	6.4	66	4.6
22	153	8.0	131	7.6	109	7.3	67	5.2
TOTAL	2133	86.6	1665	81.5	1320	77.3	805	55.8
MEAN	178	7.2	139	6.8	110	6.4	67	4.6
MAX	215	7.8	158	6.9	126	6.3	80	4.9
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	167	8.6	142	7.4	111	7.4	66	5.1
2	170	6.3	130	7.8	105	7.4	65	5.7
4	134	8.6	115	7.7	92	7.5	52	5.0
6	144	7.8	106	8.5	82	8.2	50	5.7
8	131	9.9	106	7.3	83	7.2	50	5.4
10	164	5.4	109	7.3	84	7.0	46	4.9
12	145	8.5	119	8.7	93	7.9	55	5.6
14	163	9.9	96	7.9	72	6.7	41	4.1
16	117	7.2	84	7.2	64	6.3	37	4.1
18	121	7.4	87	6.5	68	5.7	42	3.7
20	124	8.6	88	8.3	71	6.8	42	4.2
22	121	5.5	80	6.7	63	6.0	39	4.0
TOTAL	1701	93.7	1262	91.3	988	84.1	585	57.5
MEAN	142	7.8	105	7.6	82	7.0	49	4.8
MAX	170	6.3	142	7.4	111	7.4	66	5.1
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	167	9.3	150	7.6	121	7.2	74	5.4
2	162	6.1	130	7.8	109	7.4	73	6.2
4	140	8.1	125	7.6	101	7.5	61	5.6
6	148	7.2	110	7.7	85	7.6	51	5.4
8	137	9.7	114	7.2	89	7.1	54	5.5
10	167	5.6	121	7.5	94	7.2	56	5.6
12	152	8.9	128	8.4	100	7.8	59	5.5
14	220	10.1	107	7.5	75	6.5	43	4.1
16	113	6.8	91	6.5	68	6.2	40	4.1
18	129	7.4	93	6.0	70	5.6	43	3.8
20	133	9.1	95	7.7	75	6.7	44	4.3
22	124	5.5	87	6.5	68	6.1	41	4.2
TOTAL	1792	93.8	1351	88.0	1055	82.9	639	59.7
MEAN	149	7.8	113	7.3	88	6.9	53	5.0
MAX	220	10.1	150	7.6	121	7.2	74	5.4
(TIME)	14 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	101	5.0	80	7.2	59	6.2	35	4.3
2	81	8.4	65	7.0	52	6.3	31	4.3
4	75	5.6	64	7.4	50	7.2	31	5.0
6	53	7.2	47	8.6	39	7.4	23	4.7
8	64	8.6	48	7.7	37	7.1	23	4.9
10	69	9.8	50	8.5	39	7.4	23	4.7
12	65	8.8	47	7.9	35	6.9	21	4.2
14	82	9.2	57	8.5	40	6.6	23	3.9
16	68	9.0	58	7.9	42	6.4	23	3.8
18	71	6.6	51	8.0	38	7.0	21	4.0
20	73	8.2	61	7.9	47	7.9	28	5.1
22	75	3.3	56	8.1	42	7.2	24	4.2
TOTAL	877	89.7	684	94.7	520	83.6	306	53.1
MEAN	73	7.5	57	7.9	43	7.0	26	4.4
MAX	101	5.0	80	7.2	59	6.2	35	4.3
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	111	8.6	79	7.0	63	6.6	39	4.7
2	89	8.0	70	6.8	56	6.5	34	4.8
4	84	5.6	65	7.3	52	7.1	32	5.3
6	60	7.7	49	8.3	39	7.7	23	5.0
8	55	10.2	43	8.5	34	7.4	22	5.2
10	58	6.9	46	7.7	37	7.1	21	4.6
12	72	9.1	49	7.9	37	7.0	21	4.4
14	71	11.6	53	7.6	40	6.9	22	4.0
16	65	8.6	57	8.2	44	7.4	26	4.7
18	67	9.6	55	9.6	42	7.7	24	4.6
20	76	7.5	59	8.4	47	7.8	29	5.3
22	83	16.5	59	9.7	47	10.0	29	6.5
TOTAL	891	109.9	684	97.0	538	89.2	322	59.1
MEAN	74	9.2	57	8.1	45	7.4	27	4.9
MAX	111	8.6	79	7.0	63	6.6	39	4.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	8/1984 TMEAN (SEC)
0								
2	76	6.6	60	8.4	49	7.4	29	4.9
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL	76	6.6	60	8.4	49	7.4	29	4.9
MEAN	76	6.6	60	8.4	49	7.4	29	4.9
MAX	76	6.6	60	8.4	49	7.4	29	4.9
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	8/1984 TMEAN (SEC)
0								
2	80	6.4	61	7.6	50	7.6	31	5.3
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL	80	6.4	61	7.6	50	7.6	31	5.3
MEAN	80	6.4	61	7.6	50	7.6	31	5.3
MAX	80	6.4	61	7.6	50	7.6	31	5.3
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	9/1984 TMEAN (SEC)
0	122	7.5	96	8.2	78	6.9	46	4.9
2								
4	165	7.5	122	7.5	100	7.3	61	5.6
6	153	4.6	134	7.2	110	6.9	67	5.4
8	186	5.1	124	6.7	96	6.5	57	4.7
10	173	8.6	138	7.1	107	6.7	58	4.9
12	150	11.1	132	7.1	101	6.9	59	5.1
14	204	11.1	146	9.0	106	8.0	59	5.2
16	137	12.2	103	8.2	78	7.2	46	4.8
18	209	12.0	139	7.6	99	7.9	61	6.1
20	139	5.7	115	7.6	91	7.5	53	5.5
22	171	9.3	123	7.6	92	7.1	56	5.4
TOTAL	1809	94.7	1372	83.8	1058	78.9	623	57.6
MEAN	165	8.6	125	7.6	96	7.2	57	5.2
MAX	209	12.0	146	9.0	110	6.9	67	5.4
(TIME)	18 : 00		14 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/ HMEAN (CM)	9/1984 TMEAN (SEC)
0	113	5.1	99	7.6	79	7.0	48	5.0
2								
4	162	8.4	125	7.3	100	7.2	61	5.7
6	157	5.0	133	6.8	111	6.9	69	5.4
8	192	4.6	124	6.7	99	6.7	60	4.8
10	149	4.7	136	7.1	111	6.8	63	5.2
12	161	12.7	129	6.3	101	6.5	61	5.4
14	184	8.0	136	8.4	102	7.2	55	4.8
16	165	12.0	114	9.2	84	7.6	51	5.2
18	170	12.6	133	9.6	100	8.2	64	6.8
20	127	5.4	109	7.1	88	7.2	53	5.8
22	168	9.7	124	8.4	95	7.5	60	5.7
TOTAL	1748	88.2	1362	84.5	1070	78.8	645	59.8
MEAN	159	8.0	124	7.7	97	7.2	59	5.4
MAX	192	4.6	136	7.1	111	6.9	69	5.4
(TIME)	8 : 00		10 : 00		6 : 00		6 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/10/1984 HMEAN TMEAN (CM) (SEC)	
0								
2	154	10.5	117	6.6	94	7.1	59	5.5
4	167	5.2	127	6.7	99	7.6	62	6.0
6	146	6.0	125	7.2	95	7.4	54	5.4
8	179	6.3	143	8.2	104	7.5	56	5.0
10	177	7.5	139	6.5	111	6.8	65	5.3
12	292	4.8	166	7.4	113	7.4	57	4.8
14	213	8.4	164	7.5	128	7.6	80	6.1
16	181	10.8	151	8.6	112	7.8	66	5.9
18	170	9.7	138	8.2	113	7.6	70	6.0
20	144	6.4	114	6.7	90	6.9	55	5.3
22	140	4.5	119	7.1	94	7.1	56	5.2
TOTAL	1963	80.1	1503	80.7	1153	80.8	680	60.5
MEAN	179	7.3	137	7.3	105	7.3	62	5.5
MAX	292	4.8	166	7.4	128	7.6	80	6.1
(TIME)	12 : 00		12 : 00		14 : 00		14 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/10/1984 HMEAN TMEAN (CM) (SEC)	
0								
2	148	11.2	119	6.8	97	7.4	63	6.3
4	167	5.5	120	7.4	95	7.2	59	5.7
6	154	8.1	129	8.4	101	7.7	60	6.0
8	202	9.2	141	8.5	107	7.8	60	5.6
10	187	8.5	140	6.6	111	6.7	67	5.3
12	194	10.1	159	8.1	121	7.9	68	6.0
14	219	8.0	165	7.9	131	7.3	81	6.0
16	174	10.6	150	8.3	111	7.8	62	5.5
18	170	9.2	138	7.8	115	8.0	73	6.3
20	163	5.6	120	7.1	95	7.0	55	5.1
22	147	4.3	122	6.7	98	7.1	61	5.7
TOTAL	1925	90.3	1503	83.6	1182	81.9	709	63.5
MEAN	175	8.2	137	7.6	108	7.4	65	5.8
MAX	219	8.0	165	7.9	131	7.3	81	6.0
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/11/1984 HMEAN TMEAN (CM) (SEC)	
0	148	4.5	124	6.8	98	6.8	56	5.1
2	152	9.9	120	7.9	89	7.3	51	4.7
4	122	8.8	98	7.8	78	7.1	49	4.7
6	129	9.2	91	7.3	70	6.3	41	4.0
8	102	5.7	87	7.3	69	6.2	42	4.0
10	109	6.5	84	6.5	65	6.4	37	4.4
12								
14	123	9.8	83	7.5	61	7.1	34	4.3
16	95	8.6	85	7.7	63	6.9	35	4.4
18								
20								
22	90	4.6	73	7.5	57	6.9	31	3.9
TOTAL	1070	67.6	845	66.3	650	61.0	376	39.5
MEAN	119	7.5	94	7.4	72	6.8	42	4.4
MAX	152	9.9	124	6.8	98	6.8	56	5.1
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/11/1984 HMEAN TMEAN (CM) (SEC)	
0	146	9.0	122	6.6	100	7.0	58	5.2
2	165	10.0	122	7.8	92	7.2	54	5.0
4	108	9.0	95	8.0	78	6.7	48	4.5
6	141	9.1	98	7.5	75	6.7	45	4.6
8	118	9.6	93	7.5	75	6.5	47	4.5
10	107	4.7	86	6.5	66	6.4	38	4.4
12								
14	117	9.7	90	7.9	67	7.9	38	4.9
16	100	8.6	90	7.9	67	7.4	38	4.8
18								
20								
22	97	11.0	81	8.3	66	7.9	39	5.2
TOTAL	1099	80.7	877	68.0	686	63.7	405	43.1
MEAN	122	9.0	97	7.6	76	7.1	45	4.8
MAX	165	10.0	122	6.6	100	7.0	58	5.2
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/12/1984 HMEAN TMEAN (CM) (SEC)	
0	137	9.0	80	7.4	57	6.8	30	3.9
2	99	12.1	75	8.5	55	7.5	32	4.7
4	113	9.2	70	7.7	56	7.4	31	4.5
6	77	7.2	64	8.1	50	7.4	28	4.4
8	77	8.0	64	8.4	52	7.8	30	4.9
10	90	10.7	72	7.9	56	7.7	32	5.0
12	67	10.9	58	9.0	47	7.8	28	5.1
14	70	9.6	55	8.1	41	7.1	23	4.2
16	81	8.8	62	8.3	48	8.0	28	5.0
18	66	6.5	53	8.3	39	7.0	21	3.9
20	67	9.9	50	8.5	34	6.4	19	3.6
22	65	8.4	51	8.4	36	7.2	21	4.1
TOTAL	1009	110.3	754	98.6	571	88.1	323	53.3
MEAN	84	9.2	63	8.2	48	7.3	27	4.4
MAX	137	9.0	80	7.4	57	6.8	32	4.7
(TIME)	0 : 00		0 : 00		0 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/12/1984 HMEAN TMEAN (CM) (SEC)	
0	144	5.3	85	7.6	63	7.7	36	5.2
2	90	11.3	74	8.0	59	8.0	34	5.4
4	103	9.4	70	8.1	57	7.6	33	5.0
6	77	8.5	68	9.4	55	8.2	32	5.4
8	87	9.9	69	8.5	56	8.8	33	6.1
10	86	10.8	70	9.2	54	8.3	30	5.2
12	72	10.8	60	8.5	48	8.0	30	5.9
14	82	9.2	61	8.7	45	7.4	26	5.0
16	82	8.2	61	8.1	49	7.9	29	4.9
18	64	6.8	54	8.6	41	7.1	22	4.2
20	64	9.9	52	8.6	36	7.0	20	3.9
22	66	8.5	51	9.0	39	8.3	22	5.2
TOTAL	1017	108.6	775	102.3	602	94.3	347	61.4
MEAN	85	9.0	65	8.5	50	7.9	29	5.1
MAX	144	5.3	85	7.6	63	7.7	36	5.2
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

		9/13/1984							
NO.1	TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
		(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0		48	5.5	44	8.2	36	7.4	21	4.2
2		60	11.8	48	8.2	38	7.3	23	4.8
4		69	8.9	51	8.9	39	7.8	22	4.8
6		61	10.1	50	8.0	39	6.8	23	4.2
8		62	6.0	51	5.6	40	4.3	26	2.9
10		86	10.8	61	6.2	47	4.7	28	3.1
12		80	8.2	61	6.7	48	4.8	29	3.3
14		73	5.9	55	5.9	44	4.9	28	3.3
16		72	5.1	61	6.9	49	5.5	30	3.5
18		65	7.6	53	6.4	41	5.6	25	3.7
20		73	6.5	55	6.4	44	5.8	25	3.6
22		73	5.2	56	6.1	41	4.9	24	3.0
TOTAL		822	91.6	646	83.5	506	69.8	304	44.4
MEAN		69	7.6	54	7.0	42	5.8	25	3.7
MAX		86	10.8	61	6.2	49	5.5	30	3.5
(TIME)		10	: 00	10	: 00	16	: 00	16	: 00

		9/13/1984							
NO.2	TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
		(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0		50	8.0	45	7.8	37	8.0	21	5.0
2		54	8.0	50	8.3	40	7.5	23	5.2
4		59	8.8	50	8.5	38	7.6	23	5.0
6		59	8.0	53	8.1	39	7.0	23	4.4
8		75	4.9	54	5.5	42	4.3	26	3.0
10		101	9.9	63	6.2	47	5.0	29	3.4
12		87	4.8	62	6.1	49	4.9	29	3.2
14		73	5.7	58	5.5	46	5.1	29	3.5
16		81	5.6	61	6.5	49	5.4	29	3.6
18		63	8.0	54	6.7	43	5.7	25	3.7
20		70	6.8	58	7.1	45	6.4	26	4.0
22		68	3.9	60	6.0	45	5.6	26	3.5
TOTAL		840	82.4	668	82.3	520	72.5	309	47.5
MEAN		70	6.9	56	6.9	43	6.0	26	4.0
MAX		101	9.9	63	6.2	49	4.9	29	3.4
(TIME)		10	: 00	10	: 00	12	: 00	10	: 00

		9/14/1984							
TIME		HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
		(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0		66	7.8	55	6.2	43	5.4	26	3.5
2		69	5.1	60	6.2	47	5.2	28	3.4
4		89	7.4	71	5.8	53	5.4	32	3.7
6		98	5.1	67	6.5	52	5.5	32	3.8
8		83	6.6	62	6.6	49	5.7	30	3.8
10		92	9.1	63	6.8	50	6.2	31	4.3
12		74	7.0	56	5.9	44	5.5	25	3.3
14		81	9.4	61	6.1	50	6.4	33	4.9
16									
18		85	6.5	69	6.4	56	5.0	33	3.3
20		113	4.8	79	4.8	66	4.7	42	3.5
22		123	3.2	97	4.9	75	4.9	46	3.6
TOTAL		973	72.0	740	66.2	585	59.9	358	41.1
MEAN		89	6.5	67	6.0	53	5.4	33	3.7
MAX		123	3.2	97	4.9	75	4.9	46	3.6
(TIME)		22	: 00	22	: 00	22	: 00	22	: 00

		9/14/1984							
TIME		HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
		(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0		64	5.5	54	6.1	43	5.5	26	3.5
2		82	9.3	61	6.5	48	5.9	30	4.0
4		90	4.4	67	6.3	52	5.5	31	3.9
6		86	5.4	64	6.2	50	5.3	30	3.6
8		77	6.9	62	6.4	50	5.8	31	4.2
10		92	9.9	67	7.6	52	6.7	32	4.5
12		74	8.4	62	7.2	50	6.5	30	4.6
14		82	6.0	65	5.9	52	6.2	33	5.0
16									
18		101	8.6	73	6.4	56	5.4	33	3.4
20		123	5.3	91	5.0	71	4.6	46	3.6
22		110	6.3	95	4.8	78	4.8	49	3.7
TOTAL		981	76.0	761	68.4	602	62.2	371	44.0
MEAN		89	6.9	69	6.2	55	5.7	34	4.0
MAX		123	5.3	95	4.8	78	4.8	49	3.7
(TIME)		20	: 00	22	: 00	22	: 00	22	: 00

		9/15/1984							
TIME		HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
		(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0		107	8.5	82	5.5	62	4.8	39	3.4
2		99	3.2	76	6.1	62	5.5	39	3.8
4		110	11.9	87	7.1	64	5.8	36	3.7
6		120	5.9	73	7.3	56	6.1	34	3.9
8		107	11.0	81	8.0	62	6.8	36	4.5
10		93	11.3	72	7.4	56	7.1	32	4.6
12		122	11.1	90	7.1	62	6.6	33	4.3
14		105	11.9	73	9.1	53	8.0	29	4.6
16		95	10.1	77	9.5	56	7.6	30	4.3
18		111	9.9	86	9.7	64	8.7	37	5.6
20									
22		116	9.9	85	8.4	62	7.5	35	4.7
TOTAL		1185	104.7	882	85.2	659	74.5	380	47.4
MEAN		108	9.5	80	7.7	60	6.8	35	4.3
MAX		122	11.1	90	7.1	64	5.8	39	3.4
(TIME)		12	: 00	12	: 00	4	: 00	0	: 00

		9/15/1984							
TIME		HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
		(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0		104	3.9	85	5.5	64	4.7	39	3.4
2		98	8.6	77	5.8	63	5.4	38	3.7
4		106	9.7	87	7.2	66	6.5	39	4.2
6		112	5.7	77	8.0	59	6.5	37	4.3
8		114	11.0	88	9.9	68	8.1	40	5.0
10		99	11.5	81	8.6	63	8.0	35	5.3
12		119	5.7	97	9.2	69	8.8	37	5.6
14		107	11.9	78	9.3	57	8.7	32	5.3
16		99	10.6	77	9.4	57	7.7	31	4.6
18		120	9.8	92	9.9	69	8.7	41	6.1
20									
22		112	10.8	89	8.6	67	8.5	38	5.4
TOTAL		1190	99.2	928	91.4	702	81.6	407	52.9
MEAN		108	9.0	84	8.3	64	7.4	37	4.8
MAX		120	9.8	97	9.2	69	8.8	41	6.1
(TIME)		18	: 00	12	: 00	12	: 00	18	: 00

NO.1 TIME	9/16/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	104	5.7	78	8.1	61	8.1	34	5.4
2	104	5.5	75	7.2	57	7.9	33	5.3
4	105	5.1	73	6.7	54	6.1	32	4.1
6	125	4.1	75	6.9	55	6.2	33	4.1
8	99	5.9	79	7.6	58	5.8	33	3.6
10	98	11.7	74	6.3	57	5.3	33	3.5
12	109	9.3	86	6.4	66	5.0	41	3.6
14	129	9.0	91	6.8	71	5.5	45	3.8
16	242	10.2	107	5.8	80	5.4	48	3.9
18	116	8.7	98	6.0	74	5.5	46	3.9
20	117	10.9	92	7.8	71	5.9	43	3.7
22	136	5.4	90	7.0	70	5.6	44	3.8
TOTAL	1484	91.5	1018	82.6	774	72.3	465	48.7
MEAN	124	7.6	85	6.9	65	6.0	39	4.1
MAX	242	10.2	107	5.8	80	5.4	48	3.9
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

NO.2 TIME	9/16/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	112	6.1	79	7.1	63	8.4	36	5.9
2	91	5.4	73	7.7	56	8.4	32	5.5
4	106	5.0	74	8.4	57	7.0	35	5.0
6	113	8.4	74	8.0	56	6.6	34	4.4
8	106	6.1	81	8.1	61	6.5	35	4.1
10	106	11.5	74	6.7	57	5.0	35	3.5
12	105	6.3	88	7.2	70	5.5	46	3.9
14	122	9.8	92	6.4	72	5.5	44	3.8
16	156	4.4	110	6.6	81	5.7	50	4.0
18	119	9.3	99	7.2	77	6.0	47	4.0
20	97	2.4	89	7.0	76	5.9	46	4.1
22	114	11.3	90	6.7	71	5.5	46	3.9
TOTAL	1347	86.0	1023	87.1	797	76.0	486	52.1
MEAN	112	7.2	85	7.3	66	6.3	41	4.3
MAX	156	4.4	110	6.6	81	5.7	50	4.0
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	9/17/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	186	6.4	97	6.0	74	5.4	46	3.9
2	128	4.3	87	5.0	69	5.1	45	3.8
4	119	10.7	96	6.4	75	6.1	44	4.0
6	127	7.6	98	8.3	77	7.6	45	4.9
8	98	6.7	80	7.6	63	6.4	38	4.4
10								
12	138	4.7	113	5.6	95	6.0	59	4.2
14	159	6.3	120	6.0	99	5.4	64	4.2
16								
18	173	5.1	120	5.5	93	5.7	60	4.3
20	118	3.9	103	6.4	84	6.4	52	4.5
22	187	9.4	123	6.0	91	6.1	53	4.3
TOTAL	1433	65.1	1037	62.8	820	60.2	506	42.5
MEAN	143	6.5	104	6.3	82	6.0	51	4.2
MAX	187	9.4	123	6.0	99	5.4	64	4.2
(TIME)	22 : 00		22 : 00		14 : 00		14 : 00	

TIME	9/17/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	176	5.4	99	6.4	77	5.5	49	4.2
2	141	4.3	88	5.6	71	5.3	45	3.8
4	120	8.1	101	6.0	80	6.3	46	4.2
6	119	10.2	95	8.1	75	7.0	46	4.8
8	108	8.0	84	6.8	66	6.4	41	4.6
10								
12	158	4.9	120	6.4	100	6.0	63	4.4
14	182	7.3	138	5.8	109	5.3	67	4.1
16								
18	160	8.6	121	6.1	96	5.4	60	4.1
20	134	4.1	109	6.4	89	6.4	57	4.5
22	168	7.9	126	6.7	97	6.1	61	4.7
TOTAL	1466	68.8	1081	64.3	860	59.7	535	43.4
MEAN	147	6.9	108	6.4	86	6.0	54	4.3
MAX	182	7.3	138	5.8	109	5.3	67	4.1
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	9/18/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	159	5.4	118	6.9	94	6.3	57	4.6
2	144	0.6	115	6.5	94	6.5	59	4.9
4	174	8.8	130	6.7	98	6.5	60	4.9
6	171	5.9	142	6.9	114	6.9	69	4.9
8	146	10.4	119	7.0	96	6.8	56	4.8
10	211	10.2	155	7.0	112	7.1	64	4.8
12	173	8.4	135	7.3	106	7.0	62	4.9
14	157	5.1	114	7.3	85	7.2	49	4.8
16	288	2.4	152	8.6	107	7.6	60	5.3
18	163	12.3	124	9.5	100	8.9	59	5.9
20	192	4.6	135	9.8	98	8.8	56	5.9
22	208	4.9	153	11.8	107	8.9	58	5.7
TOTAL	2186	79.0	1592	95.3	1211	88.5	709	61.4
MEAN	182	6.6	133	7.9	101	7.4	59	5.1
MAX	288	2.4	155	7.0	114	6.9	69	4.9
(TIME)	16 : 00		10 : 00		6 : 00		6 : 00	

TIME	9/18/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	167	9.5	125	6.8	96	6.3	60	4.7
2	133	4.9	116	6.2	99	6.7	62	5.1
4	161	9.2	130	7.2	100	6.3	60	4.8
6	173	6.9	142	7.2	118	7.3	75	5.5
8	134	9.6	117	7.8	99	6.9	59	4.9
10	208	10.0	150	8.0	112	7.2	65	5.0
12	177	8.1	144	7.5	110	7.3	69	5.5
14	195	4.4	119	7.0	85	7.0	47	4.6
16	178	7.4	142	8.6	105	7.7	63	5.6
18	187	12.0	131	10.5	103	8.4	62	6.0
20	156	8.3	140	9.6	104	9.5	63	6.8
22	203	4.7	159	10.9	114	8.7	61	5.8
TOTAL	2072	95.0	1615	97.3	1245	89.3	746	64.3
MEAN	173	7.9	135	8.1	104	7.4	62	5.4
MAX	208	10.0	159	10.9	118	7.3	75	5.5
(TIME)	10 : 00		22 : 00		6 : 00		6 : 00	

NO.1 TIME	9/19/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	208	4.2	144	7.8	106	7.6	57	5.3
2								
4	227	5.2	194	9.8	158	8.2	90	6.5
6	234	12.7	184	9.2	157	9.2	83	6.4
8	257	3.7	194	9.5	154	8.3	86	6.3
10	216	13.4	177	9.6	131	9.0	65	6.2
12	250	13.7	197	10.3	149	8.4	82	6.6
14	219	6.6	179	8.4	136	6.9	73	5.8
16	231	5.2	174	6.5	123	7.4	65	5.3
18	177	11.3	141	8.9	104	7.3	60	5.0
20	267	5.9	199	8.4	146	7.9	83	5.6
22	236	13.0	173	8.5	121	7.6	66	5.2
TOTAL	2522	94.9	1956	96.9	1485	87.8	810	64.2
MEAN	229	8.6	178	8.8	135	8.0	74	5.8
MAX	267	5.9	199	8.4	158	8.2	90	6.5
(TIME)	20 : 00		20 : 00		4 : 00		4 : 00	

NO.2 TIME	9/19/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	242	4.3	162	8.1	120	7.5	69	6.5
2								
4	230	14.5	178	7.1	148	7.3	88	6.3
6	212	4.2	187	10.0	158	9.4	90	6.9
8	214	15.1	198	8.7	167	9.1	94	6.9
10	204	13.3	178	6.5	134	8.0	72	6.7
12	268	13.4	193	9.3	147	8.5	84	6.6
14	252	5.5	184	8.5	145	7.6	82	6.4
16	229	4.9	189	9.0	128	7.8	72	6.0
18	182	12.2	151	9.5	114	8.0	65	5.4
20	257	3.9	208	8.8	155	8.0	92	6.2
22	238	12.6	176	8.5	124	7.6	71	5.3
TOTAL	2528	103.9	2004	94.0	1540	88.8	879	69.2
MEAN	230	9.4	182	8.5	140	8.1	80	6.3
MAX	268	13.4	208	8.8	167	9.1	94	6.9
(TIME)	12 : 00		20 : 00		8 : 00		8 : 00	

TIME	9/20/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	208	14.9	182	9.6	130	7.5	74	5.8
2	295	0.4	179	5.7	136	6.1	73	5.1
4	171	11.7	139	6.2	104	6.0	63	4.8
6	181	8.8	155	7.7	119	6.5	68	5.0
8	176	4.7	140	6.9	106	6.1	62	4.5
10	192	8.8	154	9.0	115	7.8	63	5.2
12	178	10.7	140	8.5	105	7.2	59	4.8
14	219	10.9	150	7.0	110	6.3	67	4.9
16	152	12.4	109	8.1	89	6.8	53	4.8
18								
20								
22	138	5.0	107	7.3	86	6.7	48	4.9
TOTAL	1910	88.3	1455	76.0	1100	67.0	630	49.8
MEAN	191	8.8	146	7.6	110	6.7	63	5.0
MAX	295	0.4	182	9.6	136	6.1	74	5.8
(TIME)	2 : 00		0 : 00		2 : 00		0 : 00	

TIME	9/20/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	215	12.5	186	8.3	134	8.1	79	6.0
2	187	5.1	170	10.1	132	7.2	75	5.6
4	234	5.4	140	6.0	109	5.5	65	4.6
6	201	11.2	150	5.3	116	5.9	65	4.7
8	182	6.3	149	6.6	114	6.3	70	5.1
10	259	7.5	170	7.6	117	7.2	65	5.1
12	198	5.6	149	8.2	111	7.6	63	5.0
14	214	11.2	168	8.4	124	7.4	77	5.6
16	163	12.1	115	8.0	92	7.0	57	5.1
18								
20								
22	149	8.5	112	7.3	88	7.3	51	5.1
TOTAL	2002	85.4	1509	75.8	1137	69.5	667	51.9
MEAN	200	8.5	151	7.6	114	6.9	67	5.2
MAX	259	7.5	186	8.3	134	8.1	79	6.0
(TIME)	10 : 00		0 : 00		0 : 00		0 : 00	

TIME	9/21/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	115	8.5	96	7.2	77	7.8	44	5.1
2	128	9.6	94	8.3	71	7.8	44	5.5
4	125	9.9	98	7.8	75	8.1	46	6.0
6	108	9.6	92	7.8	74	7.2	45	5.5
8	109	7.7	90	7.3	71	7.1	41	5.2
10	93	4.9	72	6.7	55	6.5	32	4.3
12	128	10.5	92	7.6	69	6.9	40	4.6
14	122	9.7	81	7.7	61	6.7	36	4.1
16	111	8.6	80	7.9	60	7.2	35	4.8
18	100	6.0	75	7.5	55	6.6	30	4.2
20	115	6.4	79	7.1	61	7.1	36	4.8
22	125	6.0	81	7.8	61	7.0	33	4.4
TOTAL	1379	97.4	1030	90.7	790	86.0	462	58.5
MEAN	115	8.1	86	7.6	66	7.2	39	4.9
MAX	128	9.6	98	7.8	77	7.8	46	6.0
(TIME)	2 : 00		4 : 00		0 : 00		4 : 00	

TIME	9/21/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	115	8.4	98	8.1	82	7.7	52	6.3
2	122	9.5	94	7.5	76	7.9	48	6.0
4	123	9.7	103	7.2	77	8.0	47	6.1
6	118	9.4	96	7.4	76	7.5	48	5.6
8	102	8.5	88	7.4	68	6.6	40	5.1
10	117	4.9	75	7.3	59	7.0	34	4.4
12	108	4.6	94	8.0	73	7.6	42	4.8
14	116	10.0	80	7.9	63	6.5	37	4.0
16	109	8.4	83	8.3	64	7.4	37	5.1
18	91	6.2	76	7.3	58	7.1	33	4.9
20	116	6.6	80	7.5	65	7.5	37	4.8
22	131	6.6	84	7.9	64	7.1	36	4.9
TOTAL	1368	92.8	1051	91.8	825	87.9	491	62.0
MEAN	114	7.7	88	7.6	69	7.3	41	5.2
MAX	131	6.6	103	7.2	82	7.7	52	6.3
(TIME)	22 : 00		4 : 00		0 : 00		0 : 00	

