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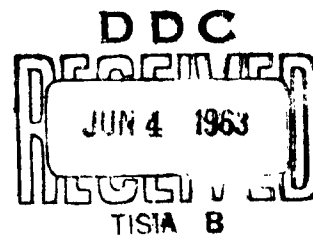
Department of Meteorology and Oceanography
Geophysical Sciences Laboratory Report No. 63-5

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Wave Spectra Estimated from Wave Records Obtained by
the OWS WEATHER EXPLORER and
the OWS WEATHER REPORTER (II)

by
L. Moskowitz
W. J. Pierson, Jr.
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Technical Report Prepared for
U. S. Navy Oceanographic Office
under contract
N62306-1042

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Introduction

As a part of the problem of developing numerical wave forecasting procedures for the North Atlantic Ocean, selected sequences of the weather maps for the North Atlantic for which wave data were known to be available were studied in detail for the five year period beginning in April 1955 and ending in March 1960. Data from a hurricane in September 1961 have also been analyzed. Certain dates and times of observations were selected for a variety of reasons for study. For these dates and times, the National Institute of Oceanography provided copies of the wave records that were obtained by the OWS Weather Explorer and by the OWS Weather Reporter.

In total, about 800 wave records were provided, and a complete spectral analysis is planned for about 400 of these records.

This report is the second of a series of reports (Moskowitz, Pierson, and Mehr, 1962) to present in tabular and graphical form the results of these analyses. The total number of spectra given is 290.

Analysis procedures

The original wave records varied in length, but almost all of this second set were 15 minutes long. A few were only seven or eight minutes long. The crest to trough heights of the highest waves in a particular record (uncorrected for calibration effects) varied from a few feet to more than 60 feet in the complete set of records. Bounds were set on each record just above the highest wave crest and just below the lowest wave trough, and the records were read to an accuracy of one part in a thousand (nominally) over this range at an interval of

1.5 seconds throughout the record. Thus a 15 minute record was reduced to a time series of 600 points. Where gaps or irregularities occurred, the records were smoothed by hand as accurately as possible.

The time series of 600 points was then analyzed on the CDC 1604 so as to estimate the energy spectrum of the waves at 60 points over the frequency range from zero to 0.333 cycles per second by means of the procedures given by Tukey (1949) as explained in detail by Blackman and Tukey (1958). The smoothing operation that was used to go from L to U in the equations of Blackman and Tukey was

$$(1) \quad U_h = 0.25L_{h-1} + 0.50L_h + 0.25L_{h+1}$$

with suitable corrections at the ends of the range.

The spectral estimates so obtained still had to be corrected for the response of the shipborne wave recorder (Tucker, 1956) and for the introduction of noise in both the original record and in the digitization procedure. The calibration of the shipborne recorder depends on the ship, and the calibration curves were provided by Mr. D. E. Cartwright for this purpose. The calibration curve for the Weather Explorer is given by Table 1. The calibration curve for the Weather Reporter is given by Table 2. After May 10, 1958, the Weather Reporter made all of the wave observations.

As in another investigation (Bretschneider, Crutcher, et al (in press))* , it was found that the application of the above calibration curves to the spectra that were originally computed resulted first in

*The 40 spectra contained in this paper are supplemented by 32 additional spectra through 28 Dec. 1959 and are denoted as JHB1 through JHB32.

a decrease and then a rapid increase in the spectra at high frequencies due to the presence of noise and other irregularities (possibly from nonlinear effects in the original wave records) at the high frequency end of the spectrum. To eliminate this effect, the last part of the spectrum was smoothed by a three point running weighted mean (0.25, 0.50, and 0.25) and then the last ten values were averaged. In the first report of this series, this weighting was carried out as described in that report. The changes in this report should be noted. For comparison the first ten spectra of this report are repeats of the earlier spectra. There is essentially no difference. This average was treated as white noise and subtracted from all spectral estimates. When the reduced values were multiplied by the appropriate calibration curves, the usual result was a fairly smooth spectrum that decreased regularly toward zero values at high frequency. By such a procedure some of the spectral values at high frequency will be negative. These values were automatically set equal to zero in the rest of the computations.

Even with these corrections, there were a few spectra that still became exceptionally large for frequencies greater than about 0.25 cycles per second. This behavior was apparently caused by the original quality of the record and not by the digitization procedure. These spectra were further modified by arbitrarily setting the calibration curve equal to one above a certain frequency that was selected by inspection of each spectrum.

The result of such a sequence of computations should yield fairly reliable spectral estimates for frequencies ranging from zero to 0.25 cycles per second, but the values at high frequencies should not be used to decide on any features of the high frequency end.

Sample parameter estimates

The spectral estimates that resulted from this sequence of operations were then processed further to obtain some additional useful information. Let U_h^* , for $h = 0, 1, 2, \dots, 60$, represent the spectral estimates (after subtraction of the noise and multiplication by the calibration for the shipborne recorder) in terms of the resolution of the variance of the wave record into frequency intervals. The following quantities were then also computed and tabulated with each spectrum.

$$(2) \quad \text{CORR VAR} = \text{corrected variance} = \sum U_h^*$$

$$(3) \quad \text{SIG HGT} = \bar{H}_{\frac{1}{3}} = 2.83 (2 \sum U_h^*)^{1/2}$$

$$(4) \quad \text{AVER T} = \tilde{T} = [\sum U_h^* / \sum f_h^2 U_h^*]^{1/2}$$

$$(5) \quad \text{TOTAL DF} = \text{Total degrees of freedom} = 10 [\sum U_h^*]^2 / [\sum U_h^2]$$

(for 600 points, 60 lags; i. e., 20 degrees of freedom per spectral estimate)

The confidence intervals on the corrected variance and on the significant height are given by

$$\text{Upper 95\% on CORR VAR} = (10^{+1/\sqrt{\text{TDF}}}) \text{ CORR VAR}$$

$$(6) \quad \text{Lower 5\% on CORR VAR} = (10^{-1/\sqrt{\text{TDF}}}) \text{ CORR VAR}$$

and by

$$\text{Upper 95\% on } \bar{H}_{\frac{1}{3}} = 10^{+1/2\sqrt{\text{TDF}}} \bar{H}_{\frac{1}{3}}$$

(7)

$$\text{Lower 5\% on } \bar{H}_{\frac{1}{3}} = 10^{-1/2\sqrt{\text{TDF}}} \bar{H}_{\frac{1}{3}}$$

in terms of the total degrees of freedom (TDF) to a high degree of accuracy since the total degrees of freedom are large.

The corrected variance, the significant height, and the total degrees of freedom are relatively insensitive to changes in the noise level and in the high frequency behavior of the spectrum. However, the average period can properly be viewed with caution.

The winds at the ship at the time of observation are also given to the nearest five knots as read directly from weather maps when available. These values are subject to later correction in terms of the logs of the weather ships.

Explanation of tables and graphs

The body of this report consists of supplementary tables, of tables that give the appropriate results for each of the original wave records, and of graphs of each of the estimated spectra along with the confidence intervals on the spectra.

The supplementary tables consist of Tables 1 through 4. Tables 1 and 2 have been described above.

Table 3 gives either the on station position of the ship, A, I, J, or K, or the latitude and longitude of the ship if it is going on or off station. The speed and direction of the ship is given.

Position A corresponds to 62°N, 33°W.

Position I corresponds to 59°N, 19°W.

Position J corresponds to 52.5°N, 20°W.

Position K corresponds to 45°N, 16°W.

If the record was not 15 minutes long, less than 600 points were read. For these records, Table 4 gives the actual number of points used and the corrected total degrees of freedom. A correction to the upper and lower confidence limits, which would be quite small, would also be needed to be exact.

Spectral tabulations

A tabulated spectrum can be interpreted as follows:

- 1a) Supplementary data for each spectrum consist of the date, hour, wind speed, total degrees of freedom, average period, significant height, corrected variance, noise level, and record number. The confidence limits for the height according to equation (7) are given. A zero wind speed represents an unreported wind speed at the time of the observation as read from synoptic charts. Ship logs will be used to provide supplementary information in later reports.
- 1b) In the first column, the spectral lag numbers (H) are given.
- 2) In the second column (FRE) the frequency according to the equation $f = H/180 \text{ (sec}^{-1}\text{)}$ is given.
- 3) In the third column (UNIT = FT²), the spectrum as computed from the original data is given in units of (ft)².

- 4) In the fourth column (FILTERED), a smoothing operator for $H > 40$ is applied. It is actually

$$F_H = 0.25U_{H-1} + 0.50U_H + 0.25U_{H+1}$$

(where F = Filtered, and U = unit).

- 5) In the fifth column (LESS NOISE), the noise level shown at the top is subtracted from each estimate.
- 6) In the sixth column (CORR FT 2), the LESS NOISE column is multiplied by the calibration curve for the shipborne record according to either Table 1 or Table 2. If this column agrees with the previous column, at high frequencies, the calibration curve has been arbitrarily set equal to one to avoid extreme values at high frequency.
- 7) In the last two columns, the upper and lower 95% and 5% confidence bounds are shown.

The format has been changed so that the numbers will be larger and more legible.

The graphs of the spectra

The plot that accompanies the spectral tabulation shows the spectrum and the 95% and 5% confidence bounds. A histogram that can be plotted directly by the machine has been used to simplify the presentation. The asterisks represent the upper and lower bounds. The solid portion represents the outline of the spectrum. The scale is chosen so that the highest 95% confidence value is at the top of the graph and the vertical axis of the coordinate system shows the spectral values for that spectrum in units of (feet)². The scales change with each spectrum and comparisons between spectra by means of the graphs should be made cautiously.

Availability on magnetic tape

The procedures used to carry out the spectral computations necessitate the use of the digitized wave records. If the spectra are to be computed only once this procedure is satisfactory. If further operations or recalculations of the spectra are to be performed, the use of the digitized wave records can be eliminated. The use of the raw spectra (shown in column three of the tabulated spectra) reduces the amount of input data considerably and hence, also speeds up the computer operations. The raw spectra of all the records presented in this report, the previous report (November 1962), and the paper by Bretschneider, Crutcher, et al (in press) are available on magnetic tape. For those who may find further use of the raw spectra, additional copies of the tape can be made available.

Acknowledgments

We wish to thank the National Institute of Oceanography of the United Kingdom for providing us with the wave records. Dr. J. Darbyshire sent some of the records to us from South Africa. Mr. D. E. Cartwright and Mr. L. Draper were most helpful in assembling other records at N. I. O. having them copied and forwarding the records to us. The records were digitized at Johns Hopkins University and at the Davidson Laboratory of Stevens Institute of Technology.

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- Bretschneider, C. L. , H. L. Crutcher, J. Darbyshire, G. Neumann, W. J. Pierson, H. Walden, and B. W. Wilson: Data for high wave conditions observed by the OWS Weather Reporter in December 1959. (To be published in D. H. Z.)
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- Tucker, M. J. (1957): A ship-borne wave recorder. Trans. Inst. Naval Arch. , London, 98, 236.
- Tukey, J. W. : The sampling theory of power spectrum estimates. Symposium on Applications of Autocorrelation Analysis to Physical Problems. Woods Hole, Massachusetts, 13-14 June, 1949. pp. 47-67, 1950.

Table 1. Calibration factors for the Weather Explorer. (Vector A)

1.0000					
1.0000	1.0000	1.0000	1.0000	1.0000	1.6157
1.3740	1.2452	1.1746	1.1399	1.1291	1.1343
1.1547	1.1870	1.2304	1.2845	1.3504	1.4277
1.5193	1.6241	1.7444	1.8828	2.0415	2.2243
2.4349	2.6765	2.9523	3.2725	3.6414	4.0714
4.5654	5.1490	5.8190	6.6136	7.5383	8.6338
9.9169	11.4459	13.2691	15.4245	18.0095	21.1086
24.8366	29.3522	34.8079	41.4485	49.5464	59.4548
71.5502	86.5947	105.1503	128.1186	156.7723	192.5202
237.3987	293.8682	365.1736	455.5306	570.2699	716.8705

Table 2. Calibration factors for the Weather Reporter. (Vector B)

1.0000					
1.0000	1.0000	1.0000	1.0000	1.0000	1.5755
1.3277	1.1908	1.1099	1.0630	1.0375	1.0257
1.0260	1.0350	1.0514	1.0633	1.1034	1.1384
1.1805	1.2280	1.2817	1.3424	1.4105	1.4871
1.5731	1.6684	1.7736	1.8918	2.0229	2.1704
2.3321	2.5169	2.7181	2.9479	3.2018	3.4899
3.8088	4.1715	4.5826	5.0408	5.5616	6.1512
6.8201	7.5845	8.4517	9.4439	10.5785	11.8784
13.3689	15.0856	17.0596	19.3530	22.0055	25.0761
28.6529	32.8206	37.6868	43.3807	50.0432	57.8872

Table 3. Position and speed of ship for each record.

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHB 1	J		stopped
2	J	210°	1½
3	J	250°	2
4	J	265°	2
5	J	270°	1
6	J	270°	1
7	J	270°	1
8	J	280°	1
9	J	280°	1
10	J	280°	1
11	J	290°	1
12	J	300°	2
13	J	300°	2
14	J	300°	1
15	J	300°	2
16	J	090°	1
17	J	130°	1
18	J		stopped
19	J	180°	1
20	J	220°	1
21	J	050°	3
22	J	360°	3
23	J	030°	3
24	J	250°	1
25	J	250°	2
26	J	260°	1½
27	J	270°	1
28	J		stopped
29	J		stopped
30	J	350°	2
31	J	310°	1
32	J	350°	2

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHC 1	I		stopped
2	I		stopped
3	I	210°	1
4	I	220°	1
5	I	220°	$\frac{1}{2}$
6	I	240°	1
7	I	240°	1
8	I	250°	$\frac{1}{2}$
9	I	250°	1
10	I	260°	$\frac{1}{2}$
11	I	100°	3
12	I	260°	$\frac{1}{2}$
13	I	240°	$\frac{1}{2}$
14	I	260°	$\frac{1}{2}$
15	K		stopped
16	K		stopped
17	K		stopped
18	K		2
19	K		2
20	K		2
21	K		$1\frac{1}{2}$
22	K		$1\frac{1}{2}$
23	K		$1\frac{1}{2}$
24	K		1
25	J		stopped
26	J		stopped
27	J		stopped
28	J		1
29	J		1
30	J		1

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHC 31	J		stopped
32	J		stopped
33	J		stopped
34	J		1
35	J		1
36	J		stopped
37	I		$1\frac{1}{2}$
38	I	180°	1
39	I		
40	I		hove to
41	I		hove to
42	I		hove to
43	I		
44	I		hove to
45	I		
46	I		
47	I		stopped
48	I		stopped
49	I		stopped
50	I	190°	1
51	I	200°	$1\frac{1}{2}$
52	I	170°	$\frac{1}{2}$
53	I	190°	$\frac{1}{2}$
54	I	170°	$\frac{1}{2}$
55	I	170°	1
56	I	180°	1
57	I	180°	1
58	I		stopped
59	I		stopped
60	I	180°	$\frac{1}{2}$
61	J	310°	1
62	J	310°	1
63	J	310°	1

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHC 64	J	270°	1
65	J	270°	1
66	J	270°	1
67	J		1
68	J		stopped
69	J		1
70	J		stopped
71	I		1
72	I		1
74	I		1
75	I	270°	1
76	I	270°	1
77	I	270°	1
78	I	270°	1
79	I	270°	1
80	I	270°	1
81	I	270°	1
82	I	270°	1
83	I	270°	1
84	K		1
85	K		1
86	K		1
87	K		1
88	K		hove to
89	K		1
90	K		1
91	K		$\frac{1}{2}$
92	K		1
93	K		1
94	K		1
95	K		stopped
96	K		stopped
97	I		stopped
98	I		stopped

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHC 99	I		1
100	I		2
101	I		2
102	I		hove to
103	I		stopped
104	I		stopped
105	I		2
106	I		stopped
107	I		1½
108	I		1½
109	I		1
110	A		stationary
111	A		stopped
112	A		stopped
113	A		stopped
114	A		stopped
115	A		stopped
116	A		stopped
117	A		stopped
118	A		stopped
119	A		stopped
120	J		stopped
121	J		stopped
122	J		stopped
123	J		stopped
124	J		stopped
125	J		stopped
126	J		stopped
127	J		stopped
128	J		stopped
129	J		stopped
130	J		stopped
131	J	220°	2

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHC 132	J		stopped
133	J	280°	1
134	J	280°	1
135	J		
136	J		
137	J		
138	J	260°	1
139	J	260°	1
140	J	270°	1
141	J	290°	1
142	J	290°	1
143	J	270°	2
144	J		
145	J		
146	J	260°	$\frac{1}{2}$
147	J	260°	1
148	J	220°	$1\frac{1}{2}$
149	J	260°	1
150	J	260°	1
151	J		
152	J	260°	1
153	J	260°	1
154	J	260°	1
155	J	260°	1
156	J	250°	4
157	J	245°	2
158	J	295°	2
159	J	295°	$1\frac{1}{2}$
160	J	300°	$1\frac{1}{2}$
161	J	280°	$1\frac{1}{2}$
162	J	270°	$1\frac{1}{2}$
163	J	250°	2
164	J	180°	5

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
JHC 165	J		stopped
166	J		hove to
167	J		hove to
168	J		hove to
169	J		stopped
170	J		stopped
171	J		stopped
172	J		stopped
173	J		stopped
174	J		stopped
175	J		stopped
176	J		
177	J		$1\frac{1}{2}$
178	J		stopped
179	J		$\frac{1}{2}$
180	J		stopped
181	J		stopped
182	J		stopped
183	J		stopped
184	J		stopped
185	J		stopped
186	J		stopped
187	J		stopped
188	J		stopped
189	J		$\frac{1}{2}$
190	J		1
191	J		2
192	J		$\frac{1}{2}$
193	J		1

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
DL 61	J		stopped
62	J		stopped
63	J		stopped
64	J		stopped
65	J	220°	1
66	J		2½
67	J		2
68	J	260°	2
69	J	250°	2
70	J	245°	1
71	J	280°	2
72	J	260°	1
73	J	255°	1½
74	J	270°	1½
75	J		stopped
76	A	060°	2
77	A	060°	½
78	A	060°	1½
79	A	060°	2
80	A	060°	1
81	A	060°	1
82	A	060°	1½
83	A	060°	2
84	A	060°	1½
85	A	060°	1
86	A	060°	1½
87	K		stopped
88	K		stopped
89	K		stopped
90	K		stopped

Table 3 (cont.)

<u>Record No.</u>	<u>Position</u>	<u>Heading</u>	<u>Speed (kts)</u>
DL 91	K		stopped
92	K		stopped
93	K		stopped
94	K		stopped
95	K		stopped
96	K	360°	1
97	A		stopped
98	A		stopped
99	A	050°	3
100	A	050°	4
101	A		stopped
102	A		stopped
103	A		stopped
104	A		stopped
105	A		stopped
106	J	110°	2
107	J	110°	1
108	J	110°	1
109	J	110°	1
110	J	110°	$\frac{1}{2}$
111	J	120°	1
112	J	100°	1
113	J	270°	2
114	J	110°	1
115	J	110°	1
116	J	270°	1

Table 4. Data on short records for which less than 600 points were available.

<u>Record No.</u>	<u>No. of points</u>	<u>Original TDF</u>	<u>Corrected TDF</u>
JHC 004	580	246	238
JHC 008	480	200	160
JHC 009	490	301	246
JHC 010	560	210	196
JHC 013	510	162	138
JHC 015	520	314	272
JHC 016	520	371	322
JHC 017	480	169	135
JHC 020	540	273	246
JHC 023	560	195	182
JHC 028	540	217	195
JHC 029	570	235	223
JHC 033	560	220	205
JHC 034	560	241	225
JHC 035	590	223	219
JHC 037	440	186	136
JHC 038	550	211	193
JHC 040	570	237	225
JHC 042	530	188	166
JHC 043	440	189	138
JHC 045	560	150	140
JHC 046	410	251	171
JHC 051	580	198	191
JHC 052	570	221	210
JHC 053	510	208	177
JHC 054	530	202	178
JHC 056	590	270	265
JHC 060	550	181	166
JHC 061	540	252	227
JHC 062	480	256	205
JHC 063	430	242	174
JHC 064	450	219	164
JHC 065	560	226	211

Table 4 (cont.)

<u>Record No.</u>	<u>No. of points</u>	<u>Original TDF</u>	<u>Corrected TDF</u>
JHC 066	540	277	249
JHC 067	500	280	233
JHC 068	500	252	210
JHC 069	450	219	164
JHC 070	490	260	212
JHC 072	570	250	238
JHC 073	540	151	136
JHC 074	570	150	142
JHC 075	500	174	145
JHC 078	540	248	223
JHC 082	540	186	167
JHC 083	590	155	152
JHC 084	580	218	211
JHC 085	550	224	205
JHC 087	570	208	198
JHC 091	550	234	214
JHC 092	520	315	273
JHC 095	550	191	175
JHC 096	550	221	203
JHC 101	520	192	166
JHC 105	570	277	263
JHC 107	500	234	195
JHC 109	540	246	221
JHC 110	510	129	110
JHC 111	540	184	166
JHC 112	520	156	135
JHC 113	590	188	185
JHC 114	590	191	188
JHC 115	520	237	205
JHC 116	520	198	172
JHC 117	470	192	150
JHC 118	520	197	162

Table 4 (cont.)

<u>Record No.</u>	<u>No. of points</u>	<u>Original TDF</u>	<u>Corrected TDF</u>
JHC119	520	173	150
JHC 124	560	314	293
JHC 131	590	291	286
JHC 138	590	144	142
JHC 139	590	104	102
JHC 140	590	111	109
JHC 142	590	172	169
JHC 143	590	141	139
JHC 147	590	185	182
JHC 154	590	120	118
JHC 155	590	127	125
JHC 159	590	185	182
JHC 163	590	153	150
JHC 164	580	136	134
JHC 174	560	264	246
JHC 178	570	146	139
JHC 180	510	229	195
JHC 181	510	263	224
JHC 182	530	176	155
JHC 183	570	168	160
JHC 185	540	280	252
JHC 186	480	163	130
JHC 187	510	182	155
JHC 188	480	169	135

Table 4 (cont.)

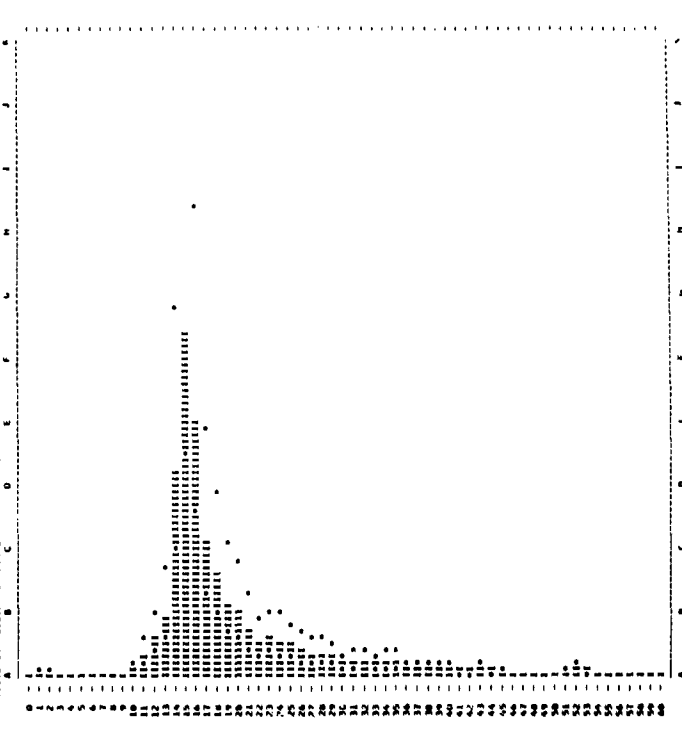
<u>Record No.</u>	<u>No. of points</u>	<u>Original TDF</u>	<u>Corrected TDF</u>
DL 66	500	135	112
DL 67	500	129	107
DL 68	500	183	152
DL 69	500	117	97
DL 70	500	172	143
DL 94	590	146	144
DL 107	450	231	173
DL 112	500	206	172
DL 113	400	194	129
DL 114	500	189	157
DL 115	390	213	138

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/1/59 AV. T = 8.9 RECORD = 3L 44
 HOUR = 15 SIG.MGT. = 8.8 UPPER MGT. = 7.6
 TOTAL DP = 105 CORR. VAR. = 2.9 LOWER MGT. = 8.1
 NOISE LEVEL = .0015 WIND SPEED = 15

H	FREQ. UNIT	FT. 2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0044	.0044	.0029	.0029	.0054	.0019
1	.004	.0095	.0095	.0060	.0060	.0074	.0026
2	.011	.0164	.0164	.0104	.0104	.0130	.0031
3	.017	.0239	.0239	.0154	.0154	.0186	.0035
4	.022	.0315	.0315	.0200	.0200	.0232	.0039
5	.028	.0392	.0392	.0250	.0250	.0286	.0043
6	.033	.0468	.0468	.0300	.0300	.0336	.0047
7	.039	.0545	.0545	.0350	.0350	.0396	.0051
8	.044	.0621	.0621	.0400	.0400	.0444	.0055
9	.050	.0697	.0697	.0450	.0450	.0504	.0059
10	.056	.0773	.0773	.0500	.0500	.0564	.0063
11	.061	.0849	.0849	.0550	.0550	.0620	.0067
12	.067	.0925	.0925	.0600	.0600	.0696	.0071
13	.072	.1001	.1000	.0650	.0650	.0744	.0075
14	.078	.1077	.1076	.0700	.0700	.0820	.0079
15	.083	.1153	.1152	.0750	.0750	.0896	.0083
16	.089	.1229	.1228	.0800	.0800	.0972	.0087
17	.094	.1305	.1304	.0850	.0850	.1048	.0091
18	.100	.1381	.1380	.0900	.0900	.1124	.0095
19	.106	.1457	.1456	.0950	.0950	.1200	.0099
20	.111	.1533	.1532	.1000	.1000	.1276	.0103
21	.117	.1609	.1608	.1050	.1050	.1352	.0107
22	.122	.1685	.1684	.1100	.1100	.1428	.0111
23	.128	.1761	.1760	.1150	.1150	.1504	.0115
24	.133	.1837	.1836	.1200	.1200	.1580	.0119
25	.139	.1913	.1912	.1250	.1250	.1656	.0123
26	.144	.1989	.1988	.1300	.1300	.1732	.0127
27	.150	.2065	.2064	.1350	.1350	.1808	.0131
28	.156	.2141	.2140	.1400	.1400	.1884	.0135
29	.161	.2217	.2216	.1450	.1450	.1960	.0139
30	.167	.2293	.2292	.1500	.1500	.2036	.0143
31	.172	.2369	.2368	.1550	.1550	.2112	.0147
32	.178	.2445	.2444	.1600	.1600	.2188	.0151
33	.183	.2521	.2520	.1650	.1650	.2264	.0155
34	.189	.2597	.2596	.1700	.1700	.2340	.0159
35	.194	.2673	.2672	.1750	.1750	.2416	.0163
36	.200	.2749	.2748	.1800	.1800	.2492	.0167
37	.206	.2825	.2824	.1850	.1850	.2568	.0171
38	.211	.2901	.2900	.1900	.1900	.2644	.0175
39	.217	.2977	.2976	.1950	.1950	.2720	.0179
40	.222	.3053	.3052	.2000	.2000	.2796	.0183
41	.228	.3129	.3128	.2050	.2050	.2872	.0187
42	.233	.3205	.3204	.2100	.2100	.2948	.0191
43	.239	.3281	.3280	.2150	.2150	.3024	.0195
44	.244	.3357	.3356	.2200	.2200	.3100	.0199
45	.250	.3433	.3432	.2250	.2250	.3176	.0203
46	.256	.3509	.3508	.2300	.2300	.3252	.0207
47	.261	.3585	.3584	.2350	.2350	.3328	.0211
48	.267	.3661	.3660	.2400	.2400	.3404	.0215
49	.272	.3737	.3736	.2450	.2450	.3480	.0219
50	.278	.3813	.3812	.2500	.2500	.3556	.0223
51	.283	.3889	.3888	.2550	.2550	.3632	.0227
52	.289	.3965	.3964	.2600	.2600	.3708	.0231
53	.294	.4041	.4040	.2650	.2650	.3784	.0235
54	.300	.4117	.4116	.2700	.2700	.3860	.0239
55	.306	.4193	.4192	.2750	.2750	.3936	.0243
56	.311	.4269	.4268	.2800	.2800	.4012	.0247
57	.317	.4345	.4344	.2850	.2850	.4088	.0251
58	.322	.4421	.4420	.2900	.2900	.4164	.0255
59	.328	.4497	.4496	.2950	.2950	.4240	.0259
60	.333	.4573	.4572	.3000	.3000	.4316	.0263

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS = 1500-0000
 STATION = 1500-0000
 WIND = 15
 CORR. VAR. = 2.9
 NOISE LEVEL = .0015

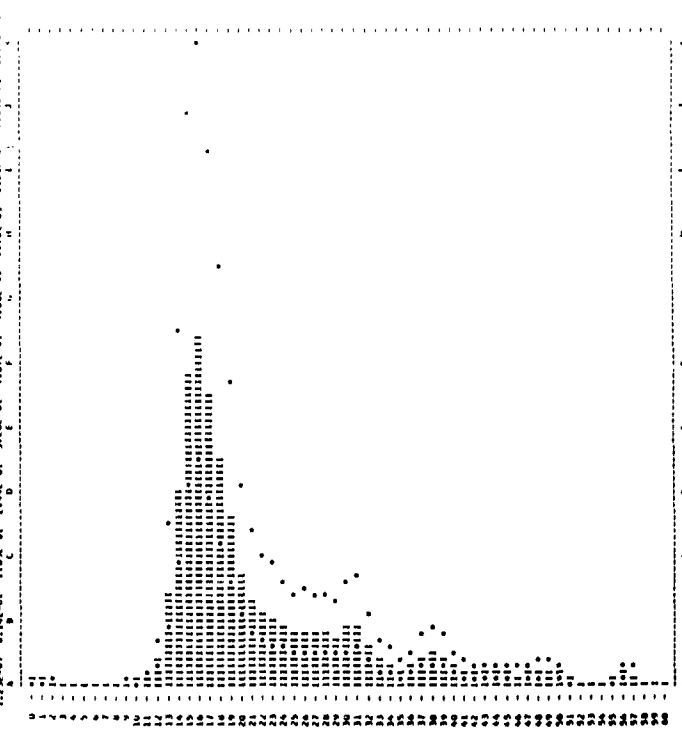


SMOOTHED HINDCASTING SPECTRA COMPUTED 1400H 1963

DATE = 10/1/59 AV. T = 7.7 RECORD = 3L 46
 HOUR = 15 SIG.MGT. = 7.5 UPPER MGT. = 8.2
 TOTAL DP = 161 CORR. VAR. = 3.5 LOWER MGT. = 8.9
 NOISE LEVEL = .0017 WIND SPEED = 25

H	FREQ. UNIT	FT. 2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0069	.0069	.0032	.0032	.0076	.0033
1	.004	.0138	.0138	.0064	.0064	.0152	.0037
2	.011	.0213	.0213	.0096	.0096	.0228	.0041
3	.017	.0289	.0289	.0128	.0128	.0304	.0045
4	.022	.0365	.0365	.0160	.0160	.0380	.0049
5	.028	.0441	.0441	.0192	.0192	.0456	.0053
6	.033	.0517	.0517	.0224	.0224	.0532	.0057
7	.039	.0593	.0593	.0256	.0256	.0608	.0061
8	.044	.0669	.0669	.0288	.0288	.0684	.0065
9	.050	.0745	.0745	.0320	.0320	.0760	.0069
10	.056	.0821	.0821	.0352	.0352	.0836	.0073
11	.061	.0897	.0897	.0384	.0384	.0912	.0077
12	.067	.0973	.0973	.0416	.0416	.0988	.0081
13	.072	.1049	.1049	.0448	.0448	.1064	.0085
14	.078	.1125	.1125	.0480	.0480	.1140	.0089
15	.083	.1201	.1201	.0512	.0512	.1216	.0093
16	.089	.1277	.1277	.0544	.0544	.1292	.0097
17	.094	.1353	.1353	.0576	.0576	.1368	.0101
18	.100	.1429	.1429	.0608	.0608	.1444	.0105
19	.106	.1505	.1505	.0640	.0640	.1520	.0109
20	.111	.1581	.1581	.0672	.0672	.1596	.0113
21	.117	.1657	.1657	.0704	.0704	.1672	.0117
22	.122	.1733	.1733	.0736	.0736	.1748	.0121
23	.128	.1809	.1809	.0768	.0768	.1824	.0125
24	.133	.1885	.1885	.0800	.0800	.1900	.0129
25	.139	.1961	.1961	.0832	.0832	.1976	.0133
26	.144	.2037	.2037	.0864	.0864	.2052	.0137
27	.150	.2113	.2113	.0896	.0896	.2128	.0141
28	.156	.2189	.2189	.0928	.0928	.2204	.0145
29	.161	.2265	.2265	.0960	.0960	.2280	.0149
30	.167	.2341	.2341	.0992	.0992	.2356	.0153
31	.172	.2417	.2417	.1024	.1024	.2432	.0157
32	.178	.2493	.2493	.1056	.1056	.2508	.0161
33	.183	.2569	.2569	.1088	.1088	.2584	.0165
34	.189	.2645	.2645	.1120	.1120	.2660	.0169
35	.194	.2721	.2721	.1152	.1152	.2736	.0173
36	.200	.2797	.2797	.1184	.1184	.2812	.0177
37	.206	.2873	.2873	.1216	.1216	.2888	.0181
38	.211	.2949	.2949	.1248	.1248	.2964	.0185
39	.217	.3025	.3025	.1280	.1280	.3040	.0189
40	.222	.3101	.3101	.1312	.1312	.3116	.0193
41	.228	.3177	.3177	.1344	.1344	.3192	.0197
42	.233	.3253	.3253	.1376	.1376	.3268	.0201
43	.239	.3329	.3329	.1408	.1408	.3344	.0205
44	.244	.3405	.3405	.1440	.1440	.3420	.0209
45	.250	.3481	.3481	.1472	.1472	.3496	.0213
46	.256	.3557	.3557	.1504	.1504	.3572	.0217
47	.261	.3633	.3633	.1536	.1536	.3648	.0221
48	.267	.3709	.3709	.1568	.1568	.3724	.0225
49	.272	.3785	.3785	.1600	.1600	.3800	.0229
50	.278	.3861	.3861	.1632	.1632	.3876	.0233
51	.283	.3937	.3937	.1664	.1664	.3952	.0237
52	.289	.4013	.4013	.1696	.1696	.4028	.0241
53	.294	.4089	.4089	.1728	.1728	.4104	.0245
54	.300	.4165	.4165	.1760	.1760	.4180	.0249
55	.306	.4241	.4241	.1792	.1792	.4256	.0253
56	.311	.4317	.4317	.1824	.1824	.4332	.0257
57	.317	.4393	.4393	.1856	.1856	.4408	.0261
58	.322	.4469	.4469	.1888	.1888	.4484	.0265
59	.328	.4545	.4545	.1920	.1920	.4560	.0269
60	.333	.4621	.4621	.1952	.1952	.4636	.0273

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS = 1500-0000
 STATION = 1500-0000
 WIND = 25
 CORR. VAR. = 3.5
 NOISE LEVEL = .0017

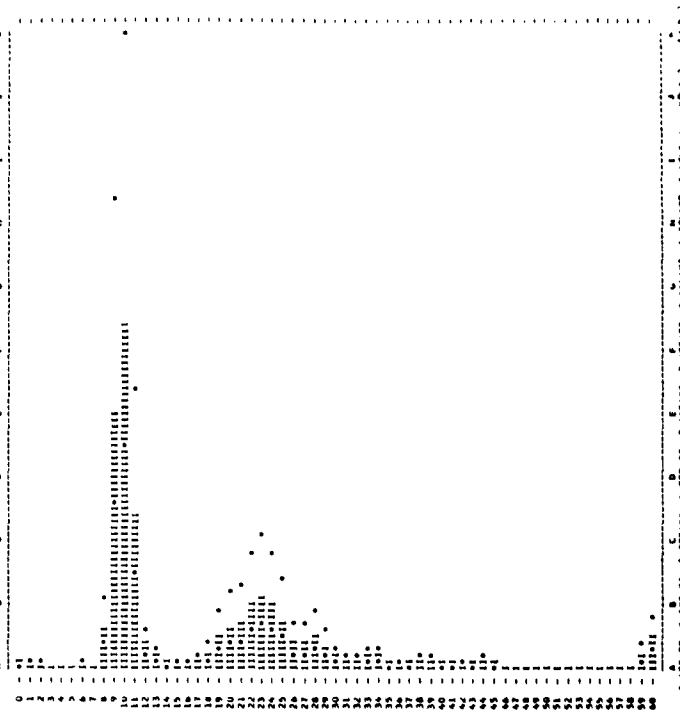


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T = 8.7 RECORD = DL 43
 HOUR = 6 SIG.MGT. = 15.0 UPPER MGT. = 16.9
 TOTAL DF = 91 CORR. VAR. = 16.0 LOWER MGT. = 13.1
 NOISE LEVEL = .007% WIND SPEED = 10

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0433	.0433	.0379	.0379	.0699	.0241
1	.006	.0362	.0362	.0308	.0308	.0562	.0207
2	.012	.0282	.0282	.0178	.0178	.0328	.0113
3	.017	.0194	.0194	.0099	.0099	.0202	.0057
4	.022	.0109	.0109	.0121	.0121	.0223	.0077
5	.028	.0131	.0131	.0057	.0057	.0109	.0034
6	.033	.0089	.0089	.0179	.0179	.0222	.0180
7	.039	.0172	.0172	.0000	.0000	.0000	.0000
8	.044	.3200	.3200	.3126	.3126	.4961	.2370
9	.050	2.2131	2.2131	2.0557	2.0557	4.3122	1.5988
10	.056	1.1216	1.1216	1.1162	1.1162	1.6104	2.1078
11	.061	1.4000	1.4000	1.3926	1.3926	2.6630	.9200
12	.067	.2170	.2170	.2096	.2096	.3963	.1369
13	.072	.1190	.1190	.1116	.1116	.1165	.0728
14	.078	.0464	.0464	.0390	.0390	.0744	.0257
15	.083	.0360	.0360	.0286	.0286	.0516	.0178
16	.089	.0265	.0265	.0191	.0191	.0283	.0099
17	.094	.0945	.0945	.0471	.0471	.0958	.0331
18	.100	.1226	.1226	.1156	.1156	.2426	.0828
19	.106	.2470	.2470	.2396	.2396	.4829	.2483
20	.111	.3250	.3250	.3176	.3176	.7189	.2483
21	.117	.3390	.3390	.3316	.3316	.4320	.1824
22	.122	.4420	.4420	.4346	.4346	1.0753	.3715
23	.128	.4490	.4490	.4416	.4416	1.2521	.4325
24	.133	.4160	.4160	.4086	.4086	.6474	.2868
25	.139	.2960	.2960	.2886	.2886	.4568	.2891
26	.144	.1790	.1790	.1716	.1716	.4293	.1483
27	.150	.1390	.1390	.1316	.1316	.3302	.1486
28	.156	.1630	.1630	.1556	.1556	.5426	.1874
29	.161	.1990	.1990	.1916	.1916	.3602	.1244
30	.167	.1990	.1990	.1916	.1916	.1120	.0713
31	.172	.0402	.0402	.0328	.0328	.0765	.0487
32	.178	.0234	.0234	.0160	.0160	.0272	.0128
33	.183	.0444	.0444	.0370	.0370	.1004	.0441
34	.189	.0402	.0402	.0328	.0328	.0967	.0416
35	.194	.0214	.0214	.0140	.0140	.0809	.0280
36	.200	.0164	.0164	.0090	.0090	.0252	.0142
37	.206	.0196	.0196	.0122	.0122	.0465	.0296
38	.211	.0214	.0214	.0140	.0140	.0584	.0372
39	.217	.0191	.0191	.0117	.0117	.0537	.0342
40	.222	.0167	.0167	.0093	.0093	.0450	.0287
41	.228	.0128	.0128	.0059	.0059	.0326	.0208
42	.233	.0107	.0107	.0047	.0047	.0240	.0144
43	.239	.0142	.0142	.0064	.0064	.0437	.0278
44	.244	.0161	.0161	.0069	.0069	.0526	.0335
45	.250	.0109	.0109	.0039	.0039	.0326	.0178
46	.256	.0071	.0071	.0009	.0009	.0086	.0055
47	.261	.0081	.0081	.0006	.0006	.0025	.0016
48	.267	.0072	.0072	.0000	.0000	.0000	.0000
49	.272	.0064	.0064	.0000	.0000	.0000	.0000
50	.278	.0065	.0065	.0000	.0000	.0000	.0000
51	.283	.0048	.0048	.0000	.0000	.0000	.0000
52	.289	.0048	.0048	.0000	.0000	.0000	.0000
53	.294	.0048	.0048	.0000	.0000	.0000	.0000
54	.300	.0084	.0084	.0004	.0004	.0184	.0057
55	.306	.0069	.0069	.0000	.0000	.0000	.0000
56	.311	.0059	.0059	.0000	.0000	.0000	.0000
57	.317	.0053	.0053	.0000	.0000	.0000	.0000
58	.322	.0060	.0060	.0000	.0000	.0000	.0000
59	.328	.0058	.0058	.0000	.0000	.2492	.0895
60	.333	.0138	.0138	.0121	.0121	.2755	.1754

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE = .00000000
 1.40E-01 1.20E-01 1.00E-01 8.00E-02 6.00E-02 4.00E-02 2.00E-02 1.00E-02
 17/ 1/59 DL 43

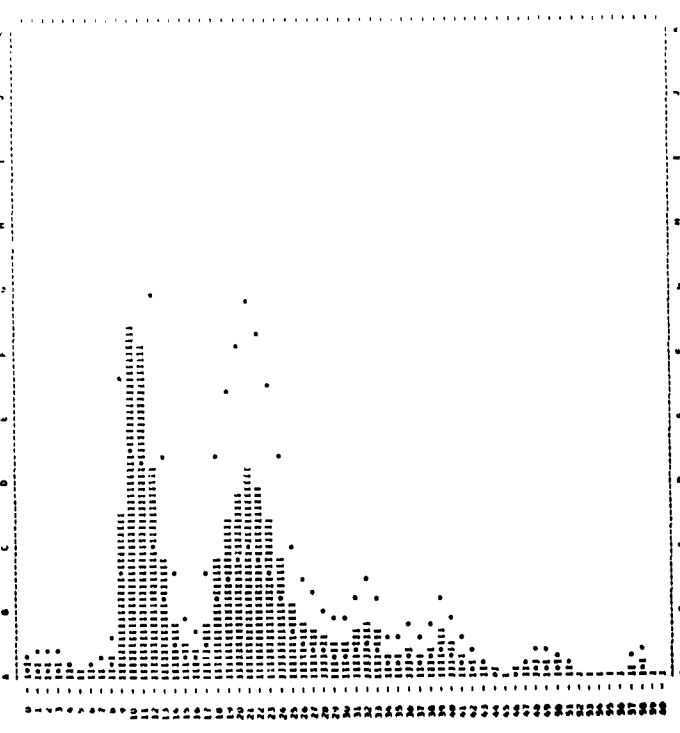


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T = 8.2 RECORD = JH 2
 HOUR = 6 SIG.MGT. = 13.4 UPPER MGT. = 15.1
 TOTAL DF = 201 CORR. VAR. = 12.1 LOWER MGT. = 12.4
 NOISE LEVEL = .0050 WIND SPEED = 15

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0422	.0422	.0372	.0372	.0885	.0237
1	.006	.0309	.0309	.0459	.0459	.0845	.0292
2	.011	.0408	.0408	.0596	.0596	.1024	.0354
3	.017	.0510	.0510	.0460	.0460	.0347	.0293
4	.022	.0321	.0321	.0271	.0271	.0499	.0172
5	.028	.0240	.0240	.0190	.0190	.0350	.0121
6	.033	.0213	.0213	.0116	.0116	.0256	.0113
7	.039	.0315	.0315	.0265	.0265	.0351	.0646
8	.044	.0717	.0717	.0667	.0667	.0794	.1463
9	.050	.5341	.5341	.5267	.5267	1.0425	.3775
10	.056	1.2151	1.2151	1.2101	1.2101	1.2863	2.3708
11	.061	1.1800	1.1800	1.1750	1.1750	2.2468	.7762
12	.067	.7490	.7490	.7440	.7440	.7431	1.4005
13	.072	.4320	.4320	.4270	.4270	.4381	.8074
14	.078	.1980	.1980	.1930	.1930	.1997	.3681
15	.083	.1170	.1170	.1120	.1120	.1177	.2170
16	.089	.0944	.0944	.0894	.0894	.0950	.1751
17	.094	.1860	.1860	.1810	.1810	.1897	.3680
18	.100	.3870	.3870	.3820	.3820	.4348	.8015
19	.106	.4840	.4840	.4790	.4790	.5634	1.0421
20	.111	.5400	.5400	.5350	.5350	.6509	1.2108
21	.117	.5910	.5910	.5860	.5860	.7510	1.3843
22	.122	.5100	.5100	.5050	.5050	.6779	1.2494
23	.128	.6150	.6150	.6100	.6100	.9783	1.0658
24	.133	.2960	.2960	.2910	.2910	.4327	.7979
25	.139	.1720	.1720	.1670	.1670	.2627	.4841
26	.144	.1240	.1240	.1190	.1190	.1985	.3658
27	.150	.0981	.0981	.0931	.0931	.1481	.3042
28	.156	.0758	.0758	.0708	.0708	.1339	.2467
29	.161	.0600	.0600	.0550	.0550	.1112	.2049
30	.167	.0396	.0396	.0346	.0346	.0681	.2183
31	.172	.0279	.0279	.0229	.0229	.1583	.2017
32	.178	.0829	.0829	.0779	.0779	.1960	.3612
33	.183	.0625	.0625	.0575	.0575	.1582	.2879
34	.189	.0208	.0208	.0158	.0158	.0780	.1400
35	.194	.0301	.0301	.0251	.0251	.0803	.1479
36	.200	.0344	.0344	.0294	.0294	.1025	.1689
37	.206	.0248	.0248	.0198	.0198	.0753	.1388
38	.211	.0304	.0304	.0254	.0254	.1058	.1950
39	.217	.0267	.0267	.0217	.0217	.1543	.2843
40	.222	.0277	.0277	.0227	.0227	.1137	.2097
41	.228	.0163	.0163	.0113	.0113	.0750	.1383
42	.233	.0138	.0138	.0088	.0088	.0513	.0966
43	.239	.0076	.0076	.0026	.0026	.0320	.0590
44	.244	.0059	.0059	.0017	.0017	.0128	.0236
45	.250	.0059	.0059	.0007	.0007	.0063	.0115
46	.256	.0062	.0062	.0014	.0014	.0129	.0238
47	.261	.0077	.0077	.0028	.0028	.0300	.0554
48	.267	.0099	.0099	.0041	.0041	.0642	.0966
49	.272	.0099	.0099	.0039	.0039	.0520	.0819
50	.278	.0074	.0074	.0027	.0027	.0413	.0742
51	.283	.0067	.0067	.0017	.0017	.0268	.0531
52	.289	.0053	.0053	.0003	.0003	.0112	.0219
53	.294	.0037	.0037	.0000	.0000	.0000	.0000
54	.299	.0035	.0035	.0000	.0000	.0000	.0000
55	.304	.0039	.0039	.0000	.0000	.0000	.0000
56	.310	.0048	.0048	.0000	.0000	.0000	.0000
57	.315	.0061	.0061	.0000	.0000	.0345	.0836
58	.321	.0068	.0068	.0012	.0012	.0105	.0511
59	.326	.0051	.0051	.0001	.0001	.0058	.0104
60	.333	.0036	.0036	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE = .00000000
 1.40E-01 1.20E-01 1.00E-01 8.00E-02 6.00E-02 4.00E-02 2.00E-02 1.00E-02
 17/ 1/59 JH 2