NO.1 TIME	9/22/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	76	7.4	65	8.9	53	7.5	30	4.8
2	92	8.8	72	8.0	57	7.6	31	4.6
4	87	9.5	69	8.5	53	6.8	29	4.3
6	122	1.7	82	5.5	60	5.4	35	3.6
8	107	3.5	89	4.9	70	4.7	44	3.5
10	120	4.5	97	4.5	76	4.5	47	3.6
12	149	3.9	106	5.3	85	5.1	52	3.8
14	144	5.0	118	4.9	90	4.8	55	3.8
16	213	0.5	143	4.6	113	5.0	72	4.2
18	178	2.8	116	4.5	93	4.9	57	3.6
20	224	3.7	105	5.3	79	5.2	48	3.8
22	115	5.4	91	6.2	70	5.5	43	3.9
TOTAL	1627	56.7	1153	71.1	899	67.0	543	47.5
MEAN	136	4.7	96	5.9	75	5.6	45	4.0
MAX	224	3.7	143	4.6	113	5.0	72	4.2
(TIME)	20 : 00		16 : 00		16 : 00		16 : 00	

NO.2 TIME	9/22/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	82	9.1	68	8.0	56	7.5	34	5.7
2	98	9.1	79	8.0	63	7.9	38	5.7
4	91	9.5	72	8.2	59	8.0	35	5.6
6	101	7.1	78	6.5	58	5.5	36	3.6
8	126	6.0	92	6.2	73	4.7	46	3.5
10	146	4.7	107	4.8	84	4.7	53	3.7
12	141	4.0	112	4.6	88	4.9	53	3.7
14	155	4.3	118	4.6	94	4.5	58	3.6
16	169	6.0	140	5.0	116	4.8	75	4.1
18	159	4.5	121	5.0	96	4.9	61	3.6
20	129	5.6	104	5.4	80	4.9	51	3.9
22	118	8.3	99	6.0	73	5.1	43	3.7
TOTAL	1515	78.2	1190	72.3	940	67.4	583	50.4
MEAN	126	6.5	99	6.0	78	5.6	49	4.2
MAX	169	6.0	140	5.0	116	4.8	75	4.1
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	9/23/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	121	8.1	92	7.5	70	6.5	41	4.1
2	123	8.1	94	8.3	73	7.2	43	4.6
4	106	7.6	86	7.9	66	6.7	37	4.2
6	134	5.5	95	7.4	71	6.8	42	4.6
8	119	4.8	90	6.7	71	6.1	45	4.5
10	110	5.5	93	6.0	76	5.7	47	4.2
12	109	4.2	91	6.3	76	5.7	45	3.8
14	242	3.6	118	5.5	87	5.3	53	3.9
16								
18								
20	180	5.3	139	6.3	112	6.3	70	4.9
22	203	11.6	145	6.5	106	6.5	62	4.6
TOTAL	1447	64.3	1043	68.4	808	62.8	485	43.4
MEAN	145	6.4	104	6.8	81	6.3	49	4.3
MAX	242	3.6	145	6.5	112	6.3	70	4.9
(TIME)	14 : 00		22 : 00		20 : 00		20 : 00	

TIME	9/23/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	116	8.2	96	6.9	77	6.9	46	4.6
2	140	9.8	100	8.6	78	7.6	46	5.0
4	114	6.8	91	7.8	71	6.9	41	4.6
6	132	13.0	99	7.3	75	7.0	44	4.7
8	129	5.2	93	5.0	73	5.7	46	4.3
10	123	6.2	100	6.2	83	5.8	53	4.4
12	122	4.2	97	5.8	77	5.5	49	4.0
14	146	4.7	103	5.5	83	4.9	52	3.8
16								
18								
20	153	4.9	135	6.3	107	6.2	67	4.6
22	215	11.3	145	7.7	112	6.6	67	5.0
TOTAL	1390	74.3	1059	67.1	836	63.1	511	45.0
MEAN	139	7.4	106	6.7	84	6.3	51	4.5
MAX	215	11.3	145	7.7	112	6.6	67	4.6
(TIME)	22 : 00		22 : 00		22 : 00		20 : 00	

TIME	9/24/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	170	6.9	137	6.6	110	7.5	65	5.2
2	219	0.7	162	7.9	120	7.5	67	5.6
4								
6	229	10.1	188	8.5	149	7.8	84	6.0
8	202	3.6	159	7.8	126	6.5	70	5.3
10	151	3.0	140	7.8	118	6.5	68	5.4
12								
14	233	12.9	207	10.0	162	8.2	89	6.1
16	281	13.3	222	10.2	168	8.6	88	6.3
18	299	12.3	218	11.1	153	8.1	81	6.0
20	174	5.1	149	7.2	119	6.6	71	5.4
22	241	5.3	174	8.6	140	8.1	82	5.9
TOTAL	2199	73.2	1756	85.7	1365	75.4	765	57.2
MEAN	220	7.3	176	8.6	137	7.5	77	5.7
MAX	299	12.3	222	10.2	168	8.6	89	6.1
(TIME)	18 : 00		16 : 00		16 : 00		14 : 00	

TIME	9/24/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	169	7.0	129	5.5	108	6.8	67	5.1
2	269	10.3	166	8.8	126	8.2	74	6.3
4								
6	195	3.6	180	7.5	148	7.2	86	6.0
8	193	5.7	165	9.3	133	8.0	76	5.8
10	167	4.4	151	8.6	123	7.2	74	5.7
12								
14	237	14.0	215	9.3	169	9.0	96	6.6
16	250	14.0	211	11.4	168	8.7	92	6.5
18	292	13.3	246	13.5	180	9.7	105	7.3
20	182	5.4	159	6.6	128	6.3	77	5.9
22	238	15.8	187	8.2	151	7.8	89	6.1
TOTAL	2192	93.5	1809	88.7	1434	78.9	836	61.3
MEAN	219	9.3	181	8.9	143	7.9	84	6.1
MAX	292	13.3	246	13.5	180	9.7	105	7.3
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

NO.1 TIME	9/25/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	216	4.6	189	7.2	154	7.7	88	6.0
2	234	11.9	201	8.9	154	8.4	87	6.8
4	283	5.9	218	9.4	172	9.3	103	7.0
6	220	7.6	198	10.8	159	8.7	89	6.5
8								
10								
12	189	5.4	166	9.0	139	8.5	83	6.5
14	265	13.1	199	9.2	157	9.1	95	7.5
16	224	13.1	189	8.5	151	8.4	85	6.4
18	224	7.8	194	10.5	164	8.4	99	7.1
20	226	5.5	191	7.4	156	8.5	86	6.5
22	167	2.9	155	7.8	135	8.3	80	6.6
TOTAL	2248	77.8	1900	88.7	1541	85.3	895	66.9
MEAN	225	7.8	190	8.9	154	8.5	90	6.7
MAX	283	5.9	218	9.4	172	9.3	103	7.0
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

NO.2 TIME	9/25/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	227	3.9	195	7.2	158	7.1	96	6.4
2	280	12.2	229	9.2	173	8.2	98	7.2
4	236	10.5	222	9.4	181	9.3	112	7.5
6	242	13.0	205	9.3	165	9.4	95	6.9
8								
10								
12	193	11.1	166	9.0	144	7.9	89	6.6
14	262	11.3	211	10.0	162	9.1	94	7.1
16	246	10.4	206	10.0	156	8.7	87	6.7
18	245	7.6	205	9.7	172	8.8	105	7.4
20	243	9.4	184	8.5	157	8.5	92	7.1
22	177	5.8	156	8.6	135	8.4	80	6.6
TOTAL	2351	95.2	1979	90.9	1603	85.4	948	69.5
MEAN	235	9.5	198	9.1	160	8.5	95	6.9
MAX	280	12.2	229	9.2	181	9.3	112	7.5
(TIME)	2 : 00		2 : 00		4 : 00		4 : 00	

TIME	9/26/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	195	12.1	169	10.4	143	9.5	77	6.5
2	233	10.4	184	8.8	127	9.0	71	6.5
4	180	9.3	157	9.6	116	8.7	67	5.7
6	317	3.3	173	5.8	125	6.3	74	4.6
8	193	4.8	151	5.8	119	5.8	77	4.7
10	147	6.0	129	6.1	111	5.7	74	4.8
12	161	8.1	144	7.8	122	6.7	76	5.2
14								
16								
18								
20								
22								
TOTAL	1426	54.0	1107	54.3	863	51.7	516	38.0
MEAN	204	7.7	158	7.8	123	7.4	74	5.4
MAX	317	3.3	184	8.8	143	9.5	77	6.5
(TIME)	6 : 00		2 : 00		0 : 00		0 : 00	

TIME	9/26/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	196	14.8	180	11.6	157	9.5	92	7.4
2	231	10.3	173	9.5	126	9.0	69	6.4
4	193	10.8	157	9.5	118	8.3	68	5.6
6	222	12.1	176	6.5	131	6.6	78	5.0
8	187	10.2	155	8.5	125	7.0	83	5.3
10	160	3.9	127	6.2	112	6.1	77	4.9
12	153	8.9	136	6.2	116	6.1	74	5.0
14								
16								
18								
20								
22								
TOTAL	1342	71.0	1104	58.0	885	52.6	541	39.6
MEAN	192	10.1	158	8.3	126	7.5	77	5.7
MAX	231	10.3	180	11.6	157	9.5	92	7.4
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

TIME	9/27/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	9/27/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/28/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/29/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/30/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/28/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/29/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	9/30/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	1/1984 TMEAM (SEC)
0	198	2.5	147	7.4	117	6.9	68	5.0
2	167	0.5	139	6.2	117	5.6	74	4.7
4	195	10.5	146	7.2	117	5.7	69	4.2
6	231	7.7	157	5.0	120	6.2	72	4.6
8	194	7.5	160	7.2	121	6.4	69	4.6
10	201	9.9	177	8.0	138	7.3	78	5.1
12	175	8.6	140	7.1	110	6.4	64	4.8
14	176	9.0	146	8.1	117	8.1	69	5.7
16	208	9.3	169	8.9	128	8.0	79	6.2
18	216	8.4	167	8.0	131	7.7	80	5.9
20	218	9.9	199	9.5	160	8.6	102	6.8
22	187	10.2	170	7.3	140	7.7	81	5.6
TOTAL	2366	94.0	1917	89.9	1516	84.6	905	63.2
MEAN	197	7.8	160	7.5	126	7.0	75	5.3
MAX	231	7.7	199	9.5	160	8.6	102	6.8
(TIME)	6 : 00		20 : 00		20 : 00		20 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	1/1984 TMEAM (SEC)
0	173	8.1	146	8.7	118	6.8	69	5.1
2	171	11.2	144	8.5	121	6.9	76	5.1
4	170	4.7	146	7.2	123	5.8	77	4.6
6	154	4.7	142	6.5	116	6.3	72	4.7
8	191	4.8	151	7.1	120	6.0	69	4.6
10	210	5.1	170	7.6	131	7.1	77	5.1
12	172	9.7	148	7.4	115	6.9	69	5.2
14	181	4.4	152	7.6	118	8.2	73	6.0
16	201	9.9	174	8.4	134	7.9	80	6.3
18	250	8.6	181	8.0	138	7.7	90	6.6
20	223	10.1	198	10.2	158	8.5	97	6.4
22	233	4.1	179	8.3	146	7.2	88	5.8
TOTAL	2329	85.4	1931	95.5	1538	85.3	937	65.5
MEAN	194	7.1	161	8.0	128	7.1	78	5.5
MAX	250	8.6	198	10.2	158	8.5	97	6.4
(TIME)	18 : 00		20 : 00		20 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	2/1984 TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	2/1984 TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	3/1984 TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14	207	8.4	147	9.0	102	8.1	57	6.1
16								
18								
20								
22								
TOTAL	207	8.4	147	9.0	102	8.1	57	6.1
MEAN	207	8.4	147	9.0	102	8.1	57	6.1
MAX	207	8.4	147	9.0	102	8.1	57	6.1
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	3/1984 TMEAM (SEC)
0								
2								
4								
6								
8								
10								
12								
14	215	8.4	151	9.0	109	8.4	63	6.7
16								
18								
20								
22								
TOTAL	215	8.4	151	9.0	109	8.4	63	6.7
MEAN	215	8.4	151	9.0	109	8.4	63	6.7
MAX	215	8.4	151	9.0	109	8.4	63	6.7
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	160	5.0	119	8.4	86	6.7	51	4.7
2	180	8.2	125	6.7	93	5.9	56	4.2
4	192	8.6	129	5.9	99	5.8	58	4.2
6	166	8.0	131	6.5	97	5.8	59	4.6
8	163	9.3	121	6.7	93	6.4	55	4.5
10	146	7.8	110	6.7	88	6.4	56	4.8
12	141	4.7	106	8.2	79	6.7	49	4.6
14	112	9.8	86	8.0	68	7.4	42	4.8
16	126	9.4	90	7.7	65	6.6	36	4.2
18	164	9.7	110	8.7	80	6.8	45	4.8
20	117	6.4	92	7.4	70	6.9	43	5.2
22	107	6.9	87	7.4	61	6.6	37	4.6
TOTAL	1774	93.8	1306	88.3	979	78.0	587	55.2
MEAN	148	7.8	109	7.4	82	6.5	49	4.6
MAX	192	8.6	131	6.5	99	5.8	59	4.6
(TIME)	4 : 00		6 : 00		4 : 00		6 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	157	8.2	121	7.8	87	6.3	52	4.8
2	156	5.2	123	6.6	94	5.9	58	4.4
4	199	8.6	127	6.3	98	6.2	61	4.5
6	165	8.3	124	5.9	96	6.0	60	4.7
8	145	4.3	129	6.3	99	6.2	59	4.6
10	144	8.8	120	7.9	94	6.4	61	5.3
12	151	9.5	113	7.1	84	6.5	51	4.6
14	114	8.0	93	7.1	73	7.1	43	4.8
16	131	7.0	93	7.8	67	6.7	39	4.6
18	174	9.7	112	8.6	82	7.6	49	5.3
20	119	6.8	85	6.2	68	6.7	42	4.9
22	121	7.0	88	7.9	64	7.1	38	5.1
TOTAL	1776	91.4	1328	85.5	1006	78.7	613	57.6
MEAN	148	7.6	111	7.1	84	6.6	51	4.8
MAX	199	8.6	129	6.3	99	6.2	61	4.5
(TIME)	4 : 00		8 : 00		8 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	104	6.8	86	7.8	67	7.5	39	5.0
2	113	8.4	85	6.2	67	6.9	40	4.9
4	118	7.1	92	6.9	73	6.8	41	4.8
6	180	5.6	122	7.2	87	7.2	54	5.4
8	126	4.5	94	5.6	72	5.4	44	3.9
10								
12	141	9.1	74	6.6	57	5.4	35	3.7
14	106	7.7	73	7.3	59	6.2	36	4.2
16	101	8.7	75	6.8	57	6.3	34	4.0
18	80	4.2	67	7.3	54	6.3	34	4.4
20	74	4.4	64	7.6	50	6.5	30	4.3
22	103	4.0	75	5.1	58	4.9	36	3.5
TOTAL	1246	70.5	907	74.4	701	69.4	423	48.1
MEAN	113	6.4	83	6.8	64	6.3	39	4.4
MAX	180	5.6	122	7.2	87	7.2	54	5.4
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	108	6.9	88	7.7	72	7.8	45	6.1
2	112	8.6	88	7.1	69	6.7	41	5.2
4	111	9.1	95	7.7	79	7.6	44	5.3
6	149	5.4	106	7.6	82	7.2	51	5.3
8	113	5.4	92	5.9	73	5.5	44	3.8
10								
12	100	8.3	76	7.0	62	6.1	39	4.1
14	99	7.8	78	7.3	61	6.6	38	4.4
16	92	9.5	70	7.4	55	6.1	34	4.1
18	93	8.5	67	7.4	57	6.6	38	4.6
20	79	8.5	64	8.3	52	6.9	32	4.7
22	110	5.2	76	5.1	61	4.6	38	3.6
TOTAL	1166	83.2	900	78.5	723	71.7	444	51.2
MEAN	106	7.6	82	7.1	66	6.5	40	4.7
MAX	149	5.4	106	7.6	82	7.2	51	5.3
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	96	4.1	72	5.4	57	4.9	36	3.7
2	104	5.1	77	4.8	60	4.9	38	3.6
4	119	4.0	97	4.1	78	4.5	49	3.5
6	316	1.4	130	5.1	99	5.1	63	4.0
8	146	5.9	119	5.4	98	5.2	61	4.2
10	140	4.9	120	5.6	96	5.2	58	4.1
12	123	5.4	92	5.0	71	4.9	42	3.6
14	97	4.0	79	5.8	62	5.6	38	4.2
16	86	8.6	63	6.6	51	5.8	33	4.5
18	64	6.9	54	6.6	41	5.9	25	4.0
20	58	8.5	51	7.0	40	6.0	26	4.4
22	61	4.9	52	7.5	43	6.6	27	4.5
TOTAL	1410	63.7	1006	68.9	796	64.6	496	48.3
MEAN	118	5.3	84	5.7	66	5.4	41	4.0
MAX	316	1.4	130	5.1	99	5.1	63	4.0
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	95	6.8	72	5.4	58	4.9	36	3.7
2	107	4.3	87	4.8	66	4.9	43	4.0
4	116	4.5	96	4.5	78	4.7	49	3.5
6	145	3.9	121	5.4	102	5.0	65	4.1
8	143	5.1	123	5.6	104	5.0	67	4.2
10	160	6.9	134	5.9	107	5.4	71	4.7
12	140	5.3	107	5.0	80	5.0	49	4.1
14	99	3.6	81	6.3	61	5.3	39	4.1
16	95	7.9	67	6.0	52	6.0	32	4.3
18	65	6.9	56	6.7	44	6.1	28	4.4
20	61	8.5	52	8.1	40	6.8	25	4.4
22	65	6.8	54	7.1	45	7.0	27	4.8
TOTAL	1291	70.5	1050	70.8	837	66.1	531	50.3
MEAN	108	5.9	88	5.9	70	5.5	44	4.2
MAX	160	6.9	134	5.9	107	5.4	71	4.7
(TIME)	10 : 00		10 : 00		10 : 00		10 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	85	8.3	56	6.2	43	5.4	27	3.5
2	129	3.4	94	4.5	77	4.0	48	3.2
4	161	4.9	136	4.9	114	4.9	72	4.1
6	149	6.3	132	5.1	110	4.9	71	4.1
8	152	6.8	123	5.5	106	5.0	73	4.2
10	166	6.5	142	5.3	121	5.3	82	4.3
12	161	5.5	152	5.4	131	5.0	89	4.3
14	203	6.4	176	5.4	155	5.6	108	5.1
16	216	6.1	178	6.1	147	5.8	89	4.5
18	172	5.1	157	5.6	131	5.7	84	4.5
20	173	8.8	150	5.8	128	5.7	87	4.8
22	258	1.6	153	5.3	130	5.7	84	4.5
TOTAL	2025	69.7	1649	65.1	1393	63.0	914	51.1
MEAN	169	5.8	137	5.4	116	5.2	76	4.3
MAX	258	1.6	178	6.1	155	5.6	108	5.1
(TIME)	22 : 00		16 : 00		14 : 00		14 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	86	8.2	57	6.6	44	5.7	27	3.8
2	114	4.6	100	4.4	78	4.1	49	3.3
4	170	4.0	143	4.8	117	4.9	76	4.2
6	155	3.6	132	5.3	113	5.0	73	4.0
8	164	6.6	131	5.2	115	5.1	81	4.5
10	151	6.2	136	5.6	122	5.2	87	4.6
12	173	5.9	161	5.2	140	5.2	99	4.7
14	215	5.8	191	5.6	165	5.6	113	5.0
16	220	6.1	181	5.5	152	5.7	97	4.7
18	184	5.4	163	5.5	144	5.6	97	4.8
20	173	8.8	148	5.9	131	6.0	93	4.8
22	156	5.5	141	6.0	125	6.0	87	5.0
TOTAL	1961	70.7	1684	65.6	1446	64.1	979	53.4
MEAN	163	5.9	140	5.5	121	5.3	82	4.4
MAX	220	6.1	191	5.6	165	5.6	113	5.0
(TIME)	16 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	175	7.3	155	5.6	130	6.2	89	5.0
2	185	4.7	166	6.2	142	5.9	88	4.9
4	194	8.0	157	6.6	131	6.2	83	4.7
6	196	8.2	149	7.0	126	6.1	84	4.9
8	156	6.3	138	7.4	115	6.3	78	4.8
10	166	8.1	142	8.7	118	6.5	80	5.1
12								
14								
16	223	8.4	196	7.9	168	7.8	111	5.9
18	190	10.9	175	9.0	149	7.9	105	6.4
20	180	13.7	157	12.2	126	9.0	77	5.7
22	166	13.4	149	9.3	124	8.0	80	5.6
TOTAL	1831	89.0	1584	79.9	1329	69.9	875	53.0
MEAN	183	8.9	158	8.0	133	7.0	88	5.3
MAX	223	8.4	196	7.9	168	7.8	111	5.9
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	189	7.8	152	6.3	132	6.0	94	5.1
2	196	6.9	173	6.8	152	6.1	100	5.0
4	199	8.2	168	6.6	142	6.1	91	5.0
6	194	6.5	154	6.4	130	6.0	92	5.0
8	151	9.1	137	8.2	117	6.5	81	5.1
10	160	11.8	145	7.1	120	6.6	81	5.2
12								
14								
16	217	12.4	198	9.9	172	8.3	115	6.2
18	188	4.6	169	8.1	144	7.6	104	6.2
20	175	14.1	152	9.4	130	8.5	86	6.6
22	158	9.0	140	10.1	119	8.3	82	6.4
TOTAL	1827	90.4	1588	78.9	1358	70.0	926	55.8
MEAN	183	9.0	159	7.9	136	7.0	93	5.6
MAX	217	12.4	198	9.9	172	8.3	115	6.2
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	9/1984 TMEAN (SEC)
0	203	11.2	167	10.0	138	8.0	84	5.6
2	222	13.4	202	8.8	167	8.9	109	6.6
4	253	13.1	205	9.8	167	9.4	110	6.8
6	221	12.6	179	10.3	144	8.4	89	6.1
8	183	16.5	140	11.8	120	10.8	77	7.3
10	160	13.9	125	9.0	109	8.6	69	6.3
12	197	10.0	143	10.2	119	8.6	78	6.3
14	292	14.3	193	11.4	154	9.9	100	6.8
16	254	12.5	205	9.9	169	8.4	107	6.4
18	172	8.9	146	7.0	128	8.1	81	5.7
20	156	8.3	144	10.4	116	7.8	70	5.7
22	146	3.2	123	8.4	101	6.4	63	5.3
TOTAL	2459	137.9	1972	117.0	1632	103.3	1037	74.9
MEAN	205	11.5	164	9.7	136	8.6	86	6.2
MAX	292	14.3	205	9.8	169	8.4	110	6.8
(TIME)	14 : 00		4 : 00		16 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/ HMEAN (CM)	9/1984 TMEAN (SEC)
0	225	10.4	175	10.3	151	8.3	101	6.3
2	209	11.3	194	9.4	167	8.2	112	6.7
4	241	9.4	208	10.2	171	8.5	107	6.3
6	199	12.6	176	11.0	149	9.6	98	6.9
8	176	12.1	146	10.9	125	10.2	83	7.2
10	155	9.5	139	10.7	120	10.0	80	7.3
12	165	9.6	138	8.5	119	8.2	78	6.2
14	223	14.7	195	12.4	161	10.9	102	6.9
16	232	12.0	196	10.8	168	8.7	103	6.0
18	174	4.2	161	8.3	142	8.7	89	6.0
20	180	11.3	138	11.4	115	8.2	73	5.8
22	131	12.4	121	6.1	105	6.8	69	5.8
TOTAL	2310	129.5	1987	120.0	1693	106.3	1095	77.4
MEAN	193	10.8	166	10.0	141	8.9	91	6.4
MAX	241	9.4	208	10.2	171	8.5	112	6.7
(TIME)	4 : 00		4 : 00		4 : 00		2 : 00	

NO.1		10/10/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	184	11.3	152	11.2	126	8.4	81	6.1	
2	213	11.5	191	10.7	158	10.2	99	6.9	
4	239	11.1	200	12.3	159	9.4	97	6.9	
6	202	12.6	188	9.6	159	10.4	97	7.0	
8	295	5.4	170	7.6	125	6.8	72	5.6	
10	150	11.3	133	10.1	112	6.7	69	5.8	
12	161	13.6	136	9.1	115	7.3	66	5.2	
14	188	10.0	172	11.1	148	9.7	92	6.7	
16	198	14.5	188	9.5	159	9.3	96	6.4	
18	198	13.1	180	10.8	149	9.3	89	6.2	
20	182	4.3	154	11.5	126	7.7	76	6.1	
22	167	13.5	119	7.5	95	6.0	58	5.1	
TOTAL	2377	132.2	1983	121.0	1631	101.2	992	74.0	
MEAN	198	11.0	165	10.1	136	8.4	83	6.2	
MAX	295	5.4	200	12.3	159	9.4	99	6.9	
(TIME)	8 : 00		4 : 00		4 : 00		2 : 00		

NO.2		10/10/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	174	13.8	149	9.7	130	9.0	87	6.6	
2	256	11.5	200	11.8	161	9.8	106	7.2	
4	220	13.0	194	9.7	163	8.4	99	6.6	
6	257	13.4	205	12.3	171	11.3	110	7.5	
8	191	10.2	156	11.4	125	7.8	76	5.9	
10	156	13.4	133	8.9	116	7.7	75	6.3	
12	161	12.1	145	9.8	122	6.9	76	5.8	
14	196	12.3	176	11.1	148	8.7	93	6.6	
16	226	12.4	183	10.4	161	9.5	103	6.7	
18	208	12.8	186	10.0	150	8.5	87	6.0	
20	197	14.8	155	9.9	130	7.9	78	6.0	
22	146	4.6	130	8.3	102	6.1	63	5.1	
TOTAL	2388	144.3	2012	123.3	1679	101.6	1053	76.3	
MEAN	199	12.0	168	10.3	140	8.5	88	6.4	
MAX	257	13.4	205	12.3	171	11.3	110	7.5	
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00		

		10/11/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	164	20.0	139	11.4	111	8.2	66	6.0	
2	233	15.6	194	17.0	156	11.5	96	7.7	
4	234	14.9	197	9.5	172	9.1	110	6.9	
6	217	13.1	196	10.5	160	9.5	96	6.4	
8	197	12.7	161	9.1	132	7.3	79	6.0	
10	161	15.2	145	10.3	118	7.2	72	5.8	
12	203	16.2	157	9.9	127	6.3	79	5.6	
14	257	5.3	188	11.7	153	8.4	97	6.7	
16	242	9.0	201	8.3	175	8.4	105	6.4	
18	223	14.2	189	11.5	162	9.8	98	6.4	
20	240	4.3	192	12.3	153	8.9	87	6.7	
22	171	16.7	142	8.4	105	6.6	66	5.4	
TOTAL	2542	157.2	2101	129.9	1724	101.2	1051	76.0	
MEAN	212	13.1	175	10.8	144	8.4	88	6.3	
MAX	257	5.3	201	8.3	175	8.4	110	6.9	
(TIME)	14 : 00		16 : 00		16 : 00		4 : 00		

		10/11/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	203	11.1	145	8.0	115	6.5	74	6.2	
2	235	28.0	199	17.3	161	11.3	100	7.6	
4	238	7.7	204	10.4	174	9.0	114	7.0	
6	212	13.6	198	10.1	163	8.2	103	6.7	
8	180	3.9	166	9.5	139	8.2	87	6.5	
10	180	12.8	160	12.1	129	7.8	80	6.2	
12	191	16.0	161	11.7	132	7.5	83	6.1	
14	203	17.0	182	11.6	152	7.6	96	6.6	
16	243	13.6	203	11.6	170	8.5	104	6.5	
18	215	13.2	195	11.9	169	10.1	110	7.3	
20	187	12.2	165	13.0	139	9.2	83	6.8	
22	186	15.4	147	6.4	113	5.7	71	5.3	
TOTAL	2473	164.5	2125	133.6	1756	99.6	1105	78.8	
MEAN	206	13.7	177	11.1	146	8.3	92	6.6	
MAX	243	13.6	204	10.4	174	9.0	114	7.0	
(TIME)	16 : 00		4 : 00		4 : 00		4 : 00		

		10/12/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	146	10.2	123	8.9	97	6.7	60	5.3	
2	180	12.5	160	8.4	128	6.2	76	5.9	
4	244	3.9	184	8.3	153	6.8	98	6.4	
6	215	13.9	196	9.6	162	7.9	99	6.0	
8	195	5.4	162	6.2	131	5.8	77	5.3	
10	182	6.7	141	10.5	114	6.8	70	5.5	
12	197	15.7	152	9.5	123	7.0	76	5.5	
14	212	11.3	168	9.8	143	6.7	86	5.7	
16	231	9.1	196	13.2	165	9.4	105	6.8	
18	205	5.1	179	9.1	157	8.3	102	6.4	
20	212	15.5	178	11.2	145	8.8	88	6.4	
22	173	14.0	153	8.8	123	6.5	74	5.4	
TOTAL	2392	123.3	1992	113.5	1641	86.9	1011	70.6	
MEAN	199	10.3	166	9.5	137	7.2	84	5.9	
MAX	244	3.9	196	9.6	165	9.4	105	6.8	
(TIME)	4 : 00		6 : 00		16 : 00		16 : 00		

		10/12/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN	
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	
0	158	9.9	119	5.3	98	5.4	63	5.2	
2	175	9.6	163	7.7	136	6.5	80	5.9	
4	245	14.1	199	8.8	160	7.0	102	6.1	
6	232	10.0	196	10.3	165	8.2	107	6.4	
8	225	11.0	167	7.0	136	5.6	82	5.5	
10	167	14.1	146	8.9	119	6.0	76	5.6	
12	194	12.9	147	8.2	119	6.8	77	5.4	
14	182	16.2	165	9.2	141	7.1	90	5.8	
16	266	17.9	206	11.4	170	7.8	106	6.4	
18	205	15.9	193	12.3	161	9.8	104	6.9	
20	197	11.3	172	10.9	147	8.7	90	6.5	
22	168	14.4	142	9.2	115	6.8	71	5.5	
TOTAL	2414	157.3	2015	109.2	1667	85.7	1048	71.2	
MEAN	201	13.1	168	9.1	139	7.1	87	5.9	
MAX	266	17.9	206	11.4	170	7.8	107	6.4	
(TIME)	16 : 00		16 : 00		16 : 00		6 : 00		