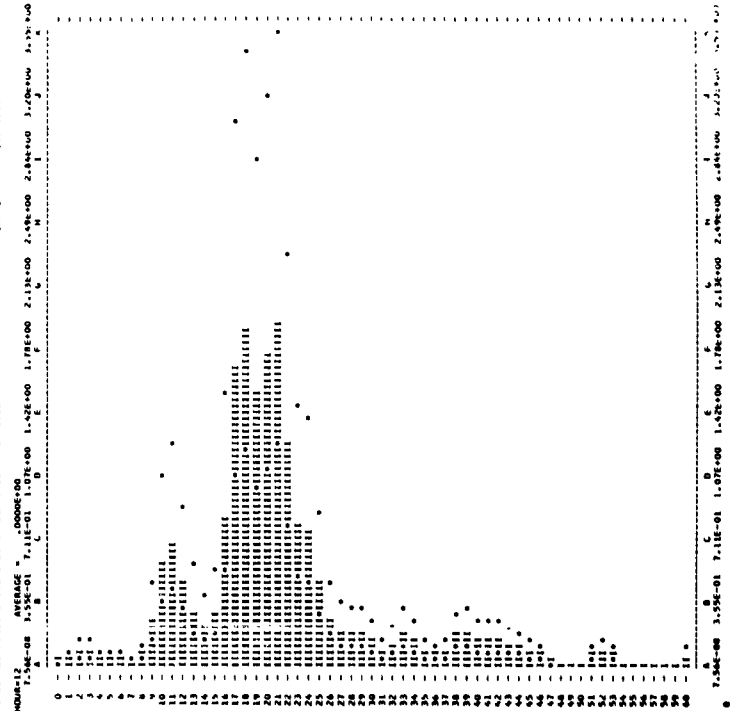


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T = 8.0 RECORD = JH 1
 HOUR = 12 SIG.MGT. = 17.4 UPPER MGT. = 19.0
 TOTAL DF = 173 CORR. VAR. = 19.0 LOWER MGT. = 16.0
 NOISE LEVEL = .0152 WIND SPEED = 35

H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0424	.0424	.0272	.0272	.0501	.0173
1	.006	.0363	.0363	.0411	.0411	.0757	.0281
2	.011	.0326	.0326	.0404	.0404	.1160	.0435
3	.017	.0280	.0280	.0470	.0470	.1249	.0432
4	.022	.0216	.0216	.0464	.0464	.0855	.0295
5	.028	.0264	.0264	.0394	.0394	.0726	.0251
6	.033	.0285	.0285	.0233	.0233	.0476	.0233
7	.039	.0265	.0265	.0113	.0113	.0150	.0276
8	.044	.0284	.0284	.0502	.0502	.0597	.1101
9	.050	.2380	.2380	.2320	.2320	.2472	.4557
10	.056	.3440	.3440	.3480	.3480	.5633	1.0752
11	.061	.4670	.4670	.4518	.4518	.6262	1.3000
12	.067	.4810	.4810	.4490	.4490	.4777	.8805
13	.072	.3060	.3060	.2920	.2920	.3006	.5536
14	.078	.2190	.2190	.2038	.2038	.2109	.3887
15	.083	.2930	.2930	.2778	.2778	.2920	.5383
16	.089	.1901	.1901	.1749	.1749	.1823	.3186
17	.094	1.8236	1.8236	1.5084	1.5084	1.4643	3.0676
18	.100	1.4642	1.4642	1.1500	1.1500	1.0772	3.4599
19	.106	1.3190	1.3190	1.3038	1.3038	1.3391	2.8768
20	.111	1.4304	1.4304	1.4152	1.4152	1.7378	3.2031
21	.117	1.5200	1.5200	1.5048	1.5048	1.9287	3.5548
22	.122	.9420	.9420	.9268	.9268	1.2441	2.2930
23	.128	.8740	.8740	.8608	.8608	.7910	1.6176
24	.133	.5190	.5190	.5038	.5038	.7492	1.3808
25	.139	.3090	.3090	.2938	.2938	.4621	.8518
26	.144	.1480	.1480	.1328	.1328	.2548	.4489
27	.150	.1230	.1230	.1078	.1078	.1911	.3523
28	.156	.1090	.1090	.0938	.0938	.1174	.3270
29	.161	.1020	.1020	.0878	.0878	.1175	.3272
30	.167	.0787	.0787	.0635	.0635	.1377	.2539
31	.172	.0641	.0641	.0493	.0493	.0790	.1456
32	.178	.0598	.0598	.0348	.0348	.1122	.2067
33	.183	.0774	.0774	.0622	.0622	.1490	.3115
34	.189	.0615	.0615	.0458	.0458	.1349	.2487
35	.194	.0402	.0402	.0284	.0284	.0789	.1473
36	.200	.0322	.0322	.0170	.0170	.0592	.1091
37	.206	.0354	.0354	.0206	.0206	.0783	.1444
38	.211	.0336	.0336	.0184	.0184	.1401	.2900
39	.217	.0517	.0517	.0345	.0345	.1671	.3080
40	.222	.0390	.0390	.0257	.0257	.1296	.2389
41	.228	.0421	.0421	.0248	.0248	.1378	.2541
42	.233	.0409	.0409	.0226	.0226	.1393	.2547
43	.239	.0274	.0274	.0159	.0159	.1096	.1998
44	.244	.0284	.0284	.0123	.0123	.0930	.1119
45	.250	.0254	.0254	.0097	.0097	.0823	.1518
46	.256	.0203	.0203	.0060	.0060	.0584	.1039
47	.261	.0184	.0184	.0074	.0074	.0429	.0642
48	.267	.0129	.0129	.0000	.0000	.0000	.0000
49	.272	.0100	.0100	.0000	.0000	.0000	.0000
50	.278	.0139	.0139	.0000	.0000	.0000	.0000
51	.283	.0198	.0198	.0033	.0033	.0542	.1035
52	.289	.0206	.0206	.0045	.0045	.0845	.1594
53	.294	.0178	.0178	.0027	.0027	.0587	.1082
54	.300	.0154	.0154	.0002	.0002	.0042	.0077
55	.306	.0118	.0118	.0000	.0000	.0000	.0000
56	.311	.0118	.0118	.0000	.0000	.0000	.0000
57	.317	.0109	.0109	.0000	.0000	.0000	.0000
58	.322	.0125	.0125	.0000	.0000	.0000	.0000
59	.328	.0157	.0157	.0000	.0000	.0000	.0000
60	.333	.0165	.0165	.0009	.0009	.0502	.0926

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=12 1.50E-08 3.50E-01 1.10E-01 1.07E-01 1.42E-01 1.78E-01 2.18E-01 2.68E-01 3.28E-01 3.98E-01 4.78E-01 5.68E-01 6.68E-01 7.78E-01 8.98E-01 1.02E-00 1.16E-00 1.32E-00 1.50E-00 1.70E-00 1.92E-00 2.18E-00 2.48E-00 2.82E-00 3.20E-00 3.62E-00 4.08E-00 4.58E-00 5.12E-00 5.70E-00 6.32E-00 6.98E-00 7.78E-00 8.72E-00 9.80E-00 1.10E-00 1.24E-00 1.40E-00 1.58E-00 1.78E-00 1.98E-00 2.20E-00 2.42E-00 2.68E-00 2.98E-00 3.32E-00 3.70E-00 4.12E-00 4.58E-00 5.08E-00 5.62E-00 6.20E-00 6.82E-00 7.48E-00 8.20E-00 9.00E-00 9.80E-00 1.08E-00 1.18E-00 1.28E-00 1.38E-00 1.48E-00 1.58E-00 1.68E-00 1.78E-00 1.88E-00 1.98E-00 2.08E-00 2.18E-00 2.28E-00 2.38E-00 2.48E-00 2.58E-00 2.68E-00 2.78E-00 2.88E-00 2.98E-00 3.08E-00 3.18E-00 3.28E-00 3.38E-00 3.48E-00 3.58E-00 3.68E-00 3.78E-00 3.88E-00 3.98E-00 4.08E-00 4.18E-00 4.28E-00 4.38E-00 4.48E-00 4.58E-00 4.68E-00 4.78E-00 4.88E-00 4.98E-00 5.08E-00 5.18E-00 5.28E-00 5.38E-00 5.48E-00 5.58E-00 5.68E-00 5.78E-00 5.88E-00 5.98E-00 6.08E-00 6.18E-00 6.28E-00 6.38E-00 6.48E-00 6.58E-00 6.68E-00 6.78E-00 6.88E-00 6.98E-00 7.08E-00 7.18E-00 7.28E-00 7.38E-00 7.48E-00 7.58E-00 7.68E-00 7.78E-00 7.88E-00 7.98E-00 8.08E-00 8.18E-00 8.28E-00 8.38E-00 8.48E-00 8.58E-00 8.68E-00 8.78E-00 8.88E-00 8.98E-00 9.08E-00 9.18E-00 9.28E-00 9.38E-00 9.48E-00 9.58E-00 9.68E-00 9.78E-00 9.88E-00 9.98E-00 1.00E-00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T = 7.5 RECORD = JH 3
 HOUR = 15 SIG.MGT. = 14.5 UPPER MGT. = 15.0
 TOTAL DF = 187 CORR. VAR. = 13.2 LOWER MGT. = 13.4
 NOISE LEVEL = .0119 WIND SPEED = 35

H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0830	.0830	.0711	.0711	.1311	.0453
1	.006	.1010	.1010	.0891	.0891	.1643	.0588
2	.011	.1350	.1350	.1231	.1231	.2270	.0784
3	.017	.1320	.1320	.1201	.1201	.2214	.0785
4	.022	.0763	.0763	.0674	.0674	.1243	.0479
5	.028	.0414	.0414	.0295	.0295	.0544	.0188
6	.033	.0463	.0463	.0354	.0354	.0652	.0225
7	.039	.0249	.0249	.0130	.0130	.0173	.0110
8	.044	.0316	.0316	.0197	.0197	.0235	.0433
9	.050	.1020	.1020	.0901	.0901	.1000	.1844
10	.056	.2550	.2550	.2431	.2431	.2545	.4744
11	.061	.3570	.3570	.3471	.3471	.3602	.6638
12	.067	.2790	.2790	.2671	.2671	.2740	.5050
13	.072	.1470	.1470	.1351	.1351	.1387	.2584
14	.078	.1110	.1110	.0991	.0991	.1026	.1891
15	.083	.2400	.2400	.2281	.2281	.2399	.4421
16	.089	.4450	.4450	.4331	.4331	.4464	.8649
17	.094	.7765	.7765	.7646	.7646	.8437	1.4951
18	.100	1.3427	1.3427	1.3308	1.3308	1.5130	2.7929
19	.106	1.3900	1.3900	1.3781	1.3781	1.6269	2.9986
20	.111	.8840	.8840	.8721	.8721	1.0444	1.9287
21	.117	.5720	.5720	.5601	.5601	.7179	1.3233
22	.122	.9040	.9040	.8921	.8921	.8606	1.2177
23	.128	.4110	.4110	.3991	.3991	.5630	1.0377
24	.133	.3100	.3100	.2981	.2981	.4636	.8172
25	.139	.1960	.1960	.1841	.1841	.2897	.5339
26	.144	.1300	.1300	.1181	.1181	.1971	.3633
27	.150	.1380	.1380	.1261	.1261	.2556	.4712
28	.156	.1600	.1600	.1481	.1481	.2803	.5185
29	.161	.0926	.0926	.0807	.0807	.1633	.3010
30	.167	.0676	.0676	.0557	.0557	.0776	.1430
31	.172	.0584	.0584	.0465	.0465	.1019	.1916
32	.178	.0727	.0727	.0608	.0608	.1331	.2422
33	.183	.0490	.0490	.0371	.0371	.1533	.2863
34	.189	.0408	.0408	.0289	.0289	.1118	.2061
35	.194	.0437	.0437	.0318	.0318	.1019	.1879
36	.200	.0424	.0424	.0305	.0305	.1046	.1966
37	.206	.0337	.0337	.0218	.0218	.0832	.1533
38	.211	.0273	.0273	.0154	.0154	.0644	.1187
39	.217	.0324	.0324	.0205	.0205	.0941	.1735
40	.222	.0154	.0154	.0020	.0020	.1057	.1948
41	.228	.0281	.0281	.0180	.0180	.1001	.1844
42	.233	.0278	.0278	.0157	.0157	.0948	.1785
43	.239	.0267	.0267	.0140	.0140	.0948	.1759
44	.244	.0222	.0222	.0109	.0109	.0828	.1526
45	.250	.0200	.0200	.0088	.0088	.0741	.1365
46	.256	.0203	.0203	.0095	.0095	.0849	.1636
47	.261	.0249	.0249	.0108	.0108	.1141	.2104
48	.267	.0205	.0205	.0072	.0072	.0851	.1569
49	.272	.0174	.0174	.0068	.0068	.0812	.1527
50	.278	.0099	.0099	.0000	.0000	.0000	.0000
51	.283	.0133	.0133	.0012	.0012	.0212	.0390
52	.289	.0159	.0159	.0035	.0035	.0675	.1245
53	.294	.0163	.0163	.0035	.0035	.0742	.1405
54	.300	.0128	.0128	.0011	.0011	.0273	.0504
55	.306	.0099	.0099	.0000	.0000	.0000	.0000
56	.311	.0114	.0114	.0000	.0000	.0000	.0000
57	.317	.0134	.0134	.0004	.0004	.0156	.0288
58	.322	.0107	.0107	.0000	.0000	.0000	.0000
59	.328	.0080	.0080	.0000	.0000	.0000	.0000
60	.333	.0074	.0074	.0000	.0000	.0000	.0000

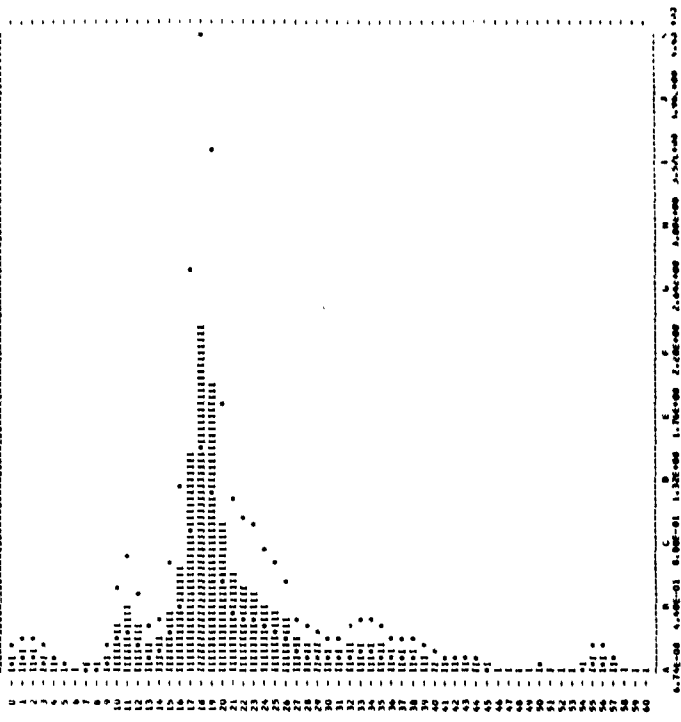
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=15 1.50E-08 3.50E-01 1.10E-01 1.07E-01 1.42E-01 1.78E-01 2.18E-01 2.68E-01 3.28E-01 3.98E-01 4.78E-01 5.68E-01 6.68E-01 7.78E-01 8.98E-01 1.02E-00 1.16E-00 1.32E-00 1.50E-00 1.70E-00 1.92E-00 2.18E-00 2.48E-00 2.82E-00 3.20E-00 3.62E-00 4.08E-00 4.58E-00 5.12E-00 5.70E-00 6.32E-00 6.98E-00 7.78E-00 8.72E-00 9.80E-00 1.10E-00 1.24E-00 1.40E-00 1.58E-00 1.78E-00 1.98E-00 2.20E-00 2.42E-00 2.68E-00 2.98E-00 3.32E-00 3.70E-00 4.12E-00 4.58E-00 5.08E-00 5.62E-00 6.20E-00 6.82E-00 7.48E-00 8.20E-00 9.00E-00 9.80E-00 1.08E-00 1.18E-00 1.28E-00 1.38E-00 1.48E-00 1.58E-00 1.68E-00 1.78E-00 1.88E-00 1.98E-00 2.08E-00 2.18E-00 2.28E-00 2.38E-00 2.48E-00 2.58E-00 2.68E-00 2.78E-00 2.88E-00 2.98E-00 3.08E-00 3.18E-00 3.28E-00 3.38E-00 3.48E-00 3.58E-00 3.68E-00 3.78E-00 3.88E-00 3.98E-00 4.08E-00 4.18E-00 4.28E-00 4.38E-00 4.48E-00 4.58E-00 4.68E-00 4.78E-00 4.88E-00 4.98E-00 5.08E-00 5.18E-00 5.28E-00 5.38E-00 5.48E-00 5.58E-00 5.68E-00 5.78E-00 5.88E-00 5.98E-00 6.08E-00 6.18E-00 6.28E-00 6.38E-00 6.48E-00 6.58E-00 6.68E-00 6.78E-00 6.

SMOOTHER HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T = 5.0 RECORD = JM 4
 HDM = 10 SIG. HGT. = 15.7 UPPER HGT. = 17.3
 TOTAL CF = 151 CORR. VAR. = 15.5 LOWER HGT. = 14.3
 NOISE LEVEL = .0003 WIND SPEED = 35

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0000	.0000	.0000	1.0000	.0000
1	.0000	.1200	.1200	.1187	.1187	.0750
2	.011	.1000	.1000	.0987	.0987	.0500
3	.017	.1010	.1010	.0997	.0997	.0500
4	.022	.0800	.0800	.0791	.0791	.0377
5	.028	.0712	.0712	.0705	.0705	.0300
6	.033	.0664	.0664	.0657	.0657	.0272
7	.039	.0585	.0585	.0578	.0578	.0243
8	.044	.0526	.0526	.0519	.0519	.0214
9	.050	.0467	.0467	.0460	.0460	.0185
10	.056	.0408	.0408	.0401	.0401	.0156
11	.061	.0349	.0349	.0342	.0342	.0127
12	.067	.0290	.0290	.0283	.0283	.0098
13	.072	.0231	.0231	.0224	.0224	.0069
14	.078	.0172	.0172	.0165	.0165	.0040
15	.083	.0113	.0113	.0106	.0106	.0011
16	.089	.0054	.0054	.0047	.0047	.0000
17	.094	.0000	.0000	.0000	.0000	.0000
18	1.000	2.1070	2.1070	2.0977	2.3081	4.4015
19	1.006	1.6700	1.6700	1.6607	1.9605	3.6135
20	1.111	.0250	.0250	.0237	1.0017	1.6453
21	1.117	.0191	.0191	.0178	.0462	1.1947
22	1.222	.0132	.0132	.0119	.0275	1.0459
23	1.328	.0073	.0073	.0060	.0441	1.0020
24	1.433	.0014	.0014	.0007	.0467	.0380
25	1.539	.0000	.0000	.0000	.0102	.0750
26	1.644	.0000	.0000	.0000	.0349	.0173
27	1.750	.0000	.0000	.0000	.1999	.0655
28	1.856	.0000	.0000	.0000	.1448	.0311
29	1.961	.0000	.0000	.0000	.1542	.0282
30	2.067	.0000	.0000	.0000	.1110	.0205
31	2.172	.0000	.0000	.0000	.1213	.0227
32	2.278	.0000	.0000	.0000	.1722	.0379
33	2.383	.0000	.0000	.0000	.1495	.0304
34	2.489	.0000	.0000	.0000	.1032	.0214
35	2.594	.0000	.0000	.0000	.1402	.0293
36	2.700	.0000	.0000	.0000	.1275	.0250
37	2.806	.0000	.0000	.0000	.1125	.0214
38	2.911	.0000	.0000	.0000	.1253	.0250
39	3.017	.0000	.0000	.0000	.1080	.0194
40	3.122	.0000	.0000	.0000	.0622	.0114
41	3.228	.0000	.0000	.0000	.0381	.0073
42	3.333	.0000	.0000	.0000	.0413	.0085
43	3.439	.0000	.0000	.0000	.0907	.0214
44	3.544	.0000	.0000	.0000	.0440	.0127
45	3.650	.0000	.0000	.0000	.0254	.0073
46	3.756	.0000	.0000	.0000	.0102	.0011
47	3.861	.0000	.0000	.0000	.0000	.0000
48	3.967	.0000	.0000	.0000	.0000	.0000
49	4.072	.0000	.0000	.0000	.0000	.0000
50	4.178	.0000	.0000	.0000	.0000	.0000
51	4.283	.0000	.0000	.0000	.0000	.0000
52	4.389	.0000	.0000	.0000	.0000	.0000
53	4.494	.0000	.0000	.0000	.0000	.0000
54	4.600	.0000	.0000	.0000	.0000	.0000
55	4.706	.0000	.0000	.0000	.0000	.0000
56	4.811	.0000	.0000	.0000	.0000	.0000
57	4.917	.0000	.0000	.0000	.0000	.0000
58	5.022	.0000	.0000	.0000	.0000	.0000
59	5.128	.0000	.0000	.0000	.0000	.0000
60	5.233	.0000	.0000	.0000	.0000	.0000

SMOOTHER HINCASTING SPECTRA COMPUTED MARCH 1963

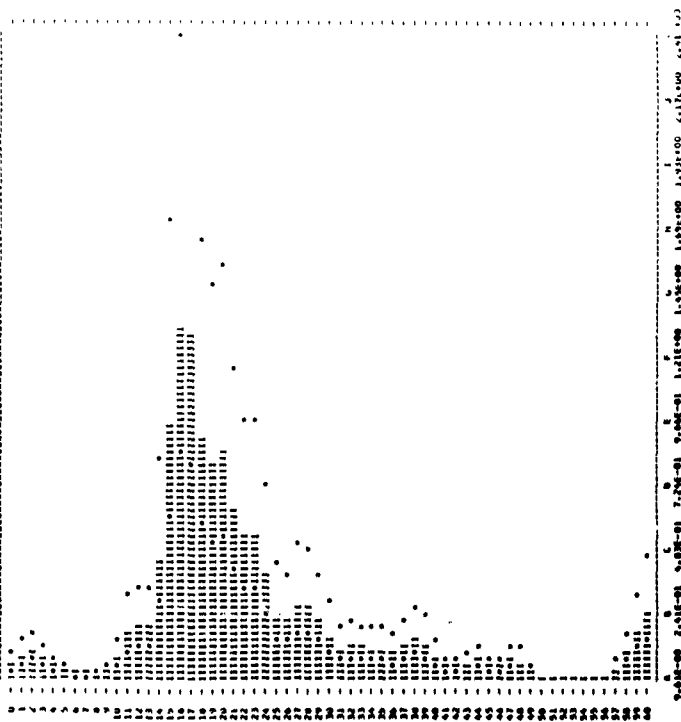


SMOOTHER HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 1/59 AV. T = 7.1 RECORD = JM 5
 HDM = 21 SIG. HGT. = 16.5 UPPER HGT. = 15.7
 TOTAL CF = 204 CORR. VAR. = 13.1 LOWER HGT. = 14.3
 NOISE LEVEL = .0103 WIND SPEED = 30

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0380	.0380	.0477	.0880	.0304
1	.006	.0864	.0864	.0781	.1640	.0498
2	.011	.1040	.1040	.0957	.1765	.0410
3	.017	.0752	.0752	.0649	.1197	.0414
4	.022	.0521	.0521	.0418	.0818	.0244
5	.028	.0338	.0338	.0235	.0235	.0434
6	.033	.0215	.0215	.0112	.0177	.0326
7	.039	.0210	.0210	.0107	.0163	.0243
8	.044	.0200	.0200	.0097	.0118	.0214
9	.050	.0140	.0140	.0027	.0284	.0486
10	.056	.0091	.0091	.0018	.0796	.0907
11	.061	.0700	.0700	.0597	.1857	.3195
12	.067	.0500	.0500	.0397	.1644	.3198
13	.072	.0310	.0310	.0207	.1854	.3418
14	.078	.0410	.0410	.0307	.0458	.0217
15	.083	.0091	.0091	.0081	.0325	.1205
16	.089	1.2425	1.2425	1.2322	3.0102	2.4150
17	.094	1.1400	1.1400	1.1497	1.2686	2.3383
18	1.100	.7470	.7470	.7887	.8856	1.6508
19	1.106	.0420	.0420	.0317	.0268	.1434
20	1.111	.0910	.0910	.0807	.0360	1.5408
21	1.117	.0040	.0040	.0037	.0328	1.1844
22	1.222	.0490	.0490	.0347	.0299	.0767
23	1.328	.0320	.0320	.0217	.0243	.0644
24	1.433	.0250	.0250	.0147	.0197	.0256
25	1.539	.0110	.0110	.0007	.0271	.0371
26	1.644	.0380	.0380	.0257	.0208	.0407
27	1.750	.0130	.0130	.0027	.0269	.0493
28	1.856	.0140	.0140	.0017	.0403	.0859
29	1.961	.0170	.0170	.0067	.0159	.0980
30	2.067	.0017	.0017	.0014	.0351	.0858
31	2.172	.0044	.0044	.0034	.0081	.0192
32	2.278	.0085	.0085	.0082	.0214	.0238
33	2.383	.0012	.0012	.0012	.0113	.0291
34	2.489	.0047	.0047	.0034	.0187	.0489
35	2.594	.0026	.0026	.0023	.0134	.0190
36	2.700	.0073	.0073	.0067	.0064	.0061
37	2.806	.0010	.0010	.0007	.0171	.0158
38	2.911	.0054	.0054	.0031	.0144	.0433
39	3.017	.0081	.0081	.0078	.0274	.0612
40	3.122	.0065	.0065	.0065	.0834	.1537
41	3.228	.0011	.0011	.0011	.0056	.0040
42	3.333	.0011	.0011	.0011	.0039	.0025
43	3.439	.0003	.0003	.0003	.0031	.0020
44	3.544	.0000	.0000	.0000	.0017	.0128
45	3.650	.0000	.0000	.0000	.0019	.0130
46	3.756	.0000	.0000	.0000	.0019	.0074
47	3.861	.0000	.0000	.0000	.0011	.0075
48	3.967	.0000	.0000	.0000	.0011	.0134
49	4.072	.0000	.0000	.0000	.0002	.0109
50	4.178	.0000	.0000	.0000	.0000	.0041
51	4.283	.0000	.0000	.0000	.0000	.0000
52	4.389	.0000	.0000	.0000	.0000	.0000
53	4.494	.0000	.0000	.0000	.0000	.0000
54	4.600	.0000	.0000	.0000	.0000	.0000
55	4.706	.0000	.0000	.0000	.0000	.0000
56	4.811	.0000	.0000	.0000	.0000	.0000
57	4.917	.0000	.0000	.0000	.0000	.0000
58	5.022	.0000	.0000	.0000	.0000	.0000
59	5.128	.0000	.0000	.0000	.0000	.0000
60	5.233	.0000	.0000	.0000	.0000	.0000

SMOOTHER HINCASTING SPECTRA COMPUTED MARCH 1963

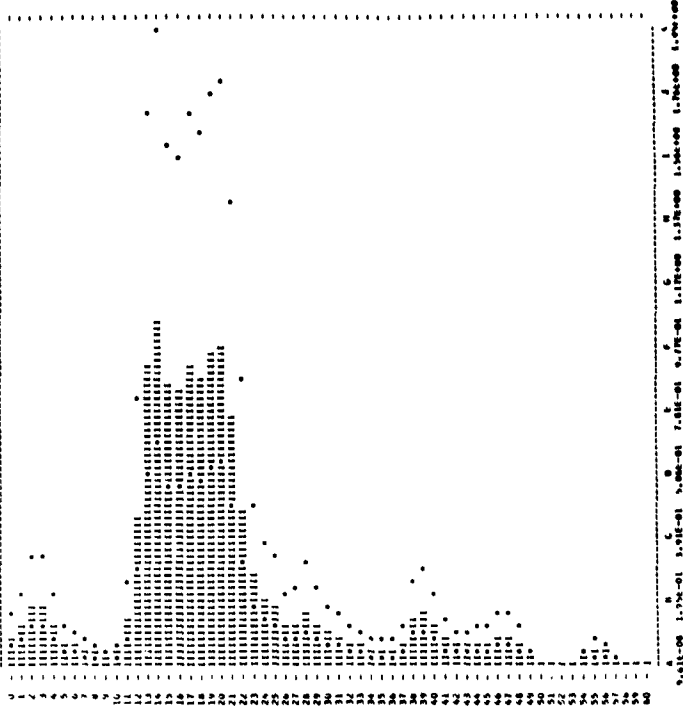


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/12/59 AV. T = 8.3 RECORD = JMB 1
 HOUR = 8 SIG. MGT. = 10.6 UPPER MGT. = 15.6
 TOTAL DP = 100 CORR. VAR. = 12.9 LOWER MGT. = 13.7
 NOISE LEVEL = .0000 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0091	.0091	.0091	.1931	.0529
1	.000	.1250	.1250	.1190	.1140	.2143
2	.011	.1090	.1090	.1030	.1030	.1185
3	.011	.1890	.1890	.1830	.1730	.1109
4	.022	.1230	.1230	.1170	.2136	.0749
5	.022	.0650	.0650	.0590	.1047	.0376
6	.033	.0421	.0421	.0361	.0648	.0282
7	.033	.0401	.0401	.0341	.0432	.0438
8	.044	.0280	.0280	.0220	.0343	.0636
9	.044	.0249	.0249	.0189	.0249	.0886
10	.056	.0380	.0380	.0320	.0348	.0642
11	.061	.1370	.1370	.1310	.1349	.2903
12	.067	.0960	.0960	.0900	.0932	.0590
13	.072	.0997	.0997	.0937	.0169	.1090
14	.078	.10300	.10300	.10240	.10998	.1934
15	.083	.0310	.0310	.0250	.0476	.1987
16	.089	.0000	.0000	.7940	.0042	.1960
17	.094	.0400	.0400	.0340	.0202	.1081
18	.100	.7040	.7040	.7780	.8056	.6324
19	.106	.0110	.0110	.0050	.0503	.17913
20	.111	.0790	.0790	.0730	.0738	.17946
21	.117	.0090	.0090	.0030	.7716	.14221
22	.122	.3610	.3610	.3550	.0765	.0783
23	.128	.1960	.1960	.1900	.0800	.0979
24	.133	.1420	.1420	.1360	.2027	.3727
25	.139	.1200	.1200	.1140	.1793	.3309
26	.144	.0770	.0770	.0710	.1164	.1210
27	.150	.0760	.0760	.0700	.1292	.2307
28	.156	.0930	.0930	.0870	.1097	.3096
29	.161	.0970	.0970	.0910	.1290	.2308
30	.167	.0480	.0480	.0420	.0911	.1679
31	.172	.0419	.0419	.0359	.0837	.1562
32	.178	.0293	.0293	.0233	.0586	.1080
33	.183	.0291	.0291	.0231	.0518	.0936
34	.189	.0211	.0211	.0151	.0444	.0819
35	.194	.0190	.0190	.0130	.0414	.0746
36	.200	.0183	.0183	.0123	.0428	.0790
37	.206	.0237	.0237	.0177	.0673	.1261
38	.211	.0342	.0342	.0282	.1384	.251
39	.217	.0406	.0406	.0346	.1384	.2920
40	.222	.0285	.0285	.0225	.1134	.2070
41	.228	.0165	.0165	.0105	.0842	.1276
42	.233	.0124	.0124	.0064	.0506	.0933
43	.239	.0157	.0157	.0097	.0575	.1099
44	.244	.0440	.0440	.0380	.0616	.1132
45	.250	.0128	.0128	.0068	.0649	.1176
46	.256	.0152	.0152	.0093	.0803	.1480
47	.261	.0149	.0149	.0089	.0842	.1549
48	.267	.0117	.0117	.0054	.0638	.1177
49	.272	.0072	.0072	.0018	.0237	.0637
50	.278	.0049	.0049	.0000	.0000	.0000
51	.283	.0049	.0051	.0000	.0000	.0000
52	.289	.0056	.0055	.0000	.0000	.0000
53	.294	.0040	.0040	.0000	.0000	.0000
54	.300	.0067	.0068	.0000	.0188	.0347
55	.306	.0077	.0073	.0013	.0380	.0700
56	.311	.0073	.0073	.0013	.0380	.0700
57	.317	.0080	.0082	.0000	.0075	.0139
58	.322	.0056	.0056	.0000	.0000	.0000
59	.328	.0051	.0051	.0000	.0000	.0000
60	.333	.0051	.0052	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 8 AVERAGE = .0000000
 0.010-00 1.000-01 2.000-01 3.000-01 4.000-01 5.000-01 6.000-01 7.000-01 8.000-01 9.000-01 10.000-01 11.000-01 12.000-01 13.000-01 14.000-01 15.000-01 16.000-01 17.000-01 18.000-01 19.000-01 20.000-01 21.000-01 22.000-01 23.000-01 24.000-01 25.000-01 26.000-01 27.000-01 28.000-01 29.000-01 30.000-01 31.000-01 32.000-01 33.000-01 34.000-01 35.000-01 36.000-01 37.000-01 38.000-01 39.000-01 40.000-01 41.000-01 42.000-01 43.000-01 44.000-01 45.000-01 46.000-01 47.000-01 48.000-01 49.000-01 50.000-01 51.000-01 52.000-01 53.000-01 54.000-01 55.000-01 56.000-01 57.000-01 58.000-01 59.000-01 60.000-01

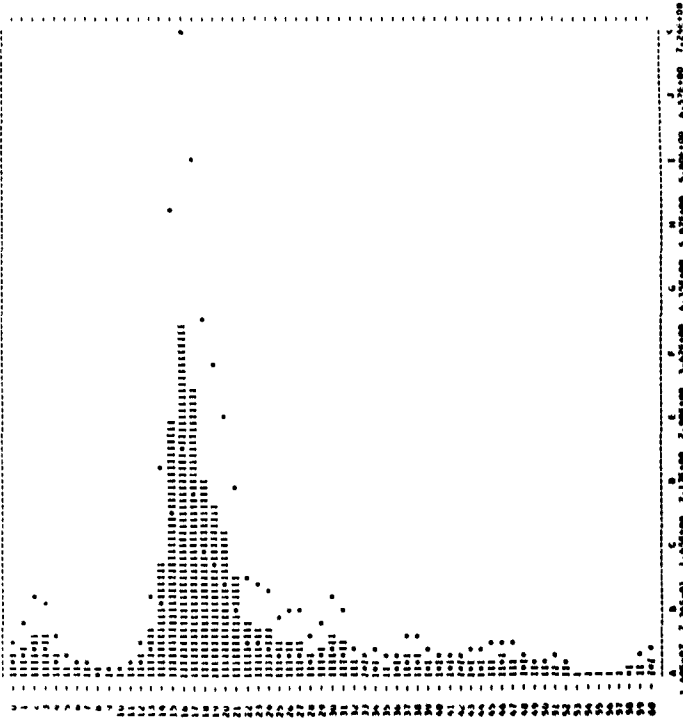


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 22/12/59 AV. T = 7.9 RECORD = JMB 2
 HOUR = 8 SIG. MGT. = 21.2 UPPER MGT. = 21.3
 TOTAL DP = 157 CORR. VAR. = 28.1 LOWER MGT. = 19.4
 NOISE LEVEL = .0175 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2045	.2045	.1870	.3447	.1191
1	.006	.3149	.3149	.2974	.5482	.1896
2	.011	.4719	.4719	.4545	.8377	.2896
3	.017	.4473	.4473	.4303	.6178	.7701
4	.022	.2557	.2557	.2382	.2382	.6391
5	.028	.1223	.1223	.1048	.1048	.1932
6	.033	.0747	.0747	.0573	.0902	.1063
7	.039	.0492	.0492	.0317	.0487	.1266
8	.044	.0526	.0526	.0352	.0419	.0772
9	.050	.0362	.0362	.0187	.0208	.0183
10	.056	.0488	.0488	.0313	.0613	.0212
11	.061	.1116	.1116	.0941	.0976	.1199
12	.067	.2020	.2020	.1845	.1893	.3489
13	.072	.0835	.0835	.0661	.0782	.0816
14	.078	.12236	.12236	.1048	.1248	.23009
15	.083	2.7195	2.7195	2.7021	2.8410	5.2363
16	.089	3.7136	3.7136	3.6961	3.9301	7.2438
17	.094	2.8021	2.8021	2.8057	3.1620	5.9280
18	.100	1.9298	1.9298	1.9123	2.1170	4.0125
19	.106	1.6113	1.6113	1.5938	1.8815	3.4679
20	.111	1.3089	1.3089	1.2915	1.5859	2.9231
21	.117	.8914	.8914	.8739	1.1201	2.0665
22	.122	.4671	.4671	.4496	.6035	1.1174
23	.128	.3091	.3091	.2916	.3869	.9896
24	.133	.1910	.1910	.1735	.2460	.6162
25	.139	.2190	.2190	.2015	.3485	.6423
26	.144	.2507	.2507	.2332	.3892	.7173
27	.150	.2305	.2305	.2130	.3778	.6984
28	.156	.1510	.1510	.1335	.2525	.4656
29	.161	.1661	.1661	.1486	.3007	.5592
30	.167	.2316	.2316	.2141	.2884	.6559
31	.172	.1743	.1743	.1568	.3775	.6987
32	.178	.0872	.0872	.0697	.1755	.3235
33	.183	.0656	.0656	.0481	.1309	.2612
34	.189	.0648	.0648	.0474	.1397	.2374
35	.194	.0500	.0500	.0325	.1040	.1916
36	.200	.0349	.0349	.0174	.1118	.2061
37	.206	.0762	.0762	.0588	.2238	.4126
38	.211	.0771	.0776	.0601	.2508	.4622
39	.217	.0649	.0649	.0474	.1942	.2638
40	.222	.0347	.0347	.0172	.1260	.2322
41	.228	.0426	.0408	.0233	.1276	.2388
42	.233	.0388	.0388	.0213	.1346	.2480
43	.239	.0373	.0377	.0202	.1377	.2537
44	.244	.0373	.0376	.0202	.1530	.2819
45	.250	.0387	.0376	.0191	.1803	.3323
46	.256	.0405	.0384	.0209	.1973	.3637
47	.261	.0337	.0363	.0188	.1776	.3276
48	.267	.0341	.0316	.0168	.1334	.2406
49	.272	.0236	.0242	.0067	.0894	.1855
50	.278	.0205	.0225	.0050	.0753	.1389
51	.283	.0216	.0202	.0062	.1049	.1534
52	.289	.0236	.0223	.0049	.0940	.1733
53	.294	.0172	.0177	.0002	.0067	.0087
54	.300	.0176	.0176	.0000	.0000	.0000
55	.306	.0105	.0114	.0000	.0000	.0000
56	.311	.0117	.0126	.0000	.0000	.0000
57	.317	.0163	.0163	.0000	.0000	.0000
58	.322	.0189	.0184	.0000	.0399	.0716
59	.328	.0195	.0196	.0021	.1058	.1956
60	.333	.0204	.0200	.0029	.1439	.2652

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 8 AVERAGE = .0000000
 1.000-00 2.000-00 3.000-00 4.000-00 5.000-00 6.000-00 7.000-00 8.000-00 9.000-00 10.000-00 11.000-00 12.000-00 13.000-00 14.000-00 15.000-00 16.000-00 17.000-00 18.000-00 19.000-00 20.000-00 21.000-00 22.000-00 23.000-00 24.000-00 25.000-00 26.000-00 27.000-00 28.000-00 29.000-00 30.000-00 31.000-00 32.000-00 33.000-00 34.000-00 35.000-00 36.000-00 37.000-00 38.000-00 39.000-00 40.000-00 41.000-00 42.000-00 43.000-00 44.000-00 45.000-00 46.000-00 47.000-00 48.000-00 49.000-00 50.000-00 51.000-00 52.000-00 53.000-00 54.000-00 55.000-00 56.000-00 57.000-00 58.000-00 59.000-00 60.000-00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/17/59 AV. T = 10.8 RECORD = JMR 3
 HOUR = 12 SIG. HGT. = 36.1 UPPER HGT. = 46.0
 TOTAL DP = 122 CURR. VAL. = 81.4 LOWER HGT. = 32.9
 NOISE LEVEL = .0230 WIND SPED = 0

H	FREQ.	UNIT	FILTERED	NOISE	LOWR. FT. 2	UPPER	LOWR
0	.000		.1580	.1580	.1350	.2489	.0860
1	.006		.1640	.1640	.1430	.2636	.0911
2	.011		.2730	.2730	.2500	.4808	.1592
3	.017		.3480	.3480	.3250	.5991	.2070
4	.022		.2240	.2240	.2010	.3709	.1280
5	.028		.1370	.1370	.1140	.2102	.0726
6	.034		.1943	.1943	.1713	.3078	.1025
7	.039		1.7213	1.7213	1.6983	2.2549	1.4358
8	.044		3.6175	3.6175	3.5945	4.2804	2.7295
9	.050		6.4717	6.4717	6.4487	7.1374	4.4574
10	.056		11.0976	11.0976	11.0746	11.7723	7.4959
11	.061		12.5971	12.5971	12.5741	13.0457	8.3067
12	.067		2.4588	2.4588	2.4358	2.8075	1.9388
13	.072		4.4622	4.4622	4.4392	4.9546	3.1949
14	.078		3.9888	3.9888	3.9658	4.1066	2.6136
15	.083		4.2085	4.2085	4.1855	4.6007	2.8021
16	.089		3.1470	3.1470	3.1240	3.3218	2.1151
17	.094		1.7222	1.7222	1.6992	1.8769	1.1938
18	.100		1.0791	1.0791	1.0561	1.2074	.7654
19	.106		1.2908	1.2908	1.2678	1.4269	.9459
20	.111		1.3971	1.3971	1.3741	1.4876	1.0744
21	.117		1.0200	1.0200	1.0000	1.1777	.8137
22	.122		.5160	.5160	.4930	.6618	.4214
23	.128		.3030	.3030	.2800	.3950	.2515
24	.133		.2840	.2840	.2610	.3406	.2149
25	.139		.2080	.2080	.1850	.2411	.1533
26	.144		.2010	.2010	.1780	.2297	.1481
27	.150		.2140	.2140	.1910	.2388	.1537
28	.156		.1940	.1940	.1710	.2273	.1484
29	.161		.1890	.1890	.1660	.2158	.1430
30	.167		.1870	.1870	.1640	.2122	.1390
31	.172		.1110	.1110	.1080	.1205	.1307
32	.178		.1180	.1180	.1050	.1292	.1408
33	.183		.1040	.1040	.1010	.1094	.1219
34	.189		.1270	.1270	.1040	.1306	.1353
35	.194		.1250	.1250	.1020	.1267	.1290
36	.200		.1200	.1200	.1000	.1238	.1254
37	.206		.0728	.0728	.0698	.1898	.1208
38	.211		.0445	.0445	.0215	.0898	.0572
39	.217		.0359	.0359	.0329	.0417	.0402
40	.222		.0627	.0627	.0397	.1760	.1121
41	.228		.0223	.0223	.0297	.1852	.1052
42	.233		.0484	.0484	.0254	.1415	.0901
43	.239		.0448	.0448	.0224	.1528	.0973
44	.244		.0485	.0485	.0255	.1336	.0823
45	.250		.0522	.0522	.0285	.1237	.0764
46	.256		.0444	.0444	.0224	.1145	.0700
47	.261		.0416	.0416	.0233	.1249	.0759
48	.267		.0540	.0540	.0312	.1700	.0930
49	.272		.0411	.0411	.0226	.1145	.0700
50	.278		.0410	.0410	.0226	.1103	.0670
51	.283		.0271	.0271	.0204	.1122	.0647
52	.289		.0210	.0210	.0200	.0149	.0108
53	.294		.0263	.0263	.0204	.0759	.0483
54	.300		.0321	.0321	.0281	.1348	.0896
55	.306		.0261	.0261	.0234	.1184	.0770
56	.311		.0212	.0212	.0200	.0000	.0000
57	.317		.0173	.0173	.0200	.0000	.0000
58	.322		.0159	.0159	.0200	.0000	.0000
59	.328		.0191	.0191	.0200	.0000	.0000
60	.333		.0195	.0195	.0200	.0000	.0000

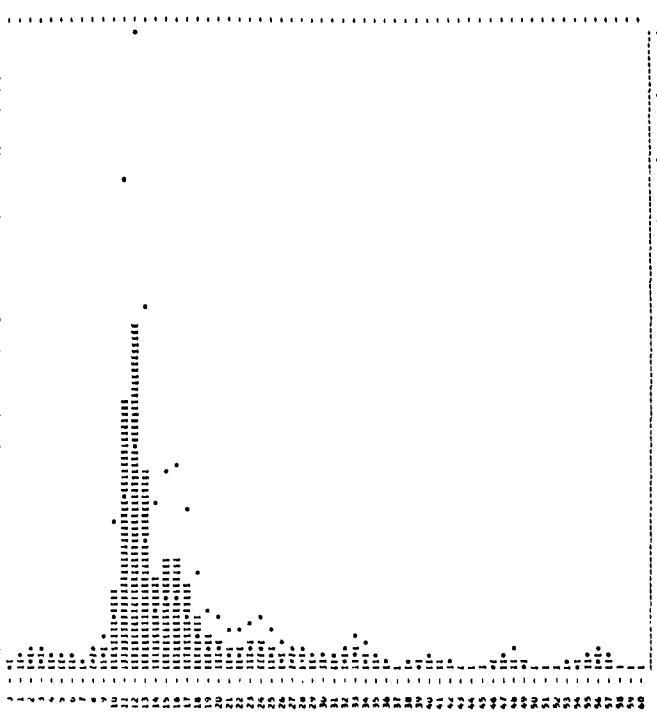
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12 AVERAGE = 80.000000
 2.04E-07 2.04E-06 4.08E-05 0.181E+00 0.721E+00 2.88E+00 1.04E+01 2.04E+01 4.08E+01 8.16E+01 1.63E+02 3.26E+02 6.52E+02 1.29E+03 2.58E+03 5.16E+03 1.03E+04 2.06E+04 4.12E+04 8.24E+04 1.65E+05 3.29E+05 6.58E+05 1.31E+06 2.62E+06 5.24E+06 1.05E+07 2.09E+07 4.18E+07 8.36E+07 1.67E+08 3.34E+08 6.68E+08 1.34E+09 2.68E+09 5.36E+09 1.07E+10 2.14E+10 4.28E+10 8.56E+10 1.71E+11 3.42E+11 6.84E+11 1.37E+12 2.74E+12 5.48E+12 1.09E+13 2.18E+13 4.36E+13 8.72E+13 1.74E+14 3.48E+14 6.96E+14 1.39E+15 2.78E+15 5.56E+15 1.11E+16 2.22E+16 4.44E+16 8.88E+16 1.77E+17 3.54E+17 7.08E+17 1.41E+18 2.82E+18 5.64E+18 1.13E+19 2.26E+19 4.52E+19 9.04E+19 1.81E+20 3.62E+20 7.24E+20 1.45E+21 2.90E+21 5.80E+21 1.16E+22 2.32E+22 4.64E+22 9.28E+22 1.85E+23 3.70E+23 7.40E+23 1.48E+24 2.96E+24 5.92E+24 1.18E+25 2.36E+25 4.72E+25 9.44E+25 1.89E+26 3.78E+26 7.56E+26 1.51E+27 3.02E+27 6.04E+27 1.21E+28 2.42E+28 4.84E+28 9.68E+28 1.93E+29 3.86E+29 7.72E+29 1.54E+30 3.08E+30 6.16E+30 1.23E+31 2.46E+31 4.92E+31 9.84E+31 1.97E+32 3.94E+32 7.88E+32 1.57E+33 3.14E+33 6.28E+33 1.25E+34 2.50E+34 5.00E+34 1.00E+35 2.00E+35 4.00E+35 8.00E+35 1.60E+36 3.20E+36 6.40E+36 1.28E+37 2.56E+37 5.12E+37 1.02E+38 2.04E+38 4.08E+38 8.16E+38 1.63E+39 3.26E+39 6.52E+39 1.29E+40 2.58E+40 5.16E+40 1.03E+41 2.06E+41 4.12E+41 8.24E+41 1.65E+42 3.29E+42 6.58E+42 1.31E+43 2.62E+43 5.24E+43 1.05E+44 2.09E+44 4.18E+44 8.36E+44 1.67E+45 3.34E+45 6.68E+45 1.34E+46 2.68E+46 5.36E+46 1.07E+47 2.14E+47 4.28E+47 8.56E+47 1.71E+48 3.42E+48 6.84E+48 1.37E+49 2.74E+49 5.48E+49 1.09E+50 2.18E+50 4.36E+50 8.72E+50 1.74E+51 3.48E+51 6.96E+51 1.39E+52 2.78E+52 5.56E+52 1.11E+53 2.22E+53 4.44E+53 8.88E+53 1.77E+54 3.54E+54 7.08E+54 1.41E+55 2.82E+55 5.64E+55 1.13E+56 2.26E+56 4.52E+56 9.04E+56 1.81E+57 3.62E+57 7.24E+57 1.45E+58 2.90E+58 5.80E+58 1.16E+59 2.32E+59 4.64E+59 9.28E+59 1.85E+60 3.70E+60 7.40E+60 1.48E+61 2.96E+61 5.92E+61 1.18E+62 2.36E+62 4.72E+62 9.44E+62 1.89E+63 3.78E+63 7.56E+63 1.51E+64 3.02E+64 6.04E+64 1.21E+65 2.42E+65 4.84E+65 9.68E+65 1.93E+66 3.86E+66 7.72E+66 1.54E+67 3.08E+67 6.16E+67 1.23E+68 2.46E+68 4.92E+68 9.84E+68 1.97E+69 3.94E+69 7.88E+69 1.57E+70 3.14E+70 6.28E+70 1.25E+71 2.50E+71 5.00E+71 1.00E+72 2.00E+72 4.00E+72 8.00E+72 1.60E+73 3.20E+73 6.40E+73 1.28E+74 2.56E+74 5.12E+74 1.02E+75 2.04E+75 4.08E+75 8.16E+75 1.63E+76 3.26E+76 6.52E+76 1.29E+77 2.58E+77 5.16E+77 1.03E+78 2.06E+78 4.12E+78 8.24E+78 1.65E+79 3.29E+79 6.58E+79 1.31E+80 2.62E+80 5.24E+80 1.05E+81 2.09E+81 4.18E+81 8.36E+81 1.67E+82 3.34E+82 6.68E+82 1.34E+83 2.68E+83 5.36E+83 1.07E+84 2.14E+84 4.28E+84 8.56E+84 1.71E+85 3.42E+85 6.84E+85 1.37E+86 2.74E+86 5.48E+86 1.09E+87 2.18E+87 4.36E+87 8.72E+87 1.74E+88 3.48E+88 6.96E+88 1.39E+89 2.78E+89 5.56E+89 1.11E+90 2.22E+90 4.44E+90 8.88E+90 1.77E+91 3.54E+91 7.08E+91 1.41E+92 2.82E+92 5.64E+92 1.13E+93 2.26E+93 4.52E+93 9.04E+93 1.81E+94 3.62E+94 7.24E+94 1.45E+95 2.90E+95 5.80E+95 1.16E+96 2.32E+96 4.64E+96 9.28E+96 1.85E+97 3.70E+97 7.40E+97 1.48E+98 2.96E+98 5.92E+98 1.18E+99 2.36E+99 4.72E+99 9.44E+99 1.89E+100 3.78E+100 7.56E+100 1.51E+101 3.02E+101 6.04E+101 1.21E+102 2.42E+102 4.84E+102 9.68E+102 1.93E+103 3.86E+103 7.72E+103 1.54E+104 3.08E+104 6.16E+104 1.23E+105 2.46E+105 4.92E+105 9.84E+105 1.97E+106 3.94E+106 7.88E+106 1.57E+107 3.14E+107 6.28E+107 1.25E+108 2.50E+108 5.00E+108 1.00E+109 2.00E+109 4.00E+109 8.00E+109 1.60E+110 3.20E+110 6.40E+110 1.28E+111 2.56E+111 5.12E+111 1.02E+112 2.04E+112 4.08E+112 8.16E+112 1.63E+113 3.26E+113 6.52E+113 1.29E+114 2.58E+114 5.16E+114 1.03E+115 2.06E+115 4.12E+115 8.24E+115 1.65E+116 3.29E+116 6.58E+116 1.31E+117 2.62E+117 5.24E+117 1.05E+118 2.09E+118 4.18E+118 8.36E+118 1.67E+119 3.34E+119 6.68E+119 1.34E+120 2.68E+120 5.36E+120 1.07E+121 2.14E+121 4.28E+121 8.56E+121 1.71E+122 3.42E+122 6.84E+122 1.37E+123 2.74E+123 5.48E+123 1.09E+124 2.18E+124 4.36E+124 8.72E+124 1.74E+125 3.48E+125 6.96E+125 1.39E+126 2.78E+126 5.56E+126 1.11E+127 2.22E+127 4.44E+127 8.88E+127 1.77E+128 3.54E+128 7.08E+128 1.41E+129 2.82E+129 5.64E+129 1.13E+130 2.26E+130 4.52E+130 9.04E+130 1.81E+131 3.62E+131 7.24E+131 1.45E+132 2.90E+132 5.80E+132 1.16E+133 2.32E+133 4.64E+133 9.28E+133 1.85E+134 3.70E+134 7.40E+134 1.48E+135 2.96E+135 5.92E+135 1.18E+136 2.36E+136 4.72E+136 9.44E+136 1.89E+137 3.78E+137 7.56E+137 1.51E+138 3.02E+138 6.04E+138 1.21E+139 2.42E+139 4.84E+139 9.68E+139 1.93E+140 3.86E+140 7.72E+140 1.54E+141 3.08E+141 6.16E+141 1.23E+142 2.46E+142 4.92E+142 9.84E+142 1.97E+143 3.94E+143 7.88E+143 1.57E+144 3.14E+144 6.28E+144 1.25E+145 2.50E+145 5.00E+145 1.00E+146 2.00E+146 4.00E+146 8.00E+146 1.60E+147 3.20E+147 6.40E+147 1.28E+148 2.56E+148 5.12E+148 1.02E+149 2.04E+149 4.08E+149 8.16E+149 1.63E+150 3.26E+150 6.52E+150 1.29E+151 2.58E+151 5.16E+151 1.03E+152 2.06E+152 4.12E+152 8.24E+152 1.65E+153 3.29E+153 6.58E+153 1.31E+154 2.62E+154 5.24E+154 1.05E+155 2.09E+155 4.18E+155 8.36E+155 1.67E+156 3.34E+156 6.68E+156 1.34E+157 2.68E+157 5.36E+157 1.07E+158 2.14E+158 4.28E+158 8.56E+158 1.71E+159 3.42E+159 6.84E+159 1.37E+160 2.74E+160 5.48E+160 1.09E+161 2.18E+161 4.36E+161 8.72E+161 1.74E+162 3.48E+162 6.96E+162 1.39E+163 2.78E+163 5.56E+163 1.11E+164 2.22E+164 4.44E+164 8.88E+164 1.77E+165 3.54E+165 7.08E+165 1.41E+166 2.82E+166 5.64E+166 1.13E+167 2.26E+167 4.52E+167 9.04E+167 1.81E+168 3.62E+168 7.24E+168 1.45E+169 2.90E+169 5.80E+169 1.16E+170 2.32E+170 4.64E+170 9.28E+170 1.85E+171 3.70E+171 7.40E+171 1.48E+172 2.96E+172 5.92E+172 1.18E+173 2.36E+173 4.72E+173 9.44E+173 1.89E+174 3.78E+174 7.56E+174 1.51E+175 3.02E+175 6.04E+175 1.21E+176 2.42E+176 4.84E+176 9.68E+176 1.93E+177 3.86E+177 7.72E+177 1.54E+178 3.08E+178 6.16E+178 1.23E+179 2.46E+179 4.92E+179 9.84E+179 1.97E+180 3.94E+180 7.88E+180 1.57E+181 3.14E+181 6.28E+181 1.25E+182 2.50E+182 5.00E+182 1.00E+183 2.00E+183 4.00E+183 8.00E+183 1.60E+184 3.20E+184 6.40E+184 1.28E+185 2.56E+185 5.12E+185 1.02E+186 2.04E+186 4.08E+186 8.16E+186 1.63E+187 3.26E+187 6.52E+187 1.29E+188 2.58E+188 5.16E+188 1.03E+189 2.06E+189 4.12E+189 8.24E+189 1.65E+190 3.29E+190 6.58E+190 1.31E+191 2.62E+191 5.24E+191 1.05E+192 2.09E+192 4.18E+192 8.36E+192 1.67E+193 3.34E+193 6.68E+193 1.34E+194 2.68E+194 5.36E+194 1.07E+195 2.14E+195 4.28E+195 8.56E+195 1.71E+196 3.42E+196 6.84E+196 1.37E+197 2.74E+197 5.48E+197 1.09E+198 2.18E+198 4.36E+198 8.72E+198 1.74E+199 3.48E+199 6.96E+199 1.39E+200 2.78E+200 5.56E+200 1.11E+201 2.22E+201 4.44E+201 8.88E+201 1.77E+202 3.54E+202 7.08E+202 1.41E+203 2.82E+203 5.64E+203 1.13E+204 2.26E+204 4.52E+204 9.04E+204 1.81E+205 3.62E+205 7.24E+205 1.45E+206 2.90E+206 5.80E+206 1.16E+207 2.32E+207 4.64E+207 9.28E+207 1.85E+208 3.70E+208 7.40E+208 1.48E+209 2.96E+209 5.92E+209 1.18E+210 2.36E+210 4.72E+210 9.44E+210 1.89E+211 3.78E+211 7.56E+211 1.51E+212 3.02E+212 6.04E+212 1.21E+213 2.42E+213 4.84E+213 9.68E+213 1.93E+214 3.86E+214 7.72E+214 1.54E+215 3.08E+215 6.16E+215 1.23E+216 2.46E+216 4.92E+216 9.84E+216 1.97E+217 3.94E+217 7.88E+217 1.57E+218 3.14E+218 6.28E+218 1.25E+219 2.50E+219 5.00E+219 1.00E+220 2.00E+220 4.00E+220 8.00E+220 1.60E+221 3.20E+221 6.40E+221 1.28E+222 2.56E+222 5.12E+222 1.02E+223 2.04E+223 4.08E+223 8.16E+223 1.63E+224 3.26E+224 6.52E+224 1.29E+225 2.58E+225 5.16E+225 1.03E+226 2.06E+226 4.12E+226 8.24E+226 1.65E+227 3.29E+227 6.58E+227 1.31E+228 2.62E+228 5.24E+228 1.05E+229 2.09E+229 4.18E+229 8.36E+229 1.67E+230 3.34E+230 6.68E+230 1.34E+231 2.68E+231 5.36E+231 1.07E+232 2.14E+232 4.28E+232 8.56E+232 1.71E+233 3.42E+233 6.84E+233 1.37E+234 2.74E+234 5.48E+234 1.09E+235 2.18E+235 4.36E+235 8.72E+235 1.74E+236 3.48E+236 6.96E+236 1.39E+237 2.78E+237 5.56E+237 1.11E+238 2.22E+

SMOOTHED BROADCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 AV. T = 9.7 RECORD = JUN 9
 HOUR = 6 SIG. HGT. = 35.4 UPPER HGT. = 29.5
 TOTAL DF = 110 CURR. Vm. = 78.3 LOWER HGT. = 21.7
 NOISE LEVEL = .0006 WIND SPEED = 0

M	PRE.	UNIT FT. 2	FILTERED - NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.2215	.1931	.1931	.2022	.0975
1	.000	.2630	.2366	.2366	.2460	.1376
2	.011	.3250	.3000	.3000	.3100	.1971
3	.017	.4030	.3800	.3800	.3911	.2767
4	.022	.4960	.4750	.4750	.4870	.3696
5	.028	.6000	.5800	.5800	.5930	.4690
6	.033	.7260	.7080	.7080	.7220	.5747
7	.039	.8750	.8580	.8580	.8740	.6880
8	.044	1.0400	1.0240	1.0240	1.0410	.8091
9	.050	1.2200	1.2060	1.2060	1.2240	.9376
10	.056	1.4100	1.3980	1.3980	1.4170	1.0737
11	.061	1.6100	1.5990	1.5990	1.6190	1.2176
12	.067	1.8200	1.8120	1.8120	1.8330	1.3696
13	.072	2.0400	2.0550	2.0550	2.0770	1.5297
14	.078	2.2800	2.2960	2.2960	2.3190	1.6976
15	.083	2.5400	2.5580	2.5580	2.5820	1.8737
16	.089	2.8100	2.8290	2.8290	2.8540	2.0580
17	.094	3.1000	3.1200	3.1200	3.1460	2.2507
18	.100	3.4000	3.4210	3.4210	3.4480	2.4526
19	.106	3.7100	3.7320	3.7320	3.7600	2.6647
20	.111	4.0400	4.0630	4.0630	4.0920	2.8876
21	.117	4.3900	4.4150	4.4150	4.4450	3.1217
22	.122	4.7500	4.7760	4.7760	4.8070	3.3676
23	.128	5.1300	5.1570	5.1570	5.1890	3.6257
24	.133	5.5300	5.5580	5.5580	5.5910	3.8966
25	.139	5.9500	5.9790	5.9790	6.0130	4.1807
26	.144	6.3900	6.4200	6.4200	6.4550	4.4786
27	.150	6.8500	6.8810	6.8810	6.9170	4.7907
28	.156	7.3300	7.3620	7.3620	7.4000	5.1176
29	.161	7.8300	7.8630	7.8630	7.9020	5.4597
30	.167	8.3500	8.3840	8.3840	8.4240	5.8176
31	.172	8.8900	8.9250	8.9250	8.9660	6.1917
32	.178	9.4500	9.4860	9.4860	9.5280	6.5826
33	.183	1.0030	1.0390	1.0390	1.0820	6.9907
34	.189	1.0680	1.1040	1.1040	1.1480	7.4166
35	.194	1.1350	1.1710	1.1710	1.2160	7.8607
36	.200	1.2040	1.2400	1.2400	1.2860	8.3236
37	.206	1.2750	1.3110	1.3110	1.3580	8.8057
38	.211	1.3480	1.3840	1.3840	1.4320	9.3076
39	.217	1.4230	1.4590	1.4590	1.5080	9.8297
40	.222	1.5000	1.5360	1.5360	1.5860	1.0376
41	.228	1.5790	1.6150	1.6150	1.6660	1.1517
42	.233	1.6600	1.6960	1.6960	1.7480	1.2726
43	.239	1.7430	1.7790	1.7790	1.8320	1.4007
44	.244	1.8280	1.8640	1.8640	1.9180	1.5366
45	.250	1.9150	1.9510	1.9510	2.0060	1.6807
46	.256	2.0040	2.0400	2.0400	2.0960	1.8326
47	.261	2.0950	2.1310	2.1310	2.1880	1.9927
48	.267	2.1880	2.2240	2.2240	2.2820	2.1606
49	.272	2.2830	2.3190	2.3190	2.3780	2.3367
50	.278	2.3800	2.4160	2.4160	2.4760	2.5206
51	.283	2.4790	2.5150	2.5150	2.5760	2.7127
52	.289	2.5800	2.6160	2.6160	2.6780	2.9136
53	.294	2.6830	2.7190	2.7190	2.7820	3.1237
54	.300	2.7880	2.8240	2.8240	2.8880	3.3436
55	.306	2.8950	2.9310	2.9310	2.9960	3.5737
56	.311	2.9940	3.0300	3.0300	3.0960	3.8136
57	.317	3.0950	3.1310	3.1310	3.1980	4.0637
58	.322	3.1980	3.2340	3.2340	3.3020	4.3236
59	.328	3.3030	3.3390	3.3390	3.4080	4.5937
60	.333	3.4100	3.4460	3.4460	3.5160	4.8736

SMOOTHED BROADCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6
 AVERAGE 2.00E+00 4.00E+00 6.00E+00 8.00E+00 1.00E+01 1.20E+01 1.40E+01 1.60E+01 1.80E+01 2.00E+01
 M N P Q R S T U V W X Y Z

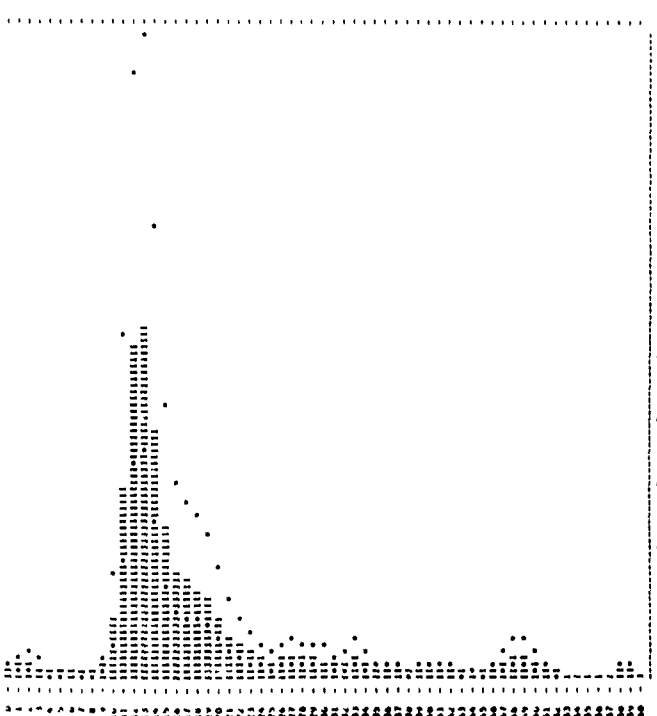


SMOOTHED BROADCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 AV. T = 9.0 RECORD = JUN 10
 HOUR = 9 SIG. HGT. = 33.8 UPPER HGT. = 37.4
 TOTAL DF = 127 CURR. Vm. = 71.2 LOWER HGT. = 30.5
 NOISE LEVEL = .0938 WIND SPEED = 0

M	PRE.	UNIT FT. 2	FILTERED - NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.2571	.2033	.2033	.2748	.1295
1	.006	.3800	.3262	.3262	.4013	.2077
2	.011	.4750	.4212	.4212	.5001	.3124
3	.017	.5840	.5302	.5302	.6120	.4242
4	.022	.7000	.6462	.6462	.7320	.5436
5	.028	.8250	.7712	.7712	.8620	.6706
6	.033	.9600	.9062	.9062	.9980	.8056
7	.039	1.1000	1.0522	1.0522	1.1880	.9486
8	.044	1.2500	1.2082	1.2082	1.3420	1.1007
9	.050	1.4100	1.3642	1.3642	1.5000	1.2626
10	.056	1.5800	1.5202	1.5202	1.6620	1.4347
11	.061	1.7600	1.6762	1.6762	1.8280	1.6176
12	.067	1.9500	1.8422	1.8422	2.0000	1.8117
13	.072	2.1500	2.0182	2.0182	2.1780	2.0176
14	.078	2.3600	2.2042	2.2042	2.3620	2.2357
15	.083	2.5800	2.3902	2.3902	2.5520	2.4656
16	.089	2.8100	2.5762	2.5762	2.7480	2.7076
17	.094	3.0500	2.7622	2.7622	2.9500	2.9617
18	.100	3.3000	2.9482	2.9482	3.1580	3.2276
19	.106	3.5600	3.1342	3.1342	3.3720	3.5057
20	.111	3.8300	3.3202	3.3202	3.5920	3.7966
21	.117	4.1100	3.5062	3.5062	3.8180	4.1007
22	.122	4.4000	3.6922	3.6922	4.0500	4.4186
23	.128	4.7000	3.8782	3.8782	4.2880	4.7507
24	.133	5.0100	4.0642	4.0642	4.5320	5.0966
25	.139	5.3300	4.2502	4.2502	4.7820	5.4567
26	.144	5.6600	4.4362	4.4362	5.0380	5.8306
27	.150	6.0000	4.6222	4.6222	5.3000	6.2187
28	.156	6.3500	4.8082	4.8082	5.5680	6.6216
29	.161	6.7100	4.9942	4.9942	5.8420	7.0407
30	.167	7.0800	5.1802	5.1802	6.1220	7.4766
31	.172	7.4600	5.3662	5.3662	6.4080	7.9297
32	.178	7.8500	5.5522	5.5522	6.7000	8.3996
33	.183	8.2500	5.7382	5.7382	7.0000	8.8866
34	.189	8.6600	5.9242	5.9242	7.3060	9.3907
35	.194	9.0800	6.1102	6.1102	7.6180	9.9126
36	.200	9.5100	6.2962	6.2962	7.9360	1.0467
37	.206	9.9500	6.4822	6.4822	8.2600	1.1936
38	.211	1.0400	6.6682	6.6682	8.5900	1.3537
39	.217	1.0900	6.8542	6.8542	8.9260	1.5266
40	.222	1.1400	7.0402	7.0402	9.2680	1.7127
41	.228	1.1900	7.2262	7.2262	9.6160	1.9126
42	.233	1.2400	7.4122	7.4122	9.9700	2.1267
43	.239	1.2900	7.5982	7.5982	1.0320	2.3546
44	.244	1.3400	7.7842	7.7842	1.0960	2.5967
45	.250	1.3900	7.9702	7.9702	1.1620	2.8526
46	.256	1.4400	8.1562	8.1562	1.2300	3.1237
47	.261	1.4900	8.3422	8.3422	1.2980	3.4096
48	.267	1.5400	8.5282	8.5282	1.3680	3.7107
49	.272	1.5900	8.7142	8.7142	1.4400	4.0276
50	.278	1.6400	8.9002	8.9002	1.5140	4.3607
51	.283	1.6900	9.0862	9.0862	1.5900	4.7106
52	.289	1.7400	9.2722	9.2722	1.6680	5.0776
53	.294	1.7900	9.4582	9.4582	1.7480	5.4617
54	.300	1.8400	9.6442	9.6442	1.8300	5.8636
55	.306	1.8900	9.8302	9.8302	1.9140	6.2837
56	.311	1.9400	1.0016	1.0016	1.9980	6.7216
57	.317	1.9900	1.0136	1.0136	2.0840	7.1776
58	.322	2.0400	1.0256	1.0256	2.1720	7.6517
59	.328	2.0900	1.0376	1.0376	2.2620	8.1436
60	.333	2.1400	1.0496	1.0496	2.3540	8.6546

SMOOTHED BROADCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9
 AVERAGE 2.00E+00 4.00E+00 6.00E+00 8.00E+00 1.00E+01 1.20E+01 1.40E+01 1.60E+01 1.80E+01 2.00E+01
 M N P Q R S T U V W X Y Z

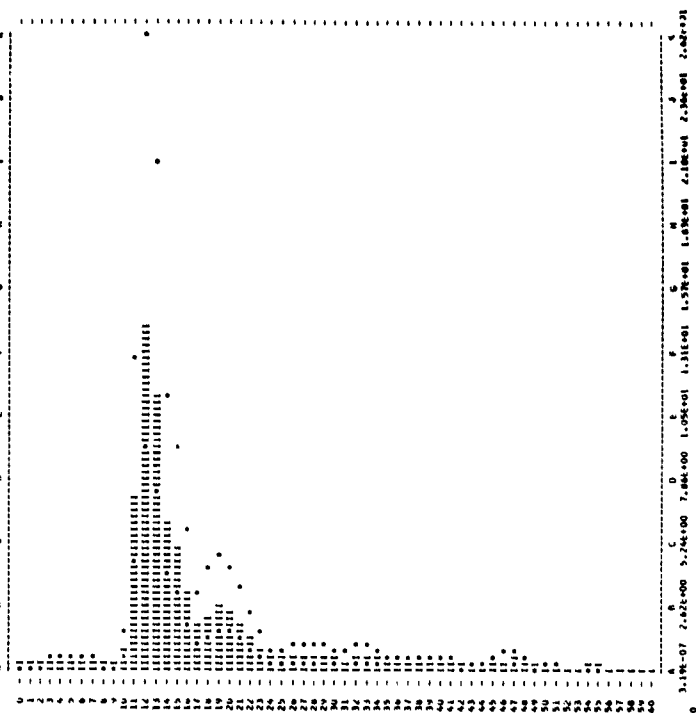


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 Av. V. = 9.4 RECORD = JMR11
 HCUR = 12 SIG.WGT. = 30.1 UPPER WGT. = 1.1
 TOTAL DF = 110 CORR. VAL. = 72.0 LOWER WGT. = 30.1
 NOISE LEVEL = .0360 WIND SPEED = 0

M	FREQ.	UNIT	PT. 2	FILTERED	-NOISE	CORR. PT. 2	UPPER	LOWER
0	.000			1.703		1.342	2.476	.0055
1	.000			1.700	1.339	1.340	2.469	.0055
2	.011			2.340	1.079	1.980	3.649	1.266
3	.017			3.490	1.127	3.120	5.769	1.993
4	.024			5.610	1.249	5.249	9.489	3.060
5	.033			8.950	1.569	8.589	14.773	4.649
6	.033			8.410	1.569	8.229	13.993	4.356
7	.039			12.940	1.879	12.230	21.110	6.420
8	.044			19.400	2.179	18.811	34.627	9.150
9	.050			28.110	2.469	27.609	51.266	13.266
10	.056			39.773	2.742	39.369	71.403	18.010
11	.061			54.773	3.001	54.369	96.420	24.420
12	.067			73.693	3.249	73.289	127.010	32.810
13	.072			97.093	3.489	96.689	173.820	44.220
14	.078			126.693	3.729	126.289	238.420	59.420
15	.083			163.693	3.959	163.289	323.420	78.420
16	.089			209.693	4.189	209.289	433.420	103.420
17	.094			276.693	4.409	276.289	573.420	136.420
18	.100			368.693	4.619	368.289	748.420	178.420
19	.106			499.693	4.819	499.289	963.420	230.420
20	.111			674.693	5.009	674.289	1223.420	296.420
21	.117			899.693	5.189	899.289	1633.420	380.420
22	.122			1180.693	5.359	1180.289	2198.420	486.420
23	.128			1530.693	5.519	1530.289	2933.420	618.420
24	.133			1960.693	5.669	1960.289	3853.420	778.420
25	.139			2480.693	5.809	2480.289	5083.420	968.420
26	.144			3110.693	5.939	3110.289	6643.420	1193.420
27	.150			3860.693	6.059	3860.289	8563.420	1468.420
28	.156			4740.693	6.169	4740.289	10883.420	1798.420
29	.161			5760.693	6.269	5760.289	13663.420	2178.420
30	.167			6940.693	6.359	6940.289	16963.420	2613.420
31	.172			8290.693	6.439	8290.289	20843.420	3118.420
32	.178			9820.693	6.509	9820.289	25363.420	3698.420
33	.183			11540.693	6.569	11540.289	30603.420	4358.420
34	.189			13460.693	6.619	13460.289	36643.420	5098.420
35	.194			15600.693	6.659	15600.289	43463.420	5923.420
36	.200			17970.693	6.689	17970.289	51143.420	6848.420
37	.206			20580.693	6.719	20580.289	59763.420	7978.420
38	.211			24440.693	6.739	24440.289	69423.420	9318.420
39	.217			29560.693	6.749	29560.289	80223.420	10878.420
40	.222			36040.693	6.759	36040.289	92343.420	12668.420
41	.228			43980.693	6.759	43980.289	105863.420	14708.420
42	.233			53480.693	6.759	53480.289	120883.420	17008.420
43	.239			64640.693	6.749	64640.289	137403.420	19568.420
44	.244			77560.693	6.739	77560.289	155423.420	22398.420
45	.250			92340.693	6.719	92340.289	175043.420	25508.420
46	.256			109080.693	6.689	109080.289	197263.420	28908.420
47	.261			128880.693	6.649	128880.289	222083.420	32598.420
48	.267			151740.693	6.599	151740.289	249503.420	36578.420
49	.272			177760.693	6.539	177760.289	279523.420	40858.420
50	.278			207040.693	6.469	207040.289	312143.420	45438.420
51	.283			240680.693	6.389	240680.289	347363.420	50318.420
52	.289			288880.693	6.299	288880.289	395183.420	55508.420
53	.294			351640.693	6.199	351640.289	446603.420	61008.420
54	.300			429060.693	6.089	429060.289	501623.420	66828.420
55	.306			521240.693	5.969	521240.289	560243.420	72968.420
56	.311			629280.693	5.839	629280.289	622463.420	79428.420
57	.317			754080.693	5.699	754080.289	688283.420	86208.420
58	.322			896640.693	5.549	896640.289	757703.420	93308.420
59	.328			1067060.693	5.389	1067060.289	830823.420	100728.420
60	.333			1265280.693	5.219	1265280.289	907643.420	108468.420

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMR12
 DATE = 23/12/59 Av. V. = 7.9 RECORD = JMR12
 HCUR = 21 SIG.WGT. = 27.4 UPPER WGT. = 30.0
 TOTAL DF = 178 CORR. VAL. = 47.4 LOWER WGT. = 25.5
 NOISE LEVEL = .0301 WIND SPEED = 0

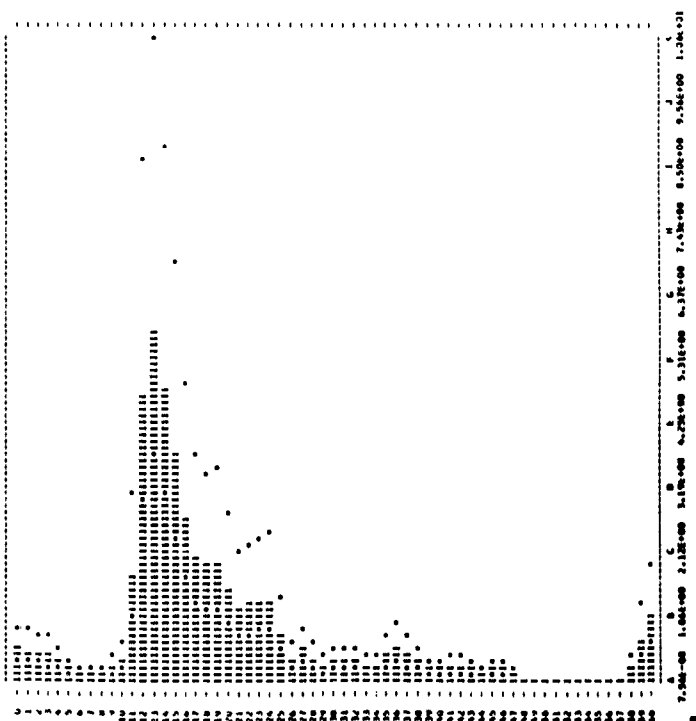


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/12/59 Av. V. = 7.9 RECORD = JMR12
 HCUR = 21 SIG.WGT. = 27.4 UPPER WGT. = 30.0
 TOTAL DF = 178 CORR. VAL. = 47.4 LOWER WGT. = 25.5
 NOISE LEVEL = .0301 WIND SPEED = 0

M	FREQ.	UNIT	PT. 2	FILTERED	-NOISE	CORR. PT. 2	UPPER	LOWER
0	.000			5.197	5.197	4.886	9.005	3.111
1	.004			4.870	4.870	4.562	8.621	2.902
2	.011			4.500	4.500	4.199	7.739	2.674
3	.017			4.430	4.430	4.129	7.610	2.629
4	.024			3.860	3.860	3.725	6.836	2.364
5	.026			3.170	3.170	3.049	5.307	1.963
6	.033			3.170	3.170	3.049	5.307	1.963
7	.039			3.110	3.110	2.989	5.174	1.918
8	.044			3.140	3.140	2.989	5.174	1.918
9	.050			2.720	2.720	2.619	4.371	1.585
10	.056			3.342	3.342	3.241	5.132	1.826
11	.061			3.607	3.607	3.506	5.617	2.017
12	.067			4.604	4.604	4.503	6.867	2.487
13	.072			5.604	5.604	5.503	8.117	2.957
14	.078			6.307	6.307	6.206	8.763	3.210
15	.083			3.480	3.480	3.379	6.469	2.380
16	.089			2.498	2.498	2.397	4.623	1.694
17	.094			1.892	1.892	1.791	3.674	1.270
18	.100			1.670	1.670	1.569	3.429	1.189
19	.106			1.630	1.630	1.529	3.476	1.248
20	.111			1.740	1.740	1.639	3.718	1.362
21	.117			1.910	1.910	1.809	4.176	1.515
22	.122			1.940	1.940	1.839	4.235	1.554
23	.128			1.736	1.736	1.635	3.803	1.354
24	.133			1.150	1.150	1.119	2.426	1.039
25	.139			1.110	1.110	1.079	2.375	1.018
26	.144			1.240	1.240	1.209	2.623	1.157
27	.150			1.300	1.300	1.269	2.771	1.226
28	.156			1.240	1.240	1.209	2.623	1.157
29	.161			1.410	1.410	1.379	2.918	1.306
30	.167			1.550	1.550	1.519	3.166	1.455
31	.172			1.680	1.680	1.649	3.414	1.604
32	.178			1.810	1.810	1.779	3.662	1.753
33	.183			1.850	1.850	1.819	3.711	1.802
34	.189			1.190	1.190	1.159	2.202	1.093
35	.194			1.300	1.300	1.269	2.450	1.242
36	.200			1.730	1.730	1.689	3.198	1.590
37	.206			1.380	1.380	1.339	2.546	1.138
38	.211			1.071	1.071	1.030	1.934	0.886
39	.217			1.071	1.071	1.030	1.934	0.886
40	.222			0.970	0.970	0.929	1.782	0.825
41	.228			0.870	0.870	0.829	1.630	0.764
42	.233			0.870	0.870	0.829	1.630	0.764
43	.239			0.870	0.870	0.829	1.630	0.764
44	.244			0.870	0.870	0.829	1.630	0.764
45	.250			0.901	0.901	0.860	1.688	0.795
46	.256			0.901	0.901	0.860	1.688	0.795
47	.261			0.901	0.901	0.860	1.688	0.795
48	.267			0.901	0.901	0.860	1.688	0.795
49	.272			0.901	0.901	0.860	1.688	0.795
50	.278			0.901	0.901	0.860	1.688	0.795
51	.283			0.901	0.901	0.860	1.688	0.795
52	.289			0.901	0.901	0.860	1.688	0.795
53	.294			0.901	0.901	0.860	1.688	0.795
54	.300			0.901	0.901	0.860	1.688	0.795
55	.306			0.901	0.901	0.860	1.688	0.795
56	.311			0.901	0.901	0.860	1.688	0.795
57	.317			0.901	0.901	0.860	1.688	0.795
58	.322			0.901	0.901	0.860	1.688	0.795
59	.328			0.901	0.901	0.860	1.688	0.795
60	.333			0.901	0.901	0.860	1.688	0.795

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMR12
 DATE = 23/12/59 Av. V. = 7.9 RECORD = JMR12
 HCUR = 21 SIG.WGT. = 27.4 UPPER WGT. = 30.0
 TOTAL DF = 178 CORR. VAL. = 47.4 LOWER WGT. = 25.5
 NOISE LEVEL = .0301 WIND SPEED = 0



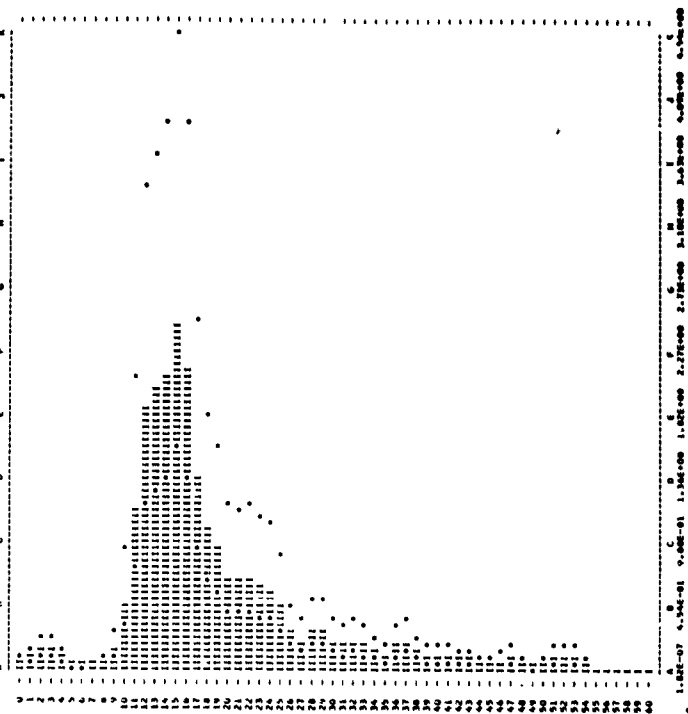
SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T = 8.4 RECORD = JMR13
 HOUR = 3 SIG.MGT. = 19.3 UPPER MGT. = 21.0
 TOTAL SP = 170 CORR. VAR. = 22.3 LOWER MGT. = 17.7
 NOISE LEVEL = 0.153 WIND SPEED = 0

N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.7	UPPER	LOWER
0	.000	.0020	.0620	.0670	.0670	.0302
1	.006	.0222	.0770	.0770	.1636	.0406
2	.011	.0420	.1010	.1017	.2517	.0900
3	.017	.0620	.1410	.1437	.4237	.0900
4	.022	.0870	.1870	.1923	.7332	.0900
5	.028	.1120	.2320	.2397	1.0837	.0192
6	.033	.1341	.2841	.2930	1.4870	.0545
7	.039	.1570	.3420	.3527	1.9527	.0274
8	.044	.1810	.4060	.4170	2.4807	.0272
9	.050	.2060	.4760	.4887	3.0727	.0545
10	.056	.2320	.5520	.5667	3.7287	.0545
11	.061	.2590	.6340	.6507	4.4487	.0272
12	.067	.2870	.7220	.7407	5.2327	.0272
13	.072	.3160	.8160	.8367	6.0807	.0272
14	.078	.3460	.9160	.9387	7.0027	.0272
15	.083	.3780	.1.0220	.1.0467	8.0007	.0272
16	.089	.4110	.1.1340	.1.1607	9.0747	.0272
17	.094	.4460	.1.2520	.1.2807	1.0324	.0272
18	.100	.4820	.1.3760	.1.4067	1.1144	.0272
19	.106	.5190	.1.5060	.1.5387	1.2204	.0272
20	.111	.5580	.1.6420	.1.6767	1.3504	.0272
21	.117	.5980	.1.7840	.1.8207	1.5044	.0272
22	.122	.6400	.1.9320	.1.9687	1.6824	.0272
23	.128	.6840	.2.0860	.2.1247	1.8844	.0272
24	.133	.7300	.2.2460	.2.2867	2.1104	.0272
25	.139	.7780	.2.4120	.2.4547	2.3604	.0272
26	.144	.8280	.2.5840	.2.6287	2.6344	.0272
27	.150	.8800	.2.7620	.2.8047	2.9324	.0272
28	.156	.9340	.2.9460	.2.9907	3.2544	.0272
29	.161	.9900	.3.1360	.3.1827	3.6004	.0272
30	.167	.1.0480	.3.3320	.3.3807	3.9704	.0272
31	.172	.1.1080	.3.5340	.3.5847	4.3644	.0272
32	.178	.1.1700	.3.7420	.3.7947	4.7824	.0272
33	.183	.1.2340	.3.9560	.4.0107	5.2244	.0272
34	.189	.1.3000	.4.1760	.4.2387	5.6904	.0272
35	.194	.1.3680	.4.4020	.4.4667	6.1804	.0272
36	.200	.1.4380	.4.6340	.4.7007	6.6944	.0272
37	.206	.1.5100	.4.8720	.4.9467	7.2324	.0272
38	.211	.1.5840	.5.1160	.5.1947	7.7944	.0272
39	.217	.1.6600	.5.3660	.5.4467	8.3804	.0272
40	.222	.1.7380	.5.6220	.5.7067	8.9904	.0272
41	.228	.1.8180	.5.8840	.5.9687	9.6244	.0272
42	.233	.1.9000	.6.1520	.6.2427	1.0284	.0272
43	.239	.1.9840	.6.4260	.6.5207	1.1524	.0272
44	.244	.2.0700	.6.7060	.6.8067	1.2864	.0272
45	.250	.2.1580	.6.9920	.7.0907	1.4404	.0272
46	.256	.2.2480	.7.2840	.7.2827	1.6044	.0272
47	.261	.2.3400	.7.5820	.7.5787	1.7784	.0272
48	.267	.2.4340	.7.8860	.7.8827	1.9624	.0272
49	.272	.2.5300	.8.1960	.8.1787	2.1564	.0272
50	.278	.2.6280	.8.5120	.8.4667	2.3604	.0272
51	.283	.2.7280	.8.8340	.8.7607	2.5744	.0272
52	.289	.2.8300	.9.1620	.9.0607	2.7984	.0272
53	.294	.2.9340	.9.4960	.9.3667	3.0324	.0272
54	.300	.3.0400	.9.8360	.9.6787	3.2764	.0272
55	.306	.3.1480	.1.0180	.1.0167	3.5304	.0272
56	.311	.3.2580	.1.1020	.1.1007	3.7944	.0272
57	.317	.3.3700	.1.1880	.1.1867	4.0684	.0272
58	.322	.3.4840	.1.2760	.1.2747	4.3524	.0272
59	.328	.3.6000	.1.3660	.1.3647	4.6464	.0272
60	.333	.3.7180	.1.4580	.1.4567	4.9504	.0272

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T = 8.4 RECORD = JMR13
 HOUR = 3 SIG.MGT. = 19.3 UPPER MGT. = 21.0
 TOTAL SP = 170 CORR. VAR. = 22.3 LOWER MGT. = 17.7
 NOISE LEVEL = 0.153 WIND SPEED = 0



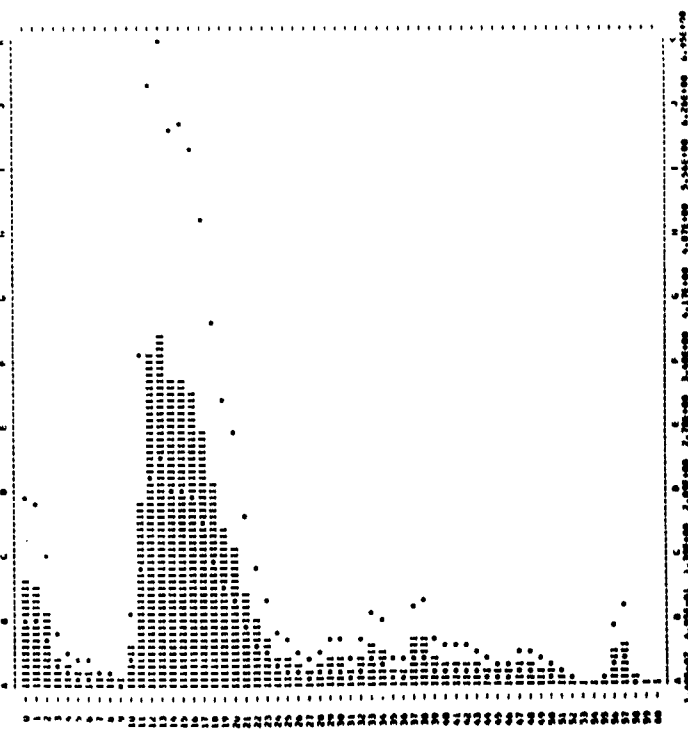
SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T = 8.4 RECORD = JMR14
 HOUR = 6 SIG.MGT. = 25.5 UPPER MGT. = 27.7
 TOTAL SP = 192 CORR. VAR. = 1.0624 MGT. = 27.4
 NOISE LEVEL = 0.263 WIND SPEED = 0

N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.1078	1.1078	1.0815	1.0913	.0086
1	.006	1.1000	1.1000	1.0737	1.0737	.0424
2	.011	.7740	.7740	.7477	.7477	.4761
3	.017	.3290	.3290	.3027	.3027	.5578
4	.022	.7080	.7080	.6817	.6817	.3168
5	.028	1.1740	1.1740	1.1477	1.1477	.2750
6	.033	1.2220	1.2220	1.1957	1.1957	.0953
7	.039	.0824	.0824	.0563	.0563	.2778
8	.044	.0941	.0941	.0678	.0678	.0476
9	.050	.0644	.0644	.0401	.0401	.0283
10	.056	.4341	.4341	.4078	.4078	.7909
11	.061	1.8930	1.8930	1.8667	1.8667	2.2331
12	.067	3.4571	3.4571	3.4308	3.4308	2.2426
13	.072	3.7020	3.7020	3.6757	3.6757	2.4011
14	.078	3.1406	3.1406	3.1143	3.1143	2.0656
15	.083	3.1450	3.1450	3.1187	3.1187	2.0878
16	.089	2.4717	2.4717	2.4454	2.4454	1.9961
17	.094	2.4748	2.4748	2.4485	2.4485	1.7502
18	.100	1.8426	1.8426	1.8163	1.8163	1.3528
19	.106	1.4372	1.4372	1.4109	1.4109	1.0605
20	.111	1.2200	1.2200	1.1937	1.1937	.9333
21	.117	.7629	.7629	.7367	.7367	.6167
22	.122	.5250	.5250	.4987	.4987	.4262
23	.128	.3070	.3070	.2807	.2807	.2350
24	.133	.2310	.2310	.2047	.2047	.1930
25	.139	.1930	.1930	.1667	.1667	.1864
26	.144	.1430	.1430	.1167	.1167	.1250
27	.150	.1070	.1070	.0807	.0807	.0911
28	.156	.1190	.1190	.0927	.0927	.1116
29	.161	.1520	.1520	.1257	.1257	.1619
30	.167	.1430	.1430	.1167	.1167	.1812
31	.172	.0935	.0935	.0672	.0672	.0907
32	.178	.1245	.1245	.0987	.0987	.1181
33	.183	.1800	.1800	.1577	.1577	.2729
34	.189	.1500	.1500	.1237	.1237	.2321
35	.194	.0700	.0700	.0437	.0437	.0500
36	.200	.0712	.0712	.0449	.0449	.0997
37	.206	.1300	.1300	.1037	.1037	.2099
38	.211	.1610	.1610	.1267	.1267	.2005
39	.217	.0810	.0810	.0555	.0555	.1010
40	.222	.0721	.0721	.0480	.0480	.1542
41	.228	.0709	.0709	.0462	.0462	.1645
42	.233	.0600	.0600	.0383	.0383	.1362
43	.239	.0536	.0536	.0326	.0326	.1190
44	.244	.0485	.0485	.0271	.0271	.1124
45	.250	.0392	.0392	.0213	.0213	.1260
46	.256	.0365	.0365	.0199	.0199	.1036
47	.261	.0448	.0448	.0230	.0230	.1124
48	.267	.0448	.0448	.0230	.0230	.1260
49	.272	.0365	.0365	.0199	.0199	.1036
50	.278	.0326	.0326	.0176	.0176	.0971
51	.283	.0302	.0302	.0159	.0159	.0871
52	.289	.0273	.0273	.0142	.0142	.0832
53	.294	.0245	.0245	.0125	.0125	.0793
54	.300	.0207	.0207	.0098	.0098	.0754
55	.306	.0220	.0220	.0106	.0106	.0715
56	.311	.0404	.0404	.0195	.0195	.0676
57	.317	.0419	.0419	.0207	.0207	.0637
58	.322	.0267	.0267	.0122	.0122	.0598
59	.328	.0137	.0137	.0050	.0050	.0559
60	.333	.0101	.0101	.0000	.0000	.0520

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

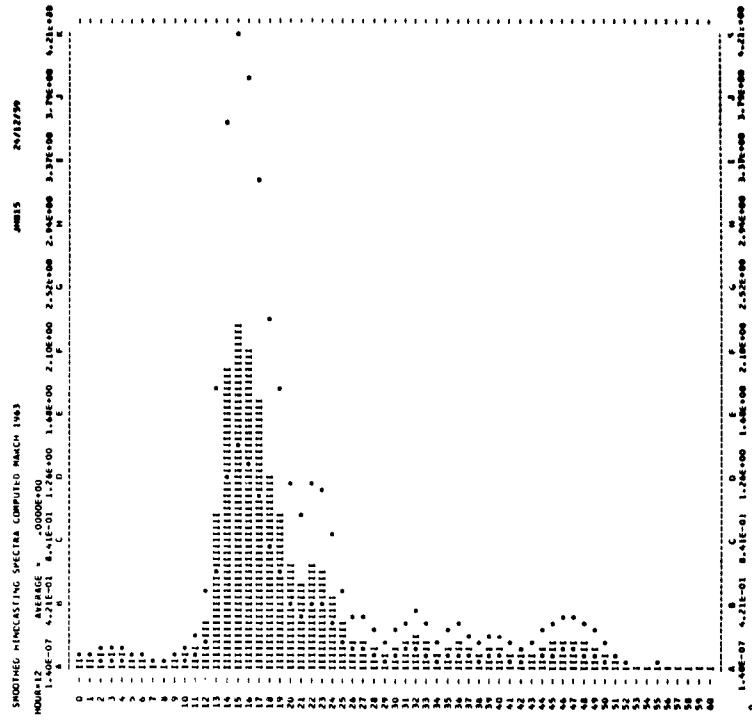
DATE = 24/12/59 AV. T = 8.4 RECORD = JMR14
 HOUR = 6 SIG.MGT. = 25.5 UPPER MGT. = 27.7
 TOTAL SP = 192 CORR. VAR. = 1.0624 MGT. = 27.4
 NOISE LEVEL = 0.263 WIND SPEED = 0