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/13/1984 HMEAN (CM)	TMEAN (SEC)
0	161	17.6	150	8.6	125	8.1	75	5.8
2	182	10.9	166	8.3	142	6.9	86	5.7
4	321	7.7	216	10.1	181	8.6	104	6.3
6	256	6.7	237	8.4	202	7.7	125	6.9
8	224	12.5	210	11.1	174	7.6	107	6.2
10	253	17.0	207	11.4	177	9.5	110	7.2
12	339	4.0	240	10.8	190	9.3	114	7.0
14	238	17.8	197	8.7	163	7.2	97	5.9
16	292	12.0	236	10.1	198	10.0	125	7.2
18	298	9.3	253	12.1	201	8.4	123	6.8
20	291	12.3	211	8.6	167	7.4	94	5.5
22	214	9.1	168	7.0	131	6.2	76	5.5
TOTAL	3069	136.9	2491	115.2	2051	96.9	1236	76.0
MEAN	256	11.4	208	9.6	171	8.1	103	6.3
MAX	339	4.0	253	12.1	202	7.7	125	6.9
(TIME)	12 : 00		18 : 00		6 : 00		6 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/13/1984 HMEAN (CM)	TMEAN (SEC)
0	182	17.4	147	8.4	121	6.7	70	5.4
2	199	4.7	168	7.8	136	7.5	83	5.6
4	220	11.4	203	10.9	176	8.8	111	6.8
6	266	15.0	220	7.9	184	7.8	115	6.3
8	300	12.6	220	7.3	177	6.9	109	6.3
10	225	6.7	203	11.6	174	9.7	106	7.1
12	238	3.9	201	10.9	166	8.8	100	6.5
14	200	3.1	188	6.9	161	7.3	98	5.9
16	245	12.0	216	11.2	187	9.0	122	7.3
18	297	13.3	251	11.9	197	9.3	129	7.5
20	246	4.5	204	8.8	164	7.8	97	5.8
22	225	13.1	170	8.3	127	6.1	73	5.3
TOTAL	2843	117.7	2391	111.9	1970	95.7	1213	75.8
MEAN	237	9.8	199	9.3	164	8.0	101	6.3
MAX	300	12.6	251	11.9	197	9.3	129	7.5
(TIME)	8 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/14/1984 HMEAN (CM)	TMEAN (SEC)
0	205	14.6	161	8.2	132	7.0	77	5.5
2	178	5.5	167	8.9	145	7.6	89	6.2
4	242	6.1	212	9.1	175	8.1	102	6.0
6	288	4.9	237	10.8	198	9.1	120	7.0
8	371	8.6	246	8.8	183	7.5	101	6.3
10	261	14.8	199	12.1	171	9.3	103	6.7
12	206	7.9	180	9.2	148	7.2	84	6.2
14	259	12.9	211	9.2	174	9.6	99	6.5
16	235	10.1	219	9.8	197	9.6	119	7.4
18	263	9.8	231	9.5	188	9.0	109	6.5
20	284	11.6	226	9.3	177	7.6	94	5.8
22	179	11.3	146	6.4	121	5.8	70	5.1
TOTAL	2971	118.1	2435	111.3	2009	97.4	1167	75.2
MEAN	248	9.8	203	9.3	167	8.1	97	6.3
MAX	371	8.6	246	8.8	198	9.1	120	7.0
(TIME)	8 : 00		8 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/14/1984 HMEAN (CM)	TMEAN (SEC)
0	216	4.1	160	5.7	120	6.2	76	5.6
2	221	5.0	181	6.9	145	6.4	85	5.6
4	228	3.3	210	8.3	169	7.1	102	6.2
6	237	3.8	213	8.6	188	9.1	112	6.8
8	250	4.6	219	10.4	174	7.9	101	6.7
10	222	15.1	194	11.9	164	9.3	100	6.6
12	188	11.7	173	8.0	145	6.9	83	5.8
14	232	5.3	194	9.3	164	8.4	99	6.6
16	255	3.7	228	9.7	196	9.2	115	7.0
18	268	13.5	215	10.8	182	8.8	111	6.7
20	226	12.9	196	8.5	165	8.3	99	6.6
22	174	3.8	151	6.5	118	5.7	72	5.2
TOTAL	2717	86.8	2334	104.6	1930	93.3	1155	75.4
MEAN	226	7.2	195	8.7	161	7.8	96	6.3
MAX	268	13.5	228	9.7	196	9.2	115	7.0
(TIME)	18 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/15/1984 HMEAN (CM)	TMEAN (SEC)
0	204	11.2	173	7.1	139	6.1	78	5.2
2	176	4.6	153	7.7	123	6.2	73	5.7
4	230	5.4	195	11.4	159	8.8	89	6.2
6	249	13.5	214	11.3	175	9.7	102	7.3
8	212	11.8	192	10.7	164	9.0	93	6.8
10	200	4.9	183	8.8	160	8.5	94	6.6
12								
14								
16								
18								
20								
22								
TOTAL	1271	51.4	1110	57.0	920	48.3	529	37.8
MEAN	212	8.6	185	9.5	153	8.0	88	6.3
MAX	249	13.5	214	11.3	175	9.7	102	7.3
(TIME)	6 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/15/1984 HMEAN (CM)	TMEAN (SEC)
0	207	4.7	165	5.8	128	5.5	72	5.3
2	163	2.8	137	7.7	113	6.0	69	5.4
4	236	4.0	188	7.5	151	7.4	83	5.8
6	210	9.9	192	9.5	165	8.7	97	6.7
8	219	5.8	197	8.8	164	7.4	90	6.2
10	214	7.7	190	9.8	161	7.5	93	6.3
12								
14								
16								
18								
20								
22								
TOTAL	1249	34.9	1069	49.1	882	42.5	504	35.7
MEAN	208	5.8	178	8.2	147	7.1	84	5.9
MAX	236	4.0	197	8.8	165	8.7	97	6.7
(TIME)	4 : 00		8 : 00		6 : 00		6 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/16/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/17/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/18/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/16/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/17/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/18/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/19/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/20/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/21/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22	182	4.1	151	5.3	121	5.3	69	4.6
TOTAL	182	4.1	151	5.3	121	5.3	69	4.6
MEAN	182	4.1	151	5.3	121	5.3	69	4.6
MAX	182	4.1	151	5.3	121	5.3	69	4.6
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/19/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/20/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL								
MEAN								
MAX								
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/21/1984 HMEAN TMEAN (CM) (SEC)	
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22	186	4.3	160	5.1	125	5.6	74	5.1
TOTAL	186	4.3	160	5.1	125	5.6	74	5.1
MEAN	186	4.3	160	5.1	125	5.6	74	5.1
MAX	186	4.3	160	5.1	125	5.6	74	5.1
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

NO.1	10/22/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	293	3.4	177	6.6	136	6.5	75	5.1
2	192	4.0	155	5.2	127	6.9	76	5.9
4	177	6.2	140	4.8	117	6.1	70	5.1
6	156	18.1	112	5.6	92	5.3	57	4.5
8	121	5.2	99	4.2	82	4.3	56	4.7
10	146	4.6	113	4.9	93	4.8	56	4.5
12	308	7.0	161	6.0	127	6.1	74	5.1
14	197	9.4	164	7.0	131	6.8	76	5.9
16	176	6.7	161	6.4	127	6.5	72	5.5
18	202	7.9	149	5.7	124	5.6	75	5.3
20	150	4.7	117	4.6	97	4.8	58	4.4
22	188	5.4	129	5.5	102	5.4	65	4.6
TOTAL	2306	82.6	1677	66.5	1355	69.1	810	60.6
MEAN	192	6.9	140	5.5	113	5.8	68	5.0
MAX	308	7.0	177	6.6	136	6.5	76	5.9
(TIME)	12 : 00		0 : 00		0 : 00		2 : 00	

NO.2	10/22/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	191	4.0	160	6.5	133	6.5	78	5.2
2	203	3.5	155	6.1	130	6.6	78	5.9
4	175	6.4	139	5.3	116	5.7	72	5.3
6	156	4.1	113	4.8	92	5.1	61	4.7
8	140	4.7	106	4.6	86	5.1	59	4.8
10	130	4.4	117	4.8	99	5.0	63	4.9
12	223	7.0	157	6.1	124	6.2	74	5.3
14	201	6.7	169	6.6	133	6.8	78	5.9
16	194	5.0	168	5.3	130	6.3	77	5.6
18	192	4.8	148	5.3	123	5.4	76	5.0
20	149	5.3	115	4.8	95	4.9	57	4.2
22	157	4.6	121	4.8	102	5.9	66	4.8
TOTAL	2111	60.5	1668	65.0	1363	69.5	839	61.6
MEAN	176	5.0	139	5.4	114	5.8	70	5.1
MAX	223	7.0	169	6.6	133	6.5	78	5.2
(TIME)	12 : 00		14 : 00		0 : 00		0 : 00	

	10/23/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	241	11.8	149	7.1	118	6.4	73	5.1
2	233	4.7	189	5.6	139	6.0	78	5.0
4	226	5.3	181	5.8	145	5.3	88	5.5
6	150	4.7	136	4.5	114	4.8	69	4.6
8	154	4.4	118	5.7	96	5.2	62	4.8
10	209	6.9	141	5.4	107	4.7	69	4.5
12	198	4.4	156	5.4	122	5.4	74	5.2
14	214	4.0	157	6.5	127	6.2	71	5.6
16	202	4.9	183	7.0	152	6.7	89	6.3
18	247	13.8	167	5.2	133	5.1	79	5.0
20	155	4.6	120	5.9	93	5.4	61	5.0
22	133	5.0	96	5.2	78	4.6	51	4.4
TOTAL	2362	74.5	1793	69.3	1424	65.8	864	61.0
MEAN	197	6.2	149	5.8	119	5.5	72	5.1
MAX	247	13.8	189	5.6	152	6.7	89	6.3
(TIME)	18 : 00		2 : 00		16 : 00		16 : 00	

	10/23/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	241	12.1	141	7.7	115	6.3	72	5.1
2	221	11.5	181	5.8	142	5.8	81	5.4
4	243	4.9	173	8.1	140	5.8	84	5.8
6	176	4.4	146	5.0	122	5.7	75	4.9
8	150	5.4	118	4.9	96	4.9	63	4.4
10	231	6.8	135	6.2	104	4.9	67	4.5
12	202	4.5	156	6.6	122	6.0	73	5.2
14	198	5.3	157	4.5	125	5.9	71	5.3
16	209	3.7	178	5.2	142	6.1	80	5.8
18	219	4.1	163	5.6	132	5.0	80	5.1
20	165	7.5	108	4.7	87	5.0	57	4.3
22	108	6.1	88	5.0	74	5.3	49	4.4
TOTAL	2363	76.3	1744	69.3	1401	66.7	852	60.2
MEAN	197	6.4	145	5.8	117	5.6	71	5.0
MAX	243	4.9	181	5.8	142	5.8	84	5.8
(TIME)	4 : 00		2 : 00		2 : 00		4 : 00	

	10/24/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	160	6.2	129	4.6	106	5.4	64	4.7
2	255	3.9	178	4.9	141	6.3	85	5.8
4	197	13.3	180	5.6	138	6.2	85	6.0
6	289	4.8	167	5.8	128	5.9	78	5.5
8	181	15.5	124	5.3	95	4.7	59	4.6
10	124	3.8	103	4.3	86	5.0	55	4.7
12	146	4.4	132	5.1	112	5.2	72	5.1
14	179	5.2	148	5.7	115	6.3	68	5.6
16	169	11.5	140	5.6	118	6.2	69	5.5
18	191	5.1	139	4.7	108	5.5	67	5.5
20	121	5.2	97	5.7	83	5.0	54	4.2
22	86	3.7	78	4.1	65	4.2	43	3.9
TOTAL	2098	82.6	1615	61.4	1295	65.9	799	61.1
MEAN	175	6.9	135	5.1	108	5.5	67	5.1
MAX	289	4.8	180	5.6	141	6.3	85	5.8
(TIME)	6 : 00		4 : 00		2 : 00		2 : 00	

	10/24/1984							
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	140	9.8	119	6.2	99	5.5	58	4.7
2	204	4.0	169	4.6	138	5.3	83	5.6
4	183	5.9	173	4.5	141	5.5	89	6.5
6	201	4.7	166	6.6	125	6.1	76	5.7
8	144	5.9	110	4.6	90	4.6	58	4.4
10	153	5.8	108	4.9	90	4.8	60	4.8
12	189	3.2	129	4.7	110	5.1	72	4.8
14	184	3.9	147	5.1	118	6.4	72	5.9
16	160	5.6	136	5.8	116	6.4	68	5.3
18	167	5.0	131	4.4	102	4.9	64	5.1
20	115	4.6	94	5.0	79	4.7	54	4.0
22	92	3.7	79	4.5	64	4.3	43	3.5
TOTAL	1932	62.1	1561	60.9	1272	63.6	797	60.3
MEAN	161	5.2	130	5.1	106	5.3	66	5.0
MAX	204	4.0	173	4.5	141	5.5	89	6.5
(TIME)	2 : 00		4 : 00		4 : 00		4 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/25/1984 HMEAN TMEAN (CM) (SEC)	
0	106	5.2	87	5.1	76	5.3	50	4.7
2	145	3.7	128	6.1	93	6.6	53	5.2
4	171	5.8	118	6.8	91	7.9	54	5.9
6	127	5.1	115	5.7	89	6.1	54	4.9
8	127	4.7	106	5.2	83	5.3	49	4.5
10	134	5.1	98	4.3	79	5.0	49	4.3
12	130	4.5	109	5.3	91	5.4	54	4.5
14	148	4.9	128	6.0	97	6.8	58	5.4
16	144	5.6	114	7.5	89	7.2	55	5.6
18	127	9.3	104	7.0	77	7.3	46	5.5
20	95	5.1	79	4.8	65	5.1	44	4.5
22	75	4.7	64	4.6	54	4.5	36	3.6
TOTAL	1529	63.7	1250	68.4	984	72.5	602	58.6
MEAN	127	5.3	104	5.7	82	6.0	50	4.9
MAX	171	5.8	128	6.1	97	6.8	58	5.4
(TIME)	4 : 00		2 : 00		14 : 00		14 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/25/1984 HMEAN TMEAN (CM) (SEC)	
0	140	4.9	84	5.9	73	5.1	50	4.3
2	149	4.9	127	5.4	94	6.1	58	5.6
4	172	5.8	114	6.8	90	7.5	54	5.9
6	126	5.0	112	5.6	89	6.8	53	4.9
8	129	5.2	102	4.9	80	5.5	48	4.6
10	104	5.5	92	5.0	75	4.7	49	4.4
12	122	5.2	108	5.1	88	5.3	54	4.6
14	161	4.9	125	6.1	94	6.1	56	4.9
16	136	5.6	115	8.2	90	7.1	55	5.7
18	125	5.3	100	7.6	78	7.9	47	5.7
20	119	7.7	78	5.6	62	5.5	39	4.3
22	72	5.0	63	4.3	53	4.5	37	3.7
TOTAL	1555	65.0	1220	70.5	966	72.1	600	58.6
MEAN	130	5.4	102	5.9	81	6.0	50	4.9
MAX	172	5.8	127	5.4	94	6.1	58	5.6
(TIME)	4 : 00		2 : 00		2 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/26/1984 HMEAN TMEAN (CM) (SEC)	
0	79	4.2	69	4.8	59	4.7	38	4.0
2	97	4.9	83	5.9	64	6.4	38	4.9
4	102	4.8	81	7.4	58	7.5	33	5.3
6	91	5.6	71	8.4	54	8.3	33	6.0
8	132	5.2	98	5.7	75	5.9	47	4.7
10	135	4.2	109	4.5	92	4.6	62	4.0
12	151	6.0	125	5.2	100	5.0	66	4.2
14	154	7.3	127	5.4	106	5.3	70	4.2
16	128	6.6	110	5.4	92	5.1	58	3.8
18	129	4.3	103	5.0	84	5.2	53	3.9
20	109	4.7	95	4.2	77	4.2	50	3.5
22	133	2.8	81	3.7	63	3.8	42	3.2
TOTAL	1440	60.6	1152	65.6	924	66.0	590	51.7
MEAN	120	5.0	96	5.5	77	5.5	49	4.3
MAX	154	7.3	127	5.4	106	5.3	70	4.2
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/26/1984 HMEAN TMEAN (CM) (SEC)	
0	80	4.4	70	4.6	59	4.5	39	3.7
2	99	5.0	82	6.8	62	6.3	37	4.9
4	95	6.0	77	7.1	55	7.4	31	5.2
6	82	10.8	67	8.8	52	8.6	34	6.3
8	122	5.3	100	7.3	77	6.7	50	5.1
10	122	3.4	107	4.4	94	4.7	63	3.9
12	140	4.4	122	5.6	96	5.1	63	4.1
14	162	4.1	127	5.3	105	5.4	70	4.4
16	152	5.4	114	4.8	96	5.1	60	3.9
18	165	4.3	110	5.1	91	4.8	58	3.9
20	115	5.0	97	4.5	78	4.5	51	3.6
22	102	4.0	72	4.4	58	4.0	38	3.3
TOTAL	1436	62.1	1145	68.7	923	67.1	594	52.3
MEAN	120	5.2	95	5.7	77	5.6	50	4.4
MAX	165	4.3	127	5.3	105	5.4	70	4.4
(TIME)	18 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/27/1984 HMEAN TMEAN (CM) (SEC)	
0	102	8.5	69	4.5	56	4.3	36	3.3
2	100	5.8	88	6.0	72	5.4	45	4.1
4	113	5.3	84	5.3	64	5.1	40	4.1
6	102	9.8	77	8.1	60	6.5	36	4.3
8	85	11.1	72	6.6	59	5.6	36	3.7
10	91	5.3	71	5.3	55	5.0	33	3.6
12	110	4.6	95	5.3	77	5.3	50	4.2
14	104	5.6	88	5.9	74	5.6	45	4.2
16	123	6.5	99	6.4	79	6.3	47	4.7
18	132	5.8	107	6.3	82	6.3	51	5.2
20	122	4.4	97	6.5	77	6.6	48	4.9
22	102	5.2	88	5.6	75	5.5	48	4.2
TOTAL	1286	77.9	1035	71.8	830	67.5	515	50.5
MEAN	107	6.5	86	6.0	69	5.6	43	4.2
MAX	132	5.8	107	6.3	82	6.3	51	5.2
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/27/1984 HMEAN TMEAN (CM) (SEC)	
0	96	3.3	70	4.3	57	4.5	37	3.4
2	120	5.5	90	5.1	73	5.2	48	4.2
4	112	4.6	82	5.6	66	5.6	42	4.3
6	103	8.5	78	7.3	61	6.2	38	4.3
8	84	9.0	72	6.4	58	5.4	34	3.4
10	95	4.6	70	5.7	55	5.1	34	3.6
12	102	4.8	87	4.9	75	5.3	48	4.0
14	106	4.7	88	6.4	71	6.0	43	4.3
16	122	6.3	93	6.4	74	6.3	44	4.5
18	135	5.5	104	6.3	82	6.4	51	5.2
20	108	8.1	92	6.3	72	6.0	43	4.9
22	94	6.3	84	5.6	71	5.3	47	4.1
TOTAL	1277	71.2	1010	70.3	815	67.3	509	50.2
MEAN	106	5.9	84	5.9	68	5.6	42	4.2
MAX	135	5.5	104	6.3	82	6.4	51	5.2
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

NO.1	10/28/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	111	5.5	80	5.1	62	5.1	39	3.7
2	92	4.8	80	5.0	65	5.3	43	4.4
4	114	5.7	82	5.7	60	5.7	36	3.8
6	94	8.6	71	6.5	55	6.1	34	4.3
8	102	8.6	73	7.3	58	6.2	35	4.5
10	109	5.1	83	5.7	66	5.3	42	3.8
12	106	4.8	80	5.3	63	5.7	39	4.0
14	89	5.9	71	6.3	58	5.3	36	3.7
16	90	6.5	76	6.3	59	5.5	38	3.8
18	100	4.0	80	5.5	64	4.4	41	3.2
20	125	4.4	90	4.7	70	4.4	43	3.2
22	126	3.4	93	4.2	76	3.8	50	3.2
TOTAL	1258	67.3	959	67.6	756	62.8	476	45.6
MEAN	105	5.6	80	5.6	63	5.2	40	3.8
MAX	126	3.4	93	4.2	76	3.8	50	3.2
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

NO.2	10/28/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	101	5.6	70	4.9	58	4.9	36	3.5
2	90	5.0	79	5.3	63	5.6	40	4.2
4	108	5.4	81	6.1	59	5.6	34	3.7
6	83	7.0	68	7.7	52	6.2	32	4.5
8	86	8.9	66	6.2	54	6.1	34	4.5
10	106	5.0	83	5.2	65	4.7	42	3.6
12	92	4.5	77	5.7	63	5.6	39	3.9
14	89	9.2	75	6.3	57	5.4	35	3.6
16	89	5.8	76	5.9	62	5.4	38	3.6
18	110	8.8	79	4.6	64	4.2	41	3.1
20	111	4.0	85	4.3	69	4.2	45	3.3
22	130	3.1	92	4.0	75	3.8	50	3.3
TOTAL	1195	72.3	931	66.2	741	61.7	466	44.8
MEAN	100	6.0	78	5.5	62	5.1	39	3.7
MAX	130	3.1	92	4.0	75	3.8	50	3.3
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

10/29/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	98	3.9	85	4.1	71	3.9	47	3.0
2	123	3.7	108	3.7	84	3.9	53	3.2
4	161	2.7	130	4.3	104	4.3	66	3.4
6	198	4.2	133	4.2	109	4.4	70	3.6
8	206	4.9	142	5.3	110	4.9	69	3.7
10	181	5.5	136	5.5	108	5.1	69	3.8
12	193	4.4	137	5.6	109	5.1	69	3.9
14	200	4.8	137	5.0	110	5.2	71	4.1
16	128	6.2	115	5.9	98	5.3	63	4.1
18	181	5.4	136	6.1	108	5.6	68	4.2
20	161	4.4	124	4.4	98	4.5	62	3.5
22	124	4.3	105	4.6	89	4.6	57	3.5
TOTAL	1954	54.4	1488	58.7	1198	56.8	764	44.0
MEAN	163	4.5	124	4.9	100	4.7	64	3.7
MAX	206	4.9	142	5.3	110	4.9	71	4.1
(TIME)	8 : 00		8 : 00		8 : 00		14 : 00	

10/29/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	110	4.7	89	3.9	73	3.8	48	3.2
2	128	3.7	95	4.2	81	3.9	50	2.9
4	163	4.6	127	4.7	107	4.5	68	3.5
6	177	4.7	140	4.6	114	4.5	75	3.8
8	180	5.1	145	5.0	112	4.7	69	3.6
10	184	4.5	138	4.8	110	4.6	69	3.7
12	142	4.8	123	5.5	105	5.1	69	3.9
14	162	4.9	129	5.0	107	5.0	66	3.9
16	135	5.3	119	5.8	99	5.4	65	4.1
18	179	6.2	143	5.6	109	5.5	68	4.0
20	166	4.5	131	4.5	107	4.7	68	3.8
22	133	3.8	108	4.3	88	4.4	58	3.6
TOTAL	1859	56.8	1487	57.9	1212	56.1	773	44.0
MEAN	155	4.7	124	4.8	101	4.7	64	3.7
MAX	184	4.5	145	5.0	114	4.5	75	3.8
(TIME)	10 : 00		8 : 00		6 : 00		6 : 00	

10/30/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	105	3.9	90	4.9	76	4.4	52	3.5
2	110	3.1	90	3.9	72	4.1	44	3.2
4	123	3.9	101	4.8	81	4.2	52	3.3
6	121	4.4	94	4.5	75	5.0	50	3.9
8	129	8.5	105	5.8	85	5.7	53	4.1
10	129	4.4	99	6.2	79	5.7	50	4.0
12	118	4.8	97	5.5	75	5.9	46	4.4
14	142	4.4	115	5.9	92	6.3	58	4.8
16	135	5.7	114	5.3	87	5.4	54	3.9
18	159	5.3	125	5.1	99	5.3	62	4.1
20	137	4.6	107	5.2	85	5.0	53	3.8
22	129	3.9	113	4.5	90	4.5	58	3.8
TOTAL	1537	56.9	1250	61.6	996	61.5	632	46.8
MEAN	128	4.7	104	5.1	83	5.1	53	3.9
MAX	159	5.3	125	5.1	99	5.3	62	4.1
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