SMOOTHED HINDCASTING SPECTRA COM. UTED MARCH 1963

DATE = 24/12/59 AV. T = 8.0 RECORD = JMB15
 HOUR = 12 SIG. HGT. = 17.6 UPPER HGT. = 19.1
 TOTAL OF 159 CORR. VAL. = 18.0 LOWER HGT. = 15.4
 NOISE LEVEL = .0106 WIND SPEED = 0

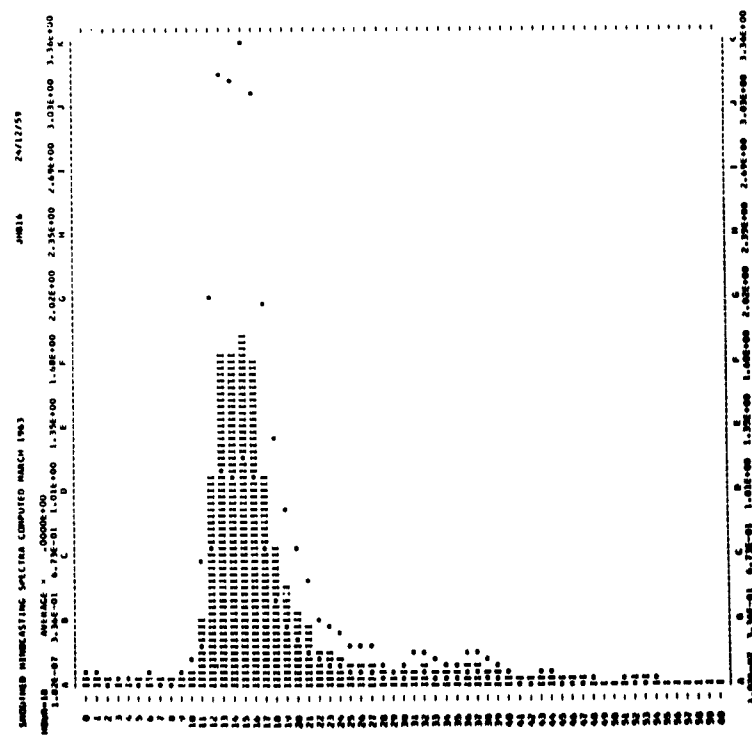
M	FREQ.	UNIT	F1.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0441	.0541	.0458	.0455	.0801	.0277	
1	.004	.0442	.0442	.0386	.0386	.0524	.0256	
2	.011	.0445	.0445	.0739	.0739	.1361	.0470	
3	.017	.0492	.0492	.0796	.0796	.1488	.0507	
4	.022	.0758	.0758	.0682	.0682	.1201	.0419	
5	.028	.0571	.0571	.0643	.0643	.0856	.0296	
6	.033	.0408	.0408	.0299	.0470	.0667	.0300	
7	.039	.0245	.0245	.0139	.0186	.0338	.0119	
8	.044	.0239	.0239	.0133	.0158	.0291	.0101	
9	.050	.0448	.0448	.0363	.0380	.0701	.0262	
10	.056	.0796	.0796	.0688	.0711	.1367	.0469	
11	.061	.1280	.1280	.1174	.1218	.2244	.0775	
12	.067	.2840	.2840	.2736	.2804	.5168	.1785	
13	.072	.9828	.9828	.9719	.9971	1.8376	.6349	
14	.078	1.9157	1.9157	1.9031	1.9717	3.6342	1.2555	
15	.083	2.1813	2.1813	2.1707	2.2822	4.2065	1.4532	
16	.089	1.5986	1.5986	1.5880	2.1138	3.8980	1.3459	
17	.094	1.6092	1.6092	1.5986	1.7638	3.2310	1.1231	
18	.100	1.1200	1.1200	1.1094	1.2629	2.3277	.8061	
19	.106	.8330	.8330	.8224	.9864	1.8328	.6322	
20	.111	.5980	.5980	.5874	.6722	1.2389	.4280	
21	.117	.4370	.4370	.4264	.5465	1.0072	.3480	
22	.122	.4990	.4990	.4884	.6556	1.2083	.4176	
23	.128	.4440	.4440	.4334	.6395	1.1786	.4072	
24	.133	.3340	.3340	.3234	.4808	.8863	.3062	
25	.139	.1860	.1860	.1754	.2759	.5084	.1758	
26	.144	.1230	.1230	.1124	.1875	.3455	.1194	
27	.150	.1130	.1130	.1024	.1815	.3366	.1136	
28	.156	.0796	.0796	.0690	.1305	.2404	.0831	
29	.161	.0589	.0589	.0483	.0976	.1799	.0622	
30	.167	.0694	.0694	.0588	.1275	.2351	.0812	
31	.172	.0820	.0820	.0714	.1484	.3087	.1024	
32	.178	.0889	.0889	.0783	.1970	.3630	.1254	
33	.183	.0673	.0673	.0567	.1540	.2838	.0981	
34	.189	.0414	.0414	.0308	.0907	.1671	.0574	
35	.194	.0490	.0490	.0384	.1257	.2317	.0800	
36	.200	.0537	.0537	.0431	.1503	.2770	.0957	
37	.206	.0188	.0188	.0082	.1072	.1917	.0333	
38	.211	.0307	.0307	.0201	.0837	.1542	.0533	
39	.217	.0347	.0347	.0241	.1102	.2032	.0702	
40	.222	.0145	.0145	.0039	.1147	.2114	.0376	
41	.228	.0259	.0259	.0153	.0407	.1672	.0577	
42	.233	.0195	.0195	.0089	.0732	.1350	.0466	
43	.239	.0153	.0153	.0047	.0995	.1833	.0633	
44	.244	.0308	.0308	.0202	.1383	.2549	.0881	
45	.250	.0286	.0286	.0180	.1577	.2766	.1004	
46	.256	.0292	.0292	.0186	.1722	.3174	.1124	
47	.261	.0285	.0285	.0182	.1778	.3277	.1132	
48	.267	.0236	.0236	.0130	.1613	.2974	.1027	
49	.272	.0208	.0208	.0101	.1395	.2497	.0863	
50	.278	.0171	.0171	.0065	.0982	.1809	.0625	
51	.283	.0132	.0132	.0029	.0530	.0977	.0338	
52	.289	.0119	.0119	.0026	.0122	.2424	.0000	
53	.294	.0089	.0089	.0000	.0000	.0000	.0000	
54	.300	.0103	.0103	.0000	.0000	.0000	.0000	
55	.306	.0121	.0121	.0000	.0000	.0000	.0000	
56	.311	.0104	.0104	.0001	.0014	.0035	.0012	
57	.317	.0097	.0097	.0000	.0000	.0000	.0000	
58	.322	.0105	.0105	.0000	.0000	.0000	.0000	
59	.328	.0097	.0097	.0000	.0000	.0000	.0000	
60	.333	.0097	.0097	.0000	.0000	.0000	.0000	



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/12/59 AV. T = 9.0 RECORD = JMB16
 HOUR = 18 SIG. HGT. = 14.8 UPPER HGT. = 16.4
 TOTAL OF 117 CORR. VAL. = 13.6 LOWER HGT. = 13.3
 NOISE LEVEL = .0032 WIND SPEED = 0

M	FREQ.	UNIT	F1.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0428	.0428	.0396	.0386	.0729	.0252	
1	.004	.0363	.0363	.0331	.0331	.0609	.0210	
2	.011	.0241	.0241	.0209	.0209	.0384	.0133	
3	.017	.0175	.0175	.0143	.0143	.0263	.0091	
4	.022	.0198	.0198	.0166	.0166	.0305	.0109	
5	.028	.0223	.0223	.0191	.0191	.0351	.0121	
6	.033	.0217	.0217	.0180	.0283	.0521	.0180	
7	.039	.0230	.0230	.0198	.0282	.0483	.0167	
8	.044	.0244	.0244	.0212	.0252	.0464	.0160	
9	.050	.0290	.0290	.0258	.0286	.0527	.0182	
10	.056	.0200	.0200	.0168	.0220	.0312	.0110	
11	.061	.3318	.3318	.3206	.3409	.6283	.2171	
12	.067	1.0884	1.0884	1.0622	1.0925	2.0137	.6957	
13	.072	1.4915	1.4915	1.4683	1.7122	3.1924	1.0249	
14	.078	1.4579	1.4579	1.4347	1.7126	3.1565	1.0009	
15	.083	1.7390	1.7390	1.7398	1.8250	3.3637	1.1820	
16	.089	1.3900	1.3900	1.3668	1.6872	3.1098	.9743	
17	.094	.9860	.9860	.9628	1.0844	1.9987	.6905	
18	.100	.6150	.6150	.6118	.6868	1.2836	.4436	
19	.106	.4210	.4210	.4178	.4932	.8000	.3160	
20	.111	.3140	.3140	.3108	.3816	.7034	.2430	
21	.117	.2280	.2280	.2248	.2881	.5310	.1836	
22	.122	.1410	.1410	.1378	.1849	.3408	.1177	
23	.128	.1190	.1190	.1158	.1633	.3009	.1040	
24	.133	.0999	.0999	.0967	.1437	.2649	.0915	
25	.139	.0761	.0761	.0729	.1115	.2054	.0710	
26	.144	.0704	.0704	.0672	.1120	.2065	.0713	
27	.150	.0627	.0627	.0590	.1044	.1727	.0604	
28	.156	.0312	.0312	.0280	.0329	.0875	.0317	
29	.161	.0236	.0236	.0204	.0412	.0759	.0262	
30	.167	.0307	.0307	.0275	.0386	.1098	.0379	
31	.172	.0389	.0389	.0357	.0481	.1491	.0584	
32	.178	.0397	.0397	.0365	.0418	.1691	.0584	
33	.183	.0314	.0314	.0283	.0368	.1416	.0489	
34	.189	.0228	.0228	.0196	.0267	.1063	.0367	
35	.194	.0222	.0222	.0190	.0607	.1119	.0386	
36	.200	.0277	.0277	.0245	.0854	.1373	.0543	
37	.206	.0260	.0260	.0228	.0867	.1398	.0552	
38	.211	.0219	.0219	.0187	.0778	.1435	.0496	
39	.217	.0171	.0171	.0139	.0635	.1170	.0404	
40	.222	.0090	.0090	.0058	.0343	.0632	.0218	
41	.228	.0051	.0051	.0031	.0170	.0313	.0108	
42	.233	.0060	.0060	.0031	.0190	.0349	.0121	
43	.239	.0082	.0082	.0054	.0204	.0377	.0138	
44	.244	.0080	.0080	.0052	.0221	.0392	.0144	
45	.250	.0057	.0057	.0028	.0235	.0433	.0150	
46	.256	.0047	.0047	.0016	.0173	.0318	.0110	
47	.261	.0042	.0042	.0013	.0173	.0318	.0110	
48	.267	.0044	.0044	.0010	.0170	.0321	.0107	
49	.272	.0030	.0030	.0001	.0014	.0026	.0006	
50	.278	.0033	.0033	.0000	.0018	.0018	.0000	
51	.283	.0042	.0042	.0000	.0138	.0254	.0088	
52	.289	.0040	.0040	.0013	.0238	.0475	.0164	
53	.294	.0045	.0045	.0012	.0240	.0480	.0166	
54	.300	.0039	.0039	.0005	.0134	.0246	.0085	
55	.306	.0043	.0043	.0000	.0000	.0000	.0000	
56	.311	.0043	.0043	.0000	.0000	.0000	.0000	
57	.317	.0043	.0043	.0000	.0000	.0000	.0000	
58	.322	.0043	.0043	.0000	.0000	.0000	.0000	
59	.328	.0043	.0043	.0000	.0000	.0000	.0000	
60	.333	.0043	.0043	.0000	.0000	.0000	.0000	

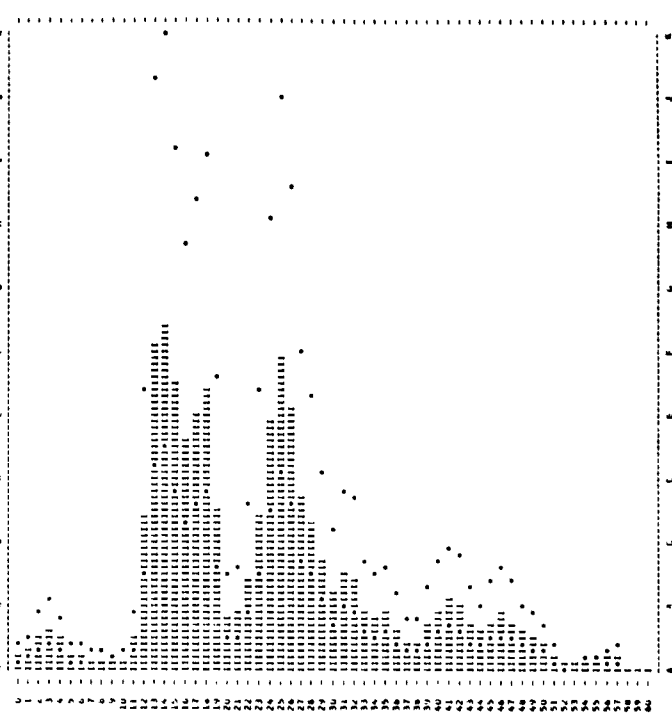


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59
 HOUR = 0
 TOTAL OP = 263
 SIG. HGT. = 14.5
 CUMUL. VBL. = 13.1
 NOISE LEVEL = 0.0015
 AV. F = 7.5
 UPPER MGT. = 15.5
 LOWER MGT. = 13.5
 WIND SPEED = 0

H	FREQ. UNIT=PI.2	FILTRERO	NOISE	CORR.PI.2	UPPER	LOWER
0	.0000	.0388	.0388	.0335	.0617	.0213
1	.0006	.0519	.0519	.0466	.0688	.0266
2	.0111	.0872	.0872	.0819	.1100	.0521
3	.0117	.1090	.1090	.1037	.1317	.0660
4	.0222	.0809	.0809	.0756	.0736	.0681
5	.0228	.0631	.0631	.0578	.0558	.0509
6	.0333	.0303	.0303	.0250	.0303	.0230
7	.0339	.0234	.0234	.0181	.0240	.0162
8	.0444	.0265	.0265	.0212	.0228	.0202
9	.0549	.0215	.0215	.0162	.0179	.0154
10	.0556	.0288	.0288	.0235	.0269	.0240
11	.0661	.0214	.0214	.0161	.0178	.0153
12	.0667	.3940	.3940	.3887	.3984	.3938
13	.0772	.8300	.8300	.8247	.8641	.8595
14	.0778	.8030	.8030	.7977	.8068	.8022
15	.0883	.7140	.7140	.7087	.7481	.7435
16	.0889	.5740	.5740	.5687	.6081	.6035
17	.0896	.6140	.6140	.6087	.6481	.6435
18	.1000	.6530	.6530	.6477	.7373	.7327
19	.1006	.3620	.3620	.3567	.4210	.4164
20	.1111	.1180	.1180	.1127	.1183	.1137
21	.1117	.1180	.1180	.1127	.1444	.1398
22	.1222	.1820	.1820	.1767	.2371	.2325
23	.1228	.1820	.1820	.1767	.2371	.2325
24	.1333	.4390	.4390	.4337	.4649	.4603
25	.1339	.2470	.2470	.2417	.2820	.2774
26	.1444	.4170	.4170	.4117	.4489	.4443
27	.1549	.2590	.2590	.2537	.4479	.4433
28	.1556	.2100	.2100	.2047	.3872	.3826
29	.1661	.1840	.1840	.1787	.2802	.2756
30	.1667	.0956	.0956	.0903	.1859	.1813
31	.1772	.1130	.1130	.1077	.2511	.2465
32	.1778	.1010	.1010	.0957	.2408	.2362
33	.1883	.0621	.0621	.0568	.1563	.1517
34	.1889	.0518	.0518	.0465	.1384	.1338
35	.1994	.0312	.0312	.0259	.1048	.1002
36	.2000	.0353	.0353	.0300	.1046	.1000
37	.2006	.0294	.0294	.0241	.0730	.0684
38	.2111	.0228	.0228	.0175	.0728	.0682
39	.2117	.0303	.0303	.0250	.1144	.1098
40	.2222	.0374	.0374	.0321	.1562	.1516
41	.2228	.0184	.0184	.0131	.1182	.1136
42	.2333	.0334	.0334	.0281	.1618	.1572
43	.2339	.0206	.0206	.0153	.1185	.1139
44	.2444	.0170	.0170	.0117	.0931	.0885
45	.2549	.0215	.0215	.0162	.1237	.1191
46	.2556	.0223	.0223	.0170	.1444	.1398
47	.2661	.0145	.0145	.0092	.1241	.1195
48	.2667	.0130	.0130	.0077	.0931	.0885
49	.2772	.0109	.0109	.0054	.0797	.0751
50	.2778	.0104	.0104	.0049	.0877	.0831
51	.2883	.0076	.0076	.0022	.0381	.0335
52	.2889	.0047	.0047	.0005	.0094	.0048
53	.2994	.0092	.0092	.0002	.0136	.0090
54	.3000	.0065	.0065	.0008	.0137	.0091
55	.3006	.0052	.0052	.0005	.0139	.0089
56	.3111	.0068	.0068	.0002	.0107	.0061
57	.3117	.0017	.0017	.0001	.0371	.0325
58	.3222	.0047	.0047	.0000	.0000	.0000
59	.3228	.0024	.0024	.0000	.0000	.0000
60	.3333	.0018	.0018	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR: 0
 AVERAGE = 0.0000000
 2.74E-07 1.47E-01 3.32E-01 6.02E-01 8.70E-01 1.00E-00 1.17E-00 1.34E-00 1.51E-00 1.67E-00

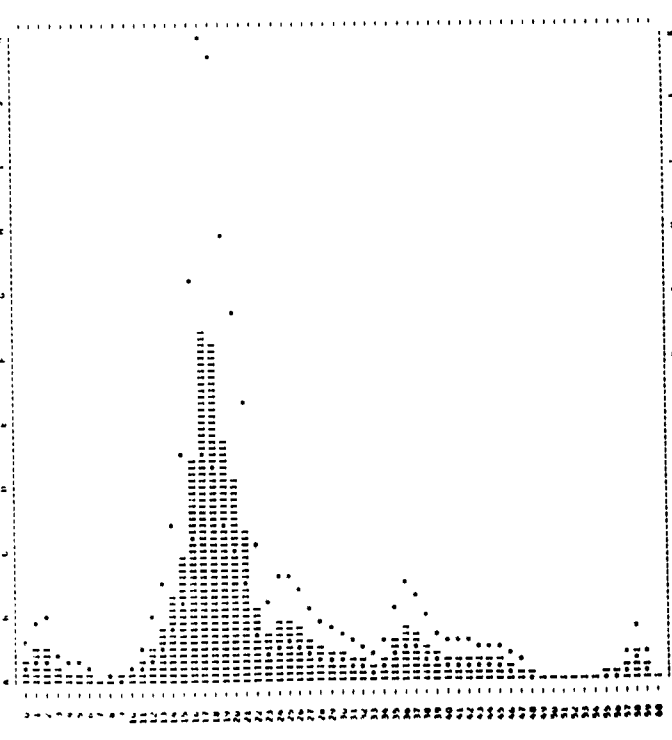


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59
 HOUR = 6
 TOTAL OP = 171
 SIG. HGT. = 14.5
 CUMUL. VBL. = 13.3
 NOISE LEVEL = 0.0015
 AV. F = 7.5
 UPPER MGT. = 15.5
 LOWER MGT. = 13.5
 WIND SPEED = 0

H	FREQ. UNIT=PI.2	FILTRERO	NOISE	CORR.PI.2	UPPER	LOWER
0	.0000	.1032	.1032	.0951	.1753	.0805
1	.0006	.1600	.1600	.1517	.1919	.0967
2	.0111	.1890	.1890	.1807	.2465	.1044
3	.0117	.0799	.0799	.0718	.0718	.0657
4	.0222	.0691	.0691	.0610	.0755	.0701
5	.0228	.0508	.0508	.0427	.0425	.0371
6	.0333	.0278	.0278	.0198	.0312	.0198
7	.0339	.0131	.0131	.0050	.0086	.0122
8	.0444	.0184	.0184	.0083	.0094	.0102
9	.0549	.0219	.0219	.0138	.0193	.0207
10	.0556	.0358	.0358	.0277	.0294	.0302
11	.0661	.0900	.0900	.0825	.0954	.0962
12	.0667	.1630	.1630	.1561	.1589	.1612
13	.0772	.2546	.2546	.2459	.2523	.2600
14	.0778	.3946	.3946	.3859	.3994	.3961
15	.0883	.5480	.5480	.5393	.5674	.5662
16	.0889	.7607	.7607	.7416	.10225	.10865
17	.0896	1.4935	1.4935	1.4854	1.4930	1.5020
18	.1000	1.4000	1.4000	1.3919	1.3845	1.4009
19	.1006	.9670	.9670	.9589	1.1320	1.0864
20	.1111	.7646	.7646	.7565	.7767	.7309
21	.1117	.5980	.5980	.5899	.7048	.6590
22	.1222	.2670	.2670	.2589	.3508	.3282
23	.1228	.1500	.1500	.1419	.2001	.1884
24	.1333	.1830	.1830	.1749	.2601	.2484
25	.1339	.1790	.1790	.1709	.2584	.2467
26	.1444	.1450	.1450	.1369	.2264	.2147
27	.1549	.1110	.1110	.1029	.1625	.1508
28	.1556	.0818	.0818	.0737	.1134	.1017
29	.1661	.0750	.0750	.0669	.1151	.1034
30	.1667	.0645	.0645	.0564	.1224	.1107
31	.1772	.0530	.0530	.0449	.1067	.0950
32	.1778	.0413	.0413	.0332	.0835	.0718
33	.1883	.0310	.0310	.0229	.0672	.0555
34	.1889	.0405	.0405	.0324	.0735	.0618
35	.1994	.0485	.0485	.0404	.0841	.0724
36	.2000	.0771	.0771	.0690	.1048	.0931
37	.2006	.0661	.0661	.0580	.1201	.1084
38	.2111	.0474	.0474	.0393	.0814	.0697
39	.2117	.0364	.0364	.0283	.0705	.0588
40	.2222	.0286	.0286	.0205	.0480	.0363
41	.2228	.0234	.0234	.0153	.0467	.0350
42	.2333	.0233	.0233	.0152	.0463	.0346
43	.2339	.0205	.0205	.0124	.0475	.0357
44	.2444	.0185	.0185	.0104	.0481	.0360
45	.2449	.0183	.0183	.0102	.0480	.0359
46	.2556	.0174	.0174	.0097	.0485	.0364
47	.2661	.0114	.0114	.0039	.0418	.0267
48	.2667	.0099	.0099	.0034	.0170	.0114
49	.2772	.0072	.0072	.0000	.0000	.0000
50	.2778	.0044	.0044	.0000	.0000	.0000
51	.2883	.0018	.0018	.0000	.0000	.0000
52	.2889	.0017	.0017	.0000	.0000	.0000
53	.2994	.0061	.0061	.0000	.0000	.0000
54	.3000	.0081	.0081	.0000	.0000	.0000
55	.3006	.0088	.0088	.0007	.0194	.0125
56	.3111	.0079	.0079	.0006	.0142	.0096
57	.3117	.0066	.0066	.0005	.0083	.0062
58	.3222	.0122	.0111	.0050	.1317	.0838
59	.3228	.0094	.0094	.0014	.0764	.0444
60	.3333	.0061	.0078	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR: 6
 AVERAGE = 0.0000000
 3.81E-07 1.47E-01 3.32E-01 6.02E-01 8.70E-01 1.00E-00 1.17E-00 1.34E-00 1.51E-00 1.67E-00

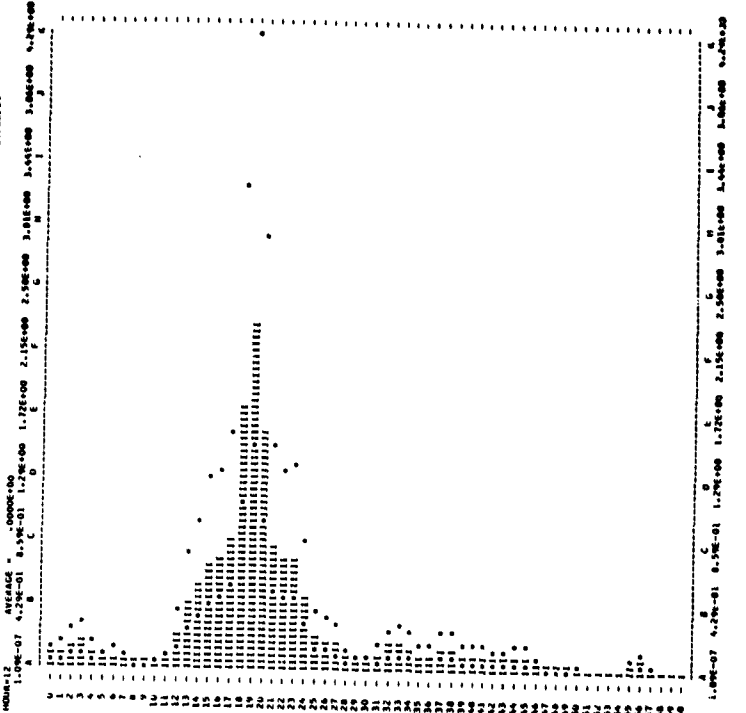


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59 AV. T = 7.0 RECORD = JMB19
 HOUR = 12 SIG.MGT. = 15.7 UPPER MGT. = 17.2
 TOTAL DF = 150 CORR. VAR. = 15.4 LOWER MGT. = 14.3
 NOISE LEVEL = .0001 WIND SPEED = 0

H	FRE. UNIT=FT.2	FILTERED -NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0713	.0713	.0652	.1202	.0415
1	.006	.0907	.0907	.0846	.1559	.0539
2	.011	.1120	.1120	.1059	.1916	.0663
3	.017	.1490	.1490	.1429	.2273	.0787
4	.022	.0967	.0967	.0906	.1630	.0511
5	.028	.0409	.0409	.0348	.0787	.0235
6	.033	.0443	.0443	.0382	.0627	.0167
7	.039	.0262	.0262	.0201	.0400	.0107
8	.044	.0281	.0281	.0220	.0429	.0136
9	.050	.0267	.0267	.0206	.0281	.0107
10	.056	.0222	.0222	.0161	.0171	.0015
11	.061	.0510	.0510	.0449	.0400	.0351
12	.067	.2040	.2040	.1979	.2030	.2071
13	.072	.0400	.0400	.0339	.0324	.0309
14	.078	.5320	.5320	.5259	.5413	.5454
15	.083	.4700	.4700	.4639	.4793	.4834
16	.089	.0800	.0800	.0739	.0716	.0701
17	.094	.7781	.7781	.7720	.8018	.8059
18	.100	1.5563	1.5563	1.5502	1.7648	1.7689
19	.106	1.9795	1.9795	1.9734	2.3296	2.3337
20	.111	1.2900	1.2900	1.2839	1.3788	1.3829
21	.117	.6400	.6400	.6339	.6123	.6164
22	.122	.9450	.9450	.9389	.9234	.9275
23	.128	5.3000	5.3000	5.2939	.7432	.7473
24	.133	.3250	.3250	.3189	.4742	.4783
25	.139	.1450	.1450	.1389	.2185	.2226
26	.144	.1210	.1210	.1149	.1917	.1958
27	.150	.0938	.0938	.0877	.1555	.1596
28	.156	.0689	.0689	.0628	.0810	.0851
29	.161	.0301	.0301	.0240	.0448	.0489
30	.167	.0280	.0280	.0219	.0479	.0520
31	.172	.0460	.0460	.0399	.0931	.1015
32	.178	.0640	.0640	.0579	.1502	.1586
33	.183	.0637	.0637	.0576	.1620	.1704
34	.189	.0518	.0518	.0457	.1361	.1445
35	.194	.0377	.0377	.0316	.1012	.1096
36	.200	.0358	.0358	.0297	.1037	.1121
37	.206	.0449	.0449	.0388	.1478	.1562
38	.211	.0417	.0417	.0356	.1485	.1569
39	.217	.0277	.0277	.0216	.0990	.1074
40	.222	.0252	.0252	.0191	.0973	.1057
41	.228	.0235	.0235	.0174	.0876	.0960
42	.233	.0184	.0184	.0123	.0755	.0839
43	.239	.0174	.0174	.0113	.0785	.0869
44	.244	.0201	.0201	.0140	.0944	.1028
45	.250	.0173	.0173	.0112	.0881	.0965
46	.256	.0120	.0120	.0059	.0562	.0646
47	.261	.0081	.0081	.0020	.0395	.0479
48	.267	.0081	.0081	.0022	.0262	.0346
49	.272	.0080	.0080	.0022	.0308	.0392
50	.278	.0077	.0077	.0018	.0286	.0370
51	.283	.0056	.0056	.0000	.0000	.0000
52	.289	.0048	.0048	.0000	.0000	.0000
53	.294	.0048	.0048	.0000	.0000	.0000
54	.300	.0055	.0055	.0000	.0000	.0000
55	.306	.0054	.0054	.0018	.0009	.0093
56	.311	.0052	.0052	.0018	.0009	.0093
57	.317	.0081	.0081	.0003	.0123	.0207
58	.322	.0083	.0083	.0000	.0000	.0000
59	.328	.0055	.0055	.0000	.0000	.0000
60	.333	.0065	.0065	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMB19
 25/12/59
 AVERAGE = .0000E+00
 CORR. VAR. = 15.4
 NOISE LEVEL = .0001
 WIND SPEED = 0

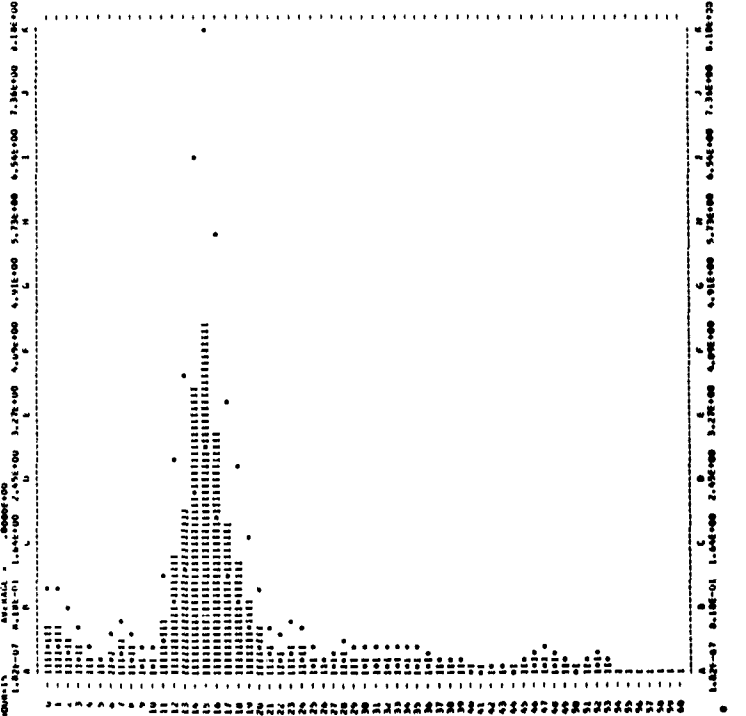


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/12/59 AV. T = 9.4 RECORD = JMB20
 HOUR = 15 SIG.MGT. = 21.2 UPPER MGT. = 23.4
 TOTAL DF = 138 CORR. VAR. = 25.1 LOWER MGT. = 19.2
 NOISE LEVEL = .0081 WIND SPEED = 0

H	FRE. UNIT=FT.2	FILTERED -NOISE	CORR.FT.2	UPPER	LOWER		
0	.000	.5831	.5831	.5750	.5750	1.0598	.3661
1	.006	.5640	.5640	.5578	.5578	1.0283	.3522
2	.011	.4520	.4520	.4439	.4439	.8182	.2820
3	.017	.3210	.3210	.3129	.3129	.5767	.1992
4	.022	.2030	.2030	.1949	.1949	.3751	.1241
5	.028	.0932	.0932	.0851	.0851	.1568	.0542
6	.033	.1860	.1860	.1779	.1779	.4585	.1584
7	.039	.2910	.2910	.2829	.2829	.7422	.2392
8	.044	.2440	.2440	.2400	.2400	.5287	.1826
9	.050	.1750	.1750	.1669	.1669	.3414	.1179
10	.056	.1550	.1550	.1469	.1469	.2878	.0944
11	.061	.4404	.4404	.4323	.4323	1.2091	.4177
12	.067	1.4240	1.4240	1.4159	1.4159	2.6843	.9273
13	.072	1.9857	1.9857	1.9776	1.9776	3.7938	1.2819
14	.078	1.4470	1.4470	1.4389	1.4389	2.6802	.9263
15	.083	4.2240	4.2240	4.2200	4.2178	8.1796	2.8258
16	.089	2.8487	2.8487	2.8406	2.8406	5.3670	1.9232
17	.094	1.7124	1.7124	1.7043	1.7043	3.4661	1.1974
18	.100	1.2800	1.2800	1.2719	1.2719	2.6268	.9079
19	.106	.7850	.7850	.7769	.7769	1.4904	.5460
20	.111	.4720	.4720	.4639	.4639	.8050	.3027
21	.117	.2610	.2610	.2529	.2529	.4974	.1804
22	.122	.2040	.2040	.1959	.1959	.4087	.1474
23	.128	.2450	.2450	.2369	.2369	.4859	.1728
24	.133	.2160	.2160	.2079	.2079	.3698	.1369
25	.139	.1250	.1250	.1169	.1169	.2389	.0871
26	.144	.0817	.0817	.0736	.0736	.1568	.0564
27	.150	.0832	.0832	.0751	.0751	.1322	.0488
28	.156	.1240	.1240	.1159	.1159	.2404	.0894
29	.161	.1080	.1080	.1000	.1000	.1850	.0681
30	.167	.0800	.0800	.0719	.0719	.1386	.0509
31	.172	.0769	.0769	.0688	.0688	.1297	.0471
32	.178	.0784	.0784	.0703	.0703	.1389	.0504
33	.183	.0727	.0727	.0646	.0646	.1234	.0457
34	.189	.0667	.0667	.0586	.0586	.1092	.0400
35	.194	.0684	.0684	.0603	.0603	.1124	.0418
36	.200	.0502	.0502	.0421	.0421	.0707	.0263
37	.206	.0394	.0394	.0313	.0313	.0546	.0207
38	.211	.0276	.0276	.0195	.0195	.0385	.0151
39	.217	.0235	.0235	.0154	.0154	.0300	.0114
40	.222	.0212	.0212	.0131	.0131	.0270	.0104
41	.228	.0189	.0189	.0108	.0108	.0239	.0093
42	.233	.0134	.0134	.0053	.0053	.0174	.0064
43	.239	.0137	.0137	.0056	.0056	.0177	.0064
44	.244	.0141	.0141	.0057	.0057	.0177	.0064
45	.250	.0173	.0173	.0077	.0077	.0219	.0079
46	.256	.0225	.0225	.0144	.0144	.0284	.0094
47	.261	.0244	.0244	.0163	.0163	.0311	.0107
48	.267	.0215	.0215	.0132	.0132	.0274	.0094
49	.272	.0121	.0121	.0059	.0059	.0161	.0047
50	.278	.0103	.0103	.0036	.0036	.0147	.0041
51	.283	.0142	.0142	.0064	.0064	.0211	.0064
52	.289	.0154	.0154	.0066	.0066	.0227	.0064
53	.294	.0123	.0123	.0042	.0042	.0188	.0054
54	.300	.0080	.0080	.0004	.0004	.0110	.0032
55	.306	.0082	.0082	.0000	.0000	.0000	.0000
56	.311	.0082	.0082	.0000	.0000	.0000	.0000
57	.317	.0083	.0083	.0000	.0000	.0000	.0000
58	.322	.0084	.0084	.0000	.0000	.0000	.0000
59	.328	.0083	.0083	.0000	.0000	.0000	.0000
60	.333	.0084	.0084	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMB20
 25/12/59
 AVERAGE = .0000E+00
 CORR. VAR. = 25.1
 NOISE LEVEL = .0081
 WIND SPEED = 0

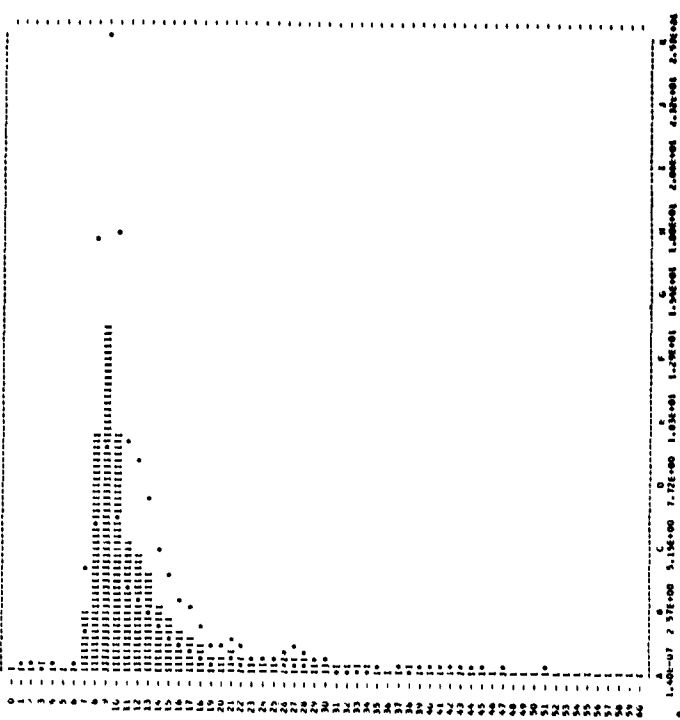


SMOOTHED WINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 29/12/59 AV. T = 12.7 RECORD = JMW21
 HOUR = 18 SIG.HGT. = 32.3 UPPER HGT. = 36.4
 TOTAL DP = 01 CORA. VAA. = 05.2 LOWER HGT. = 26.4
 NOISE LEVEL = .0136 WIND SPEED = 0

H	FRA.	UNIT=FT.2	FILTERED	NOISE	CORA.PT.2	UPPER	LOWER	
0	.000	.0000	.0000	.0522	.0522	.0000	.0239	
1	.006	.0050	.0050	.0814	.0814	.1500	.0510	
2	.011	.1370	.1370	.1234	.1234	.2274	.0706	
3	.017	.1000	.1000	.1604	.1604	.2900	.0933	
4	.022	.1180	.1180	.0964	.0964	.1776	.0616	
5	.028	.0652	.0652	.0516	.0516	.0951	.0320	
6	.033	.0711	.0711	.0576	.0576	.1000	.0377	
7	.039	1.7174	1.7174	1.7032	2.2621	4.1600	1.4404	
8	.044	7.0376	7.0376	7.0463	9.6400	17.6362	6.0236	
9	.050	12.9272	12.9272	12.9336	15.9400	26.7423	10.0090	
10	.056	6.0421	6.0421	6.0385	6.9373	17.6992	6.1110	
11	.061	6.9193	6.9193	6.9097	6.9096	9.3800	3.2400	
12	.067	4.7164	4.7164	4.6400	4.5700	6.6000	2.1600	
13	.072	3.6738	3.6738	3.6602	3.7393	6.9216	2.3012	
14	.078	2.8904	2.8904	2.8438	2.8249	4.8563	1.6777	
15	.083	1.9003	1.9003	1.9067	2.0678	3.0112	1.2106	
16	.089	1.4784	1.4784	1.4440	1.5573	2.8707	.9917	
17	.094	1.2000	1.2000	1.2184	1.3421	2.6730	.8566	
18	.100	.6510	.6510	.6894	.9649	1.7822	.6157	
19	.106	.5190	.5190	.5034	.5966	1.6906	.3700	
20	.111	.5140	.5140	.5006	.6105	1.1324	.3712	
21	.117	.5370	.5370	.5234	.6108	1.2384	.4271	
22	.122	.3830	.3830	.3404	.4938	.9139	.3157	
23	.128	.1000	.1000	.1464	.2367	.4329	.1494	
24	.133	.1000	.1000	.1464	.2177	.4312	.1384	
25	.139	.2170	.2170	.2034	.3199	.5807	.2037	
26	.144	.2370	.2370	.2234	.3460	.7404	.2585	
27	.150	.3040	.3040	.2904	.3190	.9492	.3179	
28	.154	.2440	.2440	.2304	.4338	.8033	.2775	
29	.161	.1600	.1600	.1464	.3123	.5736	.1884	
30	.167	.1490	.1490	.1354	.3738	.4819	.1871	
31	.172	.0936	.0936	.0800	.1865	.3437	.1180	
32	.178	.0894	.0894	.0860	.1409	.2904	.0807	
33	.183	.0825	.0825	.0809	.1872	.3450	.1192	
34	.189	.0894	.0894	.0958	.1644	.3030	.1047	
35	.194	.0410	.0410	.0274	.0874	.1813	.0354	
36	.200	.0314	.0314	.0178	.0620	.1143	.0399	
37	.206	.0404	.0404	.0268	.1020	.1879	.0640	
38	.211	.0463	.0463	.0327	.1363	.2312	.0848	
39	.217	.0404	.0404	.0268	.1227	.2261	.0781	
40	.222	.0204	.0204	.0177	.0892	.1444	.0568	
41	.228	.0261	.0261	.0234	.0887	.1439	.0570	
42	.233	.0337	.0337	.0313	.1088	.2006	.0693	
43	.239	.0298	.0298	.0260	.1089	.2008	.0694	
44	.244	.0214	.0214	.0188	.0845	.1464	.0570	
45	.250	.0217	.0217	.0205	.0874	.1311	.0456	
46	.254	.0190	.0190	.0171	.0672	.1239	.0428	
47	.261	.0215	.0215	.0204	.0703	.1276	.0448	
48	.267	.0182	.0182	.0180	.0519	.0957	.0331	
49	.272	.0141	.0141	.0143	.0340	.0664	.0229	
50	.278	.0189	.0189	.0182	.0437	.1113	.0409	
51	.283	.0195	.0195	.0178	.0402	.0711	.1211	.0453
52	.289	.0133	.0133	.0109	.0173	.0319	.0110	
53	.294	.0120	.0120	.0125	.0000	.0000	.0000	
54	.300	.0127	.0127	.0123	.0000	.0000	.0000	
55	.304	.0127	.0127	.0120	.0000	.0000	.0000	
56	.311	.0132	.0132	.0133	.0000	.0000	.0000	
57	.317	.0143	.0143	.0140	.0004	.0139	.0089	
58	.322	.0142	.0142	.0138	.0002	.0074	.0136	.0087
59	.328	.0125	.0125	.0128	.0000	.0000	.0000	.0000
60	.333	.0119	.0119	.0122	.0000	.0000	.0000	.0000

SMOOTHED WINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS: 1 1.40-07 2 5.16-00 3 1.00-00 4 1.00-00 5 1.00-00 6 1.00-00 7 1.00-00 8 1.00-00 9 1.00-00 10 1.00-00 11 1.00-00 12 1.00-00 13 1.00-00 14 1.00-00 15 1.00-00 16 1.00-00 17 1.00-00 18 1.00-00 19 1.00-00 20 1.00-00 21 1.00-00 22 1.00-00 23 1.00-00 24 1.00-00 25 1.00-00 26 1.00-00 27 1.00-00 28 1.00-00 29 1.00-00 30 1.00-00 31 1.00-00 32 1.00-00 33 1.00-00 34 1.00-00 35 1.00-00 36 1.00-00 37 1.00-00 38 1.00-00 39 1.00-00 40 1.00-00 41 1.00-00 42 1.00-00 43 1.00-00 44 1.00-00 45 1.00-00 46 1.00-00 47 1.00-00 48 1.00-00 49 1.00-00 50 1.00-00 51 1.00-00 52 1.00-00 53 1.00-00 54 1.00-00 55 1.00-00 56 1.00-00 57 1.00-00 58 1.00-00 59 1.00-00 60 1.00-00

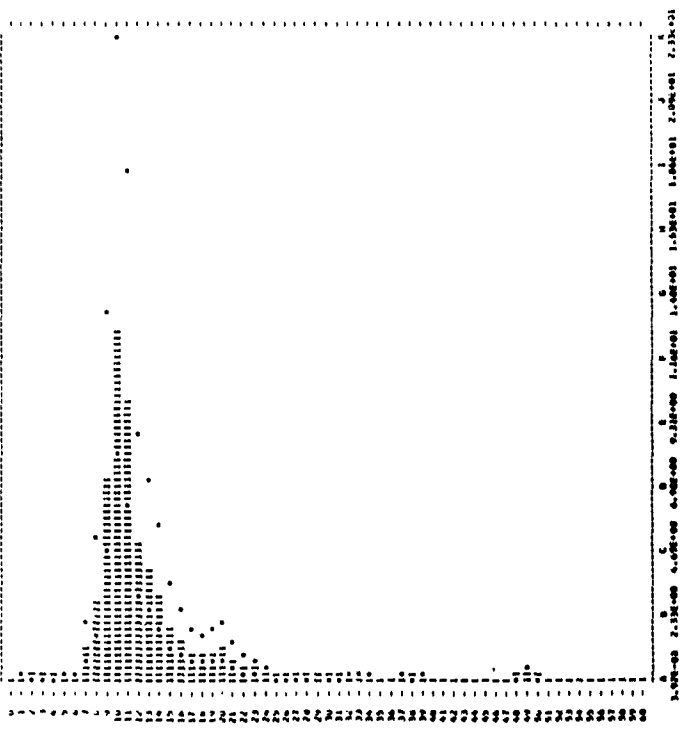


SMOOTHED WINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 29/12/59 AV. T = 12.6 RECORD = JMW22
 HOUR = 21 SIG.HGT. = 30.5 UPPER HGT. = 34.4
 TOTAL DP = 08 CORA. VAA. = 18.0 LOWER HGT. = 26.9
 NOISE LEVEL = .0168 WIND SPEED = 0