10/30/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	117	3.9	91	4.4	73	4.5	48	3.4
2	106	8.0	93	4.2	74	4.0	49	3.2
4	112	5.3	93	4.5	77	4.5	49	3.5
6	109	3.4	94	4.9	80	5.1	53	3.9
8	133	3.5	104	5.5	85	5.8	54	4.2
10	130	5.8	100	6.2	81	5.9	51	4.1
12	116	5.2	95	6.4	75	5.7	45	4.1
14	125	4.9	107	5.8	90	6.0	58	4.8
16	154	5.4	113	5.5	87	5.4	54	3.8
18	156	7.4	120	5.2	97	5.2	61	4.0
20	128	4.3	103	5.1	84	5.1	54	4.0
22	127	4.5	104	4.8	87	4.9	58	4.0
TOTAL	1513	61.6	1217	62.5	990	62.1	634	47.0
MEAN	126	5.1	101	5.2	83	5.2	53	3.9
MAX	156	7.4	120	5.2	97	5.2	61	4.0
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/31/1984 HMEAN (CM)	TMEAN (SEC)
0	131	4.7	95	4.9	77	4.7	50	3.6
2	94	3.5	75	5.1	63	5.0	42	3.7
4	88	11.0	77	5.5	64	5.7	41	4.2
6	108	11.4	72	6.8	54	6.4	33	4.2
8	92	5.5	66	6.1	50	6.4	29	4.7
10	119	4.5	77	6.6	61	7.2	36	5.5
12	89	5.1	67	7.1	52	8.3	29	5.6
14	92	5.0	76	6.1	56	6.7	32	4.9
16	84	5.0	69	6.9	52	7.5	29	4.8
18	94	5.3	71	6.4	54	6.9	30	4.4
20	82	5.0	69	6.8	51	6.3	31	4.5
22	113	4.8	72	6.2	52	6.0	31	4.4
TOTAL	1186	70.8	886	74.5	686	77.1	413	54.5
MEAN	99	5.9	74	6.2	57	6.4	34	4.5
MAX	131	4.7	95	4.9	77	4.7	50	3.6
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	10/31/1984 HMEAN (CM)	TMEAN (SEC)
0	131	4.9	93	4.8	75	4.9	48	3.7
2	93	3.4	78	4.6	64	5.2	40	3.8
4	102	3.5	78	4.7	65	5.4	43	4.3
6	93	11.4	71	6.1	55	5.9	34	4.2
8	87	5.4	65	7.0	49	6.6	28	4.5
10	118	4.8	75	7.3	59	7.5	36	5.8
12	90	5.1	67	7.9	51	7.9	29	5.6
14	89	5.0	74	6.2	56	7.1	33	5.3
16	89	4.7	69	8.1	52	8.0	29	4.8
18	86	5.8	66	7.7	52	6.9	31	4.7
20	89	9.3	66	7.1	50	6.4	29	4.1
22	106	5.0	68	6.3	51	6.4	31	4.3
TOTAL	1173	68.3	870	77.8	679	78.2	411	55.1
MEAN	98	5.7	73	6.5	57	6.5	34	4.6
MAX	131	4.9	93	4.8	75	4.9	48	3.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0	89	5.0	70	5.4	53	5.1	31	3.8
2	87	6.1	70	4.7	59	4.8	40	4.3
4	85	6.1	78	4.6	61	4.8	37	3.9
6	91	4.3	73	5.0	58	4.9	35	3.6
8	120	5.8	87	5.3	63	6.2	38	4.4
10								
12	120	5.6	101	4.9	69	6.5	40	5.4
14	102	4.9	72	7.6	55	7.4	33	5.5
16	84	5.1	68	6.8	50	7.4	31	5.7
18	92	5.4	61	8.3	48	7.0	28	5.3
20	78	5.3	66	7.6	50	8.2	27	5.0
22	88	5.1	71	7.5	53	7.4	29	5.6
TOTAL	1036	58.7	817	67.7	619	69.7	369	52.5
MEAN	94	5.3	74	6.2	56	6.3	34	4.8
MAX	120	5.8	101	4.9	69	6.5	40	4.3
(TIME)	8 : 00		12 : 00		12 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0	84	4.7	66	5.0	52	5.5	32	4.2
2	84	2.9	69	5.0	58	4.8	39	4.0
4	94	4.6	76	4.9	60	4.2	37	3.7
6	94	4.5	75	5.2	59	4.9	37	3.9
8	127	6.2	81	5.8	61	5.9	36	4.2
10								
12	120	4.9	102	5.1	70	6.5	41	5.4
14	96	10.6	67	9.0	51	7.5	30	5.6
16	95	5.0	71	7.1	51	7.3	31	5.6
18	85	5.1	62	9.3	49	7.5	29	5.7
20	75	8.5	64	7.7	50	8.2	28	5.5
22	83	5.5	73	6.8	54	7.8	30	6.0
TOTAL	1037	62.5	806	70.9	615	70.1	370	53.8
MEAN	94	5.7	73	6.4	56	6.4	34	4.9
MAX	127	6.2	102	5.1	70	6.5	41	5.4
(TIME)	8 : 00		12 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0	90	4.6	71	5.6	56	7.0	32	5.3
2	74	4.7	60	6.1	44	6.2	27	4.7
4	88	4.1	64	5.5	49	5.8	30	4.9
6	83	4.4	64	5.1	47	6.2	28	4.8
8	82	4.4	55	5.8	40	5.6	23	3.8
10	119	4.7	78	4.1	62	4.1	40	3.3
12	144	4.7	106	4.3	81	4.2	50	3.4
14	132	4.5	105	4.6	80	4.9	46	3.3
16	114	3.0	94	4.9	77	4.5	47	3.5
18								
20								
22								
TOTAL	926	39.1	697	46.0	536	48.5	323	37.0
MEAN	103	4.3	77	5.1	60	5.4	36	4.1
MAX	144	4.7	106	4.3	81	4.2	50	3.4
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0	83	4.7	69	6.7	54	7.3	32	5.3
2	72	5.3	60	5.8	45	6.4	28	5.1
4	86	4.3	66	6.1	51	6.6	31	5.4
6	85	4.5	65	4.8	45	5.8	27	4.7
8	69	4.8	52	6.5	40	6.1	23	3.9
10	117	4.6	79	4.1	61	3.9	40	3.2
12	147	4.2	110	4.7	83	4.3	50	3.3
14	129	3.8	108	4.8	81	5.1	49	3.5
16	132	4.0	103	4.6	81	4.5	50	3.6
18								
20								
22								
TOTAL	920	40.2	712	48.1	541	50.0	330	38.0
MEAN	102	4.5	79	5.3	60	5.6	37	4.2
MAX	147	4.2	110	4.7	83	4.3	50	3.3
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 3/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	50	10.6	39	7.2	31	5.7	19	3.6
20	50	6.0	40	6.7	30	5.7	18	3.5
22	48	6.3	40	7.2	31	6.5	19	4.1
TOTAL	148	22.9	119	21.1	92	17.9	56	11.2
MEAN	49	7.6	40	7.0	31	6.0	19	3.7
MAX	50	10.6	40	6.7	31	5.7	19	3.6
(TIME)	18 : 00		20 : 00		18 : 00		18 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 3/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	54	9.5	38	6.5	28	5.1	18	3.4
20	53	5.4	40	7.8	30	6.0	18	3.9
22	52	8.6	39	8.0	31	6.6	19	4.3
TOTAL	159	23.5	117	22.3	89	17.7	55	11.6
MEAN	53	7.8	39	7.4	30	5.9	18	3.9
MAX	54	9.5	40	7.8	31	6.6	19	4.3
(TIME)	18 : 00		20 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 4/1984 HMEAN (CM)	TMEAN (SEC)
0	61	8.7	49	6.0	38	5.1	24	3.3
2	78	5.4	53	6.3	40	5.1	26	3.6
4	70	4.6	50	5.3	41	4.5	25	3.2
6	64	4.6	51	4.8	39	4.5	24	3.2
8	85	3.9	56	4.5	44	4.6	28	3.6
10	61	5.1	48	6.3	40	4.8	25	3.2
12	69	4.4	52	5.9	42	4.9	26	3.3
14	72	5.2	53	5.2	43	5.0	26	3.6
16	79	6.8	58	5.3	47	4.8	29	3.3
18	68	4.5	53	6.5	42	5.2	25	3.5
20	64	9.2	50	5.1	40	4.6	25	3.3
22	74	9.1	52	6.5	41	5.4	24	3.4
TOTAL	845	71.5	625	67.7	497	58.5	307	40.5
MEAN	70	6.0	52	5.6	41	4.9	26	3.4
MAX	85	3.9	58	5.3	47	4.8	29	3.3
(TIME)	8 : 00		16 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 4/1984 HMEAN (CM)	TMEAN (SEC)
0	64	5.7	50	6.6	39	4.8	24	3.4
2	76	5.3	55	6.0	43	5.1	27	3.5
4	65	4.3	52	5.9	40	5.2	25	3.5
6	65	4.3	51	4.6	40	4.4	25	3.3
8	76	3.3	56	4.5	43	4.6	27	3.5
10	59	5.5	49	4.7	41	4.5	26	3.1
12	72	5.0	57	5.2	44	4.9	27	3.2
14	68	4.8	51	5.6	40	5.0	24	3.5
16	70	7.8	55	6.4	45	5.1	29	3.5
18	74	8.9	52	6.5	40	5.3	26	3.8
20	59	4.3	48	5.7	39	5.4	24	4.0
22	78	11.7	53	8.0	43	6.6	27	4.5
TOTAL	826	70.9	629	69.7	497	60.9	311	42.8
MEAN	69	5.9	52	5.8	41	5.1	26	3.6
MAX	78	11.7	57	5.2	45	5.1	29	3.5
(TIME)	22 : 00		12 : 00		16 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 5/1984 HMEAN (CM)	TMEAN (SEC)
0	79	5.7	67	6.8	57	6.2	34	4.6
2	100	6.7	85	6.0	67	5.8	42	4.6
4	109	5.0	83	5.0	64	5.6	39	4.4
6	94	4.4	76	5.3	63	5.5	41	4.4
8	82	4.2	67	5.9	56	5.4	35	4.2
10	87	5.6	79	5.8	62	5.7	38	4.2
12	97	5.6	80	5.2	64	5.8	38	4.5
14	90	9.4	73	6.6	59	6.2	36	4.8
16	109	4.8	79	7.0	60	6.7	36	4.7
18	106	4.4	79	5.5	58	5.5	34	3.7
20	89	4.2	72	5.0	60	5.2	38	4.3
22	103	5.2	73	5.9	58	5.8	34	4.1
TOTAL	1145	65.2	913	70.0	728	69.4	445	52.5
MEAN	95	5.4	76	5.8	61	5.8	37	4.4
MAX	109	5.0	85	6.0	67	5.8	42	4.6
(TIME)	4 : 00		2 : 00		2 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 5/1984 HMEAN (CM)	TMEAN (SEC)
0	74	6.1	64	6.7	54	6.2	33	4.8
2	109	5.5	81	5.7	65	6.1	41	4.7
4	97	4.8	76	4.8	59	5.7	36	4.4
6	78	8.4	70	5.2	57	5.4	38	4.4
8	87	10.2	69	6.4	54	5.7	34	4.3
10	84	5.9	74	5.7	59	5.8	39	4.6
12	88	5.8	74	6.0	60	5.6	38	4.7
14	91	5.5	74	5.9	57	6.3	35	4.8
16	102	5.1	73	6.8	58	7.1	35	4.8
18	99	6.0	77	5.9	61	5.7	36	4.4
20	86	5.0	72	6.0	58	5.7	37	4.4
22	92	5.1	71	6.2	57	6.1	35	4.4
TOTAL	1087	73.4	875	71.3	699	71.4	437	54.7
MEAN	91	6.1	73	5.9	58	5.9	36	4.6
MAX	109	5.5	81	5.7	65	6.1	41	4.7
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	94	5.6	78	5.5	64	6.0	38	4.5
2	114	8.2	90	6.7	71	6.5	43	5.3
4	119	5.2	90	6.5	69	6.7	41	4.9
6	98	4.4	76	6.2	62	6.0	38	4.4
8	87	4.3	71	5.6	60	5.5	39	4.3
10	83	4.7	72	4.5	59	5.4	35	4.1
12	93	4.6	75	6.4	56	6.3	34	4.9
14	82	9.7	65	7.2	52	6.7	29	4.2
16	92	10.6	66	7.7	51	6.6	30	4.2
18	106	4.7	71	5.5	53	5.4	31	3.8
20	94	3.9	67	5.4	52	5.2	32	3.7
22	77	4.7	62	5.3	50	4.9	32	3.9
TOTAL	1139	70.6	883	72.5	699	71.2	422	52.2
MEAN	95	5.9	74	6.0	58	5.9	35	4.3
MAX	119	5.2	90	6.7	71	6.5	43	5.3
(TIME)	4 : 00		2 : 00		2 : 00		2 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	95	5.3	73	6.2	61	5.9	37	4.7
2	106	5.7	85	6.2	67	6.6	41	5.1
4	113	6.0	84	6.7	66	7.1	39	4.9
6	93	4.6	74	6.2	60	5.9	39	4.6
8	81	4.6	70	5.0	57	5.2	38	4.3
10	81	4.6	72	4.8	58	4.9	35	4.1
12	78	5.2	69	6.4	53	6.1	31	4.5
14	96	5.3	65	7.1	51	6.7	28	4.0
16	93	5.4	64	7.0	51	6.7	31	4.5
18	95	4.9	71	5.2	53	5.8	32	4.2
20	94	4.5	68	4.3	54	4.4	33	3.7
22	66	10.0	59	5.4	50	5.2	33	4.0
TOTAL	1091	66.1	854	70.5	681	70.5	417	52.6
MEAN	91	5.5	71	5.9	57	5.9	35	4.4
MAX	113	6.0	85	6.2	67	6.6	41	5.1
(TIME)	4 : 00		2 : 00		2 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	93	5.0	68	6.0	56	6.8	35	4.5
2	104	5.3	81	6.7	62	6.8	38	5.0
4	88	5.2	70	6.8	55	6.3	33	4.9
6	120	4.6	88	5.8	68	6.8	40	5.4
8	97	3.8	77	6.0	61	5.7	35	4.0
10	101	5.1	82	5.1	65	5.5	40	4.3
12	110	4.5	97	5.5	76	6.7	46	5.3
14	114	5.2	95	6.9	73	6.5	43	4.8
16	125	4.7	98	7.6	73	7.4	46	5.6
18	106	5.5	86	6.4	70	6.2	43	4.8
20	95	4.9	85	4.9	72	5.0	44	4.4
22	95	3.6	82	4.1	68	4.5	42	4.0
TOTAL	1248	57.4	1009	71.8	799	74.2	485	57.0
MEAN	104	4.8	84	6.0	67	6.2	40	4.7
MAX	125	4.7	98	7.6	76	6.7	46	5.3
(TIME)	16 : 00		16 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	89	4.5	72	6.0	58	6.7	37	4.8
2	102	5.4	77	5.5	59	6.7	38	4.8
4	83	4.9	68	5.9	54	6.5	33	4.9
6	124	4.5	86	6.0	65	5.9	39	4.8
8	95	4.5	74	6.4	60	6.1	38	4.4
10	111	5.0	92	5.2	69	5.7	43	4.4
12	108	4.0	97	5.6	75	6.9	47	5.3
14	110	4.3	87	6.9	68	6.6	40	4.7
16	117	4.5	89	7.2	69	6.3	42	4.9
18	95	5.1	84	6.6	68	6.4	42	4.9
20	102	4.5	87	4.2	71	4.5	44	4.2
22	98	4.1	82	4.3	70	4.6	45	4.0
TOTAL	1234	55.3	995	69.8	786	72.9	488	56.1
MEAN	103	4.6	83	5.8	66	6.1	41	4.7
MAX	124	4.5	97	5.6	75	6.9	47	5.3
(TIME)	6 : 00		12 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	113	4.2	99	4.4	83	5.2	51	4.9
2	165	6.0	120	5.7	93	6.4	55	5.1
4	148	8.2	125	6.6	98	7.0	57	5.5
6	133	5.2	111	5.7	89	6.5	57	5.4
8	146	4.6	113	5.4	92	5.6	57	4.9
10	105	9.7	93	5.9	72	5.5	42	4.7
12	107	4.5	88	7.7	69	6.9	42	5.2
14	103	4.9	75	7.1	58	7.2	33	4.8
16	122	4.4	100	6.9	76	7.3	45	5.3
18	106	5.4	82	5.2	63	5.4	38	4.2
20	93	3.6	77	4.3	61	5.1	37	3.8
22	89	5.2	78	4.9	64	4.7	40	4.2
TOTAL	1430	65.9	1161	69.8	918	72.8	554	58.0
MEAN	119	5.5	97	5.8	77	6.1	46	4.8
MAX	165	6.0	125	6.6	98	7.0	57	5.5
(TIME)	2 : 00		4 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	130	3.8	97	4.6	79	5.0	49	4.5
2	150	4.3	117	6.1	91	6.4	52	4.8
4	132	5.2	117	6.3	92	7.0	55	5.3
6	130	4.3	108	6.6	85	6.9	55	5.3
8	145	4.5	113	5.8	91	5.5	56	4.7
10	127	3.9	91	5.3	72	5.4	42	4.5
12	104	4.4	87	7.0	69	7.3	42	5.4
14	95	5.4	76	8.2	56	7.8	33	5.0
16	113	6.2	93	6.6	72	7.1	43	5.0
18	112	5.4	84	5.9	64	6.0	40	4.5
20	92	4.2	79	4.7	62	5.3	39	4.2
22	94	4.6	81	4.7	63	4.5	39	3.8
TOTAL	1424	56.2	1143	71.8	896	74.2	545	57.0
MEAN	119	4.7	95	6.0	75	6.2	45	4.7
MAX	150	4.3	117	6.1	92	7.0	56	4.7
(TIME)	2 : 00		2 : 00		4 : 00		8 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	93	3.9	82	4.7	63	5.4	38	4.8
2	109	4.8	82	6.6	62	7.1	35	5.1
4	135	5.1	98	6.5	72	7.4	42	5.6
6	109	5.8	83	9.0	61	8.1	38	6.2
8	94	4.2	72	7.4	56	7.4	35	5.8
10	114	4.2	78	5.0	60	6.1	36	4.9
12	125	4.6	90	5.5	65	6.8	37	5.3
14	98	5.1	80	7.0	57	6.9	31	5.1
16	95	10.8	80	8.8	59	8.5	33	5.8
18	86	4.6	72	7.0	52	7.4	31	5.0
20	104	5.2	83	4.5	63	5.2	37	4.4
22	70	4.3	57	5.6	45	5.0	27	3.7
TOTAL	1232	62.6	957	77.6	715	81.3	420	61.7
MEAN	103	5.2	80	6.5	60	6.8	35	5.1
MAX	135	5.1	98	6.5	72	7.4	42	5.6
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	101	3.9	84	5.0	62	5.3	38	4.4
2	111	4.8	79	6.0	61	6.8	35	4.9
4	129	5.4	97	6.6	70	7.1	41	5.5
6	102	8.9	79	9.6	60	8.6	37	6.3
8	96	4.4	70	6.9	57	7.8	35	5.7
10	101	4.4	75	4.8	58	6.4	35	4.9
12	124	4.6	93	6.2	66	6.6	39	5.4
14	100	5.1	80	7.4	57	7.3	32	5.4
16	92	10.7	79	9.1	61	8.7	34	5.9
18	90	4.8	72	7.4	54	7.7	31	5.4
20	103	5.1	78	4.7	60	5.0	35	4.0
22	74	4.2	55	5.2	43	4.9	26	3.8
TOTAL	1223	66.3	941	78.9	709	82.2	418	61.6
MEAN	102	5.5	78	6.6	59	6.8	35	5.1
MAX	129	5.4	97	6.6	70	7.1	41	5.5
(TIME)	4 : 00		4 : 00		4 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/10/1984 HMEAN (CM)	TMEAN (SEC)
0	85	3.5	70	4.5	55	4.7	34	3.6
2	136	3.8	114	4.2	95	4.2	62	3.4
4	169	6.0	138	5.1	114	4.7	75	3.9
6	190	7.5	159	6.0	129	5.2	88	4.4
8	192	4.0	151	5.6	122	5.5	76	4.2
10	173	6.0	134	5.0	107	5.2	68	4.0
12	133	4.2	124	4.4	106	4.6	65	3.7
14								
16	176	3.7	144	5.3	107	5.8	65	4.3
18	127	5.4	108	6.2	84	5.7	53	4.3
20	123	5.1	106	4.8	87	4.8	55	3.8
22	105	5.1	78	4.3	65	4.6	42	3.5
TOTAL	1609	54.3	1326	55.4	1071	55.0	683	43.1
MEAN	146	4.9	121	5.0	97	5.0	62	3.9
MAX	192	4.0	159	6.0	129	5.2	88	4.4
(TIME)	8 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/10/1984 HMEAN (CM)	TMEAN (SEC)
0	92	3.7	74	4.1	57	4.3	35	3.4
2	169	4.1	118	4.2	94	4.2	60	3.4
4	198	4.8	140	5.0	113	4.9	74	4.0
6	178	5.0	161	5.6	135	5.2	85	4.4
8	163	7.1	143	5.4	119	5.3	75	4.2
10	187	5.5	138	5.0	111	4.9	68	3.9
12	135	5.5	121	5.1	105	5.1	70	4.2
14								
16	168	4.7	137	5.7	105	5.4	65	4.2
18	127	5.9	104	6.5	85	5.7	53	4.1
20	122	5.5	100	5.4	82	5.1	50	3.8
22	116	5.6	86	4.4	70	4.7	46	3.6
TOTAL	1655	57.4	1322	56.4	1076	54.8	681	43.2
MEAN	151	5.2	120	5.1	98	5.0	62	3.9
MAX	198	4.8	161	5.6	135	5.2	85	4.4
(TIME)	4 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/11/1984 HMEAN (CM)	TMEAN (SEC)
0	120	3.7	85	5.1	67	5.0	42	3.8
2	133	8.1	85	6.4	64	5.5	39	4.3
4	123	4.9	87	6.0	73	6.0	46	4.6
6	160	5.3	118	6.1	95	6.2	59	5.2
8	125	5.4	110	5.6	87	6.0	53	4.9
10	151	6.9	117	6.1	98	6.2	59	4.9
12								
14	123	4.9	97	6.3	77	5.9	47	4.7
16	117	8.6	90	7.1	70	6.6	42	4.7
18	163	4.0	139	5.9	112	6.1	64	4.6
20	204	4.8	136	5.1	101	4.8	57	3.9
22	168	3.8	96	4.9	75	4.2	48	3.6
TOTAL	1587	60.4	1160	64.6	919	62.5	556	49.2
MEAN	144	5.5	106	5.9	84	5.7	51	4.5
MAX	204	4.8	139	5.9	112	6.1	64	4.6
(TIME)	20 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/11/1984 HMEAN (CM)	TMEAN (SEC)
0	94	8.0	84	5.7	68	5.1	42	3.8
2	100	5.7	79	6.1	63	5.7	39	4.4
4	121	4.6	87	5.9	71	6.1	47	4.7
6	155	5.5	111	6.2	89	6.2	55	5.0
8	128	5.3	107	5.5	83	6.0	51	4.9
10	128	5.7	112	5.9	93	5.9	56	4.7
12								
14	116	5.0	93	6.1	74	5.9	46	4.7
16	106	8.6	85	7.4	69	6.9	40	4.6
18	164	5.3	137	5.8	109	6.0	62	4.3
20	203	6.5	118	5.1	95	4.9	59	3.9
22	131	3.5	95	4.2	79	4.4	50	3.6
TOTAL	1446	63.7	1108	63.9	893	63.1	547	48.6
MEAN	132	5.8	101	5.8	81	5.7	50	4.4
MAX	203	6.5	137	5.8	109	6.0	62	4.3
(TIME)	20 : 00		18 : 00		18 : 00		18 : 00	

NO-1	11/12/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	96	4.7	77	4.9	66	4.8	42	3.7
2	119	4.0	92	5.1	73	5.4	46	4.0
4	125	4.5	85	6.3	68	5.5	42	4.1
6	114	7.9	91	6.2	71	6.1	44	4.7
8	107	11.7	86	6.1	68	6.4	43	5.0
10	95	4.9	86	4.6	69	4.8	44	3.8
12	135	4.3	95	5.0	77	5.0	49	3.9
14	141	4.5	119	5.2	98	5.2	62	4.0
16	113	6.4	97	5.7	79	5.7	48	3.9
18	112	9.7	94	7.4	77	6.1	50	4.5
20	144	4.1	96	4.8	73	5.4	44	4.1
22	106	7.7	92	4.6	76	4.8	47	3.8
TOTAL	1407	74.4	1110	65.9	895	65.2	561	49.5
MEAN	117	6.2	93	5.5	75	5.4	47	4.1
MAX	144	4.1	119	5.2	98	5.2	62	4.0
(TIME)	20 : 00		14 : 00		14 : 00		14 : 00	

NO.2	11/12/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	91	3.8	76	5.1	64	4.6	43	3.6
2	141	6.2	95	5.2	75	5.1	47	3.8
4	111	4.6	84	5.6	70	5.5	46	4.4
6	113	7.9	90	6.7	70	6.1	44	4.7
8	97	10.0	84	6.3	66	6.4	43	4.7
10	113	6.3	83	5.1	68	4.9	45	3.8
12	144	7.5	100	5.0	79	5.4	50	4.0
14	156	4.1	118	5.0	96	4.9	59	3.9
16	106	6.2	97	5.4	80	5.6	49	3.9
18	121	7.8	97	6.5	77	5.7	49	4.3
20	138	4.3	97	4.9	77	5.9	49	4.7
22	105	7.6	90	4.7	78	4.9	51	3.9
TOTAL	1436	76.3	1111	65.5	900	65.0	575	49.7
MEAN	120	6.4	93	5.5	75	5.4	48	4.1
MAX	156	4.1	118	5.0	96	4.9	59	3.9
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	11/13/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	115	3.2	94	4.0	77	4.4	48	3.4
2	132	3.4	102	4.0	82	4.3	52	3.4
4	103	4.9	88	5.4	75	5.7	47	4.1
6	145	4.6	117	5.4	85	5.8	50	4.3
8	100	7.5	87	6.2	70	6.0	42	4.6
10								
12								
14	109	5.5	84	6.4	65	5.6	40	4.0
16	111	5.4	88	5.4	68	5.3	42	4.0
18	103	4.6	73	5.6	57	5.3	35	3.9
20	85	4.2	74	5.6	60	5.6	37	4.4
22	76	4.1	64	4.4	51	5.0	34	4.2
TOTAL	1079	47.4	871	52.4	690	53.0	427	40.3
MEAN	108	4.7	87	5.2	69	5.3	43	4.0
MAX	145	4.6	117	5.4	85	5.8	52	3.4
(TIME)	6 : 00		6 : 00		6 : 00		2 : 00	

TIME	11/13/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	128	3.1	92	4.6	74	4.1	47	3.3
2	130	2.7	100	3.8	81	4.2	53	3.6
4	104	6.7	88	5.3	76	5.4	50	4.4
6	135	4.6	116	5.6	88	5.6	53	4.4
8	100	4.8	90	6.6	71	6.0	44	4.6
10								
12								
14	111	5.7	85	6.3	66	5.4	41	4.0
16	127	4.9	89	5.4	68	5.4	42	4.0
18	93	4.7	76	5.4	59	5.6	38	4.1
20	94	4.7	73	4.9	60	5.7	39	4.5
22	81	4.9	64	5.1	51	4.8	34	4.0
TOTAL	1103	46.8	873	53.0	694	52.2	441	40.9
MEAN	110	4.7	87	5.3	69	5.2	44	4.1
MAX	135	4.6	116	5.6	88	5.6	53	3.6
(TIME)	6 : 00		6 : 00		6 : 00		2 : 00	

TIME	11/14/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	74	5.3	60	4.3	48	4.3	32	3.6
2	58	3.8	51	4.2	43	4.8	28	4.1
4	60	5.2	50	6.8	42	6.1	26	4.4
6	83	5.9	69	4.8	56	4.6	35	3.6
8	96	4.7	69	4.8	56	5.1	35	3.8
10	99	4.1	78	4.5	64	4.5	42	3.9
12	130	4.1	92	4.8	76	4.8	49	3.9
14	101	5.9	85	5.2	68	5.6	42	4.3
16								
18								
20								
22								
TOTAL	701	39.0	554	39.4	453	39.8	289	31.6
MEAN	88	4.9	69	4.9	57	5.0	36	3.9
MAX	130	4.1	92	4.8	76	4.8	49	3.9
(TIME)	12 : 00		12 : 00		12 : 00		12 : 00	

TIME	11/14/1984							
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	75	3.4	61	4.3	50	4.3	32	3.7
2	70	3.1	54	4.0	43	4.9	27	3.9
4	70	4.2	50	6.4	42	5.8	27	4.4
6	97	4.3	76	4.1	60	4.7	39	3.8
8	114	4.3	72	6.4	58	5.5	36	3.9
10	105	4.6	83	4.5	66	4.6	42	3.8
12	104	5.1	94	4.9	79	5.2	51	4.0
14	106	4.8	89	4.9	70	5.3	43	4.1
16								
18								
20								
22								
TOTAL	741	33.8	579	39.5	468	40.3	297	31.6
MEAN	93	4.2	72	4.9	59	5.0	37	3.9
MAX	114	4.3	94	4.9	79	5.2	51	4.0
(TIME)	8 : 00		12 : 00		12 : 00		12 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/15/1984	
							HMEAN (CM)	TMEAN (SEC)
0								
2								
4	96	4.2	70	4.9	58	5.1	37	4.3
6	94	4.4	69	6.3	53	5.8	31	3.9
8	94	9.2	75	6.7	59	5.9	35	3.9
10	141	3.9	110	4.2	85	4.8	55	3.6
12	188	4.6	157	6.5	115	5.6	67	4.4
14	175	4.5	151	6.8	126	5.8	76	4.4
16	234	6.9	173	5.7	142	5.4	89	4.3
18	212	4.7	186	5.7	150	5.8	93	4.7
20	217	5.2	173	5.0	139	5.2	84	4.1
22	194	7.7	168	6.5	135	5.6	83	4.3
TOTAL	1645	55.3	1332	58.3	1062	55.0	650	41.9
MEAN	165	5.5	133	5.8	106	5.5	65	4.2
MAX	234	6.9	186	5.7	150	5.8	93	4.7
(TIME)	16 : 00		18 : 00		18 : 00		18 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/15/1984	
							HMEAN (CM)	TMEAN (SEC)
0								
2								
4	83	5.8	70	4.8	57	5.0	36	4.1
6	85	4.2	67	6.3	52	6.1	31	4.1
8	80	5.9	73	5.9	58	5.8	35	3.9
10	128	5.0	105	4.5	86	4.3	53	3.3
12	194	7.8	144	6.4	111	5.7	67	4.5
14	175	7.3	161	6.2	131	5.4	78	4.3
16	188	7.4	167	6.1	137	5.4	84	4.2
18	223	7.6	175	5.4	145	5.5	89	4.3
20	198	4.9	172	5.3	141	5.2	89	4.4
22	227	6.3	178	5.5	141	5.1	88	4.3
TOTAL	1581	62.2	1312	56.4	1059	53.5	650	41.4
MEAN	158	6.2	131	5.6	106	5.3	65	4.1
MAX	227	6.3	178	5.5	145	5.5	89	4.3
(TIME)	22 : 00		22 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/16/1984	
							HMEAN (CM)	TMEAN (SEC)
0	165	4.8	127	5.6	106	5.0	65	3.7
2	133	3.3	109	4.5	89	4.4	56	3.6
4	140	4.7	112	5.0	88	4.7	54	3.7
6	186	8.7	151	5.9	118	5.6	73	4.4
8	205	4.8	170	6.9	141	6.0	87	4.9
10	208	8.7	180	6.7	150	6.3	93	5.1
12	194	6.5	162	6.0	137	6.0	86	4.8
14	231	9.4	178	7.0	140	6.3	86	5.1
16								
18	191	4.9	158	5.7	122	5.8	75	4.8
20	213	5.0	149	5.5	117	5.9	74	4.7
22								
TOTAL	1866	60.8	1496	58.8	1208	56.0	749	44.8
MEAN	187	6.1	150	5.9	121	5.6	75	4.5
MAX	231	9.4	180	6.7	150	6.3	93	5.1
(TIME)	14 : 00		10 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/16/1984	
							HMEAN (CM)	TMEAN (SEC)
0	172	4.4	138	4.8	108	5.1	66	4.0
2	152	8.3	118	5.0	93	4.7	59	3.9
4	170	3.7	123	5.4	97	4.8	60	3.8
6	185	8.2	155	6.4	128	5.9	79	4.6
8	210	4.5	179	6.9	142	6.1	86	4.7
10	192	4.9	184	6.9	159	6.5	102	5.6
12	171	9.0	154	6.5	134	6.2	86	4.9
14	183	6.0	164	8.0	139	6.4	88	5.2
16								
18	167	8.7	143	6.7	120	6.6	74	4.8
20	155	4.9	140	5.5	114	5.9	70	4.6
22								
TOTAL	1757	62.6	1498	62.1	1234	58.2	770	46.1
MEAN	176	6.3	150	6.2	123	5.8	77	4.6
MAX	210	4.5	184	6.9	159	6.5	102	5.6
(TIME)	8 : 00		10 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/17/1984	
							HMEAN (CM)	TMEAN (SEC)
0	215	6.6	144	5.2	109	5.3	66	4.2
2	147	4.7	107	4.5	90	4.9	58	4.2
4	118	4.3	105	4.4	87	4.8	54	4.0
6	118	4.1	99	4.9	80	5.1	51	4.5
8								
10								
12								
14								
16								
18	155	9.2	122	6.2	94	6.5	55	5.3
20	141	10.6	112	6.3	87	6.3	50	5.1
22	117	7.3	101	6.5	76	7.4	44	5.4
TOTAL	1011	46.8	790	38.0	623	40.3	378	32.7
MEAN	144	6.7	113	5.4	89	5.8	54	4.7
MAX	215	6.6	144	5.2	109	5.3	66	4.2
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/17/1984	
							HMEAN (CM)	TMEAN (SEC)
0	213	5.6	154	5.4	118	5.5	71	4.7
2	147	5.0	111	4.7	90	4.9	56	4.0
4	130	4.1	108	5.6	85	5.2	52	4.1
6	117	4.1	99	5.4	79	5.8	50	4.7
8								
10								
12								
14								
16								
18	129	9.1	116	6.7	97	6.8	60	5.8
20	140	10.4	116	6.0	89	6.7	50	5.3
22	129	4.9	109	6.7	81	7.2	46	5.6
TOTAL	1005	43.2	813	40.5	639	42.1	385	34.2
MEAN	144	6.2	116	5.8	91	6.0	55	4.9
MAX	213	5.6	154	5.4	118	5.5	71	4.7
(TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/18/1984 HMEAN TMEAN (CM) (SEC)	
0	102	5.6	89	6.6	71	7.4	44	6.1
2	117	5.2	98	6.0	74	7.2	41	4.9
4	112	4.6	98	5.2	80	5.9	46	4.9
6	109	4.3	85	5.5	63	6.3	36	4.7
8	142	9.9	106	5.8	75	5.5	42	4.0
10	147	4.6	125	4.2	105	4.5	66	3.7
12	190	10.6	157	6.0	126	5.4	84	4.3
14	189	4.0	162	4.6	134	5.3	81	4.2
16	176	4.6	148	5.3	121	5.2	75	4.2
18	162	4.7	126	5.0	106	5.0	68	3.9
20	161	5.9	130	4.8	104	5.0	66	3.8
22	154	4.3	130	5.1	102	5.2	63	4.1
TOTAL	1761	68.3	1454	64.1	1161	67.9	712	52.8
MEAN	147	5.7	121	5.3	97	5.7	59	4.4
MAX	190	10.6	162	4.6	134	5.3	84	4.3
(TIME)	12 : 00		14 : 00		14 : 00		12 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/18/1984 HMEAN TMEAN (CM) (SEC)	
0	103	9.2	89	6.1	71	7.0	42	5.6
2	110	5.7	97	6.1	75	7.5	44	5.5
4	122	4.1	96	5.4	77	6.3	45	4.9
6	113	4.6	80	5.0	61	6.0	35	4.5
8	122	3.8	97	5.8	73	5.6	43	4.2
10	182	4.2	126	4.3	105	4.5	69	3.8
12	187	7.2	147	4.9	125	5.0	83	4.2
14	180	4.1	158	5.4	130	5.2	84	4.4
16	180	4.2	148	5.8	121	5.4	78	4.3
18	180	4.2	144	4.8	116	5.2	71	4.1
20	172	3.8	132	4.8	105	5.0	66	4.0
22	206	5.7	132	5.1	106	5.2	67	4.1
TOTAL	1857	60.8	1446	63.5	1165	67.9	727	53.6
MEAN	155	5.1	121	5.3	97	5.7	61	4.5
MAX	206	5.7	158	5.4	130	5.2	84	4.4
(TIME)	22 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/19/1984 HMEAN TMEAN (CM) (SEC)	
0								
2	158	4.9	125	4.8	107	5.3	67	4.0
4	155	4.3	125	4.6	103	4.7	64	3.7
6	144	4.9	124	4.6	101	4.8	65	3.8
8	161	4.0	124	4.8	99	4.6	63	3.7
10								
12	190	6.5	153	5.3	126	5.2	77	4.1
14	186	5.3	155	5.4	119	5.1	72	3.9
16	195	4.4	155	5.2	126	5.1	82	4.1
18	160	3.7	137	5.4	112	5.5	72	4.1
20	202	3.8	140	5.0	114	4.9	71	3.9
22	223	4.3	158	5.2	130	5.4	82	4.3
TOTAL	1774	46.1	1396	50.3	1137	50.6	715	39.6
MEAN	177	4.6	140	5.0	114	5.1	72	4.0
MAX	223	4.3	158	5.2	130	5.4	82	4.1
(TIME)	22 : 00		22 : 00		22 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/19/1984 HMEAN TMEAN (CM) (SEC)	
0								
2	152	4.2	129	5.3	108	5.5	67	4.0
4	188	3.7	123	4.5	103	4.8	65	3.8
6	129	4.2	119	4.9	98	4.9	62	3.8
8	170	3.7	122	4.4	101	4.5	65	3.8
10								
12	175	4.1	150	5.2	127	5.2	81	4.2
14	217	5.2	151	5.2	118	5.5	70	4.0
16	180	5.2	158	5.4	132	5.4	85	4.4
18	169	6.6	149	5.8	122	5.6	76	4.4
20	150	4.2	137	5.0	120	5.1	77	4.1
22	197	5.1	177	5.1	146	5.4	90	4.4
TOTAL	1727	46.2	1415	50.8	1175	51.9	738	40.9
MEAN	173	4.6	142	5.1	118	5.2	74	4.1
MAX	217	5.2	177	5.1	146	5.4	90	4.4
(TIME)	14 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/20/1984 HMEAN TMEAN (CM) (SEC)	
0	221	5.0	175	5.5	142	5.6	91	4.4
2	261	7.0	199	5.5	156	5.7	94	4.4
4	234	7.4	193	5.7	148	5.8	89	4.5
6	287	1.4	191	6.0	150	5.7	86	4.3
8	192	4.8	155	5.6	128	5.4	77	4.3
10	292	7.1	201	6.3	153	5.6	90	4.6
12	251	7.6	213	8.0	176	7.8	108	5.8
14	248	3.5	220	5.8	184	5.6	110	4.8
16	308	12.5	224	6.4	180	6.1	111	5.3
18	200	3.2	180	5.5	141	5.5	89	4.9
20	214	5.9	156	6.0	117	5.7	68	4.5
22	237	8.6	170	7.8	135	6.5	83	5.4
TOTAL	2945	74.0	2277	74.1	1810	71.0	1096	57.2
MEAN	245	6.2	190	6.2	151	5.9	91	4.8
MAX	308	12.5	224	6.4	184	5.6	111	5.3
(TIME)	16 : 00		16 : 00		14 : 00		16 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/20/1984 HMEAN TMEAN (CM) (SEC)	
0	184	6.7	170	5.8	144	6.0	93	4.6
2	219	8.5	192	6.7	158	6.1	101	4.9
4	220	7.3	192	5.9	153	6.1	92	4.7
6	219	7.1	179	7.2	146	6.2	90	4.7
8	220	4.1	173	6.2	139	5.9	82	4.7
10	206	10.7	182	8.0	155	6.7	96	5.1
12	254	11.4	202	8.5	167	7.1	99	5.3
14	245	3.5	218	6.0	180	5.7	112	4.8
16	263	4.0	218	5.9	179	5.9	109	5.2
18	224	4.3	186	5.9	147	5.5	92	5.3
20	181	4.2	153	4.5	119	5.7	74	4.9
22	223	8.0	170	6.8	137	6.2	82	5.0
TOTAL	2658	79.8	2235	77.4	1824	73.1	1122	59.2
MEAN	222	6.6	186	6.4	152	6.1	94	4.9
MAX	263	4.0	218	6.0	180	5.7	112	4.8
(TIME)	16 : 00		14 : 00		14 : 00		14 : 00	

11/21/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	220	4.3	186	7.3	147	6.2	91	5.2
2	271	9.6	217	5.8	176	6.0	106	5.2
4	222	8.8	191	8.4	157	6.9	97	5.5
6	219	8.4	177	7.0	140	6.0	85	4.9
8	233	8.1	184	5.0	141	5.4	85	4.5
10	223	4.1	183	5.6	142	5.6	88	5.0
12	250	9.4	198	6.4	161	6.4	100	5.5
14	207	7.9	181	6.9	159	7.4	101	5.8
16	212	10.1	162	8.2	129	6.9	76	5.1
18	220	8.9	160	6.9	123	6.4	74	5.1
20	135	4.1	113	5.6	94	5.7	59	4.5
22	172	5.9	139	5.6	108	5.7	68	4.5
TOTAL	2584	89.6	2091	78.7	1677	74.6	1030	60.8
MEAN	215	7.5	174	6.6	140	6.2	86	5.1
MAX	271	9.6	217	5.8	176	6.0	106	5.2
(TIME)	2 : 00		2 : 00		2 : 00		2 : 00	

11/21/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	203	9.7	179	4.6	149	6.1	93	5.3
2	222	4.4	201	5.4	169	5.8	106	5.2
4	228	13.1	199	7.6	160	6.6	99	5.8
6	202	11.3	184	6.3	150	6.2	95	5.3
8	208	5.9	177	5.4	143	5.3	87	4.7
10	213	4.5	172	5.4	140	5.3	87	4.9
12	269	4.2	195	6.6	162	6.2	101	5.3
14	229	4.4	192	7.6	164	7.3	106	5.6
16	229	11.6	174	7.8	136	7.1	77	5.0
18	194	6.2	152	6.3	121	6.1	76	5.0
20	154	5.9	119	6.2	95	5.6	58	4.2
22	199	8.5	138	6.0	107	6.0	66	4.4
TOTAL	2550	89.7	2082	75.2	1696	73.6	1051	60.7
MEAN	213	7.5	174	6.3	141	6.1	88	5.1
MAX	269	4.2	201	5.4	169	5.8	106	5.2
(TIME)	12 : 00		2 : 00		2 : 00		2 : 00	

11/22/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	246	7.2	161	7.9	125	6.8	78	5.3
2	184	6.3	166	6.8	134	7.8	77	5.9
4								
6	153	5.4	130	8.1	109	8.4	65	6.4
8	140	6.3	129	7.2	113	7.1	67	5.8
10	174	7.5	135	8.3	107	7.7	62	5.8
12								
14								
16	219	13.1	168	8.6	143	8.4	82	6.7
18	173	6.1	150	6.5	124	6.4	69	5.2
20	149	4.0	117	5.3	96	5.4	62	4.6
22	152	4.5	117	4.5	92	4.8	59	4.0
TOTAL	1590	60.4	1273	63.2	1043	62.8	621	49.7
MEAN	177	6.7	141	7.0	116	7.0	69	5.5
MAX	246	7.2	168	8.6	143	8.4	82	6.7
(TIME)	0 : 00		16 : 00		16 : 00		16 : 00	

11/22/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	179	4.8	152	7.1	125	6.9	76	5.1
2	179	6.5	155	7.9	129	7.9	76	5.9
4								
6	145	6.1	133	7.3	107	8.3	62	6.2
8	142	6.5	128	7.3	114	6.9	65	5.4
10	174	7.6	134	8.1	105	7.4	59	5.5
12								
14								
16	186	13.0	171	9.5	146	9.0	89	7.2
18	165	10.9	148	6.9	128	7.1	75	5.6
20	174	4.3	122	5.7	94	5.4	61	4.3
22	146	3.6	111	4.5	93	4.5	61	4.2
TOTAL	1490	63.3	1254	64.3	1041	63.4	624	49.4
MEAN	166	7.0	139	7.1	116	7.0	69	5.5
MAX	186	13.0	171	9.5	146	9.0	89	7.2
(TIME)	16 : 00		16 : 00		16 : 00		16 : 00	

11/23/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	199	3.8	120	5.2	92	5.4	56	4.4
2	147	4.2	126	6.4	99	6.0	63	4.9
4	124	6.4	105	8.8	85	7.9	56	6.0
6	158	7.9	134	9.0	94	8.5	54	5.8
8	125	9.8	99	9.0	78	7.7	46	5.2
10	102	6.6	88	7.7	71	7.3	43	5.4
12	130	9.7	98	8.3	71	8.2	39	5.4
14	102	10.0	83	7.3	65	7.5	39	5.4
16	98	12.3	81	8.8	61	8.2	36	5.2
18	113	6.6	96	8.4	70	7.6	39	5.3
20	109	4.9	92	7.1	71	7.2	39	5.2
22	101	5.4	86	5.9	66	6.4	38	4.8
TOTAL	1508	87.6	1208	91.9	923	87.9	548	63.0
MEAN	126	7.3	101	7.7	77	7.3	46	5.2
MAX	199	3.8	134	9.0	99	6.0	63	4.9
(TIME)	0 : 00		6 : 00		2 : 00		2 : 00	

11/23/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	167	3.7	119	6.7	92	5.6	56	4.4
2	154	5.1	129	6.0	106	6.1	72	5.4
4	135	11.6	108	8.6	87	7.9	55	5.8
6	177	6.1	132	8.6	95	8.2	56	5.9
8	137	9.7	99	7.1	79	7.4	47	5.3
10	97	10.2	85	9.0	71	8.1	46	6.1
12	127	7.2	97	8.2	71	8.5	40	5.5
14	113	10.3	91	8.7	69	8.2	42	5.7
16	110	8.3	85	8.4	66	8.2	40	5.6
18	120	5.8	98	8.3	74	8.4	41	5.9
20	108	4.9	95	7.8	76	7.4	41	5.3
22	104	5.8	90	6.0	68	6.6	41	5.1
TOTAL	1549	88.7	1228	93.4	954	90.6	577	66.0
MEAN	129	7.4	102	7.8	80	7.5	48	5.5
MAX	177	6.1	132	8.6	106	6.1	72	5.4
(TIME)	6 : 00		6 : 00		2 : 00		2 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/24/1984 HMEAN (CM)	TMEAN (SEC)
0	119	5.4	89	7.9	67	7.4	39	5.4
2	118	6.3	86	7.2	65	7.3	39	5.7
4	134	4.7	95	9.8	71	8.6	45	6.1
6	124	5.2	90	9.6	67	9.0	39	6.4
8	117	9.6	86	7.6	66	7.4	40	5.7
10	134	7.2	97	7.1	71	7.6	39	5.5
12								
14								
16								
18	103	5.4	88	7.6	68	7.0	43	5.4
20	90	5.7	78	6.7	63	7.1	37	4.9
22	125	4.9	93	5.1	72	4.8	45	3.6
TOTAL	1064	54.4	802	68.6	610	66.2	366	48.7
MEAN	118	6.0	89	7.6	68	7.4	41	5.4
MAX	134	4.7	97	7.1	72	4.8	45	6.1
(TIME)	4 : 00		10 : 00		22 : 00		4 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/24/1984 HMEAN (CM)	TMEAN (SEC)
0	109	5.5	92	6.4	67	7.2	38	5.4
2	120	6.7	91	7.8	70	7.7	43	6.4
4	117	4.9	89	9.2	68	8.3	42	5.9
6	140	5.3	95	9.5	68	9.0	39	6.4
8	110	9.7	83	8.2	65	7.4	39	5.7
10	135	7.1	96	7.2	69	7.7	38	5.5
12								
14								
16								
18	103	7.3	89	8.5	68	7.6	42	5.6
20	84	7.7	78	7.2	61	7.3	37	5.2
22	122	4.5	92	5.0	71	4.7	46	3.7
TOTAL	1040	58.7	805	69.0	607	66.9	364	49.8
MEAN	116	6.5	89	7.7	67	7.4	40	5.5
MAX	140	5.3	96	7.2	71	4.7	46	3.7
(TIME)	6 : 00		10 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/25/1984 HMEAN (CM)	TMEAN (SEC)
0	143	3.8	102	4.6	81	4.6	51	3.4
2	146	4.5	121	5.4	96	5.3	59	4.0
4	167	4.9	134	5.8	106	5.4	64	4.2
6	179	6.7	148	6.1	120	5.8	75	4.5
8	225	7.9	161	6.7	127	6.4	82	4.8
10	148	7.1	132	6.2	110	6.1	68	4.5
12	216	9.1	156	6.1	124	6.1	79	4.7
14	215	5.8	170	5.4	133	5.7	82	4.4
16	190	5.5	155	5.8	127	5.7	80	4.5
18	187	4.5	155	6.0	125	6.1	78	4.6
20	178	4.7	130	5.7	109	6.0	71	4.6
22	152	6.2	120	6.5	101	5.7	64	4.4
TOTAL	2146	70.7	1684	70.3	1359	68.9	853	52.6
MEAN	179	5.9	140	5.9	113	5.7	71	4.4
MAX	225	7.9	170	5.4	133	5.7	82	4.8
(TIME)	8 : 00		14 : 00		14 : 00		8 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/25/1984 HMEAN (CM)	TMEAN (SEC)
0	157	3.7	105	4.2	83	4.2	53	3.5
2	175	3.6	126	5.3	101	5.2	66	4.2
4	176	4.6	137	5.4	108	5.4	66	4.2
6	190	5.3	152	6.0	122	5.8	76	4.4
8	187	6.2	156	6.0	127	6.1	81	4.8
10	177	6.5	136	6.2	109	6.1	66	4.3
12	164	9.1	148	6.4	122	6.1	79	4.7
14	250	5.9	182	5.3	137	5.6	87	4.5
16	187	6.5	156	5.9	130	5.6	85	4.6
18	184	6.9	158	5.8	127	6.0	77	4.4
20	148	6.4	132	6.1	114	6.0	75	4.6
22	167	5.2	126	6.0	106	5.6	67	4.3
TOTAL	2162	69.9	1714	68.6	1386	67.7	878	52.5
MEAN	180	5.8	143	5.7	116	5.6	73	4.4
MAX	250	5.9	182	5.3	137	5.6	87	4.5
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/26/1984 HMEAN (CM)	TMEAN (SEC)
0	161	4.9	112	4.8	95	5.5	62	4.3
2	137	7.3	121	6.1	101	5.9	60	4.4
4	133	10.0	119	6.5	97	6.5	57	4.5
6	173	4.1	130	5.6	105	5.4	66	4.1
8	143	8.7	118	6.3	101	5.6	68	4.2
10	154	8.9	121	5.2	94	4.8	58	3.7
12	138	4.9	117	5.6	93	5.7	59	4.3
14	107	7.9	90	7.1	74	5.9	46	4.1
16	119	8.7	96	7.4	76	6.4	47	4.6
18	172	9.7	112	6.6	78	6.3	45	4.5
20	133	5.4	100	7.1	73	6.6	42	4.6
22	104	5.5	90	7.1	71	7.0	41	4.9
TOTAL	1674	86.0	1326	75.4	1058	71.6	651	52.2
MEAN	140	7.2	111	6.3	88	6.0	54	4.3
MAX	173	4.1	130	5.6	105	5.4	68	4.2
(TIME)	6 : 00		6 : 00		6 : 00		8 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/26/1984 HMEAN (CM)	TMEAN (SEC)
0	164	8.4	125	5.6	105	5.7	68	4.5
2	161	4.3	132	6.3	103	6.1	64	4.8
4	168	6.0	128	6.2	98	6.4	58	4.5
6	161	4.1	133	5.4	108	5.4	71	4.3
8	145	4.5	122	5.9	103	5.5	68	4.0
10	171	4.2	131	4.6	100	4.9	61	3.9
12	146	5.2	114	5.8	92	5.4	58	3.9
14	107	6.4	94	6.5	76	5.7	47	4.2
16	144	8.2	102	7.5	82	6.7	51	4.9
18	156	9.8	111	6.8	80	6.2	46	4.7
20	131	6.3	101	7.1	74	6.6	43	4.7
22	111	9.0	97	7.2	77	7.1	47	5.3
TOTAL	1765	76.4	1390	74.9	1098	71.7	682	53.7
MEAN	147	6.4	116	6.2	92	6.0	57	4.5
MAX	171	4.2	133	5.4	108	5.4	71	4.3
(TIME)	10 : 00		6 : 00		6 : 00		6 : 00	

11/27/1984								
NO.1	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	92	9.6	74	7.5	59	6.5	35	4.7
2	113	10.0	92	8.1	73	7.5	40	5.2
4	107	9.4	92	9.0	72	7.8	43	6.0
6	95	10.6	68	9.3	58	8.6	35	6.3
8	98	10.2	82	8.8	64	9.0	37	6.6
10	81	7.1	58	9.9	48	9.2	28	6.4
12	77	10.4	63	10.2	48	9.3	28	6.6
14	70	11.2	50	8.6	37	7.3	21	4.0
16								
18	79	4.5	63	5.8	51	5.1	31	3.4
20	73	5.5	56	6.1	46	6.0	28	4.0
22	108	5.2	83	5.6	63	5.3	38	3.8
TOTAL	993	93.7	781	88.9	619	81.6	364	57.0
MEAN	90	8.5	71	8.1	56	7.4	33	5.2
MAX	113	10.0	92	8.1	73	7.5	43	6.0
(TIME)	2 : 00		2 : 00		2 : 00		4 : 00	

11/27/1984								
NO.2	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	89	9.3	75	7.3	60	6.7	34	4.6
2	113	6.7	97	7.5	73	7.3	40	5.0
4	107	5.8	91	7.1	71	7.5	42	5.9
6	87	10.7	67	9.3	57	8.9	33	6.1
8	92	9.7	86	8.6	65	8.6	38	6.8
10	84	9.7	60	10.3	50	9.6	31	6.9
12	74	10.3	62	10.1	49	10.0	28	6.8
14	63	9.4	49	8.5	38	7.9	22	4.5
16								
18	75	4.9	66	5.6	52	4.8	32	3.4
20	104	4.8	61	6.3	47	5.6	29	3.8
22	112	5.7	87	6.1	66	5.6	41	4.0
TOTAL	1000	87.0	801	86.7	628	82.5	370	57.8
MEAN	91	7.9	73	7.9	57	7.5	34	5.3
MAX	113	6.7	97	7.5	73	7.3	42	5.9
(TIME)	2 : 00		2 : 00		2 : 00		4 : 00	

11/28/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(SEC)	(CM)	(SEC)
0	106	7.2	81	5.1	66	5.2	41	3.7
2	108	4.9	80	4.9	66	4.8	42	3.7
4	101	4.4	75	4.9	62	4.7	40	3.8
6	102	4.9	81	5.3	69	5.1	44	4.1
8	108	6.3	90	5.4	72	5.8	46	4.7
10	78	5.3	63	5.7	52	5.4	33	4.5
12	81	6.6	68	6.4	57	6.5	35	4.8
14	79	6.9	62	6.1	51	5.9	31	4.2
16	67	7.2	60	7.3	48	6.6	29	4.4
18	68	6.8	52	7.1	43	6.7	27	4.6
20	73	7.6	59	8.0	44	6.6	25	4.4
22	71	7.8	60	7.8	46	6.3	27	4.4
TOTAL	1042	75.9	831	74.0	676	69.6	420	51.3
MEAN	87	6.3	69	6.2	56	5.8	35	4.3
MAX	108	4.9	90	5.4	72	5.8	46	4.7
(TIME)	2 : 00		8 : 00		8 : 00		8 : 00	

11/28/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(SEC)	(CM)	(SEC)
0	108	6.2	85	5.2	68	5.2	41	3.7
2	110	5.2	82	4.7	68	4.7	42	3.5
4	110	4.8	79	4.4	65	4.6	41	3.7
6	98	6.9	86	5.3	72	5.2	49	4.4
8	106	4.6	95	5.3	76	5.6	50	4.8
10	85	5.0	67	5.8	54	5.7	34	4.4
12	87	6.8	71	6.5	60	6.6	39	5.2
14	89	6.6	67	6.1	55	5.7	34	4.7
16	71	9.7	63	7.3	52	6.9	31	4.7
18	66	11.3	57	8.1	45	6.6	28	4.7
20	92	11.7	64	9.0	47	7.3	29	5.1
22	77	6.8	64	7.3	48	6.4	30	4.7
TOTAL	1099	85.6	880	75.0	710	70.5	448	53.6
MEAN	92	7.1	73	6.2	59	5.9	37	4.5
MAX	110	5.2	95	5.3	76	5.6	50	4.8
(TIME)	2 : 00		8 : 00		8 : 00		8 : 00	

11/29/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(SEC)	(CM)	(SEC)
0	98	5.3	64	6.2	51	5.6	33	4.3
2	83	5.0	65	5.4	50	5.2	31	4.0
4	83	3.8	58	6.4	48	5.8	30	4.4
6	64	10.9	55	6.7	42	6.1	25	4.0
8	61	6.3	51	7.6	40	6.5	26	4.6
10	55	7.4	47	8.3	37	6.6	23	4.4
12	68	7.2	42	7.7	32	6.9	19	4.5
14	50	6.2	42	9.4	33	8.1	20	5.3
16	60	9.8	46	9.4	35	8.2	19	4.8
18	66	10.0	47	9.0	37	8.6	22	5.7
20	61	10.3	47	7.8	36	8.5	21	5.6
22	54	11.3	41	8.8	32	7.9	18	5.0
TOTAL	803	93.5	605	92.7	473	84.0	287	56.6
MEAN	67	7.8	50	7.7	39	7.0	24	4.7
MAX	98	5.3	65	5.4	51	5.6	33	4.3
(TIME)	0 : 00		2 : 00		0 : 00		0 : 00	