H	FRA.	UNIT=FT.2	FILTERED	NOISE	CORA.PT.2	UPPER	LOWER
0	.000	.0889	.0889	.0521	.0521	.0961	.0332
1	.006	.0876	.0876	.0708	.0708	.1505	.0481
2	.011	.1430	.1430	.1262	.1262	.2326	.0804
3	.017	.1900	.1900	.1732	.1732	.3193	.1103
4	.022	.1370	.1370	.1462	.1462	.2585	.0893
5	.028	.1720	.1720	.1052	.1052	.1939	.0670
6	.033	.0900	.0900	.0732	.1154	.2126	.0733
7	.039	.0736	.0736	.0618	.1045	.1989	.0900
8	.044	2.3108	2.3108	2.3000	2.7389	5.0481	1.7434
9	.050	6.5063	6.5063	6.4895	7.2927	13.2757	4.5863
10	.056	11.8952	11.8952	11.8784	12.6248	23.2730	10.0400
11	.061	9.4821	9.4821	9.4653	10.0270	18.4627	6.3891
12	.067	6.7108	6.7108	6.6940	6.8147	8.8761	3.0057
13	.072	3.8849	3.8849	3.8681	3.9887	7.3149	2.5270
14	.078	2.9034	2.9034	2.8866	2.9877	5.5067	1.9026
15	.083	1.8648	1.8648	1.8480	1.9490	3.9813	1.2772
16	.089	1.3900	1.3900	1.3732	1.4743	2.8717	.9230
17	.094	.9400	.9400	.9232	1.0187	1.8776	.6486
18	.100	.6336	.6336	.6168	.7292	1.7126	.5917
19	.106	.6400	.6400	.6232	1.0000	1.4563	.6006
20	.111	.4290	.4290	.4087	1.1153	2.0597	.7102
21	.117	.6290	.6290	.6122	.7867	1.4463	.4996
22	.122	.3620	.3620	.3452	.4634	.8562	.2951
23	.128	.2760	.2760	.2592	.3642	.6711	.2319
24	.133	.1480	.1480	.1312	.1491	.3597	.1263
25	.139	.0900	.0900	.0812	.1278	.2355	.0814
26	.144	.1000	.1000	.0912	.1388	.2599	.0884
27	.150	.0994	.0994	.0906	.1403	.2587	.0864
28	.154	.1050	.1050	.0962	.1469	.3076	.1043
29	.161	.1000	.1000	.0912	.1845	.3401	.1174
30	.167	.0961	.0961	.0873	.1722	.3173	.1096
31	.172	.0707	.0707	.0619	.1256	.2314	.0801
32	.178	.0524	.0524	.0436	.0907	.1671	.0577
33	.183	.0562	.0562	.0474	.1017	.1875	.0648
34	.189	.0894	.0894	.0806	.0812	.1333	.0530
35	.194	.0290	.0290	.0222	.0391	.0721	.0249
36	.200	.0269	.0269	.0201	.0353	.0651	.0229
37	.206	.0267	.0267	.0207	.0319	.0589	.0219
38	.211	.0485	.0485	.0317	.1323	.2439	.0441
39	.217	.0612	.0612	.0444	.1119	.2463	.0713
40	.222	.0400	.0400	.0232	.0583	.1975	.0371
41	.228	.0167	.0167	.0089	.0028	.0041	.0018
42	.233	.0087	.0087	.0000	.0000	.0000	.0000
43	.239	.0124	.0124	.0000	.0000	.0000	.0000
44	.244	.0190	.0190	.0004	.0034	.0063	.0022
45	.250	.0189	.0189	.0011	.0043	.0071	.0029
46	.254	.0167	.0167	.0084	.0016	.0049	.0014
47	.261	.0294	.0294	.0126	.0547	.1009	.0348
48	.267	.0323	.0323	.0156	.1618	.2982	.1030
49	.272	.0166	.0166	.0083	.0215	.0400	.0139
50	.278	.0267	.0267	.0094	.1425	.2627	.0407
51	.283	.0149	.0149	.0015	.0251	.0463	.0160
52	.289	.0165	.0165	.0084	.0238	.0461	.0139
53	.294	.0185	.0185	.0101	.0231	.0425	.0147
54	.300	.0176	.0176	.0013	.0138	.0629	.0214
55	.304	.0166	.0166	.0084	.0238	.0461	.0139
56	.311	.0160	.0160	.0000	.0000	.0000	.0000
57	.317	.0151	.0151	.0000	.0000	.0000	.0000
58	.322	.0156	.0156	.0000	.0000	.0000	.0000
59	.328	.0159	.0159	.0000	.0000	.0000	.0000
60	.333	.0162	.0162	.0000	.0000	.0000	.0000

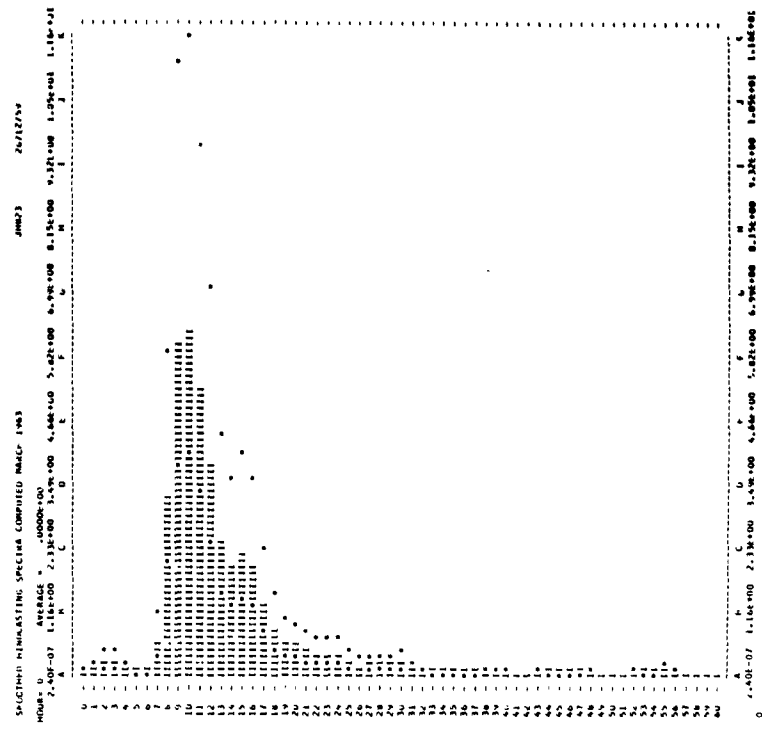
SMOOTHED WINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS: 1 1.40-07 2 5.16-00 3 1.00-00 4 1.00-00 5 1.00-00 6 1.00-00 7 1.00-00 8 1.00-00 9 1.00-00 10 1.00-00 11 1.00-00 12 1.00-00 13 1.00-00 14 1.00-00 15 1.00-00 16 1.00-00 17 1.00-00 18 1.00-00 19 1.00-00 20 1.00-00 21 1.00-00 22 1.00-00 23 1.00-00 24 1.00-00 25 1.00-00 26 1.00-00 27 1.00-00 28 1.00-00 29 1.00-00 30 1.00-00 31 1.00-00 32 1.00-00 33 1.00-00 34 1.00-00 35 1.00-00 36 1.00-00 37 1.00-00 38 1.00-00 39 1.00-00 40 1.00-00 41 1.00-00 42 1.00-00 43 1.00-00 44 1.00-00 45 1.00-00 46 1.00-00 47 1.00-00 48 1.00-00 49 1.00-00 50 1.00-00 51 1.00-00 52 1.00-00 53 1.00-00 54 1.00-00 55 1.00-00 56 1.00-00 57 1.00-00 58 1.00-00 59 1.00-00 60 1.00-00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T = 11.4 RECDUM = JHR23
 HOUR = 0 SIG.MGT. = 26.0 UPPER MGT. = 29.0
 TOTAL DF = 117 CURR. VARI. = 62.6 LOWER MGT. = 27.6
 NOISE LEVEL = .0124 WIND SPEED = 0

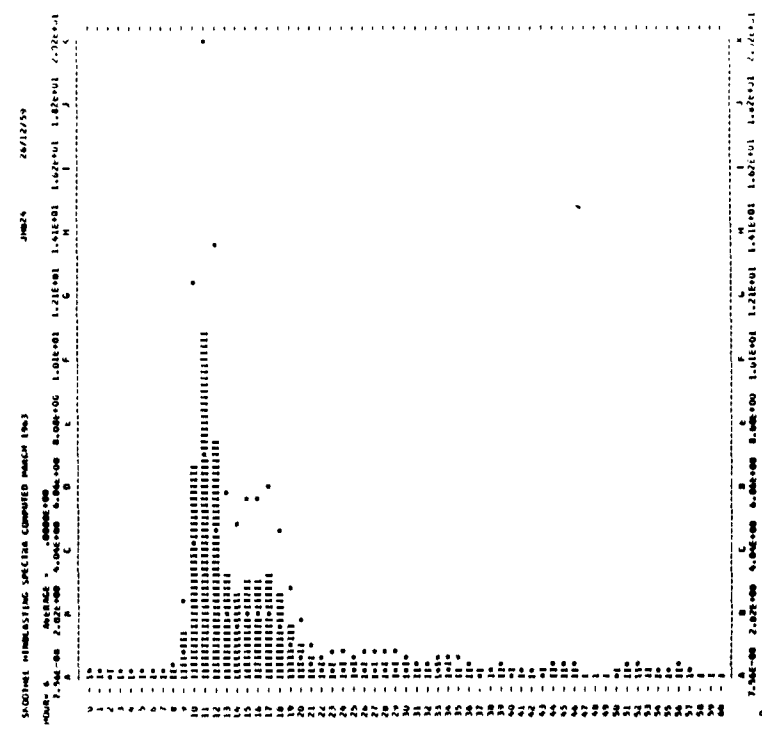
H	FREQ.	UNIT	F2	F2	F2	NOISE	LORR.	PT.2	UPPER	LOWER	WIND
0	.000		.0007	.0543	.0543	.1002	.0344				
1	.006		.1480	.1480	.1480	.1480	.2300	.0884			
2	.011		.2800	.2800	.2800	.2800	.4933	.1704			
3	.017		.2470	.2470	.2470	.2470	.4325	.1494			
4	.022		.1180	.1180	.1056	.1056	.1947	.0675			
5	.028		.0713	.0713	.0584	.0584	.1084	.0375			
6	.033		.0404	.0404	.0480	.0757	.1345	.0482			
7	.039		.4861	.4861	.4747	.8290	1.1593	.4005			
8	.044		2.7290	2.7290	2.7166	2.7250	3.9626	2.0598			
9	.050		5.4790	5.4790	5.4666	6.0674	11.1832	3.8834			
10	.056		5.9566	5.9566	5.9442	6.3187	11.6464	4.0236			
11	.061		3.0292	3.0292	3.0267	3.2465	4.6700	2.3456			
12	.067		3.7844	3.7844	3.7725	3.8895	7.1321	2.4839			
13	.072		2.3712	2.3712	2.3688	2.4202	4.4607	1.9410			
14	.078		1.8846	1.8846	1.8766	1.9423	3.5800	1.6368			
15	.083		2.0998	2.0998	2.0874	2.1447	4.0452	1.3475			
16	.089		1.8416	1.8416	1.8292	1.9630	3.5850	1.2385			
17	.094		1.1600	1.1600	1.1476	1.2663	2.7340	.4063			
18	.100		.7120	.7120	.7036	.8023	1.4806	.3113			
19	.106		.5130	.5130	.5006	.5910	1.0993	.2763			
20	.111		.4430	.4430	.4306	.5248	.9747	.1947			
21	.117		.3331	.3331	.3210	.4366	.8047	.2780			
22	.122		.2860	.2860	.2736	.3673	.6771	.2339			
23	.128		.2770	.2770	.2710	.3446	.6880	.2177			
24	.133		.2550	.2550	.2426	.3408	.6651	.2298			
25	.139		.1720	.1720	.1596	.2511	.4629	.1599			
26	.144		.1440	.1440	.1316	.1466	.3126	.1060			
27	.150		.1200	.1200	.1076	.1409	.3514	.1216			
28	.156		.1100	.1100	.1076	.1847	.3405	.1176			
29	.161		.1000	.1000	.1076	.2178	.4014	.1387			
30	.167		.1190	.1190	.1066	.2315	.4288	.1474			
31	.172		.0671	.0671	.0547	.1277	.2353	.0813			
32	.178		.0384	.0384	.0260	.0580	.1209	.0348			
33	.183		.0409	.0409	.0285	.0776	.1430	.0494			
34	.189		.0425	.0425	.0301	.0889	.1628	.0586			
35	.194		.0388	.0388	.0264	.0741	.1384	.0478			
36	.200		.0386	.0386	.0262	.0848	.1380	.0539			
37	.206		.0346	.0346	.0222	.0847	.1362	.0540			
38	.211		.0271	.0271	.0147	.0542	.0840	.0335			
39	.217		.0227	.0227	.0103	.0474	.0874	.0302			
40	.222		.0127	.0127	.0007	.0340	.0827	.0217			
41	.228		.0143	.0143	.0164	.0164	.0310	.0107			
42	.233		.0132	.0132	.0150	.0163	.0300	.0104			
43	.239		.0193	.0193	.0069	.0470	.0867	.0300			
44	.244		.0152	.0152	.0105	.0800	.1474	.0508			
45	.250		.0719	.0719	.0217	.0772	.1460	.0504			
46	.256		.0179	.0179	.0068	.0644	.1188	.0410			
47	.261		.0180	.0180	.0059	.0644	.1180	.0397			
48	.267		.0171	.0171	.0045	.0537	.0990	.0342			
49	.272		.0143	.0143	.0021	.0286	.0523	.0181			
50	.278		.0122	.0122	.0005	.0076	.0148	.0050			
51	.283		.0128	.0128	.0013	.0228	.0416	.0144			
52	.289		.0169	.0169	.0030	.0574	.1080	.0366			
53	.294		.0147	.0147	.0024	.0443	.1184	.0414			
54	.300		.0144	.0144	.0035	.0877	.1617	.0558			
55	.306		.0171	.0171	.0044	.1267	.2336	.0807			
56	.311		.0141	.0141	.0015	.0508	.1184	.0414			
57	.317		.0083	.0083	.0000	.0000	.0000	.0000			
58	.322		.0078	.0078	.0000	.0000	.0000	.0000			
59	.328		.0077	.0077	.0000	.0000	.0000	.0000			
60	.333		.0074	.0074	.0000	.0000	.0000	.0000			



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T = 29.8 RECDUM = JHR24
 HOUR = 6 SIG.MGT. = 56.1 UPPER MGT. = 33.4
 TOTAL DF = 111 CURR. VARI. = 26.8 LOWER MGT. = 26.8
 NOISE LEVEL = .0387 WIND SPEED = 0

H	FREQ.	UNIT	F2	F2	F2	NOISE	LORR.	PT.2	UPPER	LOWER	WIND
0	.000		.1079	.1079	.0632	.0632	.1164	.0402			
1	.006		.1310	.1310	.0913	.0913	.1882	.0591			
2	.011		.1980	.1980	.1143	.1143	.2198	.0759			
3	.017		.1390	.1390	.0993	.0993	.1830	.0632			
4	.022		.1700	.1700	.0863	.0863	.1774	.0613			
5	.028		.1180	.1180	.0763	.0763	.1774	.0613			
6	.033		.1070	.1070	.0623	.0623	.1608	.0425			
7	.039		.1110	.1110	.0713	.0713	.1744	.0483			
8	.044		.2278	.2278	.1881	.2240	.4128	.1426			
9	.050		1.2093	1.2093	1.2276	1.3667	2.5153	.8890			
10	.056		6.3853	6.3853	6.3496	6.7453	12.4227	4.0350			
11	.061		10.8039	10.8039	10.5442	10.4803	20.2015	6.9789			
12	.067		7.2871	7.2871	7.2474	7.4936	13.7013	6.7333			
13	.072		3.1326	3.1326	3.0929	3.1733	6.8044	3.2046			
14	.078		2.8958	2.8958	2.8461	2.8452	4.8570	1.6779			
15	.083		2.9081	2.9081	2.8684	3.0128	5.5586	1.4203			
16	.089		2.9771	2.9771	2.8974	3.0808	6.4683	1.4617			
17	.094		4.9788	4.9788	4.9391	5.2430	9.3773	2.0649			
18	.100		2.2893	2.2893	2.2596	2.5723	6.7411	1.6379			
19	.106		1.3400	1.3400	1.3003	1.5900	2.8292	.9774			
20	.111		.8590	.8590	.8153	1.0012	1.8453	.6375			
21	.117		.4690	.4690	.4272	.5502	1.0191	.3991			
22	.122		.5130	.5130	.4733	.5468	.8761	.3738			
23	.128		.3130	.3130	.2753	.3883	.7156	.2472			
24	.133		.3090	.3090	.2693	.4004	.7381	.2390			
25	.139		.2740	.2740	.2343	.3605	.6793	.2367			
26	.144		.2720	.2720	.2323	.3874	.7143	.2467			
27	.150		.2050	.2050	.1753	.4427	.8345	.2883			
28	.156		.2850	.2850	.2453	.4840	.8592	.2954			
29	.161		.2320	.2320	.1923	.3889	.7169	.2477			
30	.167		.1880	.1880	.1483	.3214	.5931	.2044			
31	.172		.1430	.1430	.1033	.2408	.4643	.1593			
32	.178		.1360	.1360	.0963	.2473	.4666	.1543			
33	.183		.1430	.1430	.1033	.2391	.4676	.1533			
34	.189		.1510	.1510	.1113	.2380	.4666	.1533			
35	.194		.1290	.1290	.0893	.2399	.4668	.1533			
36	.200		.1010	.1010	.0813	.2139	.3961	.1363			
37	.206		.0378	.0378	.0278	.1033	.1930	.0673			
38	.211		.0439	.0439	.0242	.1009	.1858	.0642			
39	.217		.0759	.0759	.0387	.1899	.3055	.1055			
40	.222		.0869	.0869	.0463	.1273	.2176	.0746			
41	.228		.0470	.0470	.0316	.0756	.1394	.0481			
42	.233		.0973	.0973	.0511	.0805	.1465	.0513			
43	.239		.0387	.0387	.0263	.1111	.1616	.0455			
44	.244		.0461	.0461	.0285	.2009	.3709	.1274			
45	.250		.0769	.0769	.0306	.2840	.4774	.1844			
46	.256		.0836	.0836	.0319	.1758	.3161	.1258			
47	.261		.0385	.0385	.0264	.0381	.0764	.0244			
48	.267		.0328	.0328	.0200	.0800	.0800	.0000			
49	.272		.0420	.0420	.0243	.0340	.0340	.0193			
50	.278		.0512	.0512	.0282	.1183	.2930	.0801			
51	.283		.0512	.0512	.0282	.1183	.2930	.0801			
52	.289		.0487	.0487	.0263	.1184	.2930	.0801			
53	.294		.0484	.0484	.0263	.1184	.2930	.0801			
54	.300		.0466	.0466	.0229	.0838	.1176	.0466			
55	.306		.0416	.0416	.0194	.0550	.1016	.0350			
56	.311		.0440	.0440	.0254	.1184	.2930	.0801			
57	.317		.0443	.0443	.0254	.0887	.1820	.0488			
58	.322		.0440	.0440	.0254	.0887	.1820	.0488			
59	.328		.0440	.0440	.0254	.0887	.1820	.0488			
60	.333		.0440	.0440	.0254	.0887	.1820	.0488			

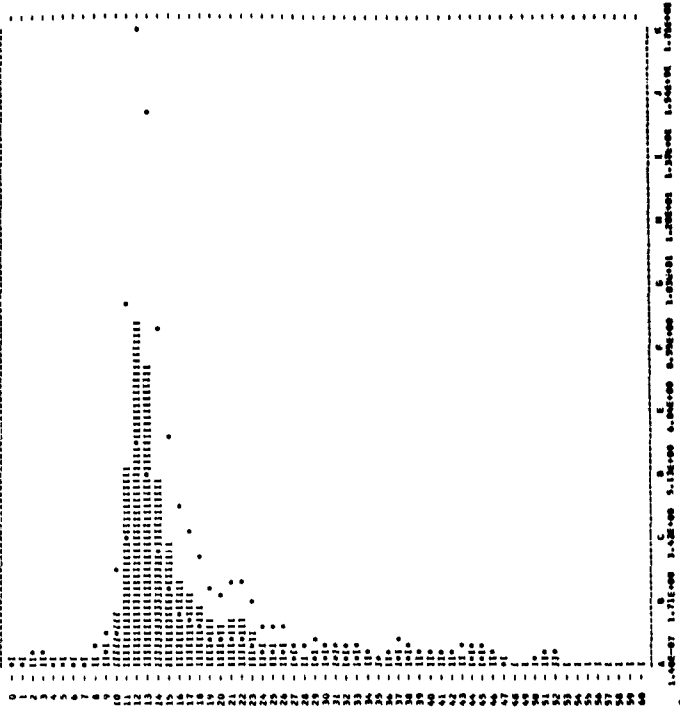


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T = 0.6 RECORD = JMS25
 HOUR = 9 SIG. HGT. = 28.9 UPPER HGT. = 32.2
 TOTAL DF = 116 CORR. V.A. = 52.3 LOWER HGT. = 26.0
 NOISE LEVEL = .0277 WIND SPEED = 0

N	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR. FT.2	UPPER	LOWER	
0	.000	.1250	.0901	.0941	.1771	.0612	
1	.000	.1400	.1103	.1103	.2143	.0740	
2	.011	.1500	.1203	.1203	.2139	.1004	
3	.017	.1500	.1203	.1203	.2003	.1068	
4	.022	.1470	.1193	.1193	.2199	.0760	
5	.028	.1210	.0933	.0933	.1719	.0594	
6	.033	.1080	.0823	.0823	.1727	.0748	
7	.039	.1010	.0793	.0793	.1793	.0620	
8	.044	.0930	.0753	.0753	.1830	.1090	
9	.050	.0860	.0723	.0723	.1870	.1101	
10	.056	1.3750	1.3477	1.4326	2.6405	.9122	
11	.061	5.1350	5.1980	5.1041	5.2996	6.7680	3.3743
12	.067	9.0491	9.0091	9.2616	9.2737	17.0029	8.9080
13	.072	7.8791	7.8914	8.0595	8.0479	9.1293	
14	.078	6.7486	6.7466	6.7129	6.8778	8.9986	5.1059
15	.083	3.1639	3.1439	3.1362	3.2876	4.0776	2.0996
16	.089	2.1054	2.1024	2.1377	2.2730	4.1895	1.4473
17	.096	1.7720	1.7720	1.7491	1.8255	3.5690	1.2261
18	.100	1.4300	1.4300	1.4327	1.5066	2.9623	1.0165
19	.106	.9720	.9720	.9443	1.1147	2.0346	.7090
20	.111	.8930	.8930	.8293	1.0134	1.8679	.6553
21	.117	.8360	.8360	.7903	1.1841	2.1357	.7411
22	.122	.9100	.9100	.8823	1.1044	2.1030	.7941
23	.128	.8780	.8780	.8203	.9172	1.8900	.6840
24	.133	.8200	.8200	.7923	.8374	1.0752	.3713
25	.139	.9940	.9940	.9663	.9793	1.0678	.3689
26	.144	.9740	.9740	.9463	.9172	1.0648	.3679
27	.150	.1940	.1940	.1663	.2049	.5436	.1070
28	.156	.1570	.1570	.1293	.2444	.4908	.1557
29	.161	.1000	.1000	.0723	.3647	.6722	.2322
30	.167	.1770	.1770	.1493	.3240	.5972	.2043
31	.172	.1380	.1380	.1103	.2572	.4740	.1636
32	.178	.1490	.1490	.1213	.2193	.4041	.1400
33	.183	.1330	.1330	.1053	.2862	.5275	.1822
34	.189	.0786	.0786	.0509	.1900	.2765	.0995
35	.194	.0470	.0470	.0193	.0617	.1133	.0393
36	.200	.0804	.0804	.0527	.1839	.3369	.1171
37	.206	.1180	.1180	.0903	.3439	.6338	.2190
38	.211	.0934	.0934	.0657	.2740	.5036	.1745
39	.217	.0675	.0675	.0398	.1823	.3360	.1141
40	.222	.0705	.0705	.0413	.2080	.3833	.1324
41	.228	.0474	.0474	.0193	.1440	.2222	.1015
42	.233	.0694	.0694	.0369	.2269	.4182	.1445
43	.239	.0802	.0802	.0345	.2350	.4331	.1496
44	.244	.0474	.0474	.0193	.2448	.4811	.1879
45	.250	.0694	.0694	.0328	.2749	.5103	.1743
46	.256	.0678	.0678	.0210	.1982	.3652	.1242
47	.261	.0334	.0334	.0105	.0892	.1844	.0588
48	.267	.0294	.0294	.0119	.0224	.0612	.0142
49	.272	.0234	.0277	.0000	.0000	.0000	.0003
50	.278	.0302	.0324	.0000	.0713	.1331	.0477
51	.283	.0443	.0396	.0119	.2034	.3752	.1294
52	.289	.0398	.0368	.0091	.1758	.3240	.1119
53	.294	.0234	.0275	.0000	.0000	.0000	.0000
54	.300	.0233	.0237	.0000	.0000	.0000	.0000
55	.306	.0246	.0234	.0000	.0000	.0000	.0000
56	.311	.0414	.0237	.0000	.0000	.0000	.0000
57	.317	.0249	.0262	.0000	.0000	.0000	.0000
58	.322	.0246	.0277	.0000	.0000	.0000	.0000
59	.328	.0218	.0242	.0000	.0000	.0000	.0000
60	.333	.0218	.0232	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9 AVERAGE = .00000000
 1.00E-07 1.10E-06 1.20E-05 1.30E-04 1.40E-03 1.50E-02 1.60E-01 1.70E+00 1.80E+01 1.90E+02 2.00E+03

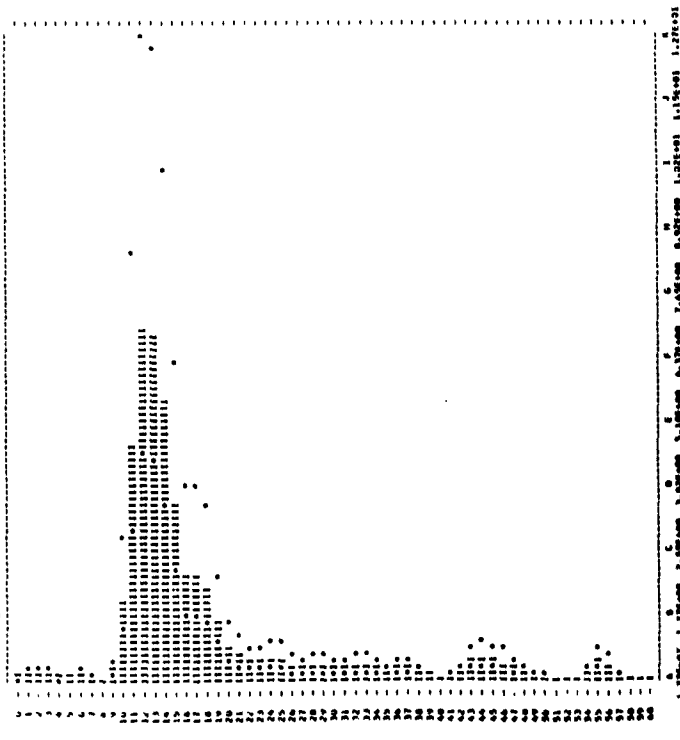


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 AV. T = 0.1 RECORD = JMS26
 HOUR = 12 SIG. HGT. = 26.9 UPPER HGT. = 29.9
 TOTAL DF = 117 CORR. V.A. = 45.2 LOWER HGT. = 24.2
 NOISE LEVEL = .0246 WIND SPEED = 0

N	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR. FT.2	UPPER	LOWER	
0	.000	.0947	.0681	.0681	.1255	.0434	
1	.006	.1510	.1244	.1244	.2283	.0792	
2	.011	.1810	.1544	.1544	.2846	.0983	
3	.017	.1350	.1084	.1084	.1998	.0690	
4	.022	.1210	.0944	.0944	.1740	.0601	
5	.028	.1290	.1024	.1024	.1888	.0652	
6	.033	.1040	.0774	.0774	.1224	.0477	
7	.039	.0536	.0264	.0264	.0350	.0123	
8	.044	.0461	.0193	.0193	.0232	.0078	
9	.050	.2288	.2022	.2022	.4137	.1429	
10	.056	1.4338	1.5171	1.5171	2.7963	9.6640	
11	.061	4.4342	4.4326	4.5988	4.5763	2.9283	
12	.067	6.7762	6.7762	6.7636	6.9169	12.7489	4.4043
13	.072	6.4209	6.4209	6.3943	6.7489	12.4703	4.3080
14	.078	5.2907	5.2907	5.2636	5.4478	10.0412	3.4489
15	.083	3.2571	3.2571	3.2305	3.3984	6.2804	2.1627
16	.089	1.9408	1.9408	1.9242	2.0506	3.7917	1.5095
17	.096	1.9180	1.9184	1.8914	2.0870	3.8466	1.3289
18	.100	1.6300	1.6300	1.6234	1.8401	3.4063	1.1768
19	.106	1.4950	1.4950	1.4884	1.7124	2.8553	.9204
20	.111	.9370	.9370	.9304	.1013	1.2009	.6147
21	.117	.6070	.6070	.6004	.6874	.8987	.5105
22	.122	.2970	.2970	.2904	.3630	.4661	.2311
23	.128	.2880	.2884	.2814	.3687	.4766	.2348
24	.133	.3210	.3210	.3144	.4378	.5070	.2788
25	.139	.2800	.2800	.2734	.3486	.4547	.2338
26	.144	.1880	.1880	.1814	.2493	.3493	.1715
27	.150	.1400	.1400	.1334	.2011	.3107	.1281
28	.156	.1560	.1560	.1494	.2440	.3512	.1559
29	.161	.1480	.1480	.1414	.2456	.3527	.1564
30	.167	.1250	.1250	.1184	.2136	.3037	.1340
31	.172	.1090	.1090	.1024	.1822	.2542	.1024
32	.178	.1260	.1260	.1194	.2452	.3519	.1561
33	.183	.1330	.1330	.1264	.2892	.4331	.1892
34	.189	.0947	.0947	.0881	.2008	.2781	.1078
35	.194	.0735	.0735	.0669	.1592	.2168	.0806
36	.200	.0814	.0814	.0748	.1913	.2525	.1023
37	.206	.0772	.0772	.0706	.1848	.2353	.1027
38	.211	.0654	.0654	.0588	.1617	.2186	.0831
39	.217	.0486	.0486	.0420	.1009	.1859	.0642
40	.222	.0249	.0249	.0183	.0304	.0641	.0170
41	.228	.0211	.0211	.0145	.0396	.0657	.0217
42	.233	.0349	.0349	.0283	.1087	.2110	.0374
43	.239	.0812	.0794	.0728	.3230	.4993	.0937
44	.244	.0783	.0765	.0699	.3036	.4701	.0843
45	.250	.0705	.0700	.0634	.3473	.5170	.0939
46	.256	.0607	.0600	.0534	2	.5815	.0809
47	.261	.0481	.0474	.0408	2	.5106	.0611
48	.267	.0337	.0335	.0269	10	.1950	.0274
49	.272	.0245	.0244	.0179	.0397	.0704	.0243
50	.278	.0311	.0300	.0245	.0377	.0688	.0234
51	.283	.0275	.0269	.0204	.3061	.0512	.0039
52	.289	.0217	.0210	.0145	.0000	.0000	.0000
53	.294	.0216	.0216	.0145	.0000	.0000	.0000
54	.300	.0308	.0311	.0244	.1143	.0106	.0128
55	.306	.0420	.0414	.0344	.3254	.3996	.0472
56	.311	.0370	.0364	.0294	.3022	.3574	.0414
57	.317	.0272	.0274	.0204	.0349	.0335	.0254
58	.322	.0182	.0179	.0110	.0000	.0000	.0000
59	.328	.0180	.0174	.0100	.0000	.0000	.0000
60	.333	.0215	.0217	.0145	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12 AVERAGE = .00000000
 1.20E-07 1.30E-06 1.40E-05 1.50E-04 1.60E-03 1.70E-02 1.80E-01 1.90E+00 2.00E+01 2.10E+02 2.20E+03

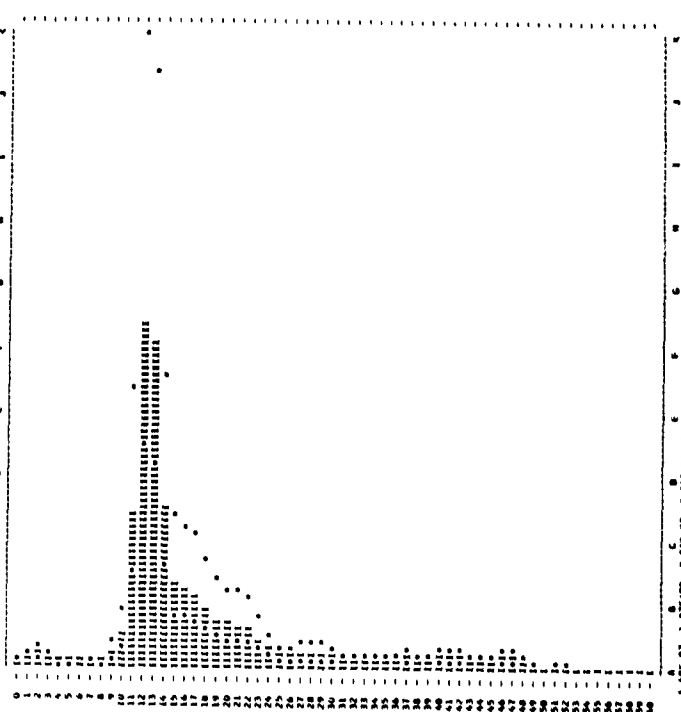


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 Av. T = 9.4 RECORD = JHR27
 HOUR = 19 SIG.MGT. = 24.1 UPPER HGT. = 25.3
 TOTAL DP = 107 CORR. VAR. = 36.3 LOWER HGT. = 21.9
 NCISE LEVEL = .0161 WIND SPEED = 0

M	PRC.	UNIT	FILTERED	-NOISE	CORR.FI.2	UPPER	LOWER
0	.000	.0990	.0990	.0420	.0420	.0791	.0273
1	.006	.1310	.1310	.1149	.1149	.1218	.0732
2	.011	.1700	.1700	.1629	.1629	.1747	.1292
3	.017	.1710	.1710	.1649	.1649	.1865	.1352
4	.022	.1020	.1020	.0859	.0859	.1084	.0547
5	.029	.1140	.1140	.0979	.0979	.1203	.0607
6	.033	.0799	.0799	.0638	.0638	.1053	.0640
7	.039	.0493	.0493	.0332	.0332	.0813	.0283
8	.044	.0296	.0296	.0135	.0135	.0573	.0257
9	.050	.2800	.2800	.2639	.2639	.2999	.2355
10	.056	.2958	.2958	.2797	.2797	.3158	.2514
11	.061	2.9704	2.9704	2.9543	2.9543	3.0001	2.9840
12	.067	6.7404	6.7404	6.7243	6.7243	6.8071	6.7910
13	.072	6.3094	6.3094	6.2933	6.2933	6.4009	6.3848
14	.078	3.0881	3.0881	3.0720	3.0720	3.1659	3.1498
15	.083	1.6130	1.6130	1.5969	1.5969	1.6790	1.6629
16	.089	1.6549	1.6549	1.6388	1.6388	1.7299	1.7138
17	.094	1.3687	1.3687	1.3526	1.3526	1.4263	1.4102
18	.100	1.0300	1.0300	1.0139	1.0139	1.0842	1.0681
19	.106	.0810	.0810	.0649	.0649	.0902	.0741
20	.111	.0700	.0700	.0539	.0539	.0646	.0485
21	.117	.0580	.0580	.0419	.0419	.0527	.0366
22	.122	.0790	.0790	.0629	.0629	.0707	.0546
23	.128	.0490	.0490	.0329	.0329	.0409	.0248
24	.133	.0380	.0380	.0219	.0219	.0290	.0129
25	.139	.1970	.1970	.1809	.1809	.2217	.2056
26	.144	.1870	.1870	.1709	.1709	.2117	.1956
27	.150	.1040	.1040	.0879	.0879	.1233	.1072
28	.156	.1340	.1340	.1179	.1179	.1453	.1292
29	.161	.1630	.1630	.1469	.1469	.1713	.1552
30	.167	.1210	.1210	.1049	.1049	.1277	.1116
31	.172	.0820	.0820	.0659	.0659	.0837	.0676
32	.178	.0714	.0714	.0549	.0549	.0727	.0566
33	.183	.0762	.0762	.0601	.0601	.0834	.0673
34	.189	.0478	.0478	.0307	.0307	.0414	.0253
35	.194	.0629	.0629	.0469	.0469	.0573	.0412
36	.200	.0634	.0634	.0473	.0473	.0611	.0450
37	.206	.0501	.0501	.0331	.0331	.0446	.0285
38	.211	.0565	.0565	.0404	.0404	.0500	.0339
39	.217	.0517	.0517	.0356	.0356	.0432	.0271
40	.222	.0474	.0474	.0313	.0313	.0377	.0216
41	.228	.0574	.0574	.0402	.0402	.0473	.0312
42	.233	.0681	.0681	.0512	.0512	.0574	.0413
43	.238	.0545	.0545	.0373	.0373	.0463	.0304
44	.244	.0332	.0332	.0188	.0188	.0263	.0104
45	.250	.0377	.0377	.0201	.0201	.0294	.0135
46	.256	.0362	.0362	.0187	.0187	.0280	.0121
47	.261	.0392	.0392	.0200	.0200	.0315	.0154
48	.267	.0297	.0297	.0126	.0126	.0193	.0034
49	.272	.0140	.0140	.0019	.0019	.0046	.0007
50	.278	.0172	.0172	.0016	.0016	.0033	.0004
51	.283	.0201	.0201	.0030	.0030	.0041	.0009
52	.289	.0148	.0148	.0027	.0027	.0034	.0005
53	.294	.0173	.0173	.0011	.0011	.0023	.0003
54	.300	.0191	.0191	.0000	.0000	.0000	.0000
55	.306	.0148	.0148	.0000	.0000	.0000	.0000
56	.311	.0159	.0159	.0000	.0000	.0000	.0000
57	.317	.0175	.0175	.0001	.0001	.0004	.0000
58	.322	.0140	.0140	.0000	.0000	.0000	.0000
59	.328	.0145	.0145	.0000	.0000	.0000	.0000
60	.333	.0163	.0163	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 26/12/59
 HOUR = 19
 TOTAL DP = 107
 SIG.MGT. = 24.1
 CORR. VAR. = 36.3
 NCISE LEVEL = .0161
 WIND SPEED = 0
 UPPER HGT. = 25.3
 LOWER HGT. = 21.9

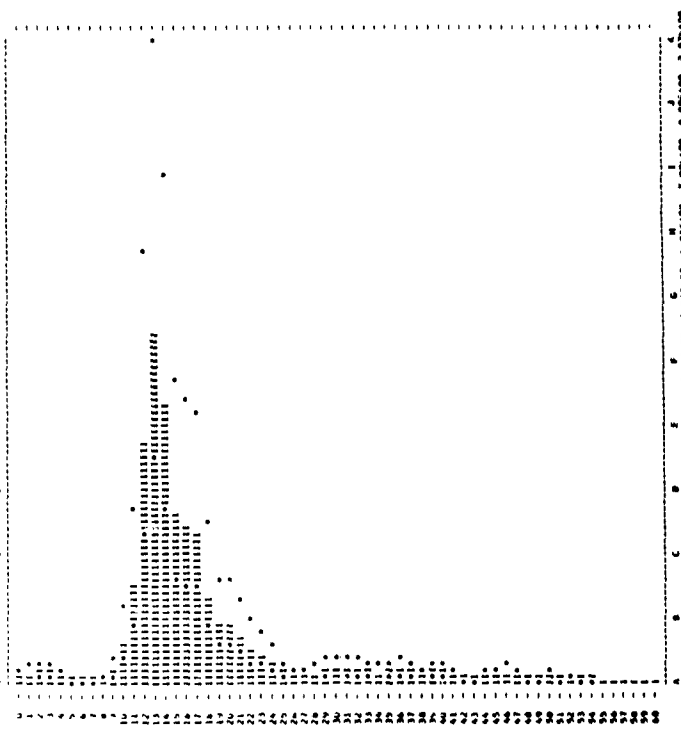


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/12/59 Av. T = 9.4 RECORD = JHR28
 HOUR = 21 SIG.MGT. = 22.8 UPPER HGT. = 25.3
 TOTAL DP = 125 CORR. VAR. = 32.5 LOWER HGT. = 20.6
 NCISE LEVEL = .0100 WIND SPEED = 0

M	PRC.	UNIT	FILTERED	-NOISE	CORR.FI.2	UPPER	LOWER
0	.000	.0932	.0932	.0823	.0823	.1517	.0524
1	.006	.1310	.1310	.1140	.1140	.1401	.0762
2	.011	.1740	.1740	.1631	.1631	.1811	.1178
3	.017	.1740	.1740	.1631	.1631	.1904	.1338
4	.024	.1296	.1296	.1187	.1187	.1376	.0742
5	.028	.0810	.0810	.0701	.0701	.0891	.0466
6	.033	.0593	.0593	.0484	.0484	.0674	.0355
7	.039	.0396	.0396	.0287	.0287	.0368	.0247
8	.044	.0381	.0381	.0272	.0272	.0353	.0232
9	.050	.1850	.1850	.1741	.1741	.1932	.1300
10	.056	.1950	.1950	.1841	.1841	.2032	.1460
11	.061	1.9224	1.9224	1.9115	1.9115	1.9306	1.9197
12	.067	1.3267	1.3267	1.3158	1.3158	1.3349	1.3240
13	.072	6.3094	6.3094	6.2985	6.2985	6.3176	6.3067
14	.078	4.0944	4.0944	4.0835	4.0835	4.1026	4.0917
15	.083	2.4045	2.4045	2.3936	2.3936	2.4127	2.4018
16	.089	2.2488	2.2488	2.2379	2.2379	2.2560	2.2451
17	.094	2.0855	2.0855	2.0746	2.0746	2.0927	2.0818
18	.100	1.1800	1.1800	1.1691	1.1691	1.1872	1.1763
19	.106	.7910	.7910	.7801	.7801	.7982	.7873
20	.111	.7450	.7450	.7341	.7341	.7522	.7413
21	.117	.5670	.5670	.5561	.5561	.5742	.5633
22	.122	.4080	.4080	.3971	.3971	.4152	.4043
23	.128	.3010	.3010	.2901	.2901	.3082	.2973
24	.133	.2180	.2180	.2071	.2071	.2252	.2143
25	.139	.1930	.1930	.1821	.1821	.1902	.1793
26	.144	.0879	.0879	.0770	.0770	.0851	.0742
27	.150	.0869	.0869	.0760	.0760	.0841	.0732
28	.156	.0831	.0831	.0722	.0722	.0803	.0694
29	.161	.1240	.1240	.1131	.1131	.1212	.1103
30	.167	.1140	.1140	.1031	.1031	.1112	.1003
31	.172	.1100	.1100	.0991	.0991	.1072	.0963
32	.178	.1070	.1070	.0961	.0961	.1042	.0933
33	.183	.0764	.0764	.0655	.0655	.0736	.0627
34	.189	.0661	.0661	.0552	.0552	.0633	.0524
35	.194	.0604	.0604	.0495	.0495	.0576	.0467
36	.200	.0714	.0714	.0605	.0605	.0686	.0577
37	.206	.0565	.0565	.0456	.0456	.0537	.0428
38	.211	.0393	.0393	.0284	.0284	.0365	.0256
39	.217	.0466	.0466	.0357	.0357	.0438	.0329
40	.222	.0473	.0473	.0364	.0364	.0445	.0336
41	.228	.0263	.0263	.0154	.0154	.0235	.0126
42	.233	.0174	.0174	.0065	.0065	.0146	.0037
43	.238	.0184	.0184	.0076	.0076	.0157	.0048
44	.244	.0209	.0209	.0109	.0109	.0190	.0081
45	.250	.0266	.0266	.0166	.0166	.0247	.0138
46	.256	.0253	.0253	.0153	.0153	.0234	.0125
47	.261	.0183	.0183	.0078	.0078	.0159	.0050
48	.267	.0164	.0164	.0052	.0052	.0133	.0024
49	.272	.0175	.0175	.0063	.0063	.0144	.0035
50	.278	.0175	.0175	.0063	.0063	.0144	.0035
51	.283	.0163	.0163	.0051	.0051	.0132	.0023
52	.289	.0121	.0121	.0027	.0027	.0100	.0011
53	.294	.0141	.0141	.0024	.0024	.0117	.0018
54	.300	.0152	.0152	.0031	.0031	.0124	.0025
55	.306	.0117	.0117	.0006	.0006	.0090	.0001
56	.311	.0089	.0089	.0003	.0003	.0066	.0000
57	.317	.0076	.0076	.0003	.0003	.0053	.0000
58	.322	.0076	.0076	.0003	.0003	.0053	.0000
59	.328	.0076	.0076	.0003	.0003	.0053	.0000
60	.333	.0044	.0044	.0003	.0003	.0030	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 26/12/59
 HOUR = 21
 TOTAL DP = 125
 SIG.MGT. = 22.8
 CORR. VAR. = 32.5
 NCISE LEVEL = .0100
 WIND SPEED = 0
 UPPER HGT. = 25.3
 LOWER HGT. = 20.6



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 AV. T. = 8.8 RECORD = JMS24
 HOURS = 3 SIG.MGT. = 20.0 UPPER MGT. = 22.1
 TOTAL OF =132 CORR. VAK. = 21.1 LOWER MGT. = 15.1
 NOISE LEVEL = .0075 WIND SPEED = 0

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0950	.0950	.0475	.0976	.0303
1	.006	.0967	.0867	.0732	.1427	.0492
2	.011	.1470	.1470	.1395	.1295	.0880
3	.017	.1360	.1360	.1285	.1285	.0810
4	.022	.0745	.0745	.0645	.0645	.0426
5	.028	.0561	.0561	.0486	.0486	.0310
6	.033	.0364	.0364	.0289	.0436	.0290
7	.039	.0139	.0139	.0064	.0120	.0050
8	.044	.0190	.0180	.0105	.0125	.0050
9	.050	.0223	.0223	.0248	.0276	.0179
10	.056	.0603	.0603	.0600	.0850	.0507
11	.061	.0711	.0711	.0690	.0840	.0729
12	.067	2.1959	2.1959	2.1480	2.2032	4.0820
13	.072	3.3000	3.3000	3.2533	3.2760	6.2379
14	.078	3.0437	3.0437	3.0262	3.1425	5.7821
15	.083	2.7461	2.7461	2.7386	2.8794	5.3072
16	.089	2.2873	2.2873	2.2803	2.4087	4.4400
17	.094	1.8400	1.8400	1.8325	1.7131	3.1574
18	.100	.9630	.9630	.9555	1.0078	2.9069
19	.106	.6070	.6070	.5995	.7077	3.3045
20	.111	.5650	.5650	.5575	.6846	1.2619
21	.117	.5360	.5360	.5285	.6776	1.2486
22	.122	.3750	.3750	.3685	.4907	.9064
23	.128	.2110	.2110	.2035	.2871	.5291
24	.133	.2110	.2110	.2035	.3027	.5570
25	.139	.2190	.2190	.2115	.3128	.6133
26	.144	.1820	.1820	.1745	.2912	.5367
27	.150	.1480	.1480	.1405	.2492	.4596
28	.156	.1190	.1190	.1115	.1843	.3470
29	.161	.0765	.0765	.0690	.1396	.2574
30	.167	.0551	.0551	.0476	.1034	.1905
31	.172	.0433	.0433	.0358	.0836	.0832
32	.178	.0482	.0482	.0407	.1529	.2817
33	.183	.0567	.0567	.0492	.2425	.4470
34	.189	.0748	.0748	.0673	.1485	.2458
35	.194	.0449	.0449	.0374	.1198	.2209
36	.200	.0378	.0378	.0303	.1058	.1951
37	.206	.0270	.0270	.0195	.0744	.1371
38	.211	.0270	.0270	.0195	.0815	.1502
39	.217	.0336	.0336	.0261	.1117	.2201
40	.224	.0310	.0310	.0235	.1181	.2127
41	.228	.0264	.0264	.0189	.1147	.2115
42	.233	.0275	.0275	.0200	.1267	.2290
43	.239	.0294	.0294	.0219	.1398	.2578
44	.244	.0256	.0256	.0179	.1340	.2506
45	.250	.0210	.0210	.0136	.1130	.2110
46	.256	.0167	.0167	.0094	.0914	.1685
47	.261	.0142	.0142	.0071	.0748	.1374
48	.267	.0129	.0129	.0058	.0651	.1200
49	.272	.0116	.0116	.0045	.0539	.0993
50	.278	.0098	.0098	.0021	.0314	.0578
51	.283	.0070	.0070	.0004	.0025	.0025
52	.289	.0064	.0064	.0000	.0000	.0000
53	.294	.0085	.0077	.0003	.0062	.0114
54	.300	.0056	.0052	.0000	.0000	.0000
55	.306	.0053	.0057	.0000	.0000	.0000
56	.311	.0048	.0053	.0000	.0000	.0000
57	.317	.0042	.0048	.0000	.0000	.0000
58	.322	.0042	.0048	.0011	.0490	.0904
59	.328	.0049	.0049	.0020	.0491	.1024
60	.333	.0040	.0049	.0019	.1117	.2059

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

JMS29

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 AV. T. = 8.8 RECORD = JMS30
 HOURS = 3 SIG.MGT. = 21.0 UPPER MGT. = 23.0
 TOTAL OF =136 CORR. VAK. = 21.1 LOWER MGT. = 14.5
 NOISE LEVEL = .0109 WIND SPEED = 0

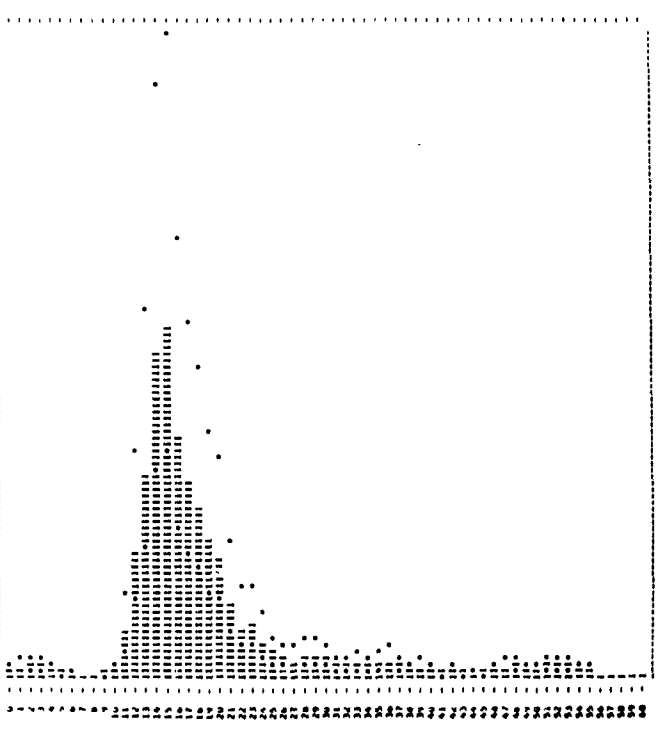
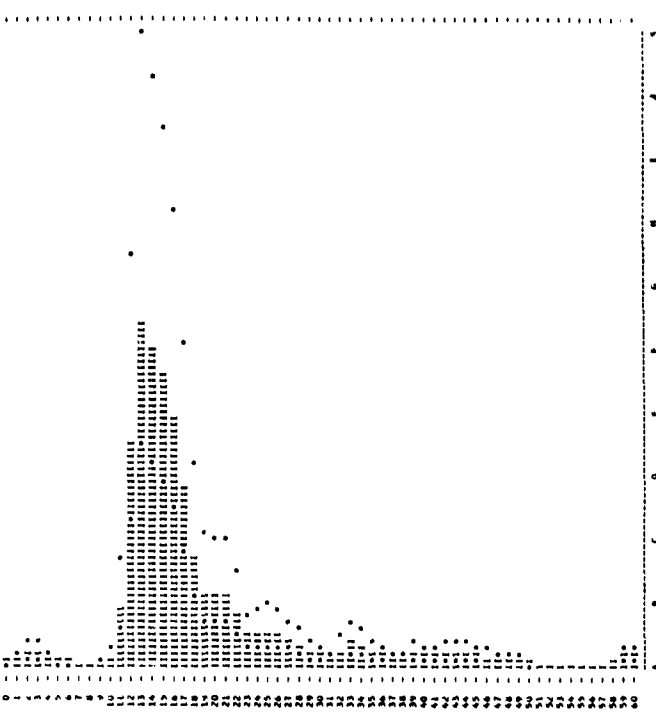
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.1090	.1090	.0981	.0981	.1809
1	.006	.1140	.1140	.1051	.1051	.1938
2	.011	.1360	.1360	.1231	.1231	.2270
3	.017	.1500	.1500	.1381	.1381	.2594
4	.022	.1080	.1080	.0971	.0971	.1791
5	.028	.0532	.0532	.0423	.0423	.0781
6	.033	.0301	.0301	.0211	.0211	.0359
7	.039	.0220	.0220	.0111	.0111	.0273
8	.044	.0240	.0240	.0131	.0131	.0289
9	.050	.0475	.0475	.0475	.0475	.0750
10	.056	.0799	.0799	.0690	.0734	.1393
11	.061	.5047	.5047	.4988	.5174	.9339
12	.067	1.3945	1.3945	1.3876	1.4233	2.4254
13	.072	2.2950	2.2950	2.2841	2.3435	4.3195
14	.078	3.6648	3.6648	3.6389	3.6693	6.9619
15	.083	3.9004	3.9004	3.8993	4.0895	7.3375
16	.089	2.6133	2.6133	2.6024	2.7472	5.1003
17	.094	2.0662	2.0662	2.0553	2.2679	4.1800
18	.100	1.7527	1.7527	1.7418	1.9229	3.4548
19	.106	1.3227	1.3227	1.3113	1.5490	2.8533
20	.111	1.1400	1.1400	1.1291	1.3866	2.5557
21	.117	.8700	.8700	.8591	1.0448	1.5511
22	.122	.6740	.6740	.6631	.8546	1.0222
23	.128	.4170	.4170	.4061	.5729	1.0559
24	.133	.2890	.2890	.2781	.4136	.7624
25	.139	.1790	.1790	.1681	.2645	.4875
26	.144	.1320	.1320	.1211	.2021	.3725
27	.150	.1140	.1140	.1031	.1865	.3457
28	.156	.1360	.1360	.1251	.2330	.4294
29	.161	.1370	.1370	.1261	.2552	.4703
30	.167	.1016	.1016	.0907	.1957	.3608
31	.172	.0645	.0645	.0536	.1204	.2220
32	.178	.0574	.0574	.0465	.1172	.2130
33	.183	.0672	.0672	.0563	.1532	.2823
34	.189	.0555	.0555	.0446	.1316	.2426
35	.194	.0590	.0590	.0481	.1310	.2762
36	.200	.0644	.0644	.0535	.1469	.3046
37	.206	.0622	.0622	.0513	.1194	.2201
38	.211	.0316	.0316	.0207	.0865	.1595
39	.217	.0333	.0333	.0224	.1029	.1846
40	.222	.0230	.0230	.0121	.0665	.1263
41	.228	.0185	.0185	.0076	.0574	.1058
42	.233	.0247	.0247	.0138	.0666	.1227
43	.239	.0188	.0188	.0079	.0534	.0985
44	.244	.0124	.0124	.0063	.0326	.0601
45	.250	.0176	.0176	.0056	.0486	.0801
46	.256	.0186	.0186	.0070	.0748	.1279
47	.261	.0200	.0200	.0099	.1044	.1725
48	.267	.0225	.0225	.0097	.1158	.2156
49	.272	.0165	.0165	.0072	.0962	.1717
50	.278	.0167	.0173	.0069	.0976	.1800
51	.283	.0194	.0199	.0071	.1215	.2290
52	.289	.0184	.0184	.0082	.1208	.2219
53	.294	.0162	.0160	.0052	.1144	.2108
54	.300	.0194	.0149	.0040	.1015	.1871
55	.306	.0126	.0126	.0051	.1114	.2092
56	.311	.0114	.0107	.0050	.0900	.1600
57	.317	.0073	.0075	.0050	.0800	.1600
58	.322	.0060	.0067	.0050	.0800	.1600
59	.328	.0034	.0034	.0050	.0800	.1600
60	.333	.0036	.0032	.0050	.0800	.1600

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

JMS33

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/12/59 AV. T. = 8.8 RECORD = JMS30
 HOURS = 3 SIG.MGT. = 21.0 UPPER MGT. = 23.0
 TOTAL OF =136 CORR. VAK. = 21.1 LOWER MGT. = 14.5
 NOISE LEVEL = .0109 WIND SPEED = 0

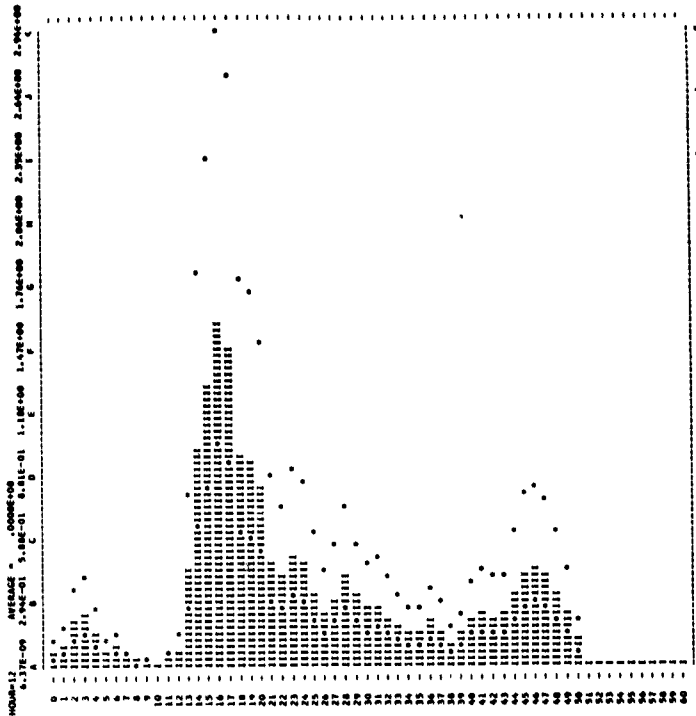


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/11/56 AV. T = 6.7 RECORD = JHC001
 HOUR = 12 SIG. HGT. = 17.0 UPPER HGT. = 18.2
 TOTAL OF 303 CORR. VAL. = 15.0 LOWER HGT. = 15.8
 NOISE LEVEL = .0090 WIND SPEED = 3

N	PRE. UNIT FT. 2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER	
0	.000	.0732	-.0732	.0036	.0036	.1172	.0405
1	.000	.1114	-.1114	.1018	.1018	.1876	.0642
2	.011	.2707	-.2707	.2513	.2513	.4109	.1113
3	.017	.2313	-.2313	.2217	.2217	.4009	.1013
4	.022	.1079	-.1079	.1376	.1376	.2532	.0479
5	.028	.0796	-.0796	.0700	.0700	.1799	.0406
6	.033	.0602	-.0602	.0506	.0506	.1500	.0329
7	.039	.0342	-.0342	.0246	.0246	.0730	.0213
8	.046	.0217	-.0217	.0121	.0121	.0429	.0127
9	.050	.0201	-.0201	.0105	.0105	.0327	.0078
10	.056	.0199	-.0199	.0013	.0014	.0027	.0000
11	.061	.0157	-.0157	.0011	.0012	.0027	.0107
12	.067	.0737	-.0737	.0641	.0641	.1337	.0403
13	.072	.3788	-.3788	.3492	.3492	.6208	.1857
14	.078	.0662	-.0662	.0566	.0566	.1403	.0213
15	.083	1.0821	-1.0821	1.0425	1.0427	2.3641	.0167
16	.089	1.2907	-1.2907	1.2411	1.2412	2.9182	.0131
17	.096	1.1038	-1.1038	1.0565	1.0565	2.1776	.0423
18	.100	.6926	-.6926	.6472	.6472	1.7072	.0299
19	.106	.0272	-.0272	.0176	.0176	.1796	.0076
20	.111	.3126	-.3126	.2932	.2932	1.3908	.0201
21	.117	.2799	-.2799	.2703	.2703	.4715	.0302
22	.122	.0246	-.0246	.0150	.0150	.0461	.0017
23	.128	.2548	-.2548	.2354	.2354	.6005	.0225
24	.133	.2200	-.2200	.2104	.2104	.4479	.0324
25	.139	.0465	-.0465	.0369	.0369	.1612	.0122
26	.144	.0991	-.0991	.0895	.0895	.2116	.0225
27	.150	.1117	-.1117	.1021	.1021	.3013	.0324
28	.156	.1333	-.1333	.1237	.1237	.4067	.0423
29	.161	.0944	-.0944	.0848	.0848	.3007	.0324
30	.167	.0711	-.0711	.0615	.0615	.2903	.0413
31	.172	.0600	-.0600	.0504	.0504	.2710	.0324
32	.178	.0518	-.0518	.0422	.0422	.1711	.0402
33	.183	.0409	-.0409	.0313	.0313	.1819	.0324
34	.189	.0314	-.0314	.0217	.0217	.1440	.0225
35	.194	.0281	-.0281	.0195	.0195	.1440	.0205
36	.200	.0322	-.0322	.0226	.0226	.1948	.0324
37	.206	.0259	-.0259	.0163	.0163	.1413	.0225
38	.211	.0183	-.0183	.0087	.0087	.1029	.0122
39	.217	.0194	-.0194	.0100	.0100	.1323	.0230
40	.222	.0246	-.0246	.0136	.0136	.1537	.0324
41	.228	.0232	-.0232	.0136	.0136	.2452	.0423
42	.233	.0192	-.0192	.0103	.0103	.2170	.0414
43	.239	.0168	-.0168	.0080	.0080	.2240	.0324
44	.244	.0218	-.0218	.0112	.0112	.3278	.0423
45	.250	.0244	-.0244	.0127	.0127	.4293	.0522
46	.256	.0200	-.0200	.0108	.0108	.4473	.0621
47	.261	.0189	-.0189	.0094	.0094	.4103	.0710
48	.267	.0145	-.0145	.0094	.0094	.3310	.0810
49	.272	.0124	-.0124	.0073	.0073	.2737	.0910
50	.278	.0115	-.0115	.0062	.0062	.1943	.1010
51	.283	.0075	-.0075	.0060	.0060	.0000	.0000
52	.289	.0086	-.0086	.0060	.0060	.0000	.0000
53	.294	.0086	-.0086	.0060	.0060	.0000	.0000
54	.300	.0101	-.0101	.0012	.0012	.0023	.0008
55	.306	.0147	-.0147	.0013	.0013	.0036	.0012
56	.311	.0128	-.0128	.0023	.0023	.0047	.0016
57	.317	.0084	-.0084	.0000	.0000	.0000	.0000
58	.322	.0048	-.0048	.0000	.0000	.0000	.0000
59	.328	.0083	-.0083	.0000	.0000	.0000	.0000
60	.333	.0098	-.0098	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

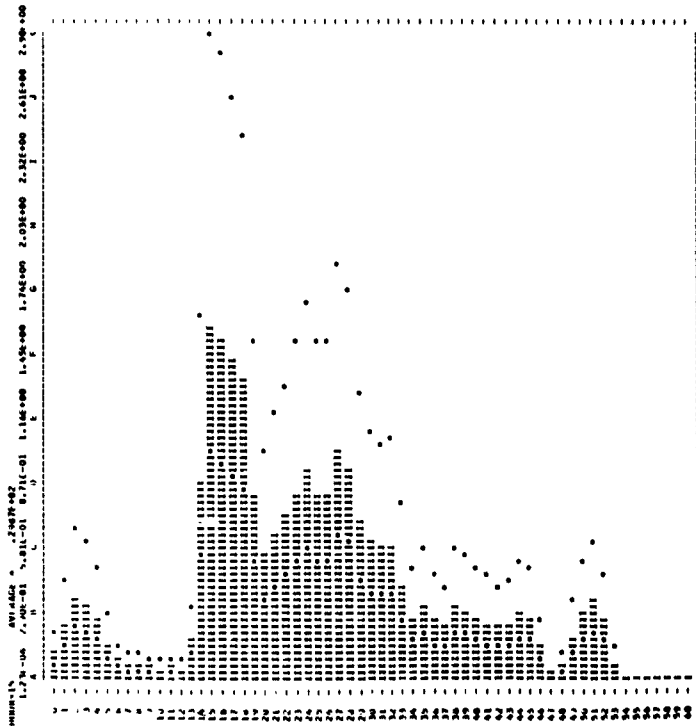


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 23/11/56 AV. T = 6.7 RECORD = JHC002
 HOUR = 15 SIG. HGT. = 19.7 UPPER HGT. = 21.0
 TOTAL OF 303 CORR. VAL. = 24.2 LOWER HGT. = 18.4
 NOISE LEVEL = .0070 WIND SPEED = 30

N	PRE. UNIT FT. 2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER	
0	.000	.1172	-.1172	.1103	.1103	.2032	.0702
1	.006	.2466	-.2466	.2376	.2376	.4416	.1526
2	.011	.3667	-.3667	.3577	.3577	.6629	.2290
3	.017	.3323	-.3323	.3233	.3233	.5999	.2073
4	.022	.2793	-.2793	.2693	.2693	.4965	.1708
5	.028	.1587	-.1587	.1518	.1518	.2797	.0966
6	.033	.0985	-.0985	.0915	.0915	.1734	.0530
7	.039	.0519	-.0519	.0440	.0440	.1114	.0385
8	.046	.0402	-.0402	.0333	.0333	.1223	.0422
9	.050	.0913	-.0913	.0843	.0843	.0959	.0331
10	.056	.0426	-.0426	.0356	.0356	.0746	.0257
11	.061	.0479	-.0479	.0409	.0409	.0843	.0291
12	.067	.0436	-.0436	.0366	.0366	.0766	.0265
13	.072	.1615	-.1615	.1545	.1545	.1784	.0386
14	.078	.7637	-.7637	.7347	.7347	.8745	.1619
15	.083	1.2873	-1.2873	1.2403	1.2403	2.9039	.1603
16	.089	1.1924	-1.1924	1.1454	1.1454	2.8064	.0489
17	.096	1.0613	-.0613	1.0143	1.0143	2.6242	.0466
18	.100	.9325	-.9325	.8855	.8855	2.4395	.0443
19	.106	.8036	-.8036	.7566	.7566	2.2548	.0420
20	.111	.6747	-.6747	.6277	.6277	2.0701	.0397
21	.117	.5458	-.5458	.4988	.4988	1.8854	.0374
22	.122	.4169	-.4169	.3699	.3699	1.7007	.0351
23	.128	.2880	-.2880	.2390	.2390	1.5160	.0328
24	.133	.1591	-.1591	.1101	.1101	.1012	.0305
25	.139	.0302	-.0302	.0212	.0212	.0324	.0282
26	.144	.0302	-.0302	.0212	.0212	.0324	.0282
27	.150	.0302	-.0302	.0212	.0212	.0324	.0282
28	.156	.0302	-.0302	.0212	.0212	.0324	.0282
29	.161	.0302	-.0302	.0212	.0212	.0324	.0282
30	.167	.0302	-.0302	.0212	.0212	.0324	.0282
31	.172	.0302	-.0302	.0212	.0212	.0324	.0282
32	.178	.0302	-.0302	.0212	.0212	.0324	.0282
33	.183	.0302	-.0302	.0212	.0212	.0324	.0282
34	.189	.0302	-.0302	.0212	.0212	.0324	.0282
35	.194	.0302	-.0302	.0212	.0212	.0324	.0282
36	.200	.0302	-.0302	.0212	.0212	.0324	.0282
37	.206	.0302	-.0302	.0212	.0212	.0324	.0282
38	.211	.0302	-.0302	.0212	.0212	.0324	.0282
39	.217	.0302	-.0302	.0212	.0212	.0324	.0282
40	.222	.0302	-.0302	.0212	.0212	.0324	.0282
41	.228	.0302	-.0302	.0212	.0212	.0324	.0282
42	.233	.0302	-.0302	.0212	.0212	.0324	.0282
43	.239	.0302	-.0302	.0212	.0212	.0324	.0282
44	.244	.0302	-.0302	.0212	.0212	.0324	.0282
45	.250	.0302	-.0302	.0212	.0212	.0324	.0282
46	.256	.0302	-.0302	.0212	.0212	.0324	.0282
47	.261	.0302	-.0302	.0212	.0212	.0324	.0282
48	.267	.0302	-.0302	.0212	.0212	.0324	.0282
49	.272	.0302	-.0302	.0212	.0212	.0324	.0282
50	.278	.0302	-.0302	.0212	.0212	.0324	.0282
51	.283	.0302	-.0302	.0212	.0212	.0324	.0282
52	.289	.0302	-.0302	.0212	.0212	.0324	.0282
53	.294	.0302	-.0302	.0212	.0212	.0324	.0282
54	.300	.0302	-.0302	.0212	.0212	.0324	.0282
55	.306	.0302	-.0302	.0212	.0212	.0324	.0282
56	.311	.0302	-.0302	.0212	.0212	.0324	.0282
57	.317	.0302	-.0302	.0212	.0212	.0324	.0282
58	.322	.0302	-.0302	.0212	.0212	.0324	.0282
59	.328	.0302	-.0302	.0212	.0212	.0324	.0282
60	.333	.0302	-.0302	.0212	.0212	.0324	.0282

HINDCASTING SPECTRA COMPUTED JAN. 1963

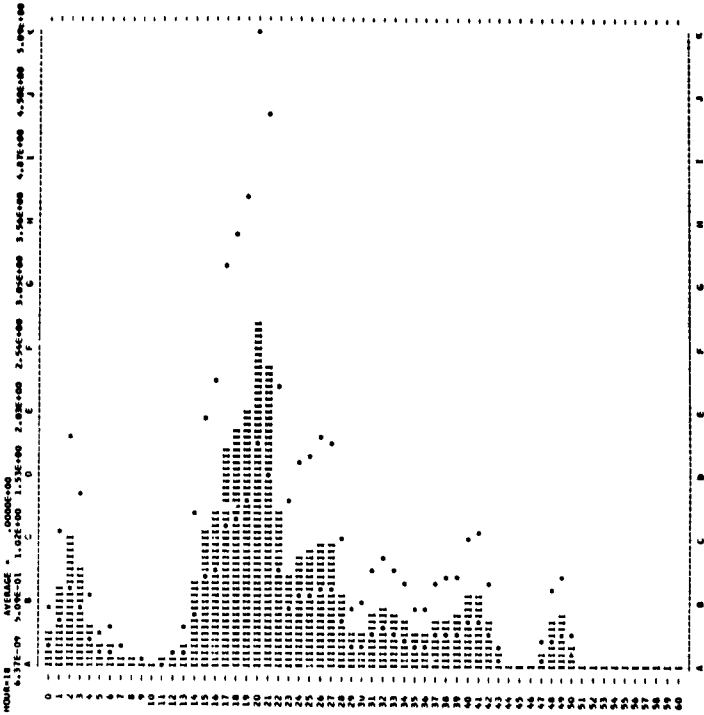


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/11/56 Av. T = 7.3 RECORD = JMC003
 HOUR = 18 SIG.MGT. = 21.9 UPPER MGT. = 23.6
 TOTAL OF #230 CORR. VAR. = 30.0 LOWER MGT. = 20.3
 NOISE LEVEL = .0147 WIND SPEED = 40

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.2629	.2629	.2482	.4576	.1980
1	.0000	.4050	.4050	.3911	.6804	.2764
2	.011	1.0075	1.0075	.9920	1.6296	.6321
3	.017	.7844	.7844	.7419	1.3674	.4724
4	.022	.6173	.6173	.5751	1.1448	.3882
5	.028	.5167	.5167	.4840	.9513	.3197
6	.033	.4409	.4409	.4182	.7984	.2689
7	.038	.3840	.3840	.3613	.6794	.2284
8	.044	.3429	.3429	.3202	.5884	.1948
9	.050	.3129	.3129	.2902	.5214	.1708
10	.056	.2884	.2884	.2657	.4684	.1508
11	.061	.2684	.2684	.2457	.4284	.1348
12	.067	.2529	.2529	.2302	.3984	.1218
13	.072	.2409	.2409	.2182	.3744	.1108
14	.078	.2314	.2314	.2087	.3544	.1018
15	.083	.2244	.2244	.2017	.3384	.0948
16	.089	.2189	.2189	.1952	.3244	.0884
17	.094	.2144	.2144	.1892	.3124	.0824
18	.100	1.3249	1.3249	1.3098	1.8699	3.4444
19	.106	1.3403	1.3403	1.3252	2.0443	3.7400
20	.111	1.7140	1.7140	1.6989	2.7998	5.0867
21	.117	1.3941	1.3941	1.3790	2.0662	4.4349
22	.122	.8599	.8599	.8448	1.2147	2.2289
23	.128	.6800	.6800	.6649	.9212	1.5292
24	.133	.5618	.5618	.5467	.7632	1.2874
25	.139	.4784	.4784	.4633	.6484	1.0874
26	.144	.4189	.4189	.4038	.5684	.9484
27	.150	.3744	.3744	.3593	.4984	.8284
28	.156	.3384	.3384	.3233	.4384	.7284
29	.161	.3084	.3084	.2933	.3884	.6484
30	.167	.2844	.2844	.2693	.3484	.5784
31	.172	.2644	.2644	.2493	.3184	.5184
32	.178	.2484	.2484	.2333	.2984	.4684
33	.183	.2344	.2344	.2193	.2784	.4284
34	.189	.2214	.2214	.2063	.2584	.3884
35	.194	.2084	.2084	.1933	.2384	.3484
36	.200	.1984	.1984	.1833	.2184	.3084
37	.206	.1884	.1884	.1733	.1984	.2684
38	.211	.1784	.1784	.1633	.1784	.2284
39	.217	.1684	.1684	.1533	.1584	.1884
40	.222	.1584	.1584	.1433	.1384	.1484
41	.228	.1484	.1484	.1333	.1184	.1084
42	.233	.1384	.1384	.1233	.1084	.0984
43	.239	.1284	.1284	.1133	.0884	.0784
44	.244	.1184	.1184	.1033	.0684	.0584
45	.250	.1084	.1084	.0933	.0484	.0384
46	.256	.0984	.0984	.0833	.0284	.0184
47	.261	.0884	.0884	.0733	.0184	.0084
48	.267	.0784	.0784	.0633	.0084	.0000
49	.272	.0684	.0684	.0533	.0000	.0000
50	.278	.0584	.0584	.0433	.0000	.0000
51	.283	.0484	.0484	.0333	.0000	.0000
52	.289	.0384	.0384	.0233	.0000	.0000
53	.294	.0284	.0284	.0133	.0000	.0000
54	.300	.0184	.0184	.0033	.0000	.0000
55	.306	.0084	.0084	.0000	.0000	.0000
56	.311	.0000	.0000	.0000	.0000	.0000
57	.317	.0000	.0000	.0000	.0000	.0000
58	.322	.0000	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000
60	.333	.0000	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

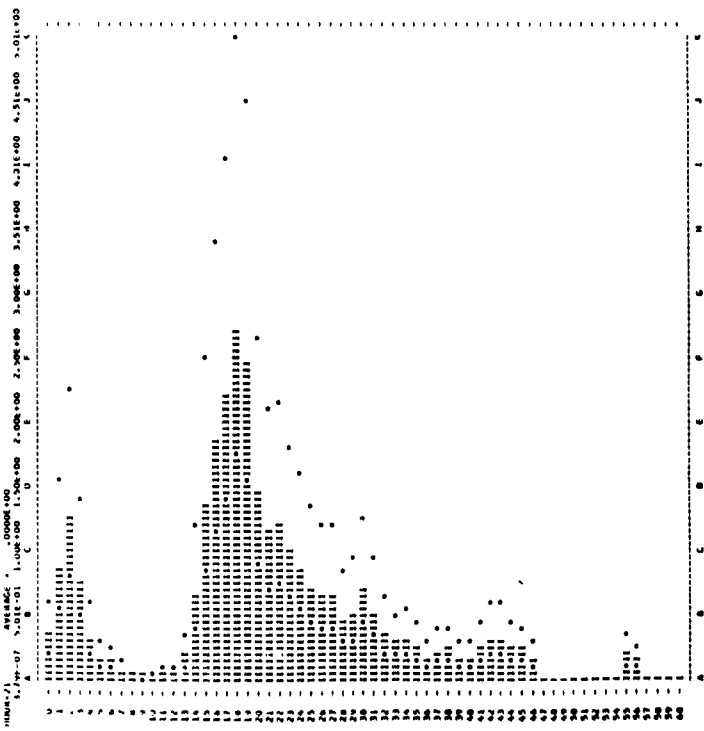


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/11/56 Av. T = 7.7 RECORD = JMC004
 HOUR = 21 SIG.MGT. = 21.8 UPPER MGT. = 23.3
 TOTAL OF #230 CORR. VAR. = 29.2 LOWER MGT. = 20.0
 NOISE LEVEL = .0128 WIND SPEED = 40

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3450	.3450	.3322	.4122	.2115
1	.004	.4851	.4851	.4722	.5504	.2999
2	.011	1.2450	1.2450	1.2322	1.2322	2.2711
3	.017	.7752	.7752	.7624	.7624	1.4052
4	.022	.6253	.6253	.6125	.6125	1.1579
5	.028	.5157	.5157	.5029	.5029	.9101
6	.033	.4309	.4309	.4181	.4181	.7624
7	.038	.3643	.3643	.3515	.3515	.6349
8	.044	.3141	.3141	.3013	.3013	.5274
9	.050	.2744	.2744	.2616	.2616	.4399
10	.056	.2444	.2444	.2316	.2316	.3624
11	.061	.2244	.2244	.2116	.2116	.2949
12	.067	.2084	.2084	.1956	.1956	.2374
13	.072	.1944	.1944	.1816	.1816	.1899
14	.078	.1814	.1814	.1686	.1686	.1424
15	.083	1.1099	1.1099	1.0971	1.3488	2.4879
16	.089	1.4483	1.4483	1.4355	1.6839	3.3883
17	.094	1.6440	1.6440	1.6312	2.2027	4.0600
18	.100	1.9157	1.9157	1.9029	2.7187	5.0073
19	.106	1.6258	1.6258	1.6130	2.4508	4.3168
20	.111	.8935	.8935	.8807	1.4303	2.4362
21	.117	.6597	.6597	.6469	1.1284	2.0798
22	.122	.5399	.5399	.5271	.9108	1.7161
23	.128	.4544	.4544	.4416	.7672	1.4516
24	.133	.3979	.3979	.3851	.6563	1.2387
25	.139	.3544	.3544	.3416	.5684	1.0674
26	.144	.3214	.3214	.3086	.4984	.9199
27	.150	.2944	.2944	.2816	.4384	.7874
28	.156	.2714	.2714	.2586	.3884	.6674
29	.161	.2514	.2514	.2386	.3484	.5574
30	.167	.2344	.2344	.2216	.3184	.4574
31	.172	.2184	.2184	.2056	.2884	.3674
32	.178	.2044	.2044	.1916	.2584	.2874
33	.183	.1914	.1914	.1786	.2284	.2174
34	.189	.1784	.1784	.1656	.1984	.1574
35	.194	.1684	.1684	.1556	.1684	.1174
36	.200	.1584	.1584	.1456	.1384	.0874
37	.206	.1484	.1484	.1356	.1084	.0574
38	.211	.1384	.1384	.1256	.0784	.0274
39	.217	.1284	.1284	.1156	.0484	.0074
40	.222	.1184	.1184	.1056	.0184	.0000
41	.228	.1084	.1084	.0956	.0084	.0000
42	.233	.0984	.0984	.0856	.0000	.0000
43	.239	.0884	.0884	.0756	.0000	.0000
44	.244	.0784	.0784	.0656	.0000	.0000
45	.250	.0684	.0684	.0556	.0000	.0000
46	.256	.0584	.0584	.0456	.0000	.0000
47	.261	.0484	.0484	.0356	.0000	.0000
48	.267	.0384	.0384	.0256	.0000	.0000
49	.272	.0284	.0284	.0156	.0000	.0000
50	.278	.0184	.0184	.0056	.0000	.0000
51	.283	.0084	.0084	.0000	.0000	.0000
52	.289	.0000	.0000	.0000	.0000	.0000
53	.294	.0000	.0000	.0000	.0000	.0000
54	.300	.0000	.0000	.0000	.0000	.0000
55	.306	.0000	.0000	.0000	.0000	.0000
56	.311	.0000	.0000	.0000	.0000	.0000
57	.317	.0000	.0000	.0000	.0000	.0000
58	.322	.0000	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000
60	.333	.0000	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

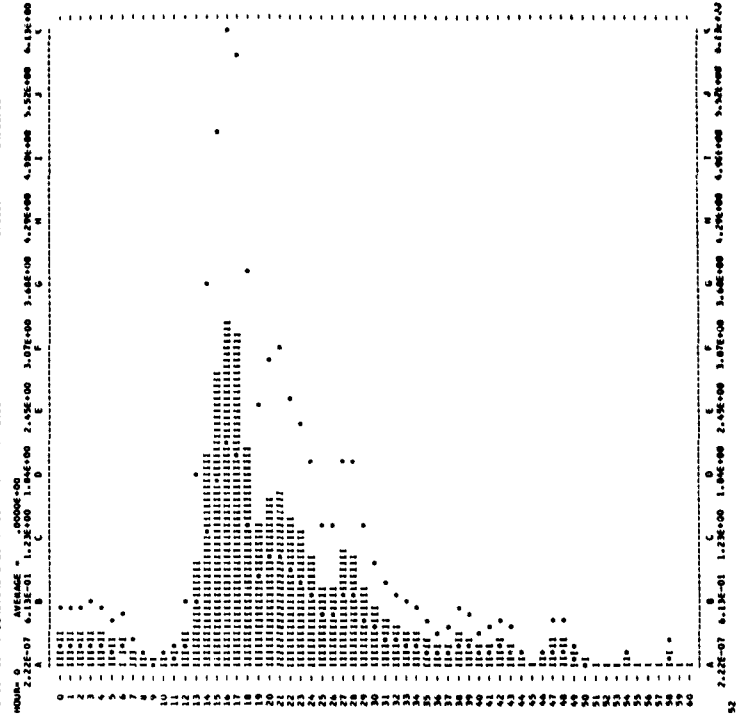


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/11/56 AV. T = 7.9 RECORD = JMC009
 HOUR = 0 SIG. HGT. = 23.5 UPPER HGT. = 25.0
 TOTAL OF = 213 CORR. VAL. = 24.7 LOWER HGT. = 21.8
 NOISE LEVEL = .0104 WIND SPEED = 40

N	PRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3114	.3114	.3010	.3010	.1916
1	.006	.3092	.3092	.2986	.2986	.1882
2	.012	.3212	.3212	.3110	.3110	.1956
3	.017	.3459	.3459	.3355	.3355	.2136
4	.022	.3127	.3127	.3023	.3023	.1925
5	.028	.3276	.3276	.3172	.3172	.2015
6	.033	.1706	.1706	.1602	.1602	.1040
7	.039	.1160	.1160	.1056	.1056	.0691
8	.046	.0665	.0665	.0561	.0561	.0231
9	.050	.0427	.0427	.0323	.0323	.0098
10	.056	.0625	.0625	.0521	.0521	.0194
11	.062	.0905	.0905	.0801	.0801	.0278
12	.067	.2011	.2011	.2007	.2007	.0207
13	.072	.0703	.0703	.0699	.0699	.0038
14	.078	1.7009	1.7009	1.6999	1.6999	1.2777
15	.083	2.2913	2.2913	2.2811	2.2811	1.7871
16	.089	2.6000	2.6000	2.5900	2.5900	2.0396
17	.096	2.1825	2.1825	2.1721	2.1721	1.6432
18	.100	1.4649	1.4649	1.4545	1.4545	1.1227
19	.106	.9027	.9027	.8923	.8923	.6652
20	.111	.9824	.9824	.9720	.9720	.7075
21	.117	.9612	.9612	.9508	.9508	.6960
22	.122	.7523	.7523	.7419	.7419	.5394
23	.128	.4316	.4316	.4212	.4212	.2975
24	.133	.4903	.4903	.4799	.4799	.3476
25	.139	.3098	.3098	.3000	.3000	.2043
26	.144	.2953	.2953	.2859	.2859	.1984
27	.150	.3740	.3740	.3636	.3636	.2634
28	.156	.3360	.3360	.3256	.3256	.2264
29	.161	.2075	.2075	.1971	.1971	.1449
30	.167	.1611	.1611	.1507	.1507	.1087
31	.172	.1172	.1172	.1068	.1068	.0764
32	.178	.0786	.0786	.0682	.0682	.0499
33	.183	.0666	.0666	.0562	.0562	.0401
34	.189	.0400	.0400	.0296	.0296	.0210
35	.194	.0407	.0407	.0303	.0303	.0215
36	.200	.0304	.0304	.0200	.0200	.0147
37	.206	.0266	.0266	.0162	.0162	.0110
38	.211	.0332	.0332	.0228	.0228	.0165
39	.217	.0310	.0310	.0206	.0206	.0147
40	.222	.0240	.0240	.0136	.0136	.0098
41	.228	.0197	.0197	.0093	.0093	.0069
42	.233	.0250	.0250	.0146	.0146	.0104
43	.239	.0189	.0189	.0085	.0085	.0063
44	.244	.0114	.0114	.0051	.0051	.0038
45	.250	.0069	.0069	.0035	.0035	.0026
46	.256	.0046	.0046	.0022	.0022	.0016
47	.261	.0167	.0167	.0085	.0085	.0063
48	.267	.0168	.0168	.0085	.0085	.0063
49	.272	.0112	.0112	.0057	.0057	.0043
50	.278	.0113	.0113	.0057	.0057	.0043
51	.283	.0102	.0102	.0050	.0050	.0038
52	.289	.0090	.0090	.0040	.0040	.0030
53	.294	.0099	.0099	.0050	.0050	.0038
54	.300	.0118	.0118	.0063	.0063	.0047
55	.306	.0093	.0093	.0050	.0050	.0038
56	.311	.0089	.0089	.0050	.0050	.0038
57	.317	.0102	.0102	.0060	.0060	.0045
58	.322	.0076	.0076	.0042	.0042	.0031
59	.328	.0122	.0122	.0068	.0068	.0051
60	.333	.0142	.0142	.0098	.0098	.0071

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

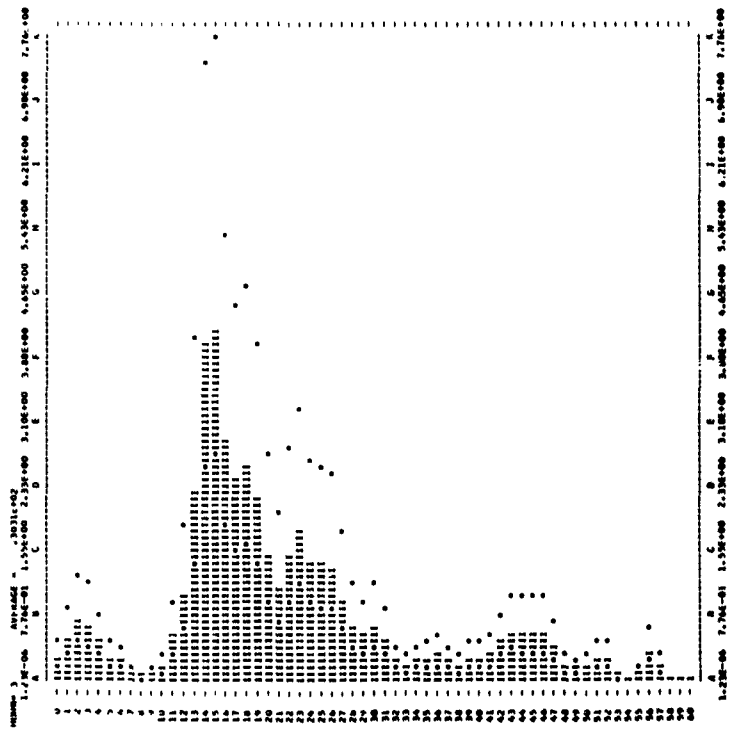


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 24/11/56 AV. T = 7.4 RECORD = JMC006
 HOUR = 0 SIG. HGT. = 27.7 UPPER HGT. = 29.1
 TOTAL OF = 230 CORR. VAL. = 45.4 LOWER HGT. = 25.1
 NOISE LEVEL = .0076 WIND SPEED = 40

N	PRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.006	.2672	.2672	.2595	.2595	.1653
1	.006	.4782	.4782	.4706	.4706	.2997
2	.011	.6916	.6916	.6839	.6839	.4355
3	.017	.6193	.6193	.6117	.6117	.3895
4	.022	.6378	.6378	.6302	.6302	.4136
5	.028	.2536	.2536	.2459	.2459	.1566
6	.033	.1371	.1371	.1295	.1295	.0832
7	.039	.0700	.0700	.0624	.0624	.0394
8	.044	.0355	.0355	.0279	.0279	.0179
9	.050	.0763	.0763	.0687	.0687	.0446
10	.056	.1353	.1353	.1277	.1277	.0832
11	.061	.4683	.4683	.4607	.4607	.2912
12	.067	.8886	.8886	.8810	.8810	.5631
13	.072	1.9301	1.9301	1.9225	1.9225	1.2433
14	.078	3.4203	3.4203	3.4127	3.4127	2.1793
15	.083	3.4261	3.4261	3.4185	3.4185	2.1793
16	.089	2.2681	2.2681	2.2605	2.2605	1.4498
17	.094	1.8097	1.8097	1.8021	1.8021	1.1496
18	.100	1.8097	1.8097	1.8021	1.8021	1.1496
19	.106	1.4667	1.4667	1.4591	1.4591	.9327
20	.111	.9095	.9095	.9019	.9019	.5827
21	.117	.6317	.6317	.6241	.6241	.4027
22	.122	.8095	.8095	.8019	.8019	.5227
23	.128	.8827	.8827	.8751	.8751	.5627
24	.133	.6443	.6443	.6367	.6367	.4127
25	.139	.5000	.5000	.4924	.4924	.3227
26	.144	.5100	.5100	.5024	.5024	.3227
27	.150	.3320	.3320	.3244	.3244	.2127
28	.156	.2066	.2066	.1990	.1990	.1327
29	.161	.1306	.1306	.1230	.1230	.0827
30	.167	.1190	.1190	.1114	.1114	.0727
31	.172	.1113	.1113	.1037	.1037	.0677
32	.178	.0457	.0457	.0381	.0381	.0247
33	.183	.0361	.0361	.0285	.0285	.0197
34	.189	.0410	.0410	.0334	.0334	.0227
35	.194	.0414	.0414	.0338	.0338	.0227
36	.200	.0409	.0409	.0333	.0333	.0222
37	.206	.0300	.0300	.0224	.0224	.0152
38	.211	.0220	.0220	.0144	.0144	.0092
39	.217	.0260	.0260	.0184	.0184	.0122
40	.222	.0170	.0170	.0094	.0094	.0062
41	.228	.0211	.0211	.0131	.0131	.0082
42	.233	.0296	.0296	.0210	.0210	.0132
43	.239	.0323	.0323	.0237	.0237	.0152
44	.244	.0294	.0294	.0208	.0208	.0132
45	.250	.0224	.0224	.0138	.0138	.0092
46	.256	.0246	.0246	.0160	.0160	.0102
47	.261	.0192	.0192	.0116	.0116	.0072
48	.267	.0191	.0191	.0115	.0115	.0072
49	.272	.0100	.0100	.0052	.0052	.0032
50	.278	.0100	.0100	.0052	.0052	.0032
51	.283	.0101	.0101	.0053	.0053	.0033
52	.289	.0103	.0103	.0055	.0055	.0035
53	.294	.0091	.0091	.0043	.0043	.0027
54	.300	.0061	.0061	.0031	.0031	.0017
55	.306	.0043	.0043	.0021	.0021	.0013
56	.311	.0093	.0093	.0051	.0051	.0033
57	.317	.0091	.0091	.0050	.0050	.0033
58	.322	.0068	.0068	.0038	.0038	.0025
59	.328	.0053	.0053	.0026	.0026	.0017
60	.333	.0061	.0061	.0030	.0030	.0020

HINDCASTING SPECTRA COMPUTED JAN. 1963

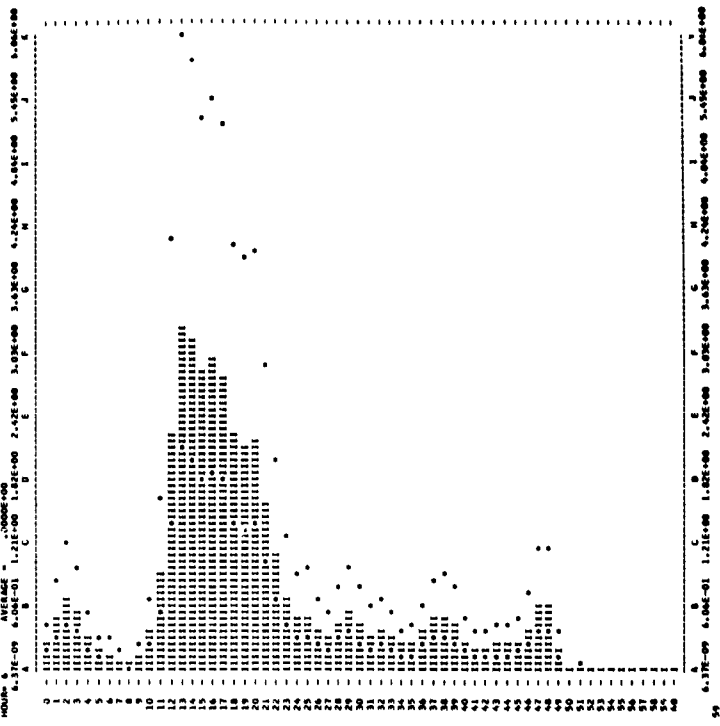


SMOOTHED BROADCASTING SPECTRA COMPUTED MARCH 1963

DATE = 24/11/56 AV. T = 8.0 RECORD = JMC007
 HOUR = 0 SIG. HGT. = 28.5 UPPER HGT. = 27.5
 TOTAL OP = 2200 CORR. VAR. = 40.6 LOWER HGT. = 21.6
 NOISE LEVEL = .0169 WIND SPEED = 40

H	FREQ.	UNIT	FT. 2	FILTERED	NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.2549	.2549	.2380	.2380	.4337	.1515	
1	.006	.4379	.4379	.4378	.4378	.6438	.2915	
2	.011	.6802	.6802	.6713	.6713	1.2373	.6276	
3	.017	.9476	.9476	.9309	.9309	.1978	.1878	
4	.022	1.2170	1.2170	1.101	1.101	.9715	.1874	
5	.028	1.788	1.788	1.619	1.619	.2984	1.031	
6	.033	1.086	1.086	.9917	.9917	.1491	.2790	.0943
7	.039	.818	.818	.650	.650	.1693	1.646	.0589
8	.044	.6504	.6504	.5335	.5335	.0417	.0749	.0266
9	.050	1.424	1.424	1.235	1.235	.1474	.2117	.0899
10	.056	1.678	1.678	1.509	1.509	.1772	.682	.2402
11	.061	.8163	.8163	.7994	.7994	.9026	1.6636	.3747
12	.067	1.9738	1.9738	1.938	1.938	.7197	6.0912	1.4134
13	.072	2.6824	2.6824	2.6455	2.6455	3.2857	6.0560	2.0021
14	.078	2.6814	2.6814	2.6445	2.6445	3.1627	5.8294	2.0138
15	.083	2.3447	2.3447	2.3278	2.3278	2.8661	5.2790	1.8237
16	.089	2.3183	2.3183	2.2994	2.2994	2.9536	5.4439	1.8807
17	.094	2.0977	2.0977	2.0808	2.0808	2.8099	5.1791	1.7892
18	.100	1.5498	1.5498	1.5448	1.5448	2.2114	4.0759	1.4081
19	.106	1.4218	1.4218	1.4049	1.4049	2.1344	3.9341	1.3591
20	.111	1.3596	1.3596	1.3427	1.3427	1.9007	4.0193	1.3685
21	.117	.9885	.9885	.9716	.9716	1.5902	2.9509	1.0125
22	.122	.9338	.9338	.9169	.9169	1.0862	2.0220	.6916
23	.128	.3517	.3517	.3348	.3348	.6855	1.2597	.4392
24	.133	.2420	.2420	.2251	.2251	.5072	.4228	.3188
25	.139	.2282	.2282	.2113	.2113	.5143	.9482	.3276
26	.144	.1507	.1507	.1338	.1338	.3581	.6600	.2280
27	.150	.1180	.1180	.1011	.1011	.2864	.3501	.1900
28	.156	.1481	.1481	.1312	.1312	.4293	.7413	.2734
29	.161	.1639	.1639	.1470	.1470	.5352	.9265	.3408
30	.167	.1184	.1184	.1015	.1015	.4132	.7416	.2831
31	.172	.0885	.0885	.0716	.0716	.3288	.6024	.2081
32	.178	.0868	.0868	.0699	.0699	.3599	.6633	.2291
33	.183	.0851	.0851	.0682	.0682	.3865	.6242	.2176
34	.189	.0491	.0491	.0322	.0322	.2129	.3424	.1354
35	.194	.0470	.0470	.0301	.0301	.2268	.4181	.1444
36	.200	.0453	.0453	.0284	.0284	.2418	.4940	.1534
37	.206	.0436	.0436	.0267	.0267	.2567	.5699	.1624
38	.211	.0419	.0419	.0250	.0250	.2716	.6458	.1714
39	.217	.0402	.0402	.0233	.0233	.2865	.7217	.1804
40	.222	.0385	.0385	.0216	.0216	.3014	.7976	.1894
41	.228	.0264	.0264	.0149	.0149	.1961	.3615	.1249
42	.233	.0247	.0247	.0132	.0132	.2072	.3819	.1319
43	.239	.0230	.0230	.0115	.0115	.2183	.3978	.1374
44	.244	.0213	.0213	.0098	.0098	.2294	.4032	.1400
45	.250	.0196	.0196	.0081	.0081	.2405	.4086	.1426
46	.256	.0179	.0179	.0064	.0064	.2516	.4140	.1452
47	.261	.0162	.0162	.0047	.0047	.2627	.4194	.1478
48	.267	.0145	.0145	.0030	.0030	.2738	.4248	.1504
49	.272	.0128	.0128	.0013	.0013	.2849	.4302	.1530
50	.278	.0111	.0111	.0000	.0000	.2960	.4356	.1556
51	.283	.0094	.0094	.0000	.0000	.3071	.4410	.1582
52	.289	.0077	.0077	.0000	.0000	.3182	.4464	.1608
53	.294	.0060	.0060	.0000	.0000	.3293	.4518	.1634
54	.300	.0043	.0043	.0000	.0000	.3404	.4572	.1660
55	.306	.0026	.0026	.0000	.0000	.3515	.4626	.1686
56	.311	.0009	.0009	.0000	.0000	.3626	.4680	.1712
57	.317	.0000	.0000	.0000	.0000	.3737	.4734	.1738
58	.322	.0000	.0000	.0000	.0000	.3848	.4788	.1764
59	.328	.0000	.0000	.0000	.0000	.3959	.4842	.1790
60	.333	.0000	.0000	.0000	.0000	.4070	.4896	.1816