11/29/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(SEC)	(CM)	(SEC)
0	92	5.6	66	5.9	53	5.6	35	4.4
2	95	4.9	68	5.6	52	5.5	33	4.2
4	81	3.7	62	6.4	49	5.5	31	4.4
6	73	10.2	59	7.7	46	6.5	27	4.3
8	62	6.1	51	6.8	40	5.9	25	4.4
10	57	8.7	46	7.6	37	6.5	22	4.4
12	63	7.6	44	7.9	33	7.2	20	4.8
14	56	11.6	45	10.0	35	9.2	23	6.1
16	68	9.8	48	10.3	36	8.8	20	5.4
18	68	10.1	48	9.4	37	8.5	22	5.9
20	58	10.2	47	8.9	36	8.5	20	5.7
22	55	11.5	43	8.8	33	8.8	20	6.1
TOTAL	828	100.0	627	95.3	487	86.5	298	60.1
MEAN	69	8.3	52	7.9	41	7.2	25	5.0
MAX	95	4.9	68	5.6	53	5.6	35	4.4
(TIME)	2 : 00		2 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/30/1984 HMEAN (CM)	TMEAN (SEC)
0	66	10.2	51	9.0	36	8.5	19	5.1
2	63	5.1	45	8.9	34	7.5	19	4.8
4	61	6.1	43	8.0	34	8.0	20	5.4
6	54	13.0	47	11.2	39	10.1	23	6.4
8	57	13.4	46	11.1	34	8.5	19	4.8
10	54	11.2	46	10.5	36	8.3	20	5.1
12	66	10.1	53	9.1	43	8.4	24	5.7
14	59	5.2	51	10.3	39	8.5	22	5.3
16								
18								
20								
22								
TOTAL	480	74.3	382	78.1	295	67.8	166	42.6
MEAN	60	9.3	48	9.8	37	8.5	21	5.3
MAX	66	10.2	53	9.1	43	8.4	24	5.7
(TIME)	0 : 00		12 : 00		12 : 00		12 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	63	15.0	49	9.2	39	8.6	25	5.9
20	69	10.0	64	7.9	51	8.8	33	6.7
22	80	10.0	70	9.1	56	8.1	34	6.1
TOTAL	212	35.0	183	26.2	146	25.5	92	18.7
MEAN	71	11.7	61	8.7	49	8.5	31	6.2
MAX	80	10.0	70	9.1	56	8.1	34	6.1
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0	107	5.3	74	7.8	54	7.4	32	5.5
2	138	9.8	107	8.0	78	8.1	44	6.0
4	151	5.8	121	8.0	93	7.9	55	6.4
6	138	6.7	124	7.6	100	7.2	57	5.8
8	148	9.2	124	7.4	102	7.7	61	5.7
10	152	5.8	113	7.5	92	7.4	54	4.9
12	210	5.5	180	6.1	142	8.1	80	6.2
14	205	4.8	185	6.8	155	7.2	86	6.2
16	206	6.4	188	8.3	148	8.1	81	6.0
18	253	3.9	171	6.1	135	6.7	76	5.5
20	213	5.6	170	7.1	127	7.4	67	5.1
22	192	4.7	158	6.0	113	6.9	63	5.2
TOTAL	2113	73.5	1715	86.7	1339	90.1	756	68.5
MEAN	176	6.1	143	7.2	112	7.5	63	5.7
MAX	253	3.9	188	8.3	155	7.2	86	6.2
(TIME)	18 : 00		16 : 00		14 : 00		14 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	11/30/1984 HMEAN (CM)	TMEAN (SEC)
0	64	6.6	50	8.4	37	8.3	20	5.2
2	63	4.9	47	10.1	34	8.0	18	4.6
4	63	6.6	44	7.6	33	8.2	19	5.4
6	58	13.2	49	10.2	39	9.7	23	6.1
8	67	9.1	49	11.1	36	8.7	20	5.1
10	63	14.2	47	10.8	36	8.6	20	4.9
12	68	10.1	54	8.9	41	8.2	23	5.6
14	58	5.3	50	9.9	40	8.7	23	5.7
16								
18								
20								
22								
TOTAL	504	70.0	390	77.0	296	68.4	166	42.6
MEAN	63	8.7	49	9.6	37	8.5	21	5.3
MAX	68	10.1	54	8.9	41	8.2	23	6.1
(TIME)	12 : 00		12 : 00		12 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ 1/1984 HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18	63	10.7	50	9.9	40	8.3	25	6.0
20	69	6.7	62	8.9	49	8.7	29	6.0
22	76	9.9	66	9.4	53	8.5	34	6.3
TOTAL	208	27.3	178	28.2	142	25.5	88	18.3
MEAN	69	9.1	59	9.4	47	8.5	29	6.1
MAX	76	9.9	66	9.4	53	8.5	34	6.3
(TIME)	22 : 00		22 : 00		22 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ 2/1984 HMEAN (CM)	TMEAN (SEC)
0	108	5.5	71	8.9	52	7.2	30	5.2
2	135	8.3	109	8.2	78	8.2	45	6.1
4	156	5.8	120	7.9	95	7.8	56	6.5
6	128	8.4	120	8.7	97	7.6	59	6.0
8	138	5.6	124	7.4	104	7.2	61	5.5
10	138	5.6	118	6.8	94	6.8	58	5.2
12	211	5.7	181	6.0	146	7.6	81	5.9
14	243	4.6	192	6.7	157	6.9	87	6.2
16	236	6.2	194	9.3	147	8.0	81	5.8
18	225	4.2	172	6.4	141	6.8	79	5.6
20	209	6.5	157	7.5	123	7.2	66	5.3
22	177	10.3	153	7.4	114	7.4	63	5.5
TOTAL	2104	76.7	1711	91.2	1348	88.7	766	68.8
MEAN	175	6.4	143	7.6	112	7.4	64	5.7
MAX	243	4.6	194	9.3	157	6.9	87	6.2
(TIME)	14 : 00		16 : 00		14 : 00		14 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	137	5.2	118	8.7	94	9.2	54	6.6
2	156	9.9	119	9.2	78	8.6	42	6.0
4	95	9.4	71	8.9	48	7.1	25	4.0
6	95	5.9	76	6.8	54	7.9	33	6.1
8	97	11.4	73	6.9	50	6.9	28	4.4
10	101	11.8	70	9.4	52	8.5	30	5.7
12	75	10.4	57	9.2	46	7.4	28	4.9
14	103	7.0	80	6.1	61	5.4	37	3.7
16	125	7.9	106	6.0	80	6.1	50	4.6
18	126	4.5	95	6.5	74	6.0	46	4.4
20	115	4.7	101	6.8	79	5.8	51	4.6
22	127	5.8	113	7.1	89	7.1	52	5.1
TOTAL	1352	93.9	1079	91.6	805	86.0	476	60.1
MEAN	113	7.8	90	7.6	67	7.2	40	5.0
MAX	156	9.9	119	9.2	94	9.2	54	6.6
(TIME)	2 : 00		2 : 00		0 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	3/1984 TMEAN (SEC)
0	146	9.6	120	8.5	95	9.2	54	6.4
2	166	5.8	121	9.2	84	8.4	47	6.7
4	88	9.5	77	9.3	57	7.7	33	5.7
6	107	5.4	77	7.4	55	7.8	33	6.1
8	95	11.3	76	7.6	56	7.8	33	5.8
10	102	11.3	75	9.3	54	8.6	30	5.6
12	78	10.4	57	8.7	48	7.7	31	5.4
14	106	6.2	84	6.8	64	5.6	40	4.0
16	129	6.8	104	6.3	85	6.6	55	5.1
18	130	4.6	100	6.5	79	6.1	50	4.4
20	128	4.4	98	5.9	81	5.7	51	4.5
22	126	4.3	113	6.6	90	6.8	56	5.2
TOTAL	1401	89.6	1102	92.1	848	88.0	513	64.9
MEAN	117	7.5	92	7.7	71	7.3	43	5.4
MAX	166	5.8	121	9.2	95	9.2	56	5.2
(TIME)	2 : 00		2 : 00		0 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	120	9.3	105	9.2	87	8.2	56	5.8
2	172	12.5	135	8.3	103	7.9	64	6.2
4	216	17.2	175	10.4	141	7.4	81	6.2
6	228	15.3	201	11.0	153	7.6	87	6.0
8	249	5.2	204	8.9	155	6.9	88	6.2
10	200	3.5	190	9.4	162	7.6	96	7.3
12	262	8.5	226	11.3	181	8.9	100	7.2
14	244	17.9	222	12.3	187	10.7	111	7.7
16	300	10.7	196	7.7	158	7.1	84	5.7
18	232	12.8	176	8.9	131	5.6	77	5.5
20	228	16.1	173	10.2	133	6.5	76	5.7
22								
TOTAL	2451	129.0	2003	107.6	1591	84.4	920	69.5
MEAN	223	11.7	182	9.8	145	7.7	84	6.3
MAX	300	10.7	226	11.3	187	10.7	111	7.7
(TIME)	16 : 00		12 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	4/1984 TMEAN (SEC)
0	121	9.9	111	8.3	92	7.6	58	5.7
2	191	13.9	143	8.6	108	8.5	70	6.6
4	218	14.5	186	10.4	151	8.4	89	7.0
6	217	9.6	183	9.5	154	8.4	90	6.5
8	216	4.9	180	8.8	148	6.9	88	6.3
10	215	20.6	188	11.1	161	8.1	95	7.1
12	253	7.7	224	11.2	176	9.5	98	7.1
14	277	6.2	217	10.9	177	9.3	103	7.2
16	301	10.8	204	10.5	166	8.3	90	6.3
18	219	7.9	172	7.9	135	5.6	79	5.6
20	212	15.8	176	10.4	138	6.8	77	6.1
22								
TOTAL	2440	121.8	1984	107.6	1606	87.4	937	71.5
MEAN	222	11.1	180	9.8	146	7.9	85	6.5
MAX	301	10.8	224	11.2	177	9.3	103	7.2
(TIME)	16 : 00		12 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	256	13.2	218	9.1	175	6.5	103	6.4
2	283	13.5	238	9.7	188	7.1	107	6.4
4	244	17.7	220	11.8	188	8.6	105	6.9
6	243	7.5	207	7.2	153	6.0	84	5.7
8	238	7.6	189	6.1	139	6.5	77	5.6
10	265	7.9	215	10.0	170	7.4	95	6.4
12	301	13.5	246	9.1	200	7.7	107	6.7
14	257	10.8	205	7.4	171	7.3	100	6.6
16	272	6.9	208	9.7	161	7.8	88	6.4
18	237	14.4	195	7.8	148	6.3	82	5.9
20	155	5.2	130	6.2	110	5.4	66	4.9
22	228	7.2	151	5.5	114	6.1	68	5.3
TOTAL	2979	125.4	2422	99.6	1917	82.7	1082	73.2
MEAN	248	10.4	202	8.3	160	6.9	90	6.1
MAX	301	13.5	246	9.1	200	7.7	107	6.4
(TIME)	12 : 00		12 : 00		12 : 00		2 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	5/1984 TMEAN (SEC)
0	265	13.5	219	7.7	177	6.8	107	6.4
2	246	14.5	220	11.0	185	7.3	107	6.4
4	236	4.0	213	10.3	183	9.3	104	7.1
6	229	3.6	197	8.4	156	7.4	90	6.5
8	208	5.8	170	7.1	135	6.3	78	5.9
10	243	5.1	204	9.5	169	8.5	98	6.8
12	233	4.9	221	6.8	185	6.1	100	6.3
14	254	15.9	209	7.6	169	7.4	94	6.2
16	267	9.4	206	7.9	159	7.5	82	6.0
18	205	4.7	184	5.6	143	5.3	79	5.4
20	186	3.9	138	5.8	114	5.3	72	4.9
22	209	6.8	157	6.5	124	6.2	73	5.4
TOTAL	2781	92.1	2338	94.2	1899	83.4	1084	73.3
MEAN	232	7.7	195	7.8	158	6.9	90	6.1
MAX	267	9.4	221	6.8	185	7.3	107	6.4
(TIME)	16 : 00		12 : 00		2 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	189	3.6	163	4.6	131	6.3	74	6.0
2	206	5.6	176	7.3	139	7.6	76	6.1
4	268	7.8	207	8.4	157	8.0	85	6.4
6	194	15.4	170	6.9	135	6.2	82	5.5
8	202	10.8	169	6.5	130	6.3	75	5.2
10	189	9.9	161	5.8	128	6.0	79	4.9
12	250	4.1	181	5.2	149	6.6	91	5.5
14	207	7.2	183	5.5	154	6.4	100	5.2
16	227	6.1	183	6.9	151	6.0	92	4.7
18	225	9.0	163	5.7	126	5.7	76	4.4
20	154	3.4	127	5.0	99	5.2	62	4.0
22	186	5.3	135	4.9	102	5.7	65	4.5
TOTAL	2497	88.2	2018	72.7	1601	76.0	957	62.4
MEAN	208	7.3	168	6.1	133	6.3	80	5.2
MAX	268	7.8	207	8.4	157	8.0	100	5.2
(TIME)	4 : 00		4 : 00		4 : 00		14 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	6/1984 TMEAN (SEC)
0	221	3.8	177	5.1	138	6.1	77	5.8
2	201	4.8	181	5.8	142	7.2	80	6.2
4	232	6.8	193	8.2	154	7.3	85	6.2
6	216	4.5	190	6.8	148	6.4	83	5.5
8	218	4.7	163	5.4	126	5.5	72	4.9
10	177	5.1	163	5.2	131	6.3	83	5.4
12	182	5.0	171	7.7	151	6.9	92	5.6
14	232	5.3	181	5.8	156	6.3	100	4.9
16	237	10.3	182	6.7	152	6.1	97	4.9
18	215	8.2	174	7.4	137	6.4	82	4.6
20	164	9.4	133	5.6	107	5.4	67	4.2
22	186	4.3	141	5.5	113	5.9	68	4.2
TOTAL	2481	72.2	2049	75.2	1655	75.8	986	62.4
MEAN	207	6.0	171	6.3	138	6.3	82	5.2
MAX	237	10.3	193	8.2	156	6.3	100	4.9
(TIME)	16 : 00		4 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	171	4.1	146	5.1	116	5.6	75	4.5
2	194	5.0	161	6.4	133	5.8	83	4.5
4	188	9.4	160	7.1	133	6.3	86	5.0
6	210	5.2	156	6.3	131	5.8	84	4.7
8	180	5.6	154	5.8	128	5.6	80	4.6
10	189	5.1	156	5.6	127	5.7	82	4.4
12	157	4.1	133	6.0	115	6.0	75	4.5
14	165	6.4	143	6.1	107	6.0	69	4.3
16	183	5.9	139	6.6	108	6.2	63	4.2
18	188	3.7	144	5.3	115	5.2	74	4.1
20	147	4.2	114	5.4	92	5.3	59	4.1
22	127	6.9	100	6.5	81	5.8	50	4.3
TOTAL	2099	65.6	1706	72.2	1386	69.3	880	53.2
MEAN	175	5.5	142	6.0	116	5.8	73	4.4
MAX	210	5.2	161	6.4	133	5.8	86	5.0
(TIME)	6 : 00		2 : 00		2 : 00		4 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	7/1984 TMEAN (SEC)
0	171	3.6	147	4.9	117	5.2	74	4.4
2	181	5.4	157	6.3	133	5.9	84	4.7
4	195	12.6	163	6.8	135	5.9	82	4.6
6	192	5.1	166	7.6	137	6.6	86	4.9
8	193	5.1	165	6.1	134	6.0	82	4.6
10	243	4.8	165	5.4	134	5.3	83	4.6
12	159	4.2	144	6.0	121	5.8	78	4.6
14	174	9.9	141	6.7	115	5.6	71	4.3
16	187	4.9	143	6.2	114	6.3	69	4.4
18	172	5.4	151	5.6	123	5.5	80	4.4
20	167	4.0	120	5.9	98	5.5	60	4.0
22	143	4.8	113	6.1	90	5.9	55	4.2
TOTAL	2177	69.8	1775	73.6	1451	69.5	904	53.7
MEAN	181	5.8	148	6.1	121	5.8	75	4.5
MAX	243	4.8	166	7.6	137	6.6	86	4.9
(TIME)	10 : 00		6 : 00		6 : 00		6 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	119	5.7	103	6.4	86	6.3	54	4.6
2	127	5.5	100	6.7	80	6.3	49	4.6
4	143	6.9	106	9.4	77	7.8	47	5.6
6	105	9.0	87	8.0	68	8.2	42	5.8
8	118	5.2	100	7.1	77	7.4	46	5.5
10	117	5.8	95	7.3	70	7.4	43	5.7
12	106	9.6	88	7.8	67	8.7	40	6.4
14	86	10.9	80	9.3	64	8.7	40	6.7
16	106	6.1	82	7.7	66	8.6	41	6.3
18	101	6.0	77	7.1	61	7.7	35	5.2
20								
22	86	10.5	67	6.9	54	7.1	34	5.8
TOTAL	1214	81.2	985	83.7	770	84.2	471	62.2
MEAN	110	7.4	90	7.6	70	7.7	43	5.7
MAX	143	6.9	106	9.4	86	6.3	54	4.6
(TIME)	4 : 00		4 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ HMEAN (CM)	8/1984 TMEAN (SEC)
0	125	6.1	107	5.8	90	6.4	58	4.6
2	126	5.2	107	6.8	86	6.6	52	4.7
4	144	6.9	107	7.5	80	7.5	49	5.6
6	108	7.1	89	6.9	70	7.5	41	5.2
8	120	5.5	106	8.1	81	7.5	48	5.5
10	123	5.8	94	6.8	72	7.4	45	5.7
12	108	7.9	90	8.0	70	8.2	42	6.3
14	96	7.5	84	9.2	68	9.3	43	7.2
16	106	6.2	84	8.2	67	8.5	41	6.1
18	109	6.3	83	6.6	66	7.9	41	6.4
20								
22	79	10.8	67	7.7	56	7.5	34	5.4
TOTAL	1244	75.3	1018	81.6	806	84.3	494	62.7
MEAN	113	6.8	93	7.4	73	7.7	45	5.7
MAX	144	6.9	107	5.8	90	6.4	58	4.6
(TIME)	4 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	70	6.2	60	7.5	47	7.6	26	5.0
2	77	9.4	64	7.8	52	8.6	30	5.9
4	89	10.1	68	9.1	52	8.7	30	6.1
6	76	10.2	59	8.9	47	8.7	29	6.6
8	108	6.5	68	8.6	50	8.8	27	5.7
10								
12	71	9.4	57	8.0	46	8.5	28	6.2
14	87	6.0	69	6.6	50	5.6	30	3.4
16	91	10.1	69	7.0	51	5.9	31	3.6
18	107	6.8	72	5.9	55	4.4	35	3.2
20	95	3.0	74	4.9	59	4.2	38	3.2
22	103	6.3	71	4.3	55	4.2	36	3.3
TOTAL	974	84.0	731	78.6	564	75.2	340	52.2
MEAN	89	7.6	67	7.1	51	6.8	31	4.7
MAX	108	6.5	74	4.9	59	4.2	38	3.2
(TIME)	8 : 00		20 : 00		20 : 00		20 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/ 9/1984 HMEAN (CM)	TMEAN (SEC)
0	73	6.4	63	6.9	50	7.7	28	5.1
2	79	9.3	69	7.7	53	8.2	32	6.5
4	91	10.1	71	9.8	56	9.1	33	6.9
6	78	8.9	60	9.7	48	8.9	31	7.0
8	109	10.1	68	8.7	52	8.8	29	6.2
10								
12	84	6.1	58	7.9	44	8.4	26	5.9
14	105	8.4	71	6.7	53	5.5	31	3.5
16	95	10.6	73	7.2	53	5.6	32	3.5
18	131	9.8	78	6.1	59	4.8	37	3.4
20	107	3.6	75	4.5	57	3.9	37	3.1
22	83	4.6	69	4.7	57	4.5	37	3.3
TOTAL	1035	87.9	755	79.9	582	75.4	353	54.4
MEAN	94	8.0	69	7.3	53	6.9	32	4.9
MAX	131	9.8	78	6.1	59	4.8	37	3.4
(TIME)	18 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/10/1984 HMEAN (CM)	TMEAN (SEC)
0	90	2.6	70	4.8	57	4.2	38	3.2
2	117	5.3	82	5.7	64	4.4	41	3.3
4	102	5.2	81	5.7	65	4.8	41	3.7
6	111	4.1	89	4.8	72	4.3	46	3.3
8	407	7.5	121	5.1	85	4.4	52	3.4
10	157	4.4	104	5.0	80	4.6	48	3.4
12	116	5.7	100	5.7	81	5.3	51	3.9
14	151	8.1	117	7.3	90	6.2	57	4.3
16	121	6.7	103	6.2	86	5.6	56	4.1
18	161	7.4	116	6.2	92	5.8	55	4.3
20	126	8.6	103	6.0	82	5.6	51	4.0
22	100	7.0	85	6.5	71	5.3	44	3.8
TOTAL	1759	72.6	1171	69.0	925	60.5	580	44.7
MEAN	147	6.0	98	5.7	77	5.0	48	3.7
MAX	407	7.5	121	5.1	92	5.8	57	4.3
(TIME)	8 : 00		8 : 00		18 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/10/1984 HMEAN (CM)	TMEAN (SEC)
0	102	5.0	76	5.0	62	4.3	40	3.3
2	117	8.9	86	5.8	68	4.9	41	3.3
4	119	5.4	85	5.4	67	4.8	43	3.7
6	131	3.5	98	5.6	77	4.6	49	3.4
8	145	6.4	106	5.6	84	4.5	53	3.5
10	128	7.2	108	5.3	82	4.6	50	3.4
12	113	4.4	102	5.6	85	5.2	56	3.9
14	169	4.5	121	5.9	96	5.9	60	4.3
16	138	4.5	111	5.9	90	5.5	56	4.1
18	149	7.0	116	6.7	92	5.7	52	3.9
20	125	5.8	110	6.4	88	5.6	55	4.3
22	111	7.5	95	6.1	76	5.6	48	4.1
TOTAL	1547	70.1	1214	69.3	967	61.2	603	45.2
MEAN	129	5.8	101	5.8	81	5.1	50	3.8
MAX	169	4.5	121	5.9	96	5.9	60	4.3
(TIME)	14 : 00		14 : 00		14 : 00		14 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/11/1984 HMEAN (CM)	TMEAN (SEC)
0	108	7.8	82	6.9	70	5.9	44	4.1
2	99	4.7	90	7.0	74	6.5	45	4.8
4	122	6.0	95	8.4	76	6.8	45	5.2
6	125	6.3	103	7.2	83	7.6	52	6.6
8	104	9.0	94	8.5	78	8.2	48	6.1
10	120	5.4	99	7.7	75	8.0	45	5.9
12								
14	106	6.3	96	7.6	78	8.3	49	6.4
16	130	5.2	107	7.3	82	6.7	52	5.1
18								
20	187	5.1	136	5.4	110	5.2	68	4.0
22	163	6.0	132	5.1	102	5.1	61	3.8
TOTAL	1264	61.8	1034	71.1	828	68.3	509	52.0
MEAN	126	6.2	103	7.1	83	6.8	51	5.2
MAX	187	5.1	136	5.4	110	5.2	68	4.0
(TIME)	20 : 00		20 : 00		20 : 00		20 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/11/1984 HMEAN (CM)	TMEAN (SEC)
0	127	5.7	93	5.6	76	5.8	47	4.1
2	113	4.7	95	6.7	78	6.7	49	5.0
4	122	6.2	98	8.0	78	6.7	47	5.1
6	133	6.3	107	7.4	83	7.4	51	6.0
8	103	8.9	99	8.3	80	8.3	49	6.3
10	127	5.2	103	8.2	77	7.8	46	5.8
12								
14	123	5.6	103	7.6	85	8.1	53	6.4
16	138	5.1	111	6.9	88	6.8	55	5.2
18								
20	189	4.5	141	5.7	116	5.4	74	4.2
22	197	2.8	142	5.5	110	5.1	67	4.1
TOTAL	1372	55.0	1092	69.9	871	68.1	538	52.2
MEAN	137	5.5	109	7.0	87	6.8	54	5.2
MAX	197	2.8	142	5.5	116	5.4	74	4.2
(TIME)	22 : 00		22 : 00		20 : 00		20 : 00	

12/12/1984								
NO.1	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	176	4.6	119	5.2	97	4.9	63	3.8
2	179	3.6	142	5.7	116	5.5	70	4.0
4	211	8.1	169	5.9	136	6.1	88	4.5
6	261	7.5	207	6.9	163	6.5	103	5.0
8	265	7.0	218	6.4	178	5.9	109	4.8
10	298	9.4	210	7.6	166	6.5	99	4.8
12	254	4.0	204	8.3	164	6.9	101	5.5
14	278	3.5	197	6.7	166	6.7	97	5.0
16	263	4.2	218	6.9	174	6.2	103	5.1
18	292	5.1	239	8.4	188	6.6	114	5.6
20	450	3.1	212	5.2	165	6.0	99	5.0
22	260	5.5	163	6.4	124	6.4	81	4.9
TOTAL	3187	65.6	2298	79.6	1837	74.2	1127	58.0
MEAN	266	5.5	192	6.6	153	6.2	94	4.8
MAX	450	3.1	239	8.4	188	6.6	114	5.6
(TIME)	20 : 00		18 : 00		18 : 00		18 : 00	

12/12/1984								
NO.2	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
TIME	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	153	4.1	122	4.8	100	4.7	64	3.8
2	176	3.9	149	5.8	120	5.8	75	4.3
4	222	6.3	167	6.1	142	5.6	89	4.4
6	258	10.8	207	6.4	171	6.3	104	4.9
8	258	8.6	218	6.4	180	6.4	112	5.2
10	247	4.4	211	7.2	173	6.5	108	5.1
12	279	11.2	220	9.4	172	6.9	107	5.6
14	223	4.9	206	6.0	171	6.6	104	5.2
16	269	7.2	229	7.7	182	6.4	111	5.4
18	252	7.9	220	6.9	181	6.4	112	5.3
20	243	6.6	210	8.5	172	6.5	105	5.5
22	255	5.0	170	5.4	126	5.9	80	4.9
TOTAL	2835	80.9	2329	80.6	1890	74.0	1171	59.6
MEAN	236	6.7	194	6.7	158	6.2	98	5.0
MAX	279	11.2	229	7.7	182	6.4	112	5.2
(TIME)	12 : 00		16 : 00		16 : 00		8 : 00	

12/13/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	131	9.5	118	6.7	95	6.3	61	4.9
2	180	6.4	138	4.6	110	5.4	71	5.1
4	171	11.3	155	8.2	125	6.7	79	5.2
6	273	8.4	218	7.1	171	6.3	98	5.6
8	266	4.2	212	5.6	176	7.1	102	6.0
10	253	10.7	192	7.1	155	7.4	92	6.0
12	211	5.0	181	8.7	143	7.4	86	5.5
14	238	5.7	190	6.5	151	7.5	88	5.8
16	163	4.5	152	6.5	133	6.7	89	6.1
18	208	5.1	186	5.7	140	6.2	79	5.1
20	243	5.0	172	5.6	132	6.1	80	5.3
22	194	5.1	138	6.3	112	6.4	70	4.9
TOTAL	2531	80.9	2052	78.6	1643	79.5	995	65.5
MEAN	211	6.7	171	6.5	137	6.6	83	5.5
MAX	273	8.4	218	7.1	176	7.1	102	6.0
(TIME)	6 : 00		6 : 00		8 : 00		8 : 00	

12/13/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	138	5.6	120	6.3	103	5.8	65	4.8
2	175	3.7	144	5.6	112	5.7	71	5.4
4	170	6.5	144	6.8	119	6.2	81	5.4
6	287	4.2	221	7.8	178	6.5	106	5.8
8	248	5.7	211	6.5	178	7.3	107	6.2
10	246	5.4	206	8.1	169	7.6	100	6.2
12	235	6.3	181	7.7	149	7.3	88	5.4
14	214	5.2	184	8.8	155	7.3	94	6.1
16	186	5.0	163	5.8	140	6.8	91	6.1
18	210	5.7	184	6.8	142	6.7	82	5.2
20	188	5.7	167	5.9	136	6.3	83	5.3
22	219	13.7	148	6.6	116	6.7	73	5.3
TOTAL	2516	72.7	2073	82.7	1697	80.2	1041	67.2
MEAN	210	6.1	173	6.9	141	6.7	87	5.6
MAX	287	4.2	221	7.8	178	6.5	107	6.2
(TIME)	6 : 00		6 : 00		6 : 00		8 : 00	

12/14/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	132	7.8	117	5.7	102	6.3	68	4.9
2	122	7.0	105	6.8	88	6.1	55	4.6
4	151	6.3	127	5.8	103	6.1	63	4.9
6	151	6.4	116	7.8	90	7.4	55	5.6
8	153	5.5	121	6.6	89	6.7	51	5.3
10	135	6.9	119	8.5	91	8.8	54	7.1
12	139	5.8	117	6.3	90	7.0	55	6.4
14	135	10.8	122	8.8	98	8.3	58	6.3
16	147	5.5	122	8.5	90	7.5	55	5.7
18	158	6.3	137	7.0	109	7.2	68	6.3
20	166	5.9	138	6.3	103	7.7	62	5.8
22	146	9.1	136	6.2	106	7.3	63	5.6
TOTAL	1735	83.3	1477	84.3	1159	86.4	707	68.5
MEAN	145	6.9	123	7.0	97	7.2	59	5.7
MAX	166	5.9	138	6.3	109	7.2	68	4.9
(TIME)	20 : 00		20 : 00		18 : 00		0 : 00	

12/14/1984								
TIME	HMAX	TMAX	H1/10	T1/10	H1/3	T1/3	HMEAN	TMEAN
(CM)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)	(CM)	(SEC)
0	147	5.8	134	5.8	111	5.9	72	4.9
2	141	4.6	115	6.3	93	6.4	57	4.5
4	156	5.4	130	6.1	106	6.0	63	4.9
6	135	7.0	120	8.3	93	8.2	57	6.0
8	150	5.8	123	7.1	91	6.8	52	5.2
10	144	6.7	121	8.2	96	8.2	58	7.4
12	133	5.4	123	7.3	94	7.7	59	6.7
14	144	6.7	122	9.1	100	8.5	59	6.3
16	139	5.6	123	7.2	94	7.4	57	5.9
18	174	6.3	141	6.9	110	7.0	66	6.0
20	184	5.9	147	7.3	106	7.9	63	6.0
22	166	6.4	138	6.6	109	7.6	66	5.7
TOTAL	1813	71.6	1537	86.2	1203	87.6	729	69.5
MEAN	151	6.0	128	7.2	100	7.3	61	5.8
MAX	184	5.9	147	7.3	111	5.9	72	4.9
(TIME)	20 : 00		20 : 00		0 : 00		0 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/15/1984 HMEAN (CM)	TMEAN (SEC)
0	154	5.2	110	6.1	87	6.2	54	4.8
2	129	7.7	105	5.6	86	6.1	56	4.8
4	140	4.9	119	7.2	98	5.8	64	4.3
6	181	7.4	155	6.9	127	6.1	83	4.8
8	245	10.0	164	7.7	135	7.1	82	5.0
10	158	4.7	149	8.3	126	7.0	81	5.2
12								
14								
16								
18	169	8.2	136	7.2	107	6.7	66	4.9
20	192	5.7	138	6.4	103	6.5	66	5.0
22	172	7.2	130	6.6	107	6.9	69	5.2
TOTAL	1540	61.0	1206	62.0	976	58.4	621	44.0
MEAN	171	6.8	134	6.9	108	6.5	69	4.9
MAX	245	10.0	164	7.7	135	7.1	83	4.8
(TIME)	8 : 00		8 : 00		8 : 00		6 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/15/1984 HMEAN (CM)	TMEAN (SEC)
0	162	11.9	117	6.9	90	6.6	56	4.7
2	132	9.5	105	6.6	87	6.4	56	4.8
4	151	7.1	125	6.2	99	5.4	65	4.3
6	185	4.2	159	5.9	125	6.3	84	5.0
8	240	6.2	177	7.3	138	7.1	84	5.0
10	190	6.0	160	8.7	133	7.5	88	5.6
12								
14								
16								
18	183	5.8	141	7.0	114	6.3	71	4.8
20	201	13.0	142	7.4	108	6.9	67	4.9
22	162	13.4	141	6.7	117	6.5	75	5.4
TOTAL	1606	77.1	1267	62.7	1011	59.0	646	44.5
MEAN	178	8.6	141	7.0	112	6.6	72	4.9
MAX	240	6.2	177	7.3	138	7.1	88	5.6
(TIME)	8 : 00		8 : 00		8 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/16/1984 HMEAN (CM)	TMEAN (SEC)
0	147	6.4	131	6.2	108	6.1	70	5.1
2	141	5.5	119	6.4	97	6.0	61	4.8
4	130	4.4	112	5.7	87	6.2	54	4.8
6	141	12.4	113	8.3	92	7.2	58	5.1
8	176	5.4	120	7.4	94	7.4	58	5.3
10	143	12.7	124	9.6	99	8.3	61	5.9
12	124	6.4	105	8.7	83	7.7	50	5.4
14								
16	117	5.6	94	7.3	74	6.6	46	4.6
18	117	5.4	101	7.0	76	6.0	48	4.4
20	152	5.4	100	7.5	73	6.2	46	4.0
22	146	4.9	116	6.6	86	5.8	53	4.1
TOTAL	1534	74.5	1235	80.7	969	73.5	605	53.5
MEAN	140	6.8	112	7.3	88	6.7	55	4.9
MAX	176	5.4	131	6.2	108	6.1	70	5.1
(TIME)	8 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/16/1984 HMEAN (CM)	TMEAN (SEC)
0	152	6.0	132	6.3	110	6.3	71	5.0
2	142	5.7	122	6.5	100	6.0	65	4.8
4	134	11.2	114	6.4	92	5.9	58	4.8
6	149	5.1	120	7.3	98	6.9	60	4.9
8	149	5.2	121	7.5	95	6.9	61	5.6
10	152	12.4	133	8.4	105	7.7	63	5.8
12	134	6.4	112	7.0	88	7.3	55	5.5
14								
16	127	6.6	100	7.1	77	6.0	45	4.4
18	138	5.4	109	6.5	81	6.0	49	4.5
20	158	5.2	111	7.5	83	6.5	50	4.4
22	141	4.9	120	6.9	87	6.3	52	4.3
TOTAL	1576	74.1	1294	77.4	1016	71.8	629	54.0
MEAN	143	6.7	118	7.0	92	6.5	57	4.9
MAX	158	5.2	133	8.4	110	6.3	71	5.0
(TIME)	20 : 00		10 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/17/1984 HMEAN (CM)	TMEAN (SEC)
0	185	5.2	133	5.6	106	5.4	67	3.8
2	214	6.2	162	6.1	138	5.3	90	4.6
4	210	4.2	169	6.4	138	6.1	86	4.4
6	456	5.0	219	6.9	163	6.0	92	4.2
8	212	7.8	188	5.9	160	6.1	103	4.8
10	308	8.8	239	6.4	198	6.4	126	5.4
12	221	11.5	200	6.3	172	6.4	105	4.9
14	348	4.5	217	5.9	174	6.4	109	5.1
16	219	5.0	185	6.7	152	5.9	97	5.1
18	193	4.6	163	6.7	136	6.5	86	5.0
20	213	6.1	156	6.3	131	6.5	85	5.0
22	256	10.1	181	8.2	144	7.6	89	6.1
TOTAL	3035	79.0	2212	77.4	1812	74.6	1135	58.4
MEAN	253	6.6	184	6.4	151	6.2	95	4.9
MAX	456	5.0	239	6.4	198	6.4	126	5.4
(TIME)	6 : 00		10 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/17/1984 HMEAN (CM)	TMEAN (SEC)
0	165	6.0	140	5.1	110	5.0	70	4.0
2	208	8.6	175	5.6	147	5.6	98	4.8
4	234	4.3	193	6.5	153	5.6	96	4.6
6	204	4.8	185	6.3	153	5.9	93	4.6
8	223	10.7	197	6.5	169	5.9	106	4.9
10	285	9.3	236	8.9	195	7.3	121	5.6
12	253	10.6	208	8.5	173	7.0	104	5.3
14	269	8.1	224	7.3	180	6.5	117	5.4
16	211	12.5	185	6.8	154	6.2	96	5.0
18	203	6.0	179	6.9	148	6.7	95	5.3
20	192	4.3	167	6.5	143	6.7	90	5.2
22	229	10.5	176	7.9	146	7.5	93	6.0
TOTAL	2676	95.7	2265	82.8	1871	75.9	1179	60.7
MEAN	223	8.0	189	6.9	156	6.3	98	5.1
MAX	285	9.3	236	8.9	195	7.3	121	5.6
(TIME)	10 : 00		10 : 00		10 : 00		10 : 00	

12/18/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	168	5.1	152	7.1	125	7.9	77	5.9
2	172	7.1	151	7.1	129	7.7	76	5.7
4	192	7.5	140	6.8	117	6.7	67	5.3
6	155	6.1	146	7.4	124	7.4	75	5.7
8	179	7.1	134	7.9	98	7.9	55	6.0
10	164	7.5	134	8.1	104	8.5	59	6.3
12	160	11.8	136	8.3	108	8.6	63	6.0
14	178	6.5	155	7.1	125	7.0	78	5.0
16	193	6.2	148	6.1	120	6.1	73	4.4
18	179	6.2	149	6.5	123	6.7	80	4.9
20	169	5.9	147	6.8	119	6.8	73	4.8
22	205	7.1	147	7.9	113	7.5	68	5.3
TOTAL	2114	84.1	1739	87.1	1405	88.8	844	65.3
MEAN	176	7.0	145	7.3	117	7.4	70	5.4
MAX	205	7.1	155	7.1	129	7.7	80	4.9
(TIME)	22 : 00		14 : 00		2 : 00		18 : 00	

12/18/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	176	11.9	160	7.8	130	7.5	81	6.0
2	179	7.2	158	7.4	134	7.8	84	6.3
4	187	7.5	144	6.8	122	6.8	71	5.5
6	171	8.6	154	6.8	129	6.8	80	5.7
8	193	6.9	140	7.8	103	7.7	58	6.1
10	168	11.0	136	8.3	104	8.2	56	5.7
12	159	12.3	137	8.2	108	7.6	60	5.4
14	196	5.7	167	6.9	135	6.8	83	5.0
16	184	5.4	152	6.5	124	6.2	79	4.8
18	164	6.1	148	6.2	120	6.1	77	5.1
20	189	5.4	155	6.7	123	6.6	78	5.2
22	167	7.2	149	8.9	117	7.2	66	5.1
TOTAL	2133	95.2	1800	88.3	1449	85.3	873	65.9
MEAN	178	7.9	150	7.4	121	7.1	73	5.5
MAX	196	5.7	167	6.9	135	6.8	84	6.3
(TIME)	14 : 00		14 : 00		14 : 00		2 : 00	

12/19/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	149	6.6	133	6.6	111	6.8	75	5.9
2	173	6.3	137	7.3	107	7.1	67	5.8
4	133	5.9	115	7.2	89	7.4	59	6.6
6	112	10.0	103	7.7	82	7.6	54	6.3
8	143	6.5	116	7.2	96	7.4	63	5.9
10	200	6.6	153	7.2	127	6.9	79	5.2
12	195	10.0	180	8.2	148	7.5	92	5.7
14	229	8.4	201	7.5	174	7.2	109	5.8
16	303	11.1	196	7.0	157	7.9	91	5.5
18	172	12.2	154	6.4	132	6.7	83	5.1
20	199	5.7	148	5.3	120	5.7	74	4.4
22	228	5.5	175	6.6	143	6.3	91	5.3
TOTAL	2236	94.8	1811	84.2	1486	84.5	937	67.5
MEAN	186	7.9	151	7.0	124	7.0	78	5.6
MAX	303	11.1	201	7.5	174	7.2	109	5.8
(TIME)	16 : 00		14 : 00		14 : 00		14 : 00	