SMOOTHED BROADCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0 AV. T = 8.0 RECORD = JMC007
 TOTAL OP = 2200 CORR. VAR. = 40.6 LOWER HGT. = 21.6
 NOISE LEVEL = .0169 WIND SPEED = 40

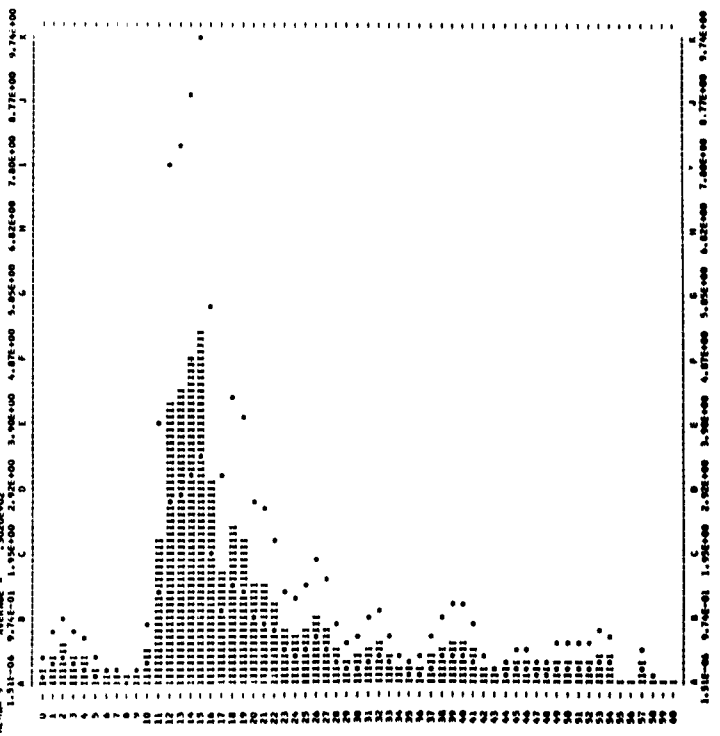


BROADCASTING SPECTRA COMPUTED JAN. 1963

DATE = 24/11/56 AV. T = 7.7 RECORD = JMC008
 HOUR = 9 SIG. HGT. = 28.5 UPPER HGT. = 31.0
 TOTAL OP = 2200 CORR. VAR. = 50.9 LOWER HGT. = 26.3
 NOISE LEVEL = .0189 WIND SPEED = 40

H	FREQ.	UNIT	FT. 2	FILTERED	NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.2374	.2374	.2186	.2186	.4028	.1392	
1	.006	.4527	.4527	.4339	.4339	.7997	.2743	
2	.011	.6678	.6678	.6490	.6490	1.0119	.3696	
3	.017	.9389	.9389	.9201	.9201	.7744	.2475	
4	.022	1.3668	1.3668	1.3480	1.3480	.6414	.2216	
5	.028	.2217	.2217	.2029	.2029	.3740	.1292	
6	.033	.0966	.0966	.0778	.0778	.1254	.2314	.0840
7	.039	.0710	.0710	.0522	.0522	.0800	.1474	.0509
8	.044	.0649	.0649	.0461	.0461	.0573	.1057	.0365
9	.050	.1307	.1307	.1119	.1119	.1315	.2423	.0878
10	.056	.8429	.8429	.8241	.8241	.4834	.8910	.3078
11	.061	1.9002	1.9002	1.8813	1.8813	2.1242	3.9133	1.3526
12	.067	3.7555	3.7555	3.7367	3.7367	4.2385	7.1212	2.6988
13	.072	3.8262	3.8262	3.8074	3.8074	4.3941	8.0990	2.7979
14	.078	4.0841	4.0841	4.0653	4.0653	4.8255	8.8941	3.0726
15	.083	4.1155	4.1155	4.0967	4.0967	5.2569	9.7400	3.3662
16	.089	2.4017	2.4017	2.3829	2.3829	2.8668	4.7640	1.9489
17	.094	1.2644	1.2644	1.2456	1.2456	1.4822	3.1008	1.0712
18	.100	1.6499	1.6499	1.6311	1.6311	2.3282	4.4212	1.6825
19	.106	1.4621	1.4621	1.4433	1.4433	2.1624	3.9854	1.3769
20	.111	.9272	.9272	.9084	.9084	1.4753	2.7192	.9394
21	.117	.8485	.8485	.8297	.8297	1.4473	2.6676	.9216
22	.122	.6909	.6909	.6721	.6721	1.1712	2.1587	.7637
23	.128	.3846	.3846	.3658	.3658	.7468	1.3765	.4755
24	.133	.3278	.3278	.3090	.3090	.6872	1.2667	.4376
25	.139	.3087	.3087	.2899	.2899	.6057	1.4849	.5130
26	.144	.4007	.4007	.3819	.3819	1.0222	1.8841	.6509
27	.150	.2968	.2968	.2780	.2780	.8205	1.5124	.5225
28	.156	.1580	.1580	.1392	.1392	.4855	.8955	.2600
29	.161	.1041	.1041	.0853	.0853	.3104	.5726	.1978
30	.167	.1036	.1036	.0848	.0848	.3451	.6361	.2197
31	.172	.1128	.1128	.1140	.1140	.5003	.9990	.3315
32	.178	.1298	.1298	.1298	.1298	.5712	1.0528	.3637
33	.183	.0867	.0867	.0679	.0679	.3949	.7276	.2515
34	.189	.0542	.0542	.0354	.0354	.2362	.4316	.1491
35	.194	.0402	.0402	.0214	.0214	.1615	.2976	.1028
36	.200	.0438	.0438	.0250	.0250	.1758	.3377	.1174
37	.206	.0340	.0340	.0152	.0152	.1364	.2622	.0819
38	.211	.0456	.0456	.0268	.0268	.2076	.3612	.1312
39	.217	.0660	.0660	.0472	.0472	.3206	1.1550	.3990
40	.222	.0825	.0825	.0637	.0637	.4324	1.6815	.5624
41	.228	.0487	.0487	.0299	.0299	.2453	.9129	.3154
42	.233	.0254	.0254	.0111	.0111	.1293	.4337	.1498
43	.239	.0200	.0200	.0045	.0045	.0913	.1643	.0581
44	.244	.0244	.0244	.0092	.0092	.1522	.2804	.0949
45	.250	.0271	.0271	.0074	.0074	.1753	.3280	.1051
46	.256	.0243	.0243	.0056	.0056	.1605	.2607	.0840
47	.261	.0206	.0206	.0038	.0038	.1304	.2074	.0642
48	.267	.0212	.0212	.0031	.0031	.1429	.2372	.0715
49	.272	.0204	.0204	.0024	.0024	.1314	.2319	.0683
50	.278	.0223	.0223	.0039	.0039	.1534	.2615	.0757
51	.283	.0215	.0215	.0029	.0029	.1407	.2439	.0716
52	.289	.0206	.0206	.0022	.0022	.1311	.2403	.0688
53	.294	.0209	.0209	.0024	.0024	.1400	.2482	.0725
54	.300	.0223	.0223	.0020	.0020	.1483	.2562	.0754
55	.306	.0216	.0216	.0016	.0016	.1400	.2400	.0680
56	.311	.0216	.0216	.0016	.0016	.1400	.2400	.0680
57	.317	.0212	.0212	.0015	.0015	.1371	.2355	.0655
58	.322	.0202	.0202	.0011	.0011	.1267	.2225	.0609
59	.328	.0191	.0191	.0009	.0009	.1180	.2100	.0564
60	.333	.0175	.0175	.0006	.0006	.1100	.1980	.0520

BROADCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 9 AV. T = 7.7 RECORD = JMC008
 TOTAL OP = 2200 CORR. VAR. = 50.9 LOWER HGT. = 26.3
 NOISE LEVEL = .0189 WIND SPEED = 40

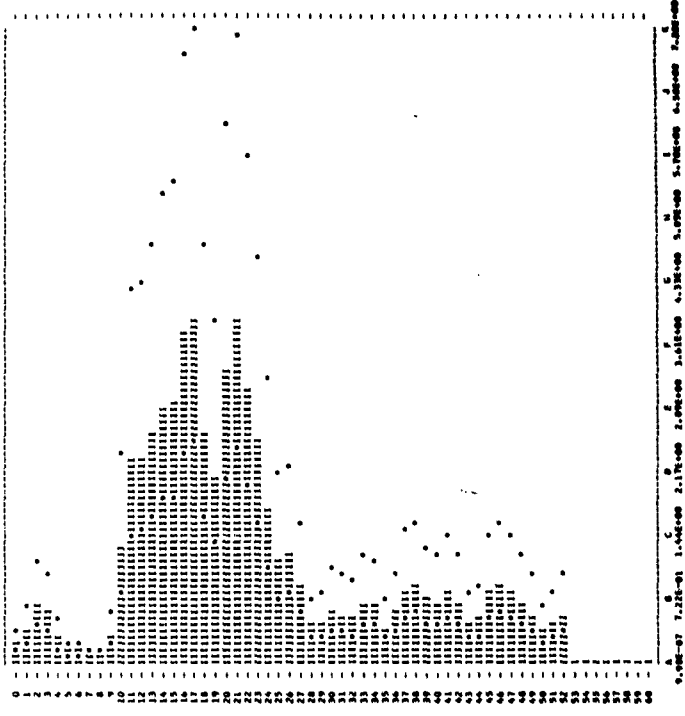


SMOOTHED HINDBCASTING SPECTRA COMPUTED MARCH 1963

DATE = 26/11/56
 HOUR = 18
 TOTAL UP = 200
 SIG-MET = 31.4
 CURR. VAR. = 62.6
 NOISE LEVEL = .0067
 WIND SPEED = 15
 RECORD = JMC009
 UPPER HGT. = 13.0
 LOWER HGT. = 29.5

H	PAR.	UNIT-PT.2	FILTERED	NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.2000	.2000	.1000	.1000	.3400	.1200
1	.006	.3010	.3010	.1710	.1710	.4040	.2344
2	.011	.4037	.4037	.2639	.2639	.4839	.4007
3	.017	.5078	.5078	.3806	.3806	.5622	.5170
4	.022	.6130	.6130	.5200	.5200	.6464	.6149
5	.028	.7194	.7194	.6810	.6810	.7350	.7080
6	.033	.8269	.8269	.8620	.8620	.8269	.8024
7	.039	.9354	.9354	.1064	.1064	.9123	.8888
8	.044	1.0440	1.0440	.1400	.1400	.9950	.9690
9	.050	1.1526	1.1526	.1907	.1907	1.0750	1.0480
10	.056	1.2612	1.2612	.2500	.2500	1.1526	1.1244
11	.061	1.3700	1.3700	.3100	.3100	1.2276	1.1984
12	.067	1.4788	1.4788	.3800	.3800	1.3000	1.2696
13	.072	1.5876	1.5876	.4600	.4600	1.3696	1.3320
14	.078	1.6964	1.6964	.5400	.5400	1.4364	1.3956
15	.083	1.8052	1.8052	.6300	.6300	1.5000	1.4600
16	.089	1.9140	1.9140	.7300	.7300	1.5600	1.5256
17	.094	2.0228	2.0228	.8400	.8400	1.6176	1.5920
18	.100	2.1316	2.1316	.9600	.9600	1.6720	1.6596
19	.106	2.2404	2.2404	1.0800	1.0800	1.7236	1.7280
20	.111	2.3492	2.3492	1.2100	1.2100	1.7720	1.7936
21	.117	2.4580	2.4580	1.3500	1.3500	1.8176	1.8600
22	.122	2.5668	2.5668	1.5000	1.5000	1.8600	1.9276
23	.128	2.6756	2.6756	1.6600	1.6600	1.9000	1.9960
24	.133	2.7844	2.7844	1.8300	1.8300	1.9364	2.0656
25	.139	2.8932	2.8932	2.0100	2.0100	1.9700	2.1360
26	.144	3.0020	3.0020	2.2000	2.2000	1.9996	2.2076
27	.150	3.1108	3.1108	2.4000	2.4000	2.0256	2.2800
28	.156	3.2196	3.2196	2.6100	2.6100	2.0480	2.3536
29	.161	3.3284	3.3284	2.8300	2.8300	2.0664	2.4280
30	.167	3.4372	3.4372	3.0600	3.0600	2.0800	2.5036
31	.172	3.5460	3.5460	3.3000	3.3000	2.0896	2.5800
32	.178	3.6548	3.6548	3.5500	3.5500	2.0944	2.6576
33	.183	3.7636	3.7636	3.8100	3.8100	2.0944	2.7360
34	.189	3.8724	3.8724	4.0800	4.0800	2.0896	2.8156
35	.194	3.9812	3.9812	4.3600	4.3600	2.0800	2.8960
36	.200	4.0900	4.0900	4.6500	4.6500	2.0656	2.9776
37	.206	4.1988	4.1988	4.9500	4.9500	2.0464	3.0600
38	.211	4.3076	4.3076	5.2600	5.2600	2.0224	3.1436
39	.217	4.4164	4.4164	5.5800	5.5800	2.0000	3.2280
40	.222	4.5252	4.5252	5.9100	5.9100	1.9784	3.3136
41	.228	4.6340	4.6340	6.2500	6.2500	1.9576	3.4000
42	.233	4.7428	4.7428	6.6000	6.6000	1.9376	3.4876
43	.239	4.8516	4.8516	6.9600	6.9600	1.9184	3.5760
44	.244	4.9604	4.9604	7.3300	7.3300	1.8996	3.6656
45	.250	5.0692	5.0692	7.7100	7.7100	1.8816	3.7560
46	.256	5.1780	5.1780	8.1000	8.1000	1.8644	3.8476
47	.261	5.2868	5.2868	8.5000	8.5000	1.8480	3.9400
48	.267	5.3956	5.3956	8.9100	8.9100	1.8324	4.0336
49	.272	5.5044	5.5044	9.3300	9.3300	1.8176	4.1280
50	.278	5.6132	5.6132	9.7600	9.7600	1.8036	4.2236
51	.283	5.7220	5.7220	10.2000	10.2000	1.7904	4.3200
52	.289	5.8308	5.8308	10.6500	10.6500	1.7780	4.4176
53	.294	5.9396	5.9396	11.1100	11.1100	1.7664	4.5160
54	.300	6.0484	6.0484	11.5800	11.5800	1.7556	4.6156
55	.306	6.1572	6.1572	12.0600	12.0600	1.7456	4.7160
56	.311	6.2660	6.2660	12.5500	12.5500	1.7364	4.8176
57	.317	6.3748	6.3748	13.0500	13.0500	1.7280	4.9200
58	.322	6.4836	6.4836	13.5600	13.5600	1.7204	5.0236
59	.328	6.5924	6.5924	14.0800	14.0800	1.7136	5.1280
60	.333	6.7012	6.7012	14.6100	14.6100	1.7076	5.2336

SMOOTHED HINDBCASTING SPECTRA COMPUTED MARCH 1963
 JMC009 26/11/56
 HOUR = 18
 TOTAL UP = 200
 SIG-MET = 31.4
 CURR. VAR. = 62.6
 NOISE LEVEL = .0067
 WIND SPEED = 15

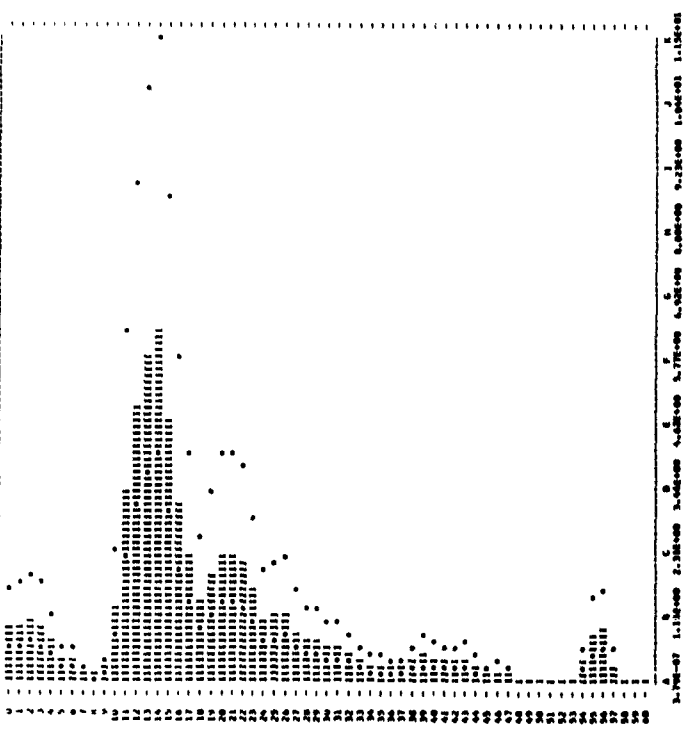


HINDBCASTING SPECTRA COMPUTED JAN. 1963

DATE = 26/11/56
 HOUR = 18
 TOTAL UP = 210
 SIG-MET = 31.4
 CURR. VAR. = 61.6
 NOISE LEVEL = .0121
 WIND SPEED = 15
 RECORD = JMC010
 UPPER HGT. = 14.0
 LOWER HGT. = 29.0

H	PAR.	UNIT-PT.2	FILTERED	NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.4956	.4956	.4835	.4835	1.4284	.5620
1	.006	.6017	.6017	.6494	.6494	1.7503	.6047
2	.011	1.0185	1.0185	1.0064	1.0064	1.8550	.6408
3	.017	1.4353	1.4353	1.3508	1.3508	2.1154	.6927
4	.022	1.8521	1.8521	1.7047	1.7047	2.3404	.7560
5	.028	2.2689	2.2689	2.0586	2.0586	2.5296	.8296
6	.033	2.6857	2.6857	2.4125	2.4125	2.6832	.9136
7	.039	3.1025	3.1025	2.7664	2.7664	2.8016	.9976
8	.044	3.5193	3.5193	3.1203	3.1203	2.8856	1.0816
9	.050	3.9361	3.9361	3.4742	3.4742	2.9376	1.1656
10	.056	4.3529	4.3529	3.8281	3.8281	2.9672	1.2500
11	.061	4.7697	4.7697	4.1820	4.1820	2.9736	1.3344
12	.067	5.1865	5.1865	4.5359	4.5359	2.9664	1.4188
13	.072	5.6033	5.6033	4.8898	4.8898	2.9456	1.5032
14	.078	6.0201	6.0201	5.2437	5.2437	2.9104	1.5876
15	.083	6.4369	6.4369	5.5976	5.5976	2.8608	1.6720
16	.089	6.8537	6.8537	5.9515	5.9515	2.7968	1.7564
17	.094	7.2705	7.2705	6.3054	6.3054	2.7184	1.8408
18	.100	7.6873	7.6873	6.6593	6.6593	2.6256	1.9252
19	.106	8.1041	8.1041	7.0132	7.0132	2.5184	2.0096
20	.111	8.5209	8.5209	7.3671	7.3671	2.3968	2.0940
21	.117	8.9377	8.9377	7.7210	7.7210	2.2608	2.1784
22	.122	9.3545	9.3545	8.0749	8.0749	2.1104	2.2628
23	.128	9.7713	9.7713	8.4288	8.4288	1.9456	2.3472
24	.133	10.1881	10.1881	8.7827	8.7827	1.7664	2.4316
25	.139	10.6049	10.6049	9.1366	9.1366	1.5728	2.5160
26	.144	11.0217	11.0217	9.4905	9.4905	1.3648	2.6004
27	.150	11.4385	11.4385	9.8444	9.8444	1.1424	2.6848
28	.156	11.8553	11.8553	10.1983	10.1983	888.0000	2.7692
29	.161	12.2721	12.2721	10.5522	10.5522	888.0000	2.8536
30	.167	12.6889	12.6889	10.9061	10.9061	888.0000	2.9380
31	.172	13.1057	13.1057	11.2600	11.2600	888.0000	3.0224
32	.178	13.5225	13.5225	11.6139	11.6139	888.0000	3.1068
33	.183	13.9393	13.9393	11.9678	11.9678	888.0000	3.1912
34	.189	14.3561	14.3561	12.3217	12.3217	888.0000	3.2756
35	.194	14.7729	14.7729	12.6756	12.6756	888.0000	3.3600
36	.200	15.1897	15.1897	13.0295	13.0295	888.0000	3.4444
37	.206	15.6065	15.6065	13.3834	13.3834	888.0000	3.5288
38	.211	16.0233	16.0233	13.7373	13.7373	888.0000	3.6132
39	.217	16.4401	16.4401	14.0912	14.0912	888.0000	3.6976
40	.222	16.8569	16.8569	14.4451	14.4451	888.0000	3.7820
41	.228	17.2737	17.2737	14.7990	14.7990	888.0000	3.8664
42	.233	17.6905	17.6905	15.1529	15.1529	888.0000	3.9508
43	.239	18.1073	18.1073	15.5068	15.5068	888.0000	4.0352
44	.244	18.5241	18.5241	15.8607	15.8607	888.0000	4.1196
45	.250	18.9409	18.9409	16.2146	16.2146	888.0000	4.2040
46	.256	19.3577	19.3577	16.5685	16.5685	888.0000	4.2884
47	.261	19.7745	19.7745	16.9224	16.9224	888.0000	4.3728
48	.267	20.1913	20.1913	17.2763	17.2763	888.0000	4.4572
49	.272	20.6081	20.6081	17.6302	17.6302	888.0000	4.5416
50	.278	21.0249	21.0249	17.9841	17.9841	888.0000	4.6260
51	.283	21.4417	21.4417	18.3380	18.3380	888.0000	4.7104
52	.289	21.8585	21.8585	18.6919	18.6919	888.0000	4.7948
53	.294	22.2753	22.2753	19.0458	19.0458	888.0000	4.8792
54	.300	22.6921	22.6921	19.3997	19.3997	888.0000	4.9636
55	.306	23.1089	23.1089	19.7536	19.7536	888.0000	5.0480
56	.311	23.5257	23.5257	20.1075	20.1075	888.0000	5.1324
57	.317	23.9425	23.9425	20.4614	20.4614	888.0000	5.2168
58	.322	24.3593	24.3593	20.8153	20.8153	888.0000	5.3012
59	.328	24.7761	24.7761	21.1692	21.1692	888.0000	5.3856
60	.333	25.1929	25.1929	21.5231	21.5231	888.0000	5.4700

HINDBCASTING SPECTRA COMPUTED JAN. 1963
 JMC010 26/11/56
 HOUR = 18
 TOTAL UP = 210
 SIG-MET = 31.4
 CURR. VAR. = 61.6
 NOISE LEVEL = .0121
 WIND SPEED = 15

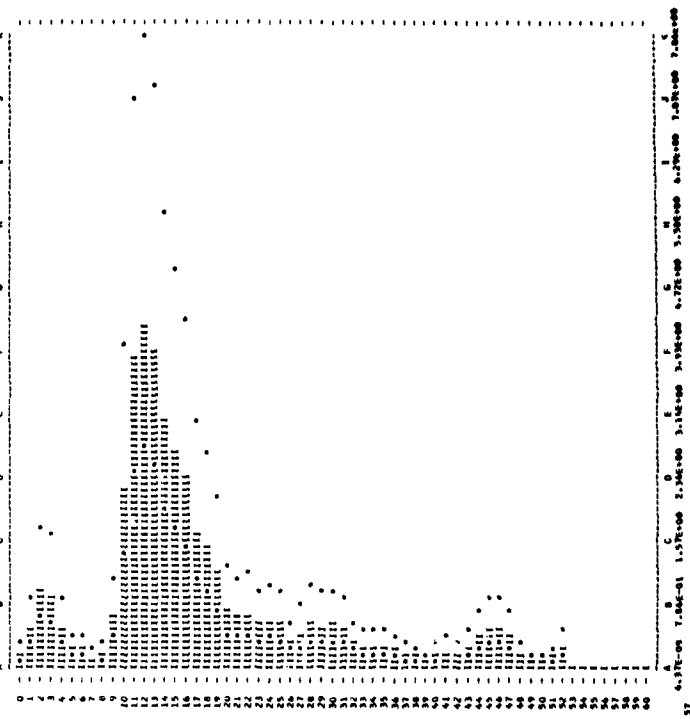


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/11/56 AV. T = 8.6 RECORD = JMC011
 HOUR = 0 SIG.MGT. = 26.0 UPPER MGT. = 20.2
 TOTAL DF = 190 CORR. VAR. = 42.1 LOWER MGT. = 23.9
 NOISE LEVEL = .0095 WIND SPEED = 40

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.1618	.1618	.1523	.2807	.0970
1	.006	.4672	.4672	.4577	.8536	.2916
2	.011	.9682	.9682	.9587	1.7501	.5977
3	.017	1.895	1.895	1.880	3.400	1.219
4	.022	3.496	3.496	3.481	6.401	2.290
5	.028	6.295	6.295	6.280	12.264	4.173
6	.033	1.131	1.131	1.120	2.000	3.686
7	.039	.6916	.6916	.6821	1.128	.2078
8	.044	.4160	.4160	.4065	.733	.1116
9	.050	.2154	.2154	.2059	.3942	.1092
10	.056	1.9316	1.9316	1.9221	2.1910	4.0383
11	.061	3.3055	3.3055	3.2960	3.8231	7.0460
12	.067	3.7685	3.7685	3.7590	4.2638	7.8988
13	.072	3.4238	3.4238	3.4143	3.9425	7.2666
14	.078	2.4078	2.4078	2.3983	3.0862	5.4846
15	.083	2.1883	2.1883	2.1788	2.8808	4.9411
16	.089	1.8308	1.8308	1.8213	2.3396	4.3119
17	.094	1.2476	1.2476	1.2381	1.6723	3.0825
18	.100	1.0340	1.0340	1.0245	1.4627	2.6959
19	.106	.7657	.7657	.7562	1.1488	2.1175
20	.111	.4452	.4452	.4357	.8176	1.2183
21	.117	.3629	.3629	.3534	.6164	.1162
22	.122	.3568	.3568	.3473	.6393	.2292
23	.128	.2683	.2683	.2588	.5103	.1719
24	.133	.2614	.2614	.2519	.5403	1.0326
25	.139	.2226	.2226	.2131	.5183	.9556
26	.144	.1278	.1278	.1183	.3168	.278
27	.150	.1474	.1474	.1379	.4071	.7503
28	.156	.1781	.1781	.1686	.5917	1.0168
29	.161	.1478	.1478	.1383	.5024	.8179
30	.167	.1381	.1381	.1286	.5233	.9449
31	.172	.1134	.1134	.1039	.4763	.8761
32	.178	.0805	.0805	.0710	.3870	.6893
33	.183	.0522	.0522	.0427	.2486	.4578
34	.189	.0508	.0508	.0413	.2730	.5032
35	.194	.0443	.0443	.0348	.2427	.4325
36	.200	.0331	.0331	.0236	.2036	.3753
37	.206	.0263	.0263	.0168	.1686	.3088
38	.211	.0216	.0216	.0121	.1383	.2549
39	.217	.0149	.0149	.0074	.0980	.1806
40	.222	.0213	.0213	.0118	.1488	.2108
41	.228	.0204	.0204	.0109	.1355	.1824
42	.233	.0156	.0156	.0090	.1007	.1314
43	.239	.0207	.0207	.0102	.1488	.2108
44	.244	.0239	.0239	.0131	.1833	.2694
45	.250	.0218	.0218	.0131	.1471	.1825
46	.256	.0211	.0211	.0117	.1463	.1803
47	.261	.0170	.0170	.0077	.1074	.1408
48	.267	.0116	.0116	.0031	.0862	.1033
49	.272	.0104	.0104	.0012	.0846	.1028
50	.278	.0104	.0104	.0010	.0872	.1028
51	.283	.0109	.0109	.0013	.1401	.2587
52	.289	.0112	.0112	.0012	.1474	.2816
53	.294	.0125	.0125	.0027	.2027	.3699
54	.300	.0126	.0126	.0031	.2031	.3698
55	.306	.0127	.0127	.0032	.2032	.3699
56	.311	.0125	.0125	.0022	.2040	.3694
57	.317	.0098	.0098	.0000	.0000	.0000
58	.322	.0053	.0053	.0000	.0000	.0000
59	.328	.0043	.0043	.0000	.0000	.0000
60	.333	.0043	.0043	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0 FREQUENCY = 1.72E+01 1.72E+01 1.72E+01 1.72E+01 1.72E+01 1.72E+01
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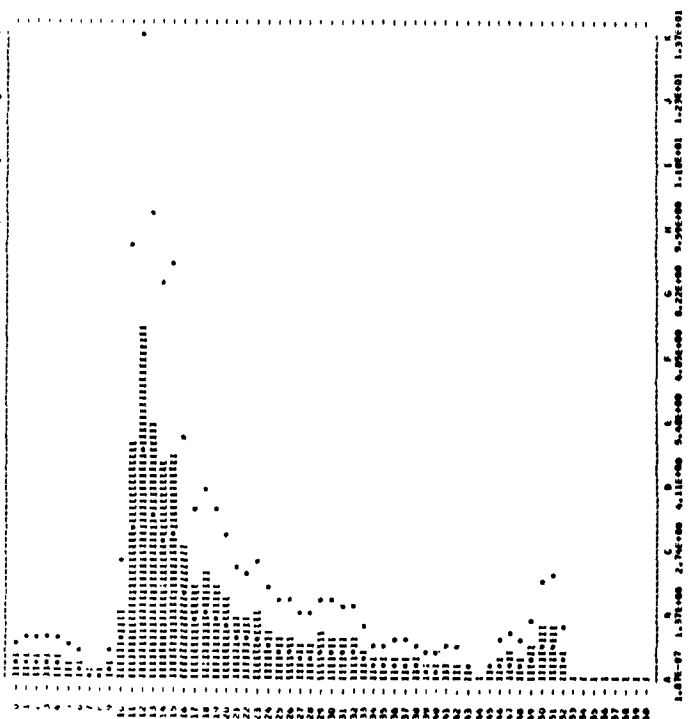


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/11/56 AV. T = 7.7 RECORD = JMC012
 HOUR = 1 SIG.MGT. = 31.6 UPPER MGT. = 34.3
 TOTAL DF = 201 CORR. VAR. = 42.4 LOWER MGT. = 29.1
 NOISE LEVEL = .0235 WIND SPEED = 40

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.3958	.3958	.3723	.3723	.6863
1	.006	.4508	.4508	.4333	.4333	.7886
2	.011	.6720	.6720	.6485	.6485	.8254
3	.017	1.350	1.350	1.316	1.316	.7886
4	.022	2.4633	2.4633	2.398	2.398	.7737
5	.028	4.591	4.591	4.356	4.356	1.116
6	.033	1.029	1.029	1.004	.7737	.5043
7	.039	.8896	.8896	.8641	.8008	.4878
8	.044	.8896	.8896	.8641	.8008	.4878
9	.050	.2791	.2791	.2556	.3002	.5933
10	.056	1.2031	1.2031	1.1796	1.3646	2.4783
11	.061	4.4080	4.4080	4.3845	4.9517	8.246
12	.067	6.5753	6.5753	6.5518	7.4318	13.4979
13	.072	4.6632	4.6632	4.6397	5.3354	8.3220
14	.078	3.8163	3.8163	3.7928	4.3021	6.2880
15	.083	3.7413	3.7413	3.7178	4.7221	8.1035
16	.089	2.1517	2.1517	2.1282	2.7337	5.0387
17	.094	1.4446	1.4446	1.4211	1.9217	3.3621
18	.100	1.5589	1.5589	1.5354	2.1921	4.0404
19	.106	1.2987	1.2987	1.2752	1.9390	3.5738
20	.111	1.0200	1.0200	.9965	1.4183	2.8311
21	.117	.7503	.7503	.7268	1.2674	2.3369
22	.122	.6690	.6690	.6455	1.2154	2.2402
23	.128	.6625	.6625	.6390	1.3064	2.4043
24	.133	.4806	.4806	.4571	1.0189	1.8742
25	.139	.3807	.3807	.3572	.8898	1.4033
26	.144	.3856	.3856	.3621	.8898	1.3984
27	.150	.2827	.2827	.2592	.7062	1.3016
28	.156	.2476	.2476	.2241	.7329	1.3908
29	.161	.2748	.2748	.2513	.8132	1.4868
30	.167	.2386	.2386	.2151	.8757	1.6141
31	.172	.2011	.2011	.1776	.8111	1.4950
32	.177	.1556	.1556	.1321	.6862	1.1859
33	.183	.1275	.1275	.1040	.6053	1.1157
34	.189	.0825	.0825	.0590	.4903	.7193
35	.194	.0710	.0710	.0475	.3986	.6615
36	.200	.0709	.0709	.0474	.4097	.7591
37	.206	.0691	.0691	.0467	.4173	.7618
38	.211	.0577	.0577	.0342	.3918	.7251
39	.217	.0575	.0575	.0341	.3106	.5833
40	.222	.0399	.0399	.0164	.2945	.5428
41	.228	.0421	.0421	.0186	.3350	.6174
42	.233	.0423	.0423	.0181	.3393	.6253
43	.239	.0308	.0308	.0071	.3771	.6284
44	.244	.0236	.0236	.0000	.0000	.0000
45	.250	.0247	.0249	.0034	.1145	.2185
46	.256	.0382	.0361	.0107	.4424	.8136
47	.261	.0350	.0338	.0103	.5098	.9394
48	.267	.0480	.0469	.0069	.4119	.7592
49	.272	.0330	.0329	.0094	.8754	1.2448
50	.278	.0389	.0387	.0132	1.1432	1.0778
51	.283	.0354	.0354	.0111	1.1626	1.1428
52	.289	.0273	.0282	.0047	.6047	1.1148
53	.294	.0221	.0233	.0000	.0000	.0000
54	.300	.0217	.0217	.0000	.0000	.0000
55	.306	.0211	.0218	.0000	.0000	.0000
56	.311	.0211	.0218	.0000	.0000	.0000
57	.317	.0146	.0146	.0000	.0000	.0000
58	.322	.0149	.0149	.0000	.0000	.0000
59	.328	.0222	.0212	.0000	.0000	.0000
60	.333	.0209	.0211	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 1 FREQUENCY = 1.72E+01 1.72E+01 1.72E+01 1.72E+01 1.72E+01 1.72E+01
 A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

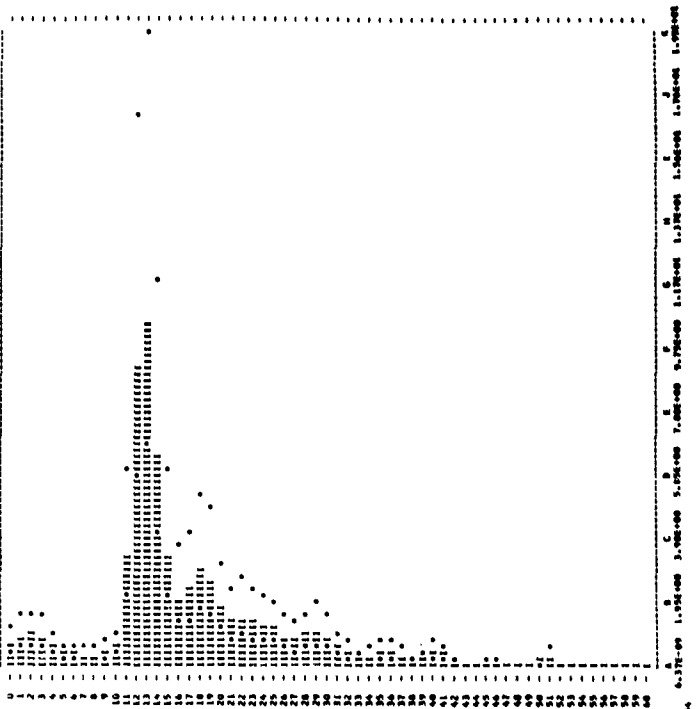


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/11/56 AV. T = 9.7 RECORD = JMC013
 HOUR = 0 SIG. HGT. = 24.3 UPPER HGT. = 35.0
 TOTAL OF -192 CORN. VAR. = 66.0 LOWER HGT. = 20.3
 NOISE LEVEL = .0310 WIND SPEED = 40

M	FAL. UNIT=FT.2	FILTERED	-NOISE	CORN.PT.2	UPPER	LOWER
0	.000	.6095	.6093	.6503	1.2134	.6142
1	.006	.6263	.6261	.6673	1.4084	.6115
2	.011	.6431	.6429	.6956	1.6036	.6103
3	.017	.6599	.6597	.7179	1.8000	.6107
4	.022	.6767	.6765	.7399	1.9982	.6120
5	.028	.6935	.6933	.7620	2.1980	.6130
6	.033	.7103	.7101	.7840	2.3990	.6140
7	.039	.7271	.7269	.8057	2.6020	.6150
8	.044	.7439	.7437	.8273	2.8070	.6160
9	.050	.7607	.7605	.8487	3.0140	.6170
10	.056	.7775	.7773	.8700	3.2230	.6180
11	.061	.7943	.7941	.8912	3.4340	.6190
12	.067	.8111	.8109	.9123	3.6470	.6200
13	.072	.8279	.8277	.9333	3.8620	.6210
14	.078	.8447	.8445	.9542	4.0790	.6220
15	.083	.8615	.8613	.9750	4.2980	.6230
16	.089	.8783	.8781	.9957	4.5190	.6240
17	.094	.8951	.8949	1.0163	4.7420	.6250
18	.100	.9119	.9117	1.0368	4.9670	.6260
19	.106	.9287	.9285	1.0572	5.1940	.6270
20	.111	.9455	.9453	1.0775	5.4230	.6280
21	.117	.9623	.9621	1.0977	5.6540	.6290
22	.122	.9791	.9789	1.1178	5.8870	.6300
23	.128	.9959	.9957	1.1378	6.1220	.6310
24	.133	1.0127	1.0125	1.1577	6.3590	.6320
25	.139	1.0295	1.0293	1.1775	6.5980	.6330
26	.144	1.0463	1.0461	1.1972	6.8390	.6340
27	.150	1.0631	1.0629	1.2168	7.0820	.6350
28	.156	1.0799	1.0797	1.2363	7.3270	.6360
29	.161	1.0967	1.0965	1.2557	7.5740	.6370
30	.167	1.1135	1.1133	1.2750	7.8230	.6380
31	.172	1.1303	1.1301	1.2942	8.0740	.6390
32	.178	1.1471	1.1469	1.3133	8.3270	.6400
33	.183	1.1639	1.1637	1.3323	8.5820	.6410
34	.189	1.1807	1.1805	1.3512	8.8390	.6420
35	.194	1.1975	1.1973	1.3700	9.0980	.6430
36	.200	1.2143	1.2141	1.3888	9.3590	.6440
37	.206	1.2311	1.2309	1.4075	9.6220	.6450
38	.211	1.2479	1.2477	1.4262	9.8870	.6460
39	.217	1.2647	1.2645	1.4448	10.1540	.6470
40	.222	1.2815	1.2813	1.4633	10.4230	.6480
41	.228	1.2983	1.2981	1.4818	10.6940	.6490
42	.233	1.3151	1.3149	1.5002	10.9670	.6500
43	.239	1.3319	1.3317	1.5185	11.2420	.6510
44	.244	1.3487	1.3485	1.5368	11.5190	.6520
45	.250	1.3655	1.3653	1.5550	11.7980	.6530
46	.256	1.3823	1.3821	1.5732	12.0790	.6540
47	.261	1.3991	1.3989	1.5913	12.3620	.6550
48	.267	1.4159	1.4157	1.6094	12.6470	.6560
49	.272	1.4327	1.4325	1.6274	12.9340	.6570
50	.278	1.4495	1.4493	1.6454	13.2230	.6580
51	.283	1.4663	1.4661	1.6633	13.5140	.6590
52	.289	1.4831	1.4829	1.6812	13.8070	.6600
53	.294	1.5000	1.4998	1.6990	14.1020	.6610
54	.300	1.5168	1.5166	1.7168	14.3990	.6620
55	.306	1.5336	1.5334	1.7345	14.6980	.6630
56	.311	1.5504	1.5502	1.7522	14.9990	.6640
57	.317	1.5672	1.5670	1.7698	15.3020	.6650
58	.322	1.5840	1.5838	1.7874	15.6070	.6660
59	.328	1.6008	1.6006	1.8049	15.9140	.6670
60	.333	1.6176	1.6174	1.8224	16.2230	.6680

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0
 AVERAGE = 0.3100
 0.3100 1.0000 3.0000 5.0000 7.0000 9.0000 1.1500 1.3000 1.4500 1.6000 1.7500 1.9000

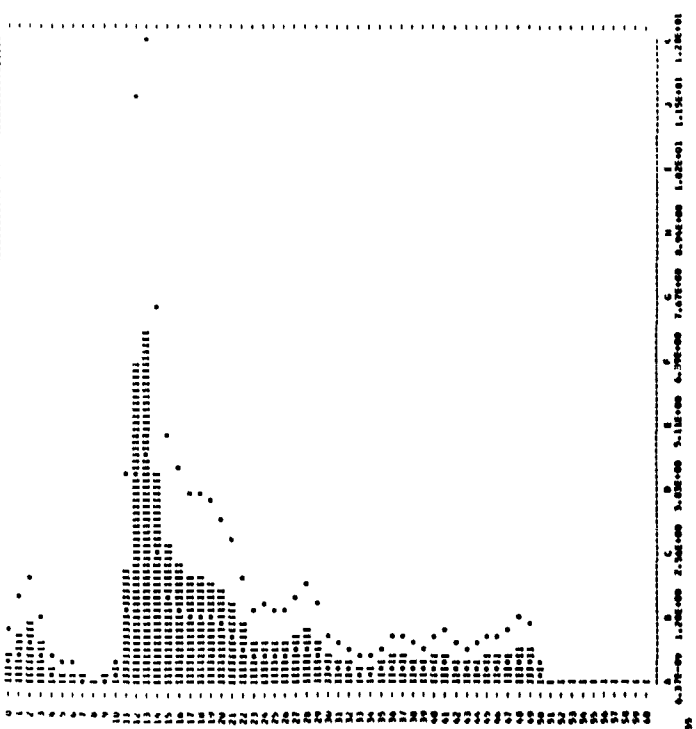


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/11/56 AV. T = 8.0 RECORD = JMC014
 HOUR = 12 SIG. HGT. = 29.4 UPPER HGT. = 32.0
 TOTAL OF -192 CORN. VAR. = 36.1 LOWER HGT. = 27.1
 NOISE LEVEL = .0114 WIND SPEED = 0

M	FAL. UNIT=FT.2	FILTERED	-NOISE	CORN.PT.2	UPPER	LOWER		
0	.000	.5696	.5696	.5982	1.0288	.3554		
1	.006	.5792	.5792	.6078	1.0995	.3522		
2	.011	1.1252	1.1252	1.1138	1.1138	2.0529	.7092	
3	.017	.7319	.7318	.7204	.7204	1.3278	.4587	
4	.022	1.0313	1.0313	.7029	.7029	1.5180	.6018	
5	.028	1.1959	1.1958	.8444	.8444	1.8444	.1174	
6	.033	1.2268	1.2268	1.1194	1.0664	1.3436	1.1187	
7	.039	1.0673	1.0673	.8599	.8599	1.4147	.6018	
8	.044	1.0345	1.0345	.8231	.8231	1.2088	.0530	.0183
9	.050	1.0840	1.0840	.8726	.8993	1.5722	.0563	
10	.056	1.0242	1.0242	1.0000	1.0000	1.1778	1.0000	.1387
11	.061	1.0541	1.0541	1.0427	2.1735	4.0429	1.3867	
12	.067	1.5835	1.5835	1.5722	6.3204	11.6495	6.0245	
13	.072	1.0161	1.0161	1.0000	6.9313	12.7784	6.4194	
14	.078	1.4166	1.4166	1.4082	4.0420	7.4499	2.3737	
15	.083	2.1368	2.1368	2.1434	2.6372	6.8000	1.6492	
16	.089	1.1764	1.1764	1.1950	2.2671	6.1787	1.6436	
17	.094	1.3150	1.3150	1.5030	2.0305	3.7424	1.2929	
18	.100	1.4253	1.4253	1.4239	2.0329	3.7469	1.2944	
19	.106	1.2090	1.2090	1.2376	1.9714	5.6356	1.2593	
20	.111	1.0841	1.0841	1.0727	1.7422	3.2111	1.1093	
21	.117	1.0890	1.0890	1.0774	1.6960	2.7573	.9526	
22	.122	1.0175	1.0175	1.0061	1.6095	2.0339	.8127	
23	.128	1.3482	1.3482	1.3868	1.7844	1.4594	.5028	
24	.133	1.3783	1.3783	1.3469	1.8161	1.5062	.5196	
25	.139	1.3295	1.3295	1.3141	1.7648	1.4496	.4870	
26	.144	1.2417	1.2417	1.2803	1.7502	1.3827	.4777	
27	.150	1.3202	1.3202	1.3088	1.9117	1.6003	.5005	
28	.156	1.3776	1.3776	1.3662	1.8478	1.6475	.4877	
29	.161	1.2314	1.2314	1.2205	1.8029	1.4799	.5112	
30	.167	1.2228	1.2228	1.1114	1.4335	1.8599	2.0884	
31	.172	1.0883	1.0883	1.0849	1.3967	1.7122	1.2526	
32	.178	1.0812	1.0812	1.0498	1.3594	1.6424	1.2288	
33	.183	1.0606	1.0606	1.0492	1.2863	1.5276	1.1873	
34	.189	1.0648	1.0648	1.0494	1.2870	1.5280	1.1877	
35	.194	1.0615	1.0615	1.0501	1.3776	1.6760	1.2405	
36	.200	1.0607	1.0607	1.0553	1.4774	1.8799	1.3040	
37	.206	1.0617	1.0617	1.0503	1.4988	1.9176	1.3176	
38	.211	1.0642	1.0642	1.0540	1.4983	1.9141	1.3136	
39	.217	1.0595	1.0595	1.0521	1.5197	1.9893	1.3836	
40	.222	1.0548	1.0548	1.0447	1.4897	1.9023	1.2877	
41	.228	1.0453	1.0453	1.0295	1.5112	1.9791	1.3362	
42	.233	1.0271	1.0271	1.0194	1.4880	1.7536	1.2603	
43	.239	1.0236	1.0236	1.0141	1.4995	1.6441	1.2225	
44	.244	1.0276	1.0276	1.0167	1.4966	1.7937	1.2742	
45	.250	1.0295	1.0295	1.0136	1.4732	1.8722	1.3013	
46	.256	1.0214	1.0214	1.0112	1.4488	1.8593	1.2955	
47	.261	1.0221	1.0221	1.0110	1.4672	1.6896	1.1946	
48	.267	1.0229	1.0229	1.0115	1.4844	1.2651	.4371	
49	.272	1.0215	1.0215	1.0088	1.4793	1.1599	.4087	
50	.278	1.0140	1.0140	1.0023	1.4709	1.1703	1.1279	
51	.283	1.0056	1.0056	1.0000	1.4600	1.0000	.0000	
52	.289	1.0053	1.0053	1.0000	1.4500	1.0000	.0000	
53	.294	1.0000	1.0000	1.0000	1.4400	1.0000	.0000	
54	.300	1.0111	1.0111	1.0010	1.0010	1.0010	.0004	
55	.306	1.0135	1.0135	1.0114	1.0114	1.0026	.0709	
56	.311	1.0125	1.0125	1.0111	1.0111	1.0020	.0007	
57	.317	1.0142	1.0142	1.0104	1.0104	1.0053	.0018	
58	.322	1.0177	1.0177	1.0101	1.0101	1.0075	.0026	
59	.328	1.0213	1.0213	1.0112	1.0112	1.0042	.0008	
60	.333	1.0261	1.0261	1.0100	1.0100	1.0000	.0000	