12/19/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	161	6.5	142	7.3	120	7.3	81	6.2
2	177	6.1	143	7.4	115	7.3	71	6.0
4	127	5.8	114	7.7	88	7.6	58	6.4
6	112	7.5	101	6.8	83	7.2	54	6.3
8	128	8.6	117	7.6	97	7.2	66	6.0
10	182	6.5	150	7.3	125	7.0	78	5.3
12	224	8.5	183	8.3	146	7.5	88	5.4
14	224	7.5	198	7.5	173	7.2	106	5.7
16	269	11.1	198	7.8	159	7.7	97	5.5
18	211	9.5	158	7.4	134	6.9	84	5.0
20	208	5.5	154	5.2	125	5.8	78	4.6
22	253	4.1	186	6.1	148	6.1	92	5.3
TOTAL	2276	87.2	1844	86.4	1513	84.8	953	67.7
MEAN	190	7.3	154	7.2	126	7.1	79	5.6
MAX	269	11.1	198	7.5	173	7.2	106	5.7
(TIME)	16 : 00		14 : 00		14 : 00		14 : 00	

12/20/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	305	11.5	214	7.7	161	7.1	95	5.6
2	244	11.5	219	10.4	176	7.9	102	5.7
4	259	14.2	222	7.9	181	7.4	109	5.9
6	237	5.5	208	9.1	165	7.8	101	6.0
8	208	14.0	182	7.1	153	6.6	94	5.8
10	217	10.9	194	7.4	154	6.9	88	5.4
12	283	7.2	227	7.9	174	7.2	101	5.7
14	257	10.8	222	9.9	178	7.9	104	6.5
16	244	14.0	191	9.1	151	7.4	88	5.6
18	163	17.1	133	6.3	111	5.3	71	4.9
20	149	5.9	123	4.7	97	5.4	62	4.5
22	190	3.4	123	6.1	97	5.2	61	4.3
TOTAL	2756	126.0	2258	93.6	1798	82.1	1076	65.9
MEAN	230	10.5	188	7.8	150	6.8	90	5.5
MAX	305	11.5	227	7.9	181	7.4	109	5.9
(TIME)	0 : 00		12 : 00		4 : 00		4 : 00	

12/20/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	267	12.5	215	8.5	170	7.0	97	5.5
2	266	11.5	224	8.4	182	7.9	108	6.1
4	267	6.5	230	8.1	179	7.4	104	5.7
6	238	14.2	193	8.1	160	7.2	99	5.8
8	209	3.4	186	8.0	157	6.6	90	5.4
10	241	10.8	192	8.2	154	6.8	87	5.3
12	242	4.1	216	8.1	173	7.0	100	5.8
14	263	16.1	234	11.1	189	9.7	112	7.2
16	204	14.3	194	8.4	160	7.7	98	6.3
18	172	16.6	141	5.6	112	5.4	69	4.6
20	129	3.6	114	4.8	96	5.1	64	4.6
22	174	7.0	137	5.7	104	5.3	64	4.5
TOTAL	2672	120.6	2276	93.0	1836	83.1	1092	66.8
MEAN	223	10.0	190	7.7	153	6.9	91	5.6
MAX	267	12.5	234	11.1	189	9.7	112	7.2
(TIME)	0 : 00		14 : 00		14 : 00		14 : 00	

12/21/1984								
NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	180	6.0	147	6.2	120	6.3	75	5.1
2	244	3.3	191	5.3	144	6.1	80	5.2
4	188	6.7	160	7.2	130	8.3	76	6.0
6	193	13.4	166	9.1	144	8.1	91	6.6
8	177	12.6	159	7.6	130	7.2	80	6.4
10	169	14.6	152	7.0	129	6.5	77	5.8
12	212	13.0	189	7.5	156	7.1	89	6.0
14	200	7.5	171	6.9	140	7.7	79	6.3
16	172	13.3	148	7.2	123	8.2	71	5.9
18	150	6.5	133	8.3	108	7.3	67	5.7
20								
22	123	4.8	105	4.9	88	4.6	58	4.2
TOTAL	2008	101.7	1721	77.2	1412	77.4	843	63.2
MEAN	183	9.2	157	7.0	128	7.0	77	5.7
MAX	244	3.3	191	5.3	156	7.1	91	6.6
(TIME)	2 : 00		2 : 00		12 : 00		6 : 00	

12/21/1984								
NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	210	5.8	153	5.4	119	6.1	73	4.8
2	248	5.0	179	6.3	144	6.3	82	5.7
4	202	6.5	163	7.9	129	8.0	77	5.8
6	208	13.9	169	8.0	144	7.5	86	6.2
8	239	5.6	165	8.0	132	7.4	79	5.9
10	165	12.7	152	6.6	131	6.9	82	6.3
12	232	6.3	192	6.8	156	7.2	86	5.9
14	208	7.2	172	6.6	142	7.5	81	6.4
16	175	13.4	147	8.6	129	8.8	76	6.6
18	141	6.2	128	8.7	110	7.1	67	5.6
20								
22	155	5.4	111	4.5	91	4.6	60	4.5
TOTAL	2183	88.0	1731	77.4	1427	77.4	849	63.7
MEAN	199	8.0	157	7.0	130	7.0	77	5.8
MAX	248	5.0	192	6.8	156	7.2	86	6.2
(TIME)	2 : 00		12 : 00		12 : 00		6 : 00	

12/22/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	153	5.5	130	5.7	108	5.4	68	4.7
2	177	5.3	149	6.1	118	6.7	69	5.2
4	176	7.9	157	6.6	131	6.6	80	5.8
6	145	5.8	128	7.6	100	8.5	62	6.8
8	164	5.4	145	6.0	113	7.3	68	6.3
10	156	6.1	136	6.5	107	7.8	61	5.9
12	162	6.2	136	7.3	99	7.9	57	6.3
14	184	12.1	142	7.4	103	5.9	63	4.2
16	176	4.6	159	7.0	133	6.6	86	5.0
18	168	4.8	145	6.6	113	5.6	72	4.4
20	174	3.9	119	5.2	96	5.0	62	3.9
22	132	4.9	104	4.4	85	4.6	55	3.5
TOTAL	1967	72.5	1650	76.4	1306	77.9	803	62.0
MEAN	164	6.0	138	6.4	109	6.5	67	5.2
MAX	184	12.1	159	7.0	133	6.6	86	5.0
(TIME)	14 : 00		16 : 00		16 : 00		16 : 00	

12/22/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	146	4.6	128	5.3	105	5.2	66	4.8
2	174	6.0	153	6.6	123	7.2	75	5.9
4	177	5.9	161	6.6	129	7.1	78	5.7
6	160	6.6	134	8.5	106	8.8	64	6.9
8	159	5.3	144	6.0	110	7.1	65	6.2
10	162	6.1	140	7.1	110	7.5	66	6.2
12	165	6.5	134	6.9	101	8.2	58	6.6
14	249	4.6	149	7.0	111	6.3	66	4.5
16	199	3.9	157	6.4	134	6.4	86	5.0
18	162	6.3	138	5.3	113	5.4	71	4.1
20	176	10.0	120	5.0	96	4.9	61	3.9
22	148	3.5	106	5.3	87	4.9	58	3.6
TOTAL	2077	69.3	1664	76.0	1325	79.0	814	63.4
MEAN	173	5.8	139	6.3	110	6.6	68	5.3
MAX	249	4.6	161	6.6	134	6.4	86	5.0
(TIME)	14 : 00		4 : 00		16 : 00		16 : 00	

12/23/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	141	5.3	116	5.4	96	5.3	63	3.8
2	169	4.8	149	5.5	125	5.2	80	4.3
4	182	4.9	154	5.5	129	5.5	83	4.7
6	178	6.9	158	6.6	132	6.3	78	4.5
8	181	4.2	153	6.1	123	6.1	77	4.5
10	173	5.9	138	5.9	113	5.7	69	4.2
12	163	7.5	126	6.7	103	5.9	67	4.4
14	171	6.7	131	6.9	101	6.6	63	5.1
16	156	10.5	114	6.6	90	6.7	55	5.3
18	121	6.2	96	8.6	80	7.1	50	5.7
20	110	5.6	99	7.8	80	7.3	48	5.5
22	86	5.8	73	5.9	61	5.5	39	4.1
TOTAL	1831	74.3	1507	77.5	1233	73.2	772	56.1
MEAN	153	6.2	126	6.5	103	6.1	64	4.7
MAX	182	4.9	158	6.6	132	6.3	83	4.7
(TIME)	4 : 00		6 : 00		6 : 00		4 : 00	

12/23/1984								
TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0	139	9.1	119	6.0	99	5.3	65	3.9
2	159	5.0	144	6.0	124	5.6	80	4.4
4	173	6.0	153	5.6	131	6.0	80	4.3
6	192	9.2	159	6.5	133	6.4	80	4.5
8	175	5.2	151	5.6	123	5.7	74	4.2
10	175	4.6	140	5.7	112	5.4	67	4.0
12	174	6.0	136	6.7	108	6.0	67	4.4
14	167	6.4	135	7.0	100	6.6	65	5.3
16	161	9.1	118	7.6	90	7.3	56	5.2
18	122	9.6	97	7.4	79	7.4	50	5.7
20	107	5.1	95	7.6	80	7.4	49	5.6
22	89	5.7	75	6.3	63	5.7	41	4.4
TOTAL	1833	81.0	1522	78.0	1242	74.8	774	55.9
MEAN	153	6.7	127	6.5	104	6.2	65	4.7
MAX	192	9.2	159	6.5	133	6.4	80	4.4
(TIME)	6 : 00		6 : 00		6 : 00		2 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/24/1984 HMEAN (CM)	TMEAN (SEC)
0	97	4.4	83	6.2	67	5.4	40	4.0
2	119	7.9	109	6.9	85	7.2	52	5.6
4	133	10.6	98	8.9	71	8.5	41	6.5
6	97	7.1	81	9.8	65	9.3	38	7.1
8	115	10.3	94	7.7	70	9.1	39	6.3
10	137	6.4	96	8.1	72	8.1	42	6.4
12								
14	237	10.5	188	8.0	137	8.1	72	6.4
16	202	11.8	173	8.2	125	8.9	71	7.4
18	187	11.1	170	6.2	146	6.6	83	6.0
20	135	5.2	120	5.6	98	6.1	56	4.4
22	146	5.2	97	5.5	82	5.5	54	4.2
TOTAL	1605	90.5	1309	81.1	1018	82.8	588	64.3
MEAN	146	8.2	119	7.4	93	7.5	54	5.8
MAX	237	10.5	188	8.0	146	6.6	83	6.0
(TIME)	14 : 00		14 : 00		18 : 00		18 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/24/1984 HMEAN (CM)	TMEAN (SEC)
0	91	5.8	83	5.9	68	5.8	44	4.6
2	119	5.7	106	6.8	85	6.8	53	5.7
4	132	6.8	99	8.0	72	8.2	42	6.5
6	108	7.0	82	8.7	66	8.9	39	7.2
8	117	10.2	97	8.1	73	9.2	42	6.9
10	136	6.4	99	7.7	74	8.3	45	6.7
12								
14	248	5.0	194	7.0	145	8.0	76	6.4
16	209	6.9	166	7.9	122	8.9	67	7.0
18	217	11.5	171	6.0	142	6.6	81	6.1
20	126	5.2	115	5.7	92	6.1	52	4.4
22	114	5.4	100	5.4	83	5.3	54	4.4
TOTAL	1617	75.9	1312	77.2	1022	82.1	595	65.9
MEAN	147	6.9	119	7.0	93	7.5	54	6.0
MAX	248	5.0	194	7.0	145	8.0	81	6.1
(TIME)	14 : 00		14 : 00		14 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/25/1984 HMEAN (CM)	TMEAN (SEC)
0	111	5.1	91	5.0	73	4.9	45	3.7
2	167	5.2	126	5.6	103	5.7	65	4.3
4	150	6.4	128	6.4	103	6.2	61	4.5
6	150	6.7	117	7.2	95	6.6	56	4.4
8	149	7.8	123	6.9	98	6.6	59	4.9
10	167	6.6	144	6.9	119	6.9	71	5.0
12	171	5.8	134	6.9	105	6.8	61	5.1
14	115	6.8	102	7.1	75	7.5	44	5.0
16	100	5.9	89	7.8	70	7.4	41	5.4
18	100	6.6	72	7.7	57	7.1	34	5.2
20	69	9.9	54	7.8	42	7.5	24	4.4
22	77	5.4	60	6.8	47	5.8	29	3.9
TOTAL	1526	78.2	1240	82.1	987	79.0	590	55.8
MEAN	127	6.5	103	6.8	82	6.6	49	4.6
MAX	171	5.8	144	6.9	119	6.9	71	5.0
(TIME)	12 : 00		10 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/25/1984 HMEAN (CM)	TMEAN (SEC)
0	113	4.9	86	5.7	69	5.4	43	3.7
2	134	3.3	119	5.9	99	5.8	64	4.3
4	148	6.0	131	6.6	106	6.5	66	4.9
6	134	6.6	112	7.4	91	6.6	59	4.6
8	162	6.7	131	6.4	102	6.5	62	4.8
10	185	6.2	157	7.0	124	7.0	73	5.1
12	184	6.0	140	6.9	109	6.6	64	5.2
14	118	6.9	102	6.9	80	7.2	49	5.6
16	104	7.1	91	7.6	73	7.6	45	5.9
18	100	6.6	75	7.7	58	7.7	35	5.7
20	75	9.9	56	8.4	44	7.4	25	4.8
22	80	5.4	60	6.1	46	5.6	28	3.9
TOTAL	1537	75.6	1260	82.6	1001	79.9	613	58.5
MEAN	128	6.3	105	6.9	83	6.7	51	4.9
MAX	185	6.2	157	7.0	124	7.0	73	5.1
(TIME)	10 : 00		10 : 00		10 : 00		10 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/26/1984 HMEAN (CM)	TMEAN (SEC)
0	68	8.5	58	7.1	45	6.4	27	4.3
2	63	6.1	55	6.8	41	7.8	23	4.9
4	47	5.9	42	8.3	33	8.0	19	5.2
6	49	9.1	40	8.7	31	7.0	18	4.3
8	53	2.9	43	7.0	33	5.7	19	3.7
10	62	9.3	38	6.5	29	5.8	18	3.9
12	46	6.6	35	6.6	27	4.5	16	3.1
14	42	7.6	34	9.1	28	8.2	16	5.2
16	42	10.4	32	8.5	24	6.5	13	3.8
18	45	11.1	38	8.9	28	7.6	15	4.4
20	60	9.1	45	5.4	34	4.1	22	2.7
22	85	3.3	56	4.5	43	4.3	28	3.3
TOTAL	662	89.9	516	87.4	396	75.9	234	48.8
MEAN	55	7.5	43	7.3	33	6.3	20	4.1
MAX	85	3.3	58	7.1	45	6.4	28	3.3
(TIME)	22 : 00		0 : 00		0 : 00		22 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/26/1984 HMEAN (CM)	TMEAN (SEC)
0	65	8.3	55	7.1	44	6.4	27	4.4
2	67	5.4	55	6.4	42	7.7	25	5.5
4	51	6.2	43	7.8	33	7.8	19	5.2
6	47	8.6	40	8.6	32	7.0	18	4.4
8	57	10.4	43	6.8	34	6.2	21	4.2
10	57	5.9	38	6.5	29	5.6	18	3.9
12	48	6.5	39	8.0	30	6.5	18	4.1
14	40	7.0	36	7.7	28	7.9	17	5.5
16	40	10.8	33	8.9	25	7.2	14	4.2
18	46	11.6	39	9.3	29	8.2	15	4.6
20	69	4.8	44	5.1	34	4.0	22	2.7
22	74	3.8	53	4.4	44	4.2	28	3.3
TOTAL	661	89.3	518	86.6	404	78.7	242	52.0
MEAN	55	7.4	43	7.2	34	6.6	20	4.3
MAX	74	3.8	55	7.1	44	6.4	28	3.3
(TIME)	22 : 00		0 : 00		0 : 00		22 : 00	

NO.1 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/27/1984	
							HMEAN (CM)	TMEAN (SEC)
0	62	3.7	51	5.3	42	4.9	29	3.8
2	93	5.5	57	6.3	43	5.1	27	4.1
4	51	6.4	47	5.9	39	5.5	25	4.0
6	56	10.2	45	7.8	37	6.7	21	4.3
8	51	11.4	45	6.7	37	6.2	22	4.1
10								
12								
14								
16								
18								
20								
22	62	8.6	48	6.8	38	6.2	23	4.1
TOTAL	375	45.8	293	38.8	236	34.6	147	24.4
MEAN	63	7.6	49	6.5	39	5.8	25	4.1
MAX	93	5.5	57	6.3	43	5.1	29	3.8
(TIME)	2 : 00		2 : 00		2 : 00		0 : 00	

NO.2 TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/27/1984	
							HMEAN (CM)	TMEAN (SEC)
0	70	3.9	56	5.1	44	5.1	30	4.0
2	83	8.6	59	6.3	45	5.4	28	4.0
4	54	4.6	47	5.8	39	5.6	24	4.0
6	58	10.2	49	7.8	40	7.1	25	5.1
8	52	6.9	46	6.7	36	6.1	22	4.3
10								
12								
14								
16								
18								
20								
22	61	6.7	49	6.6	38	5.9	24	4.3
TOTAL	378	40.9	306	38.3	242	35.2	153	25.7
MEAN	63	6.8	51	6.4	40	5.9	26	4.3
MAX	83	8.6	59	6.3	45	5.4	30	4.0
(TIME)	2 : 00		2 : 00		2 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/28/1984	
							HMEAN (CM)	TMEAN (SEC)
0	62	5.8	48	6.1	40	5.8	25	4.0
2	63	6.7	50	6.4	39	5.9	23	3.9
4	66	6.3	45	7.0	36	6.3	22	4.3
6	72	6.2	54	7.3	42	6.7	26	4.7
8	80	3.9	66	5.1	50	4.4	33	3.2
10	108	4.0	77	4.5	61	4.2	40	3.4
12	86	4.8	72	4.7	60	4.8	38	3.7
14	75	5.2	65	5.3	54	4.7	33	3.5
16	87	3.0	76	3.9	60	3.9	38	3.0
18	97	3.9	87	4.0	73	4.1	47	3.4
20	92	2.5	80	4.3	67	4.5	43	3.6
22	101	3.7	76	4.5	64	4.8	41	3.6
TOTAL	989	56.0	796	63.1	646	60.1	409	44.3
MEAN	82	4.7	66	5.3	54	5.0	34	3.7
MAX	108	4.0	87	4.0	73	4.1	47	3.4
(TIME)	10 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/28/1984	
							HMEAN (CM)	TMEAN (SEC)
0	58	5.8	48	6.3	40	5.7	25	4.1
2	67	6.5	50	6.9	39	5.9	24	4.2
4	77	6.0	49	7.2	39	6.1	24	4.3
6	68	6.2	55	7.1	43	7.2	25	4.9
8	83	3.2	64	5.3	51	4.1	34	3.2
10	118	4.0	81	4.3	64	4.2	42	3.5
12	96	4.8	75	5.0	61	4.6	39	3.6
14	87	4.7	67	5.5	55	5.1	36	3.8
16	102	5.7	80	3.9	64	3.9	41	3.1
18	113	5.1	89	3.9	73	4.0	46	3.4
20	94	8.1	83	4.5	70	4.6	46	3.7
22	103	8.7	82	5.3	66	4.8	40	3.5
TOTAL	1066	68.8	823	65.2	665	60.2	422	45.3
MEAN	89	5.7	69	5.4	55	5.0	35	3.8
MAX	118	4.0	89	3.9	73	4.0	46	3.4
(TIME)	10 : 00		18 : 00		18 : 00		18 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/29/1984	
							HMEAN (CM)	TMEAN (SEC)
0	97	4.6	79	4.8	64	4.7	42	3.8
2	99	7.0	75	4.9	60	4.8	37	3.7
4	81	4.1	65	6.7	54	5.5	34	4.0
6	83	6.0	65	5.3	51	5.3	33	3.9
8	71	4.1	59	6.3	49	5.7	32	4.6
10	70	5.7	58	6.2	46	5.7	27	3.6
12								
14	68	6.5	57	6.7	47	6.2	29	4.2
16	77	8.8	61	7.4	46	5.8	28	3.9
18	86	5.8	73	6.6	58	5.8	37	4.0
20								
22								
TOTAL	732	52.6	592	54.9	475	49.5	299	35.7
MEAN	81	5.8	66	6.1	53	5.5	33	4.0
MAX	99	7.0	79	4.8	64	4.7	42	3.8
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

TIME	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	12/29/1984	
							HMEAN (CM)	TMEAN (SEC)
0	110	4.5	82	4.9	66	5.1	41	3.8
2	116	5.0	76	4.9	61	5.1	38	3.8
4	80	4.4	66	6.4	54	5.3	36	4.0
6	95	5.7	67	6.3	54	5.7	35	4.1
8	74	5.8	59	6.8	50	5.9	33	4.7
10	71	6.7	61	5.9	49	6.0	29	4.2
12								
14	69	4.0	59	7.0	51	6.9	32	4.7
16	71	6.1	58	7.8	46	6.3	27	4.1
18	93	4.4	74	6.3	60	5.2	39	4.0
20								
22								
TOTAL	779	46.6	602	56.3	491	51.5	310	37.4
MEAN	87	5.2	67	6.3	55	5.7	34	4.2
MAX	116	5.0	82	4.9	66	5.1	41	3.8
(TIME)	2 : 00		0 : 00		0 : 00		0 : 00	

NO.1 TIME	12/30/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	12/31/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

NO.2 TIME	12/30/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

TIME	12/31/1984							
	HMAX (CM)	TMAX (SEC)	H1/10 (CM)	T1/10 (SEC)	H1/3 (CM)	T1/3 (SEC)	HMEAN (CM)	TMEAN (SEC)
0								
2								
4								
6								
8								
10								
12								
14								
16								
18								
20								
22								
TOTAL MEAN MAX (TIME)	0 : 00		0 : 00		0 : 00		0 : 00	

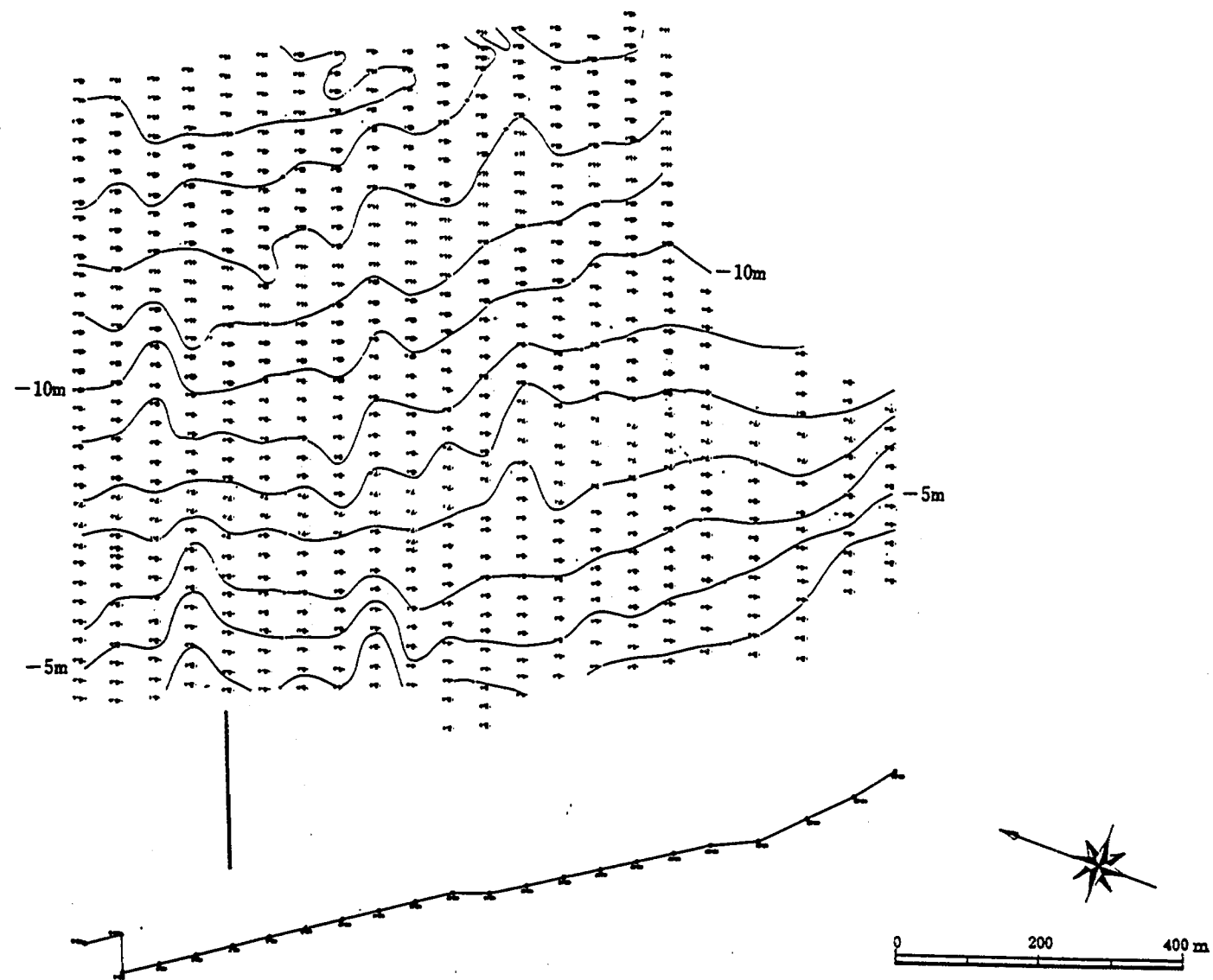
3.6 Contour Maps at Ajigaura Beach

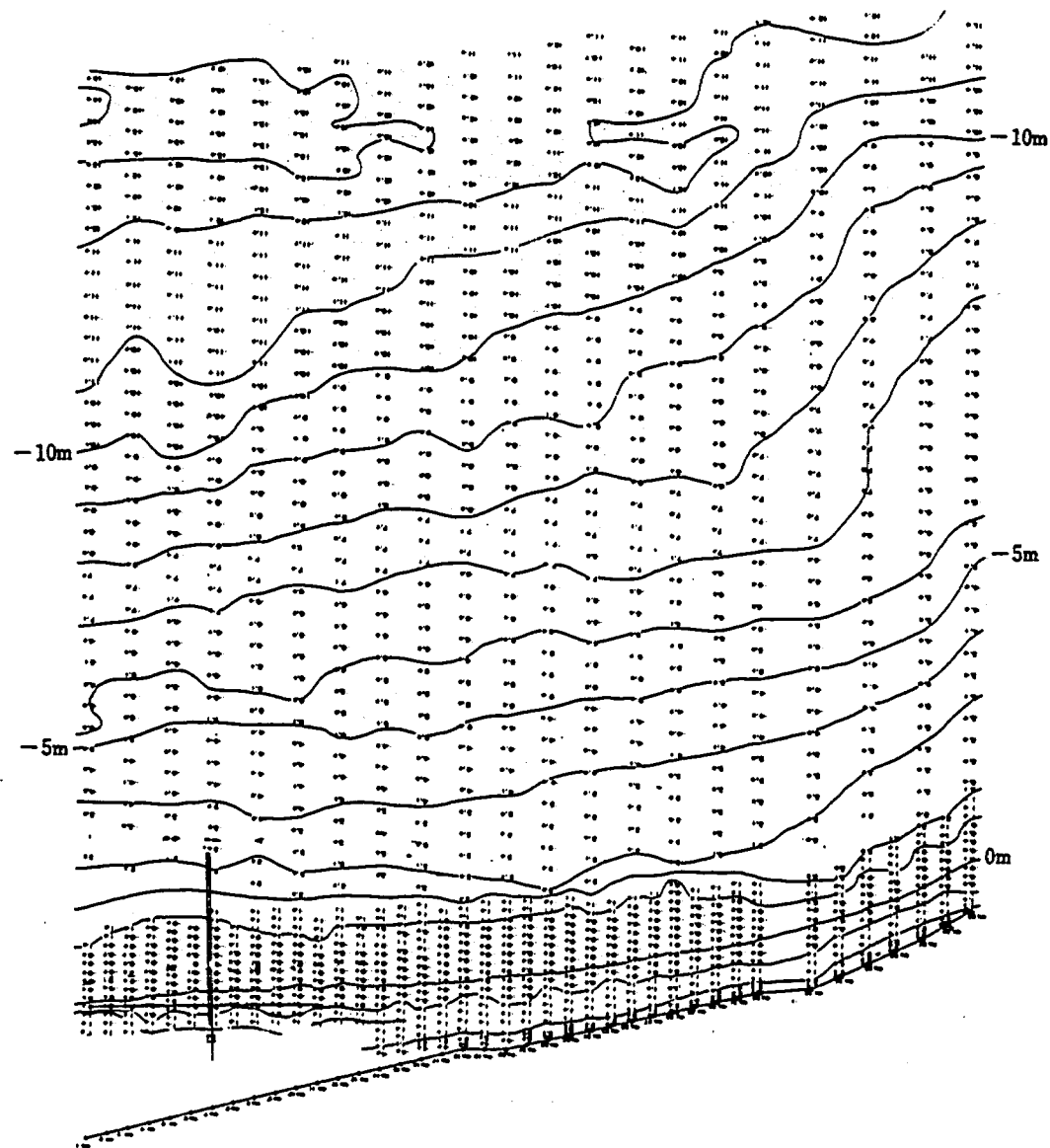
Soundings in the offshore zone have been conducted 10 times between August, 1976 and October, 1984 at Ajigaura Beach. Table 3 summarized the dates of these soundings.

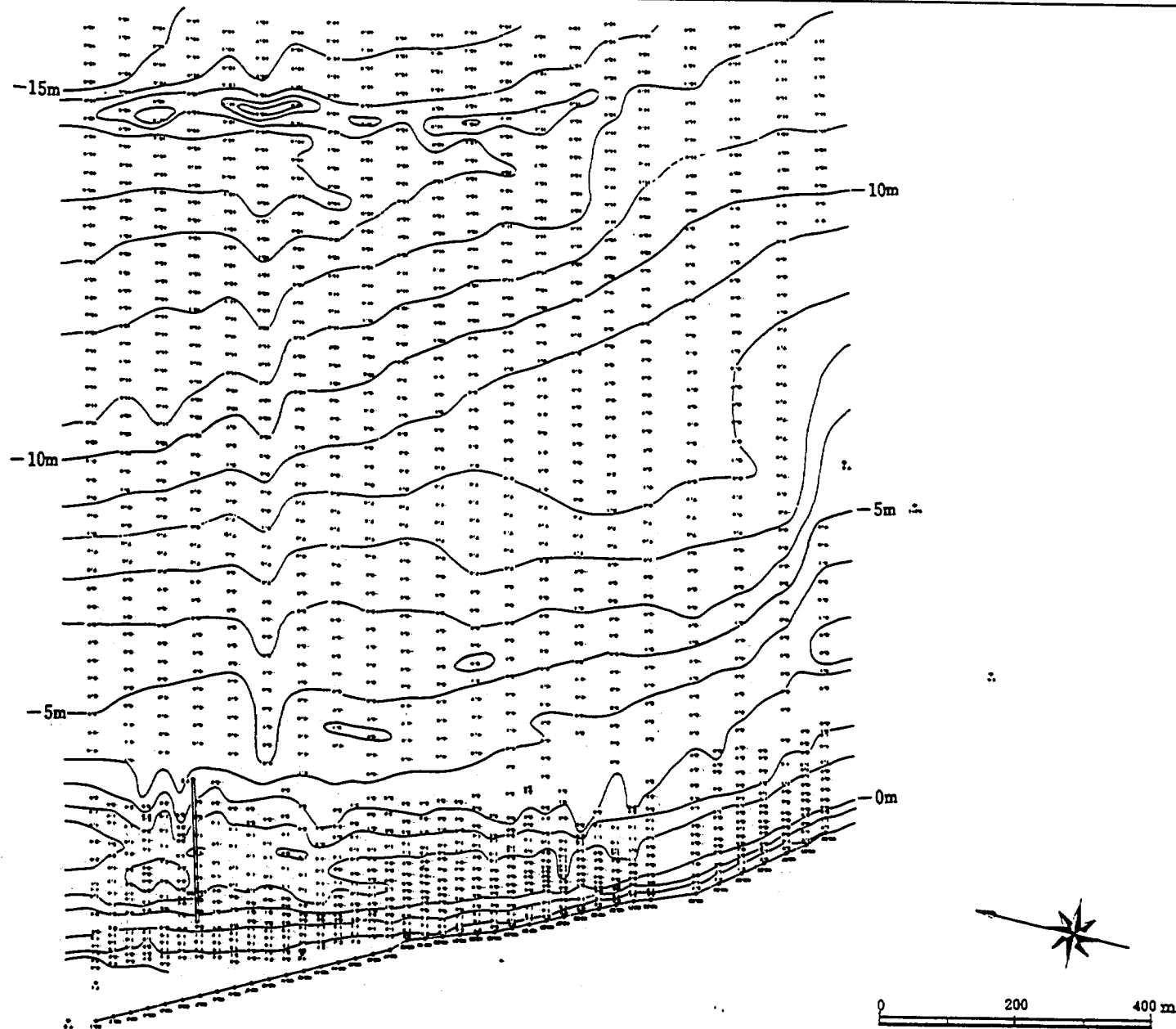
Table 3 Summary of dates of the soundings

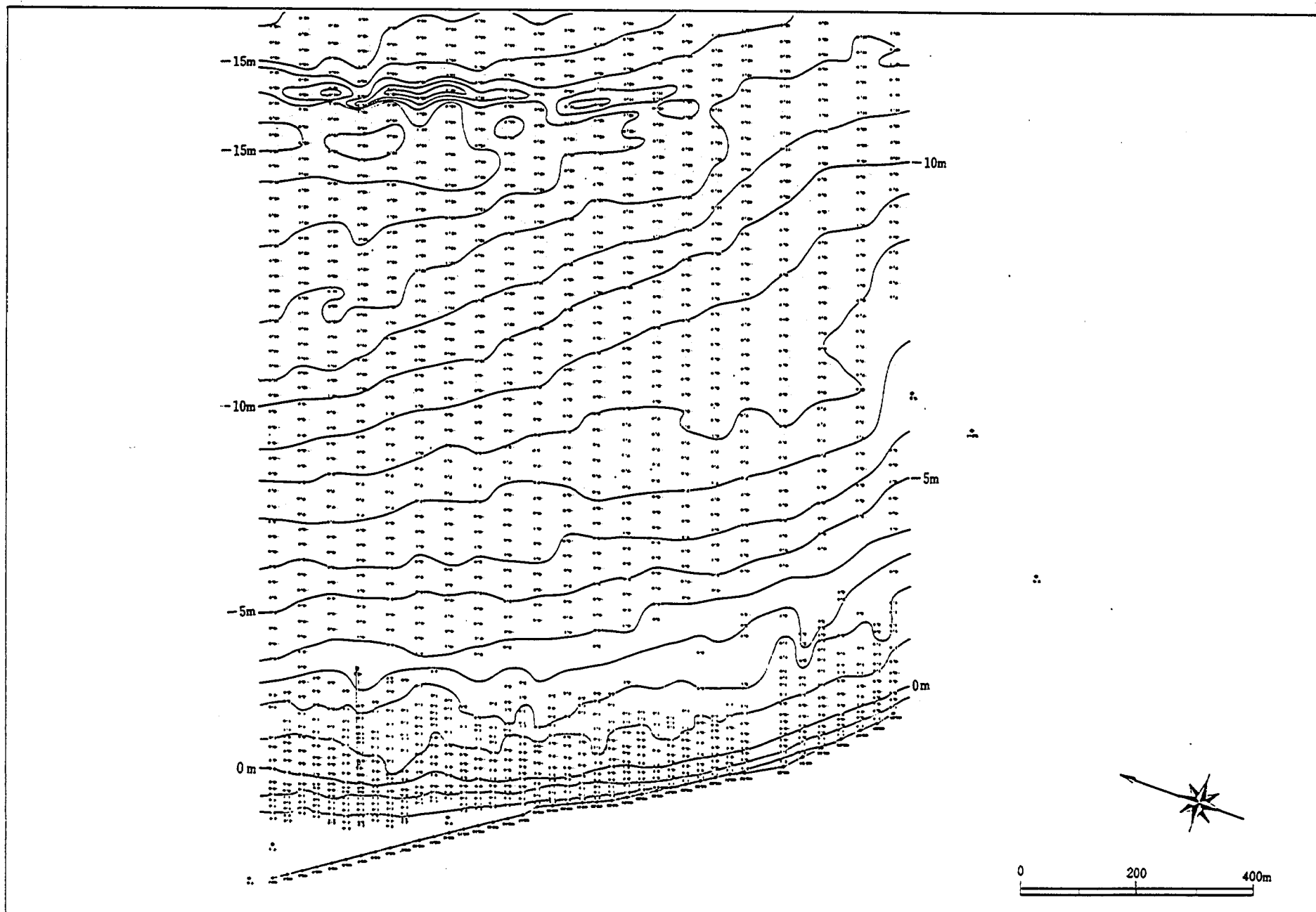
Number	Data
1	Aug. 1976
2	Aug. 1978
3	Sep. 1979
4	Feb. 1980
5	Sep. 1980
6	Mar. 1981
7	Sep. 1981
8	Sep. 1982
9	Oct. 1983
10	Oct. 1984

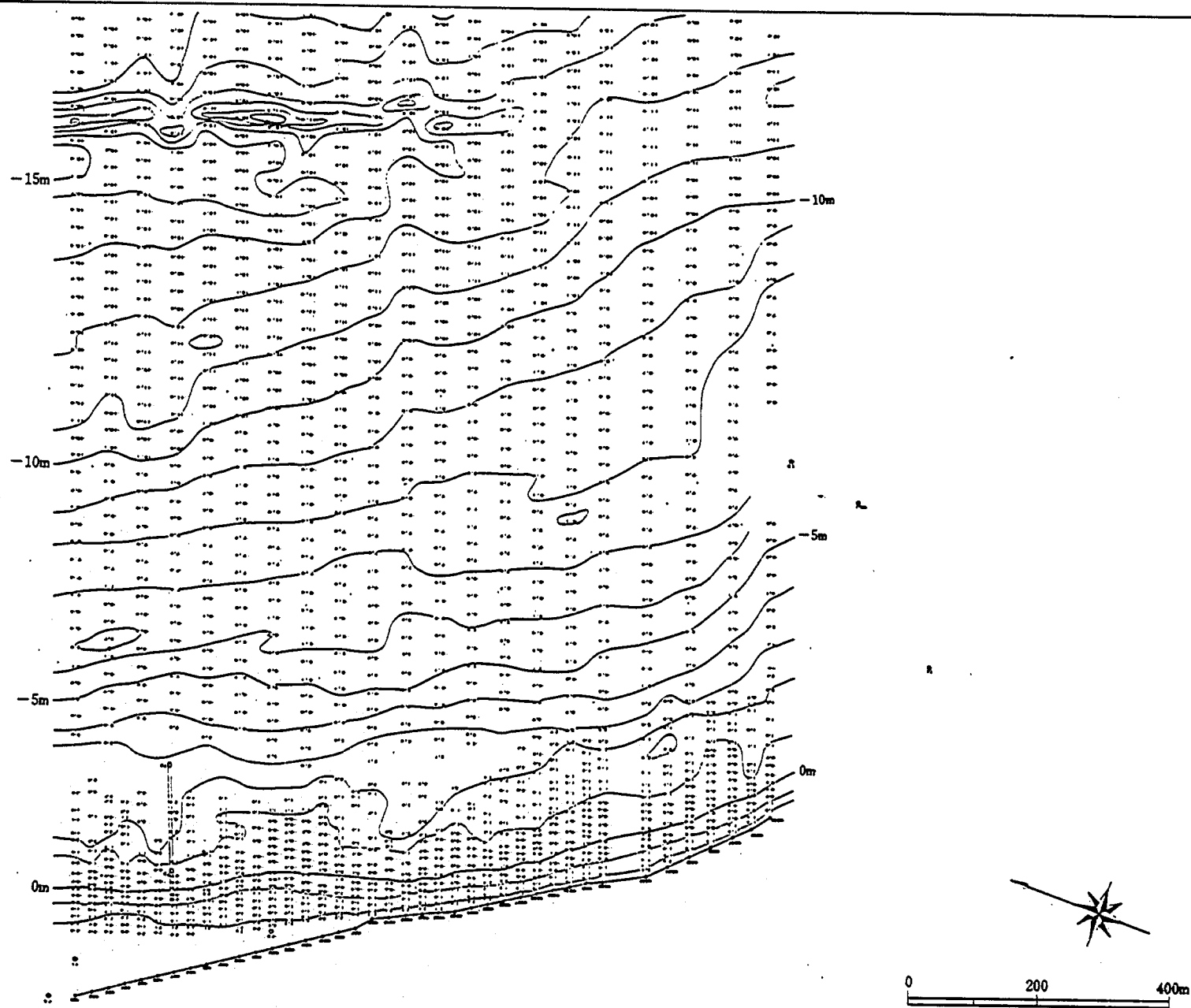
In the following pages contour maps obtained by the soundings will be shown by the order.

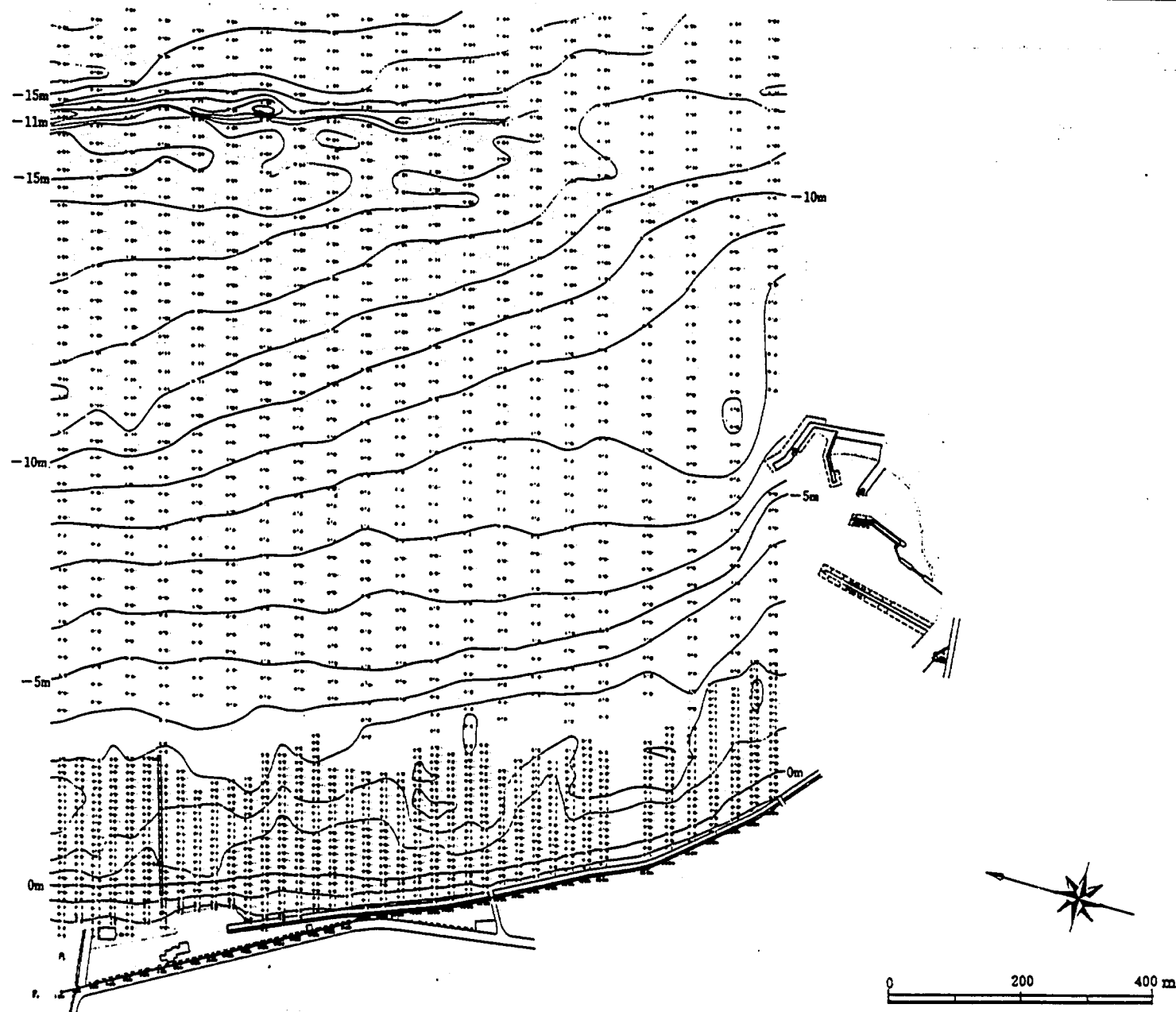


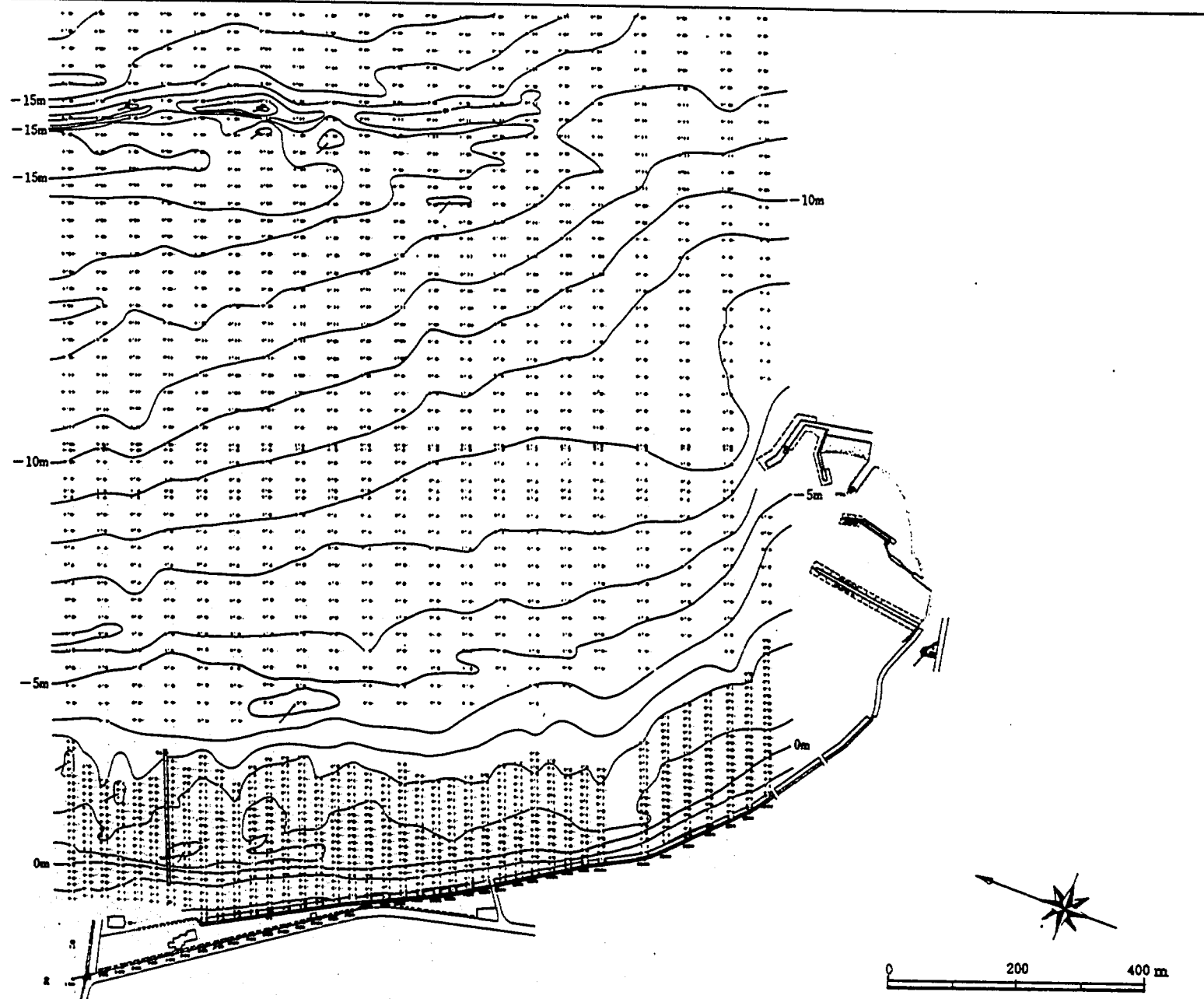


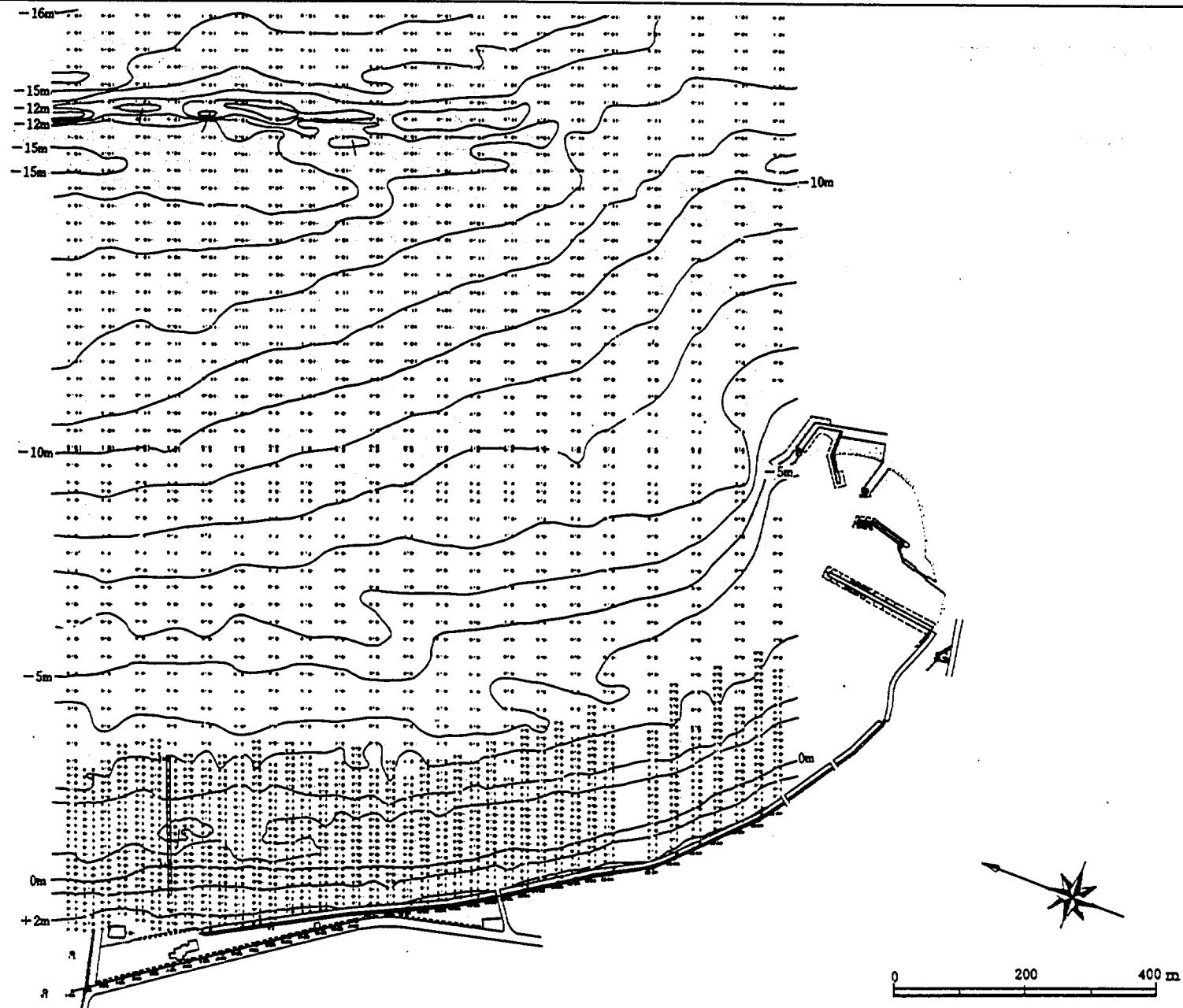


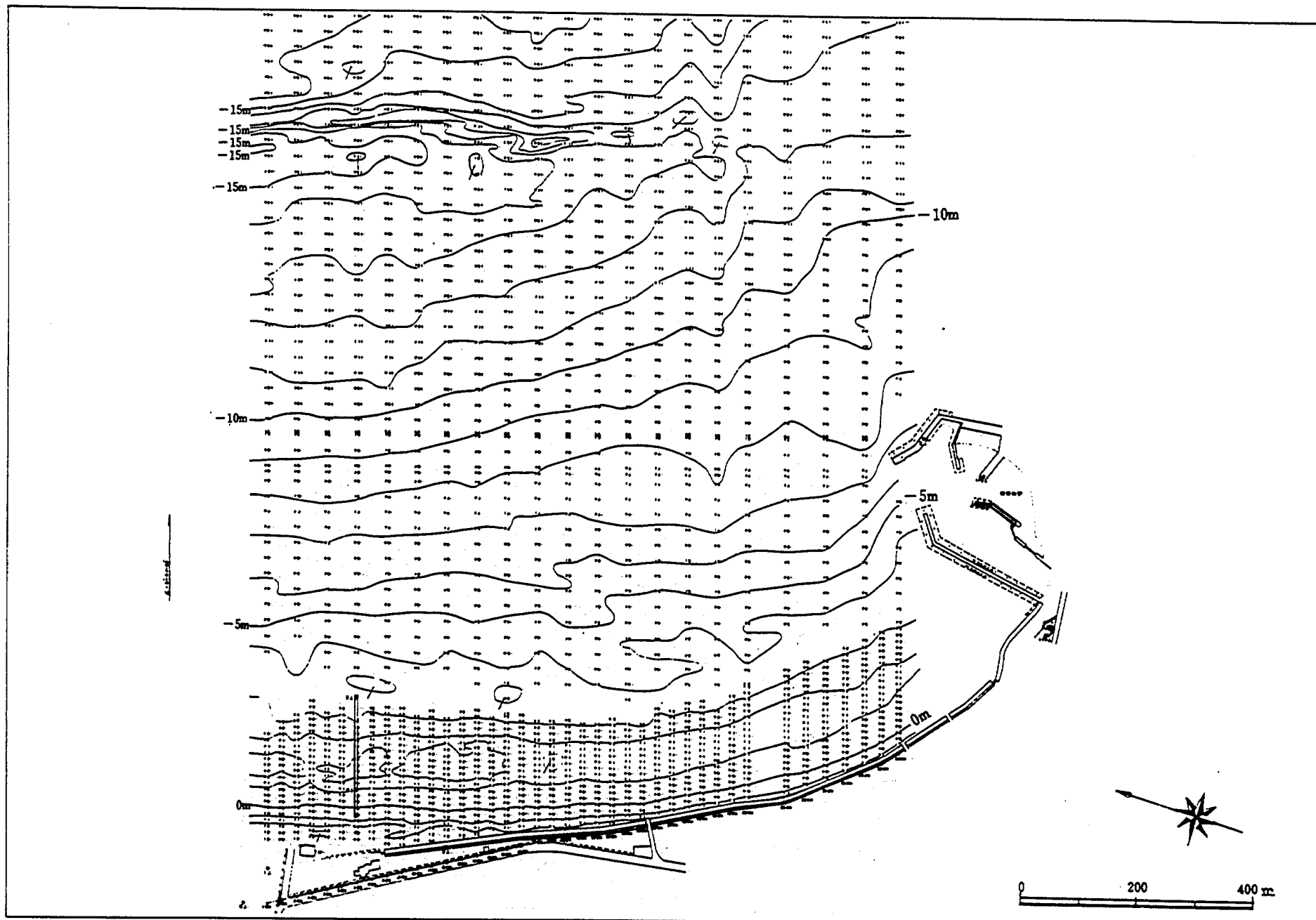


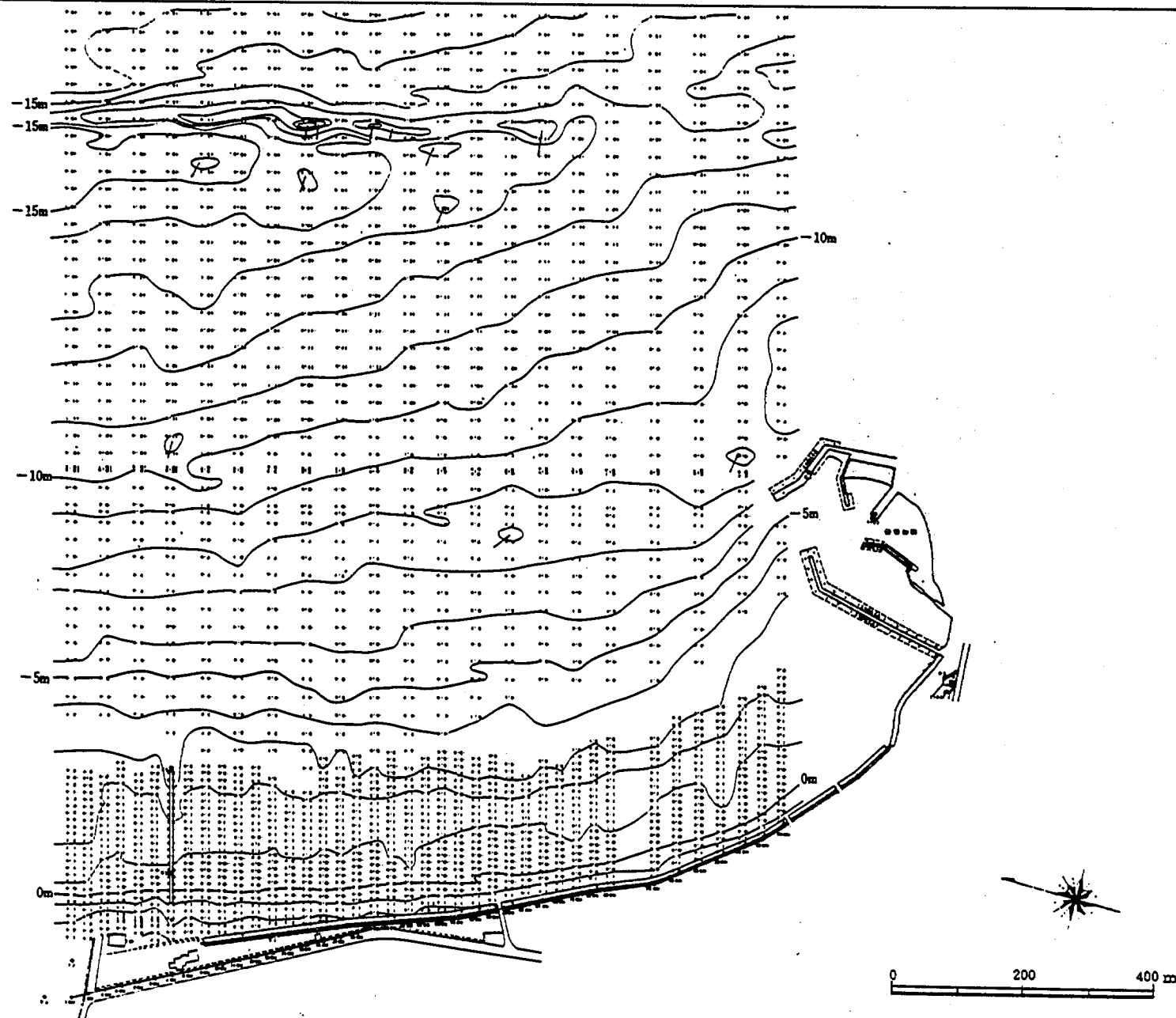












4. CONCLUSIONS

This report describes a part of the results of the field observations having been conducted once a year at Ajigaura Beach over 10 years since 1975. Since the aim of this report is to preserve the various field data for the future studies, the raw data themselves were recorded in an original form in order to satisfy such a condition. In the past the analyses of these data such as the empirical eigenfunction analysis were done, but those results of the studies were not included in this report. In addition, the longshore current velocities and data of wave observations in the adjacent harbors were not included. These data will be reported in the other memorandum.

ACKNOWLEDGEMENT

In this study the authors received the assistances from many researchers on the collection and the arrangement of the field data, since the report collects various results of the field observations in a long period. Particularly the authors would like to express their gratitude to Mr. Hiroshi Hashimoto, Director of River Department, PWRI, for many advices on methods of data collection. In addition, the authors would like to thank Mr. Tsutomu Takebuchi for the assistance of data collection and data filing.

- Photo. 1 Oblique picture of Ajigaura Beach. It was taken from north of the Ajigaura Pier as looking south.
- 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. 6 Beach survey in the traverse direction on the pier. The survey was carried out by using a staff and a level.
- Photo. 7 Tool of the measurement of longshore current velocity. The diameter of the float is about 24 cm.
- 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. 9 Dredger to sample the bed material.
- 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.
- Fig. 1 Location of Ajigaura Beach.
- Fig. 2 Location of the pier and the survey lines.
- Table 1 Dates when the survey line was moved shoreward 15 meter due to the high wave condition.
- Table 2 The ratio of the period when the wave data were obtained every two hours in a regular way to the total period of the month.
- Table 3 Summary of dates of the soundings.

**SUMMARIZED DATA OF BEACH PROFILES
AND WAVE OBSERVATIONS AT
AJIGAURA BEACH**

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Technical Memorandum
of PWRI No. 2294
December, 1985
Takaaki Uda, Yoshiharu Sakai

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 preliminary report of these field observations. The kinds of field data included in the 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, and ③ data of wave observations. 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,
FIELD DATA**

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