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12
 AVERAGE = 0.3100
 0.3100 1.0000 3.0000 5.0000 7.0000 9.0000 1.1500 1.3000 1.4500 1.6000 1.7500 1.9000

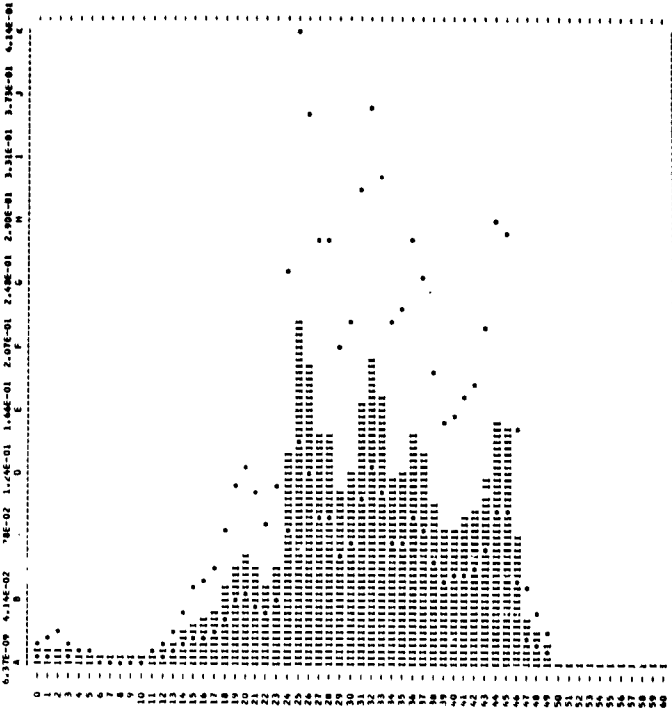


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 9/55 AV. T = 9.4 RECORD = JMC015
 HOUR = 3 SIG. HGT. = 7.7 UPPER HGT. = 8.3
 TOTAL DF = 287 CORR. VAR. = 3.8 LOWER HGT. = 7.2
 NOISE LEVEL = .0011 WIND SPEED = 20

H	PRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0007	.0007	.0076	.0141	.0049	
1	.006	.0109	.0109	.0094	.0094	.0174	.0040
2	.011	.0113	.0113	.0102	.0102	.0189	.0065
3	.017	.0083	.0083	.0072	.0072	.0139	.0006
4	.022	.0061	.0061	.0050	.0050	.0093	.0032
5	.028	.0046	.0046	.0036	.0036	.0063	.0023
6	.033	.0029	.0029	.0016	.0016	.0035	.0019
7	.039	.0027	.0027	.0014	.0014	.0042	.0014
8	.044	.0032	.0032	.0021	.0021	.0049	.0017
9	.050	.0031	.0031	.0020	.0024	.0044	.0015
10	.056	.0031	.0031	.0020	.0023	.0043	.0015
11	.061	.0040	.0040	.0027	.0042	.0070	.0027
12	.067	.0019	.0019	.0004	.0073	.0139	.0047
13	.072	.0106	.0106	.0095	.0110	.0203	.0070
14	.078	.0160	.0160	.0157	.0187	.0284	.0119
15	.083	.0228	.0228	.0217	.0267	.0493	.0170
16	.089	.0237	.0237	.0226	.0291	.0534	.0189
17	.094	.0261	.0261	.0250	.0338	.0623	.0215
18	.100	.0345	.0345	.0334	.0477	.0890	.0304
19	.106	.0419	.0419	.0408	.0420	.1144	.0399
20	.111	.0434	.0434	.0423	.0438	.1167	.0438
21	.117	.0361	.0361	.0350	.0411	.1127	.0380
22	.122	.0276	.0276	.0265	.0300	.0921	.0318
23	.128	.0323	.0323	.0312	.0438	.1175	.0468
24	.133	.0434	.0434	.0423	.1387	.1734	.0803
25	.139	.0933	.0933	.0922	.2246	.4140	.1430
26	.144	.0737	.0737	.0726	.1844	.3383	.1238
27	.150	.0522	.0522	.0511	.1510	.2783	.0941
28	.156	.0468	.0468	.0457	.1497	.2759	.0953
29	.161	.0319	.0319	.0308	.1123	.2070	.0715
30	.167	.0311	.0311	.0300	.1223	.2254	.0779
31	.172	.0382	.0382	.0371	.1496	.3125	.1080
32	.178	.0396	.0396	.0385	.1484	.3458	.1244
33	.183	.0309	.0309	.0298	.1736	.3200	.1106
34	.189	.0194	.0194	.0183	.1213	.2236	.0772
35	.194	.0178	.0178	.0167	.1162	.2326	.0808
36	.200	.0185	.0185	.0174	.1306	.2775	.0959
37	.206	.0149	.0149	.0138	.1372	.2730	.0974
38	.211	.0100	.0100	.0089	.1023	.1884	.0652
39	.217	.0075	.0075	.0064	.0855	.1975	.0744
40	.222	.0067	.0067	.0057	.0885	.1632	.0564
41	.228	.0063	.0063	.0053	.0935	.1723	.0592
42	.233	.0057	.0057	.0047	.0990	.1823	.0630
43	.239	.0053	.0053	.0048	.1190	.2193	.0758
44	.244	.0044	.0044	.0034	.1175	.2102	.0701
45	.250	.0042	.0042	.0034	.1537	.2832	.0979
46	.256	.0024	.0024	.0020	.0835	.1539	.0532
47	.261	.0013	.0013	.0008	.0280	.0514	.0164
48	.267	.0015	.0015	.0003	.0187	.0345	.0119
49	.272	.0012	.0012	.0002	.0118	.0218	.0075
50	.278	.0010	.0010	.0000	.0000	.0000	.0000
51	.283	.0010	.0010	.0000	.0000	.0000	.0000
52	.289	.0009	.0009	.0000	.0000	.0000	.0000
53	.294	.0007	.0007	.0000	.0000	.0000	.0000
54	.300	.0009	.0009	.0000	.0000	.0000	.0000
55	.306	.0015	.0015	.0004	.0004	.0007	.0002
56	.311	.0018	.0018	.0005	.0005	.0009	.0003
57	.317	.0013	.0013	.0003	.0003	.0005	.0002
58	.322	.0009	.0009	.0000	.0000	.0000	.0000
59	.328	.0008	.0008	.0000	.0000	.0000	.0000
60	.333	.0008	.0008	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3 AVERAGE = .000600
 6.37E-09 6.14E-02 1.8E-02 1.44E-01 1.44E-01 2.49E-01 2.49E-01 3.31E-01 3.31E-01 4.14E-01

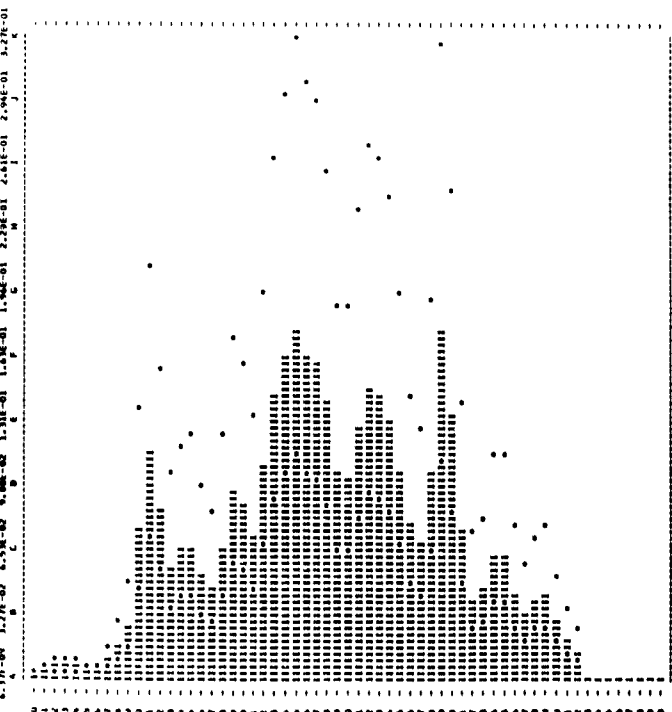


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 9/55 AV. T = 9.3 RECORD = JMC016
 HOUR = 9 SIG. HGT. = 7.9 UPPER HGT. = 8.4
 TOTAL DF = 356 CORR. VAR. = 3.9 LOWER HGT. = 7.5
 NOISE LEVEL = .0011 WIND SPEED = 25

H	PRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0024	.0024	.0013	.0013	.0023	.0008
1	.006	.0041	.0041	.0030	.0030	.0055	.0019
2	.011	.0061	.0061	.0050	.0050	.0091	.0032
3	.017	.0067	.0067	.0056	.0056	.0102	.0035
4	.022	.0068	.0068	.0057	.0057	.0104	.0036
5	.028	.0053	.0053	.0042	.0042	.0077	.0026
6	.033	.0036	.0036	.0025	.0040	.0073	.0025
7	.039	.0072	.0072	.0061	.0063	.0153	.0053
8	.044	.0044	.0044	.0140	.0128	.0299	.0102
9	.050	.0235	.0235	.0224	.0263	.0484	.0167
10	.056	.0657	.0657	.0646	.0736	.1356	.0469
11	.061	.1017	.1017	.1006	.1135	.2099	.0723
12	.067	.0758	.0758	.0747	.0847	.1561	.0539
13	.072	.0904	.0904	.0893	.0989	.1808	.0682
14	.078	.0952	.0952	.0941	.0942	.1893	.0726
15	.083	.0952	.0952	.0941	.0945	.1226	.0424
16	.089	.0419	.0419	.0408	.0524	.0969	.0339
17	.094	.0347	.0347	.0336	.0453	.0839	.0289
18	.100	.0477	.0477	.0466	.0465	.1225	.0423
19	.106	.0824	.0824	.0813	.0931	.1719	.0699
20	.111	.0980	.0980	.0969	.0979	.1812	.0757
21	.117	.0430	.0430	.0419	.0730	.1346	.0469
22	.122	.0576	.0576	.0565	.1063	.1959	.0677
23	.128	.0713	.0713	.0702	.1432	.2840	.0913
24	.133	.0739	.0739	.0728	.1610	.2982	.1030
25	.139	.0739	.0739	.0728	.1772	.3265	.1128
26	.144	.0623	.0623	.0612	.1642	.3027	.1046
27	.150	.0940	.0940	.0930	.1977	.3920	.1401
28	.156	.0639	.0639	.0628	.1399	.2576	.0901
29	.161	.0623	.0623	.0612	.1642	.3027	.1046
30	.167	.0263	.0263	.0252	.1024	.1886	.0692
31	.172	.0293	.0293	.0282	.1226	.2369	.0819
32	.178	.0266	.0266	.0255	.1476	.2780	.0960
33	.183	.0253	.0253	.0242	.1628	.2836	.0910
34	.189	.0211	.0211	.0200	.1320	.2433	.0840
35	.194	.0192	.0192	.0181	.1080	.1932	.0679
36	.200	.0101	.0101	.0090	.0773	.1429	.0492
37	.206	.0081	.0081	.0070	.0490	.1272	.0439
38	.211	.0103	.0103	.0092	.1068	.1932	.0687
39	.217	.0146	.0146	.0135	.1799	.3249	.1120
40	.222	.0109	.0109	.0098	.1347	.2483	.0888
41	.228	.0091	.0091	.0082	.0798	.1397	.0538
42	.233	.0087	.0087	.0078	.0608	.0732	.0280
43	.239	.0089	.0089	.0080	.0449	.0827	.0286
44	.244	.0039	.0039	.0032	.0611	.1127	.0384
45	.249	.0031	.0031	.0024	.0410	.0721	.0249
46	.256	.0020	.0020	.0010	.0428	.0789	.0272
47	.261	.0016	.0016	.0006	.0313	.0578	.0200
48	.267	.0019	.0019	.0007	.0341	.0621	.0214
49	.272	.0018	.0018	.0006	.0417	.0768	.0249
50	.278	.0014	.0014	.0003	.0288	.0531	.0183
51	.283	.0013	.0013	.0002	.0192	.0334	.0122
52	.289	.0013	.0013	.0001	.0118	.0254	.0088
53	.294	.0011	.0011	.0000	.0000	.0000	.0000
54	.300	.0010	.0010	.0000	.0000	.0000	.0000
55	.306	.0013	.0013	.0001	.0001	.0002	.0001
56	.311	.0014	.0014	.0002	.0002	.0004	.0001
57	.317	.0011	.0011	.0000	.0000	.0000	.0000
58	.322	.0009	.0009	.0000	.0000	.0000	.0000
59	.328	.0010	.0010	.0000	.0000	.0000	.0000
60	.333	.0010	.0010	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9 AVERAGE = .000600
 6.37E-09 6.14E-02 1.8E-02 1.44E-01 1.44E-01 2.49E-01 2.49E-01 3.31E-01 3.31E-01 4.14E-01



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/9/55 AV. T = 7.0 RECORD = JMC017
 HOUR = 15 SIG. HGT. = 14.0 UPPER HGT. = 16.0
 TOTAL OF 1659 CORR. V.A. = 15.7 LOWER HGT. = 13.5
 WIND SPEED = 0.625 HURR. LEVEL = 90

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0160	.0160	.0160	.0274	.0000
1	.0006	.0163	.0163	.0173	.0319	.0118
2	.0011	.0166	.0166	.0186	.0364	.0218
3	.0017	.0169	.0169	.0201	.0409	.0319
4	.0022	.0172	.0172	.0215	.0454	.0419
5	.0028	.0175	.0175	.0230	.0499	.0519
6	.0033	.0178	.0178	.0245	.0544	.0619
7	.0039	.0181	.0181	.0260	.0589	.0719
8	.0044	.0184	.0184	.0275	.0634	.0819
9	.0050	.0187	.0187	.0290	.0679	.0919
10	.0055	.0190	.0190	.0305	.0724	.1019
11	.0061	.0193	.0193	.0320	.0769	.1119
12	.0066	.0196	.0196	.0335	.0814	.1219
13	.0072	.0199	.0199	.0350	.0859	.1319
14	.0077	.0202	.0202	.0365	.0904	.1419
15	.0083	.0205	.0205	.0380	.0949	.1519
16	.0088	.0208	.0208	.0395	.1000	.1619
17	.0094	.0211	.0211	.0410	.1045	.1719
18	.0099	.0214	.0214	.0425	.1090	.1819
19	.0105	.0217	.0217	.0440	.1135	.1919
20	.0110	.0220	.0220	.0455	.1180	.2019
21	.0116	.0223	.0223	.0470	.1225	.2119
22	.0121	.0226	.0226	.0485	.1270	.2219
23	.0127	.0229	.0229	.0500	.1315	.2319
24	.0132	.0232	.0232	.0515	.1360	.2419
25	.0138	.0235	.0235	.0530	.1405	.2519
26	.0143	.0238	.0238	.0545	.1450	.2619
27	.0148	.0241	.0241	.0560	.1495	.2719
28	.0154	.0244	.0244	.0575	.1540	.2819
29	.0159	.0247	.0247	.0590	.1585	.2919
30	.0164	.0250	.0250	.0605	.1630	.3019
31	.0170	.0253	.0253	.0620	.1675	.3119
32	.0175	.0256	.0256	.0635	.1720	.3219
33	.0180	.0259	.0259	.0650	.1765	.3319
34	.0186	.0262	.0262	.0665	.1810	.3419
35	.0191	.0265	.0265	.0680	.1855	.3519
36	.0196	.0268	.0268	.0695	.1900	.3619
37	.0202	.0271	.0271	.0710	.1945	.3719
38	.0207	.0274	.0274	.0725	.1990	.3819
39	.0212	.0277	.0277	.0740	.2035	.3919
40	.0218	.0280	.0280	.0755	.2080	.4019
41	.0223	.0283	.0283	.0770	.2125	.4119
42	.0228	.0286	.0286	.0785	.2170	.4219
43	.0234	.0289	.0289	.0800	.2215	.4319
44	.0239	.0292	.0292	.0815	.2260	.4419
45	.0244	.0295	.0295	.0830	.2305	.4519
46	.0250	.0298	.0298	.0845	.2350	.4619
47	.0255	.0301	.0301	.0860	.2395	.4719
48	.0260	.0304	.0304	.0875	.2440	.4819
49	.0266	.0307	.0307	.0890	.2485	.4919
50	.0271	.0310	.0310	.0905	.2530	.5019
51	.0276	.0313	.0313	.0920	.2575	.5119
52	.0282	.0316	.0316	.0935	.2620	.5219
53	.0287	.0319	.0319	.0950	.2665	.5319
54	.0292	.0322	.0322	.0965	.2710	.5419
55	.0298	.0325	.0325	.0980	.2755	.5519
56	.0303	.0328	.0328	.0995	.2800	.5619
57	.0308	.0331	.0331	.1010	.2845	.5719
58	.0314	.0334	.0334	.1025	.2890	.5819
59	.0319	.0337	.0337	.1040	.2935	.5919
60	.0324	.0340	.0340	.1055	.2980	.6019

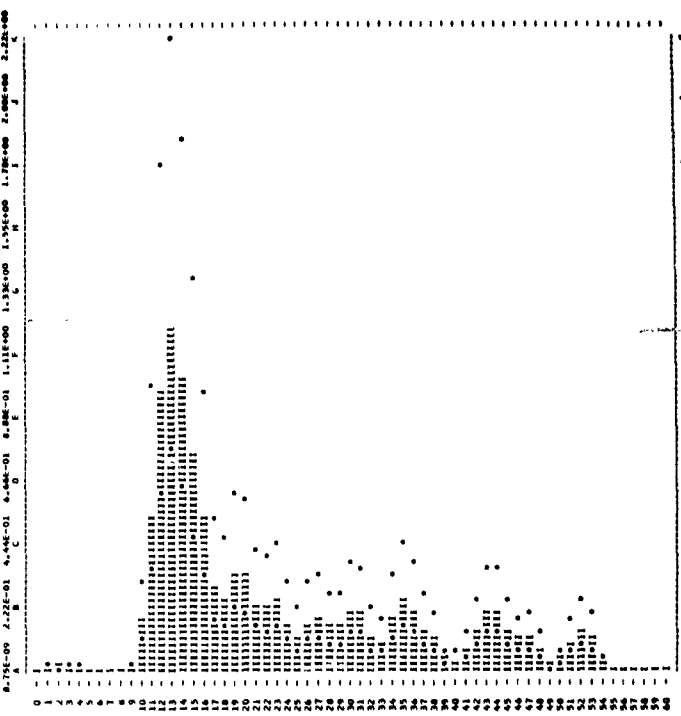
HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR=15
 AVERAGE = 2224482
 1.87E+00 3.67E+01 7.34E+01 1.10E+02 1.47E+02 1.84E+02 2.21E+02 2.58E+02 2.95E+02 3.32E+02 3.69E+02 4.06E+02 4.43E+02 4.80E+02 5.17E+02 5.54E+02 5.91E+02 6.28E+02 6.65E+02 7.02E+02 7.39E+02 7.76E+02 8.13E+02 8.50E+02 8.87E+02 9.24E+02 9.61E+02 9.98E+02 1.035E+03 1.072E+03 1.109E+03 1.146E+03 1.183E+03 1.220E+03 1.257E+03 1.294E+03 1.331E+03 1.368E+03 1.405E+03 1.442E+03 1.479E+03 1.516E+03 1.553E+03 1.590E+03 1.627E+03 1.664E+03 1.701E+03 1.738E+03 1.775E+03 1.812E+03 1.849E+03 1.886E+03 1.923E+03 1.960E+03 1.997E+03 2.034E+03 2.071E+03 2.108E+03 2.145E+03 2.182E+03 2.219E+03 2.256E+03 2.293E+03 2.330E+03 2.367E+03 2.404E+03 2.441E+03 2.478E+03 2.515E+03 2.552E+03 2.589E+03 2.626E+03 2.663E+03 2.700E+03 2.737E+03 2.774E+03 2.811E+03 2.848E+03 2.885E+03 2.922E+03 2.959E+03 2.996E+03 3.033E+03 3.070E+03 3.107E+03 3.144E+03 3.181E+03 3.218E+03 3.255E+03 3.292E+03 3.329E+03 3.366E+03 3.403E+03 3.440E+03 3.477E+03 3.514E+03 3.551E+03 3.588E+03 3.625E+03 3.662E+03 3.699E+03 3.736E+03 3.773E+03 3.810E+03 3.847E+03 3.884E+03 3.921E+03 3.958E+03 3.995E+03 4.032E+03 4.069E+03 4.106E+03 4.143E+03 4.180E+03 4.217E+03 4.254E+03 4.291E+03 4.328E+03 4.365E+03 4.402E+03 4.439E+03 4.476E+03 4.513E+03 4.550E+03 4.587E+03 4.624E+03 4.661E+03 4.698E+03 4.735E+03 4.772E+03 4.809E+03 4.846E+03 4.883E+03 4.920E+03 4.957E+03 4.994E+03 5.031E+03 5.068E+03 5.105E+03 5.142E+03 5.179E+03 5.216E+03 5.253E+03 5.290E+03 5.327E+03 5.364E+03 5.401E+03 5.438E+03 5.475E+03 5.512E+03 5.549E+03 5.586E+03 5.623E+03 5.660E+03 5.697E+03 5.734E+03 5.771E+03 5.808E+03 5.845E+03 5.882E+03 5.919E+03 5.956E+03 5.993E+03 6.030E+03 6.067E+03 6.104E+03 6.141E+03 6.178E+03 6.215E+03 6.252E+03 6.289E+03 6.326E+03 6.363E+03 6.400E+03 6.437E+03 6.474E+03 6.511E+03 6.548E+03 6.585E+03 6.622E+03 6.659E+03 6.696E+03 6.733E+03 6.770E+03 6.807E+03 6.844E+03 6.881E+03 6.918E+03 6.955E+03 6.992E+03 7.029E+03 7.066E+03 7.103E+03 7.140E+03 7.177E+03 7.214E+03 7.251E+03 7.288E+03 7.325E+03 7.362E+03 7.399E+03 7.436E+03 7.473E+03 7.510E+03 7.547E+03 7.584E+03 7.621E+03 7.658E+03 7.695E+03 7.732E+03 7.769E+03 7.806E+03 7.843E+03 7.880E+03 7.917E+03 7.954E+03 7.991E+03 8.028E+03 8.065E+03 8.102E+03 8.139E+03 8.176E+03 8.213E+03 8.250E+03 8.287E+03 8.324E+03 8.361E+03 8.398E+03 8.435E+03 8.472E+03 8.509E+03 8.546E+03 8.583E+03 8.620E+03 8.657E+03 8.694E+03 8.731E+03 8.768E+03 8.805E+03 8.842E+03 8.879E+03 8.916E+03 8.953E+03 8.990E+03 9.027E+03 9.064E+03 9.101E+03 9.138E+03 9.175E+03 9.212E+03 9.249E+03 9.286E+03 9.323E+03 9.360E+03 9.397E+03 9.434E+03 9.471E+03 9.508E+03 9.545E+03 9.582E+03 9.619E+03 9.656E+03 9.693E+03 9.730E+03 9.767E+03 9.804E+03 9.841E+03 9.878E+03 9.915E+03 9.952E+03 9.989E+03 1.0026E+04 1.0063E+04 1.0100E+04 1.0137E+04 1.0174E+04 1.0211E+04 1.0248E+04 1.0285E+04 1.0322E+04 1.0359E+04 1.0396E+04 1.0433E+04 1.0470E+04 1.0507E+04 1.0544E+04 1.0581E+04 1.0618E+04 1.0655E+04 1.0692E+04 1.0729E+04 1.0766E+04 1.0803E+04 1.0840E+04 1.0877E+04 1.0914E+04 1.0951E+04 1.0988E+04 1.1025E+04 1.1062E+04 1.1099E+04 1.1136E+04 1.1173E+04 1.1210E+04 1.1247E+04 1.1284E+04 1.1321E+04 1.1358E+04 1.1395E+04 1.1432E+04 1.1469E+04 1.1506E+04 1.1543E+04 1.1580E+04 1.1617E+04 1.1654E+04 1.1691E+04 1.1728E+04 1.1765E+04 1.1802E+04 1.1839E+04 1.1876E+04 1.1913E+04 1.1950E+04 1.1987E+04 1.2024E+04 1.2061E+04 1.2098E+04 1.2135E+04 1.2172E+04 1.2209E+04 1.2246E+04 1.2283E+04 1.2320E+04 1.2357E+04 1.2394E+04 1.2431E+04 1.2468E+04 1.2505E+04 1.2542E+04 1.2579E+04 1.2616E+04 1.2653E+04 1.2690E+04 1.2727E+04 1.2764E+04 1.2801E+04 1.2838E+04 1.2875E+04 1.2912E+04 1.2949E+04 1.2986E+04 1.3023E+04 1.3060E+04 1.3097E+04 1.3134E+04 1.3171E+04 1.3208E+04 1.3245E+04 1.3282E+04 1.3319E+04 1.3356E+04 1.3393E+04 1.3430E+04 1.3467E+04 1.3504E+04 1.3541E+04 1.3578E+04 1.3615E+04 1.3652E+04 1.3689E+04 1.3726E+04 1.3763E+04 1.3800E+04 1.3837E+04 1.3874E+04 1.3911E+04 1.3948E+04 1.3985E+04 1.4022E+04 1.4059E+04 1.4096E+04 1.4133E+04 1.4170E+04 1.4207E+04 1.4244E+04 1.4281E+04 1.4318E+04 1.4355E+04 1.4392E+04 1.4429E+04 1.4466E+04 1.4503E+04 1.4540E+04 1.4577E+04 1.4614E+04 1.4651E+04 1.4688E+04 1.4725E+04 1.4762E+04 1.4799E+04 1.4836E+04 1.4873E+04 1.4910E+04 1.4947E+04 1.4984E+04 1.5021E+04 1.5058E+04 1.5095E+04 1.5132E+04 1.5169E+04 1.5206E+04 1.5243E+04 1.5280E+04 1.5317E+04 1.5354E+04 1.5391E+04 1.5428E+04 1.5465E+04 1.5502E+04 1.5539E+04 1.5576E+04 1.5613E+04 1.5650E+04 1.5687E+04 1.5724E+04 1.5761E+04 1.5798E+04 1.5835E+04 1.5872E+04 1.5909E+04 1.5946E+04 1.5983E+04 1.6020E+04 1.6057E+04 1.6094E+04 1.6131E+04 1.6168E+04 1.6205E+04 1.6242E+04 1.6279E+04 1.6316E+04 1.6353E+04 1.6390E+04 1.6427E+04 1.6464E+04 1.6501E+04 1.6538E+04 1.6575E+04 1.6612E+04 1.6649E+04 1.6686E+04 1.6723E+04 1.6760E+04 1.6797E+04 1.6834E+04 1.6871E+04 1.6908E+04 1.6945E+04 1.6982E+04 1.7019E+04 1.7056E+04 1.7093E+04 1.7130E+04 1.7167E+04 1.7204E+04 1.7241E+04 1.7278E+04 1.7315E+04 1.7352E+04 1.7389E+04 1.7426E+04 1.7463E+04 1.7500E+04 1.7537E+04 1.7574E+04 1.7611E+04 1.7648E+04 1.7685E+04 1.7722E+04 1.7759E+04 1.7796E+04 1.7833E+04 1.7870E+04 1.7907E+04 1.7944E+04 1.7981E+04 1.8018E+04 1.8055E+04 1.8092E+04 1.8129E+04 1.8166E+04 1.8203E+04 1.8240E+04 1.8277E+04 1.8314E+04 1.8351E+04 1.8388E+04 1.8425E+04 1.8462E+04 1.8499E+04 1.8536E+04 1.8573E+04 1.8610E+04 1.8647E+04 1.8684E+04 1.8721E+04 1.8758E+04 1.8795E+04 1.8832E+04 1.8869E+04 1.8906E+04 1.8943E+04 1.8980E+04 1.9017E+04 1.9054E+04 1.9091E+04 1.9128E+04 1.9165E+04 1.9202E+04 1.9239E+04 1.9276E+04 1.9313E+04 1.9350E+04 1.9387E+04 1.9424E+04 1.9461E+04 1.9498E+04 1.9535E+04 1.9572E+04 1.9609E+04 1.9646E+04 1.9683E+04 1.9720E+04 1.9757E+04 1.9794E+04 1.9831E+04 1.9868E+04 1.9905E+04 1.9942E+04 1.9979E+04 2.0016E+04 2.0053E+04 2.0090E+04 2.0127E+04 2.0164E+04 2.0201E+04 2.0238E+04 2.0275E+04 2.0312E+04 2.0349E+04 2.0386E+04 2.0423E+04 2.0460E+04 2.0497E+04 2.0534E+04 2.0571E+04 2.0608E+04 2.0645E+04 2.0682E+04 2.0719E+04 2.0756E+04 2.0793E+04 2.0830E+04 2.0867E+04 2.0904E+04 2.0941E+04 2.0978E+04 2.1015E+04 2.1052E+04 2.1089E+04 2.1126E+04 2.1163E+04 2.1200E+04 2.1237E+04 2.1274E+04 2.1311E+04 2.1348E+04 2.1385E+04 2.1422E+04 2.1459E+04 2.1496E+04 2.1533E+04 2.1570E+04 2.1607E+04 2.1644E+04 2.1681E+04 2.1718E+04 2.1755E+04 2.1792E+04 2.1829E+04 2.1866E+04 2.1903E+04 2.1940E+04 2.1977E+04 2.2014E+04 2.2051E+04 2.2088E+04 2.2125E+04 2.2162E+04 2.2199E+04 2.2236E+04 2.2273E+04 2.2310E+04 2.2347E+04 2.2384E+04 2.2421E+04 2.2458E+04 2.2495E+04 2.2532E+04 2.2569E+04 2.2606E+04 2.2643E+04 2.2680E+04 2.2717E+04 2.2754E+04 2.2791E+04 2.2828E+04 2.2865E+04 2.2902E+04 2.2939E+04 2.2976E+04 2.3013E+04 2.3050E+04 2.3087E+04 2.3124E+04 2.3161E+04 2.3198E+04 2.3235E+04 2.3272E+04 2.3309E+04 2.3346E+04 2.3383E+04 2.3420E+04 2.3457E+04 2.3494E+04 2.3531E+04 2.3568E+04 2.3605E+04 2.3642E+04 2.3679E+04 2.3716E+04 2.3753E+04 2.3790E+04 2.3827E+04 2.3864E+04 2.3901E+04 2.3938E+04 2.3975E+04 2.4012E+04 2.4049E+04 2.4086E+04 2.4123E+04 2.4160E+04 2.4197E+04 2.4234E+04 2.4271E+04 2.4308E+04 2.4345E+04 2.4382E+04 2.4419E+04 2.4456E+04 2.4493E+04 2.4530E+04 2.4567E+04 2.4604E+04 2.4641E+04 2.4678E+04 2.4715E+04 2.4752E+04 2.4789E+04 2.4826E+04 2.4863E+04 2.4900E+04 2.4937E+04 2.4974E+04 2.5011E+04 2.5048E+04 2.5085E+04 2.5122E+04 2.5159E+04 2.5196E+04 2.5233E+04 2.5270E+04 2.5307E+04 2.5344E+04 2.5381E+04 2.5418E+04 2.5455E+04 2.5492E+04 2.5529E+04 2.5566E+04 2.5603E+04 2.5640E+04 2.5677E+04 2.5714E+04 2.5751E+04 2.5788E+04 2.5825E+04 2.5862E+04 2.5899E+04 2.5936E+04 2.5973E+04 2.6010E+04 2.6047E+04 2.6084E+04 2.6121E+04 2.6158E+04 2.6195E+04 2.6232E+04 2.6269E+04 2.6306E+04 2.6343E+04 2.6380E+04 2.6417E+04 2.6454E+04 2.6491E+04 2.6528E+04 2.6565E+04 2.6602E+04 2.6639E+04 2.6676E+04 2.6713E+04 2.6750E+04 2.6787E+04 2.6824E+04 2.6861E+04 2.6898E+04 2.6935E+04 2.6972E+04 2.7009E+04 2.7046E+04 2.7083E+04 2.7120E+04 2.7157E+04 2.7194E+04 2.7231E+04 2.7268E+04 2.7305E+04 2.7342E+04 2.7379E+04 2.7416E+04 2.7453E+04 2.7490E+04 2.7527E+04 2.7564E+04 2.7601E+04 2.7638E+04 2.7675E+04 2.7712E+04 2.7749E+04 2.778

HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 20/9/55 AV. T = 7.0 RECORD = JMC019
 HOUR = 3 SIG.HGT. = 18.3 UPPER HGT. = 10.4
 TOTAL OF #213 CORR. VAR. = 11.0 LOWER HGT. = 12.3
 NOISE LEVEL = .0029 WIND SPEED = 25

H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0030	.0050	.0020	.0026	.0047	.0016
1	.006	.0061	.0091	.0061	.0064	.0122	.0062
2	.011	.0130	.0138	.0114	.0114	.0209	.0072
3	.017	.0123	.0123	.0099	.0099	.0182	.0063
4	.022	.0100	.0100	.0078	.0078	.0140	.0060
5	.028	.0068	.0068	.0043	.0043	.0080	.0028
6	.033	.0046	.0046	.0019	.0031	.0058	.0020
7	.039	.0020	.0020	.0000	.0000	.0000	.0000
8	.044	.0054	.0054	.0030	.0037	.0068	.0023
9	.050	.0110	.0110	.0086	.0101	.0185	.0084
10	.056	.0159	.0159	.0106	.0103	.0139	.0106
11	.061	.0219	.0219	.0195	.0214	.0378	.0247
12	.067	.0360	.0360	.0355	.0361	.0764	.0464
13	.072	1.0481	1.0481	1.0427	1.0400	2.2191	1.0466
14	.078	.0381	.0381	.0356	1.0156	1.0720	.0467
15	.083	.0676	.0676	.0649	.0743	1.2718	.0739
16	.088	.0163	.0163	.0119	.0290	.0751	.0389
17	.094	.0137	.0137	.0112	.0283	.0758	.0416
18	.100	.0201	.0201	.0177	.0257	.0870	.0415
19	.106	.0280	.0280	.0255	.0427	.0934	.0482
20	.111	.0240	.0240	.0216	.0276	.0936	.0485
21	.117	.0355	.0355	.0320	.0303	.0265	.0466
22	.122	.0290	.0290	.0265	.0214	.0400	.0410
23	.128	.0197	.0197	.0173	.0294	.0413	.0325
24	.133	.0267	.0267	.0242	.0402	.0303	.0391
25	.139	.0321	.0321	.0296	.0208	.0226	.0260
26	.144	.0436	.0436	.0410	.0431	.0307	.0339
27	.150	.0556	.0556	.0531	.0484	.0436	.0417
28	.156	.0470	.0470	.0445	.0488	.0742	.0447
29	.161	.0432	.0432	.0408	.0486	.0735	.0465
30	.167	.0316	.0316	.0291	.0491	.0471	.0468
31	.172	.0456	.0456	.0431	.0467	.0626	.0453
32	.178	.0256	.0256	.0232	.0193	.0299	.0260
33	.183	.0195	.0195	.0170	.0091	.0126	.0083
34	.189	.0291	.0291	.0266	.0159	.0242	.0120
35	.194	.0345	.0345	.0320	.0216	.0453	.0328
36	.200	.0267	.0267	.0242	.0201	.0385	.0332
37	.206	.0168	.0168	.0143	.0422	.0221	.0095
38	.211	.0119	.0119	.0094	.0074	.0197	.0086
39	.217	.0095	.0095	.0070	.0402	.0740	.0276
40	.222	.0036	.0036	.0022	.0332	.0412	.0212
41	.228	.0062	.0062	.0037	.0061	.0232	.0046
42	.233	.0088	.0088	.0063	.0131	.0456	.0048
43	.239	.0111	.0111	.0078	.0145	.0385	.0238
44	.244	.0101	.0101	.0067	.0170	.0631	.0254
45	.250	.0064	.0064	.0039	.0352	.0482	.0061
46	.256	.0044	.0044	.0024	.0104	.0487	.0044
47	.261	.0053	.0053	.0022	.0073	.0178	.0048
48	.267	.0036	.0036	.0011	.0076	.0430	.0030
49	.272	.0022	.0022	.0002	.0151	.0279	.0006
50	.278	.0028	.0028	.0004	.0339	.0425	.0216
51	.283	.0035	.0035	.0004	.0077	.0184	.0047
52	.289	.0036	.0036	.0010	.0173	.0346	.0011
53	.294	.0031	.0031	.0007	.0032	.0193	.0037
54	.300	.0027	.0027	.0001	.0259	.0477	.0019
55	.306	.0019	.0019	.0000	.0000	.0000	.0000
56	.311	.0016	.0016	.0000	.0000	.0000	.0000
57	.317	.0021	.0021	.0000	.0000	.0000	.0000
58	.322	.0027	.0027	.0004	.0000	.0000	.0000
59	.328	.0020	.0020	.0000	.0000	.0000	.0000
60	.333	.0013	.0013	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963 JMC019 20/9/55
 HOUR: 3 AVERAGE = .233E+02
 SIG.HGT. = 18.3 UPPER HGT. = 10.4
 CORR. VAR. = 11.0 LOWER HGT. = 12.3
 NOISE LEVEL = .0029 WIND SPEED = 25

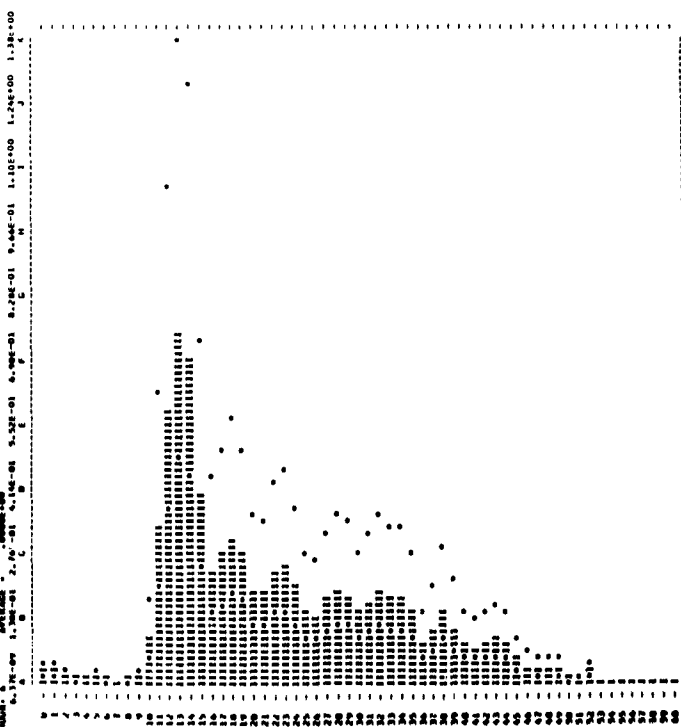


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/9/55 AV. T = 7.3 RECORD = JMC020
 HOUR = 3 SIG.HGT. = 11.4 UPPER HGT. = 12.3
 TOTAL OF #252 CORR. VAR. = 8.1 LOWER HGT. = 10.4
 NOISE LEVEL = .0029 WIND SPEED = 0

H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0282	.0282	.0253	.0253	.0466	.0161
1	.009	.0290	.0290	.0261	.0261	.0481	.0166
2	.011	.0214	.0214	.0185	.0185	.0341	.0118
3	.017	.0139	.0139	.0110	.0110	.0203	.0070
4	.022	.0145	.0145	.0116	.0116	.0214	.0074
5	.028	.0092	.0092	.0063	.0063	.0187	.0060
6	.033	.0051	.0051	.0022	.0030	.0055	.0019
7	.039	.0088	.0088	.0059	.0073	.0135	.0047
8	.044	.0134	.0134	.0105	.0123	.0227	.0078
9	.050	.0184	.0184	.0155	.0173	.0319	.0109
10	.056	.0244	.0244	.0215	.0233	.0411	.0140
11	.061	.0295	.0295	.0266	.0284	.0503	.0171
12	.067	.0344	.0344	.0315	.0333	.0595	.0202
13	.072	.0415	.0415	.0386	.0404	.0687	.0233
14	.078	.0487	.0487	.0458	.0476	.0779	.0264
15	.083	.0558	.0558	.0529	.0547	.0871	.0295
16	.088	.0629	.0629	.0600	.0618	.0963	.0326
17	.094	.0700	.0700	.0671	.0689	.1055	.0357
18	.100	.0771	.0771	.0742	.0760	.1147	.0388
19	.106	.0842	.0842	.0813	.0831	.1239	.0419
20	.111	.0913	.0913	.0884	.0902	.1331	.0450
21	.117	.0984	.0984	.0955	.0973	.1423	.0481
22	.122	.1055	.1055	.1026	.1044	.1515	.0512
23	.128	.1126	.1126	.1097	.1115	.1607	.0543
24	.133	.0965	.0965	.0936	.0954	.1499	.0474
25	.139	.0804	.0804	.0775	.0793	.1391	.0405
26	.144	.0643	.0643	.0614	.0632	.1283	.0336
27	.150	.0482	.0482	.0453	.0471	.1175	.0267
28	.156	.0321	.0321	.0292	.0310	.1067	.0198
29	.161	.0160	.0160	.0131	.0149	.0959	.0129
30	.167	.0099	.0099	.0070	.0088	.0851	.0060
31	.172	.0038	.0038	.0009	.0027	.0743	.0031
32	.178	.0010	.0010	.0001	.0001	.0635	.0002
33	.183	.0037	.0037	.0008	.0018	.0527	.0003
34	.189	.0067	.0067	.0007	.0017	.0419	.0004
35	.194	.0097	.0097	.0006	.0016	.0311	.0005
36	.200	.0127	.0127	.0005	.0015	.0203	.0006
37	.206	.0157	.0157	.0004	.0014	.0095	.0007
38	.211	.0187	.0187	.0003	.0013	.0087	.0008
39	.217	.0217	.0217	.0002	.0012	.0079	.0009
40	.222	.0247	.0247	.0001	.0011	.0071	.0010
41	.228	.0277	.0277	.0000	.0010	.0063	.0011
42	.233	.0307	.0307	.0000	.0009	.0055	.0012
43	.239	.0337	.0337	.0000	.0008	.0047	.0013
44	.244	.0367	.0367	.0000	.0007	.0039	.0014
45	.250	.0397	.0397	.0000	.0006	.0031	.0015
46	.256	.0427	.0427	.0000	.0005	.0023	.0016
47	.261	.0457	.0457	.0000	.0004	.0015	.0017
48	.267	.0487	.0487	.0000	.0003	.0007	.0018
49	.272	.0517	.0517	.0000	.0002	.0009	.0019
50	.278	.0547	.0547	.0000	.0001	.0001	.0020
51	.283	.0577	.0577	.0000	.0000	.0000	.0021
52	.289	.0607	.0607	.0000	.0000	.0000	.0022
53	.294	.0637	.0637	.0000	.0000	.0000	.0023
54	.300	.0667	.0667	.0000	.0000	.0000	.0024
55	.306	.0697	.0697	.0000	.0000	.0000	.0025
56	.311	.0727	.0727	.0000	.0000	.0000	.0026
57	.317	.0757	.0757	.0000	.0000	.0000	.0027
58	.322	.0787	.0787	.0000	.0000	.0000	.0028
59	.328	.0817	.0817	.0000	.0000	.0000	.0029
60	.333	.0847	.0847	.0000	.0000	.0000	.0030

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963 JMC020 20/9/55
 HOUR: 3 AVERAGE = .000E+00
 SIG.HGT. = 11.4 UPPER HGT. = 12.3
 CORR. VAR. = 8.1 LOWER HGT. = 10.4
 NOISE LEVEL = .0029 WIND SPEED = 0



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 9/55 AV. T = 6.3 RECORD = JMC21
 HOUR = 13 SIG.WGT. = 15.0 UPPER WGT. = 16.4
 TOTAL DF = 304 CORR. F.M. = 1.3 LOWER WGT. = 16.4
 NOISE LEVEL = .0035 WIND SPEED = 5

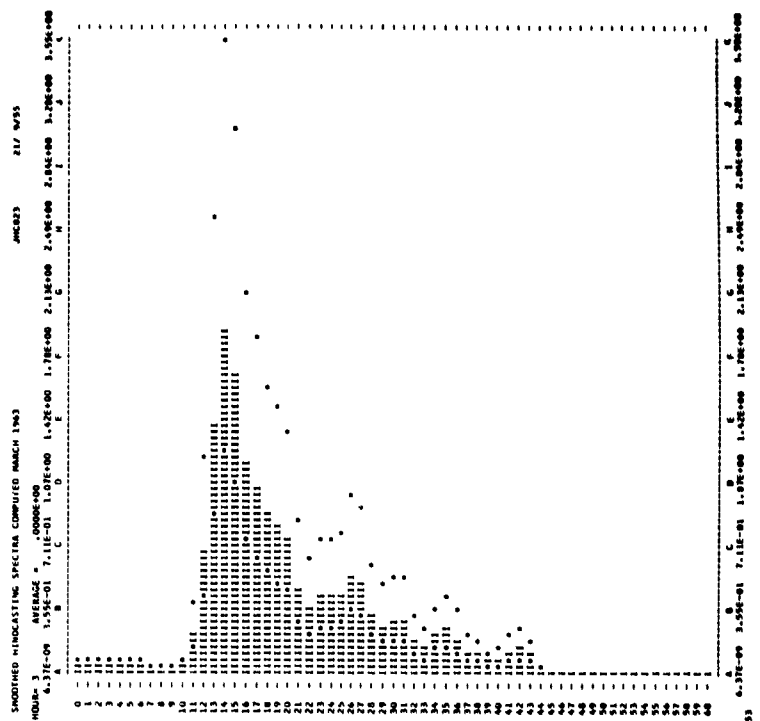
H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.0134	.0136	.0095	.0095	.0170
1	.006	.0319	.0319	.0200	.0200	.0316
2	.012	.0468	.0468	.0290	.0290	.0442
3	.017	.0584	.0584	.0375	.0375	.0527
4	.022	.0677	.0677	.0450	.0450	.0612
5	.028	.0750	.0750	.0516	.0516	.0688
6	.033	.0816	.0816	.0573	.0573	.0754
7	.039	.0867	.0867	.0620	.0620	.0810
8	.044	.0914	.0914	.0660	.0660	.0856
9	.050	.0956	.0956	.0695	.0695	.0894
10	.056	.1000	.1000	.0725	.0725	.0926
11	.061	.1039	.1039	.0750	.0750	.0952
12	.067	.1072	.1072	.0770	.0770	.0974
13	.072	.1100	.1100	.0785	.0785	.0990
14	.078	.1124	.1124	.0796	.0796	.1000
15	.083	.1144	.1144	.0803	.0803	.1006
16	.089	.1160	.1160	.0807	.0807	.1009
17	.094	.1173	.1173	.0809	.0809	.1011
18	.100	.1183	.1183	.0808	.0808	.1012
19	.106	.1190	.1190	.0805	.0805	.1011
20	.111	.1195	.1195	.0800	.0800	.1008
21	.117	.1198	.1198	.0793	.0793	.1003
22	.122	.1199	.1199	.0784	.0784	.0996
23	.128	.1197	.1197	.0773	.0773	.0987
24	.133	.1192	.1192	.0760	.0760	.0976
25	.139	.1184	.1184	.0745	.0745	.0963
26	.144	.1173	.1173	.0728	.0728	.0948
27	.150	.1159	.1159	.0709	.0709	.0931
28	.156	.1142	.1142	.0688	.0688	.0912
29	.161	.1122	.1122	.0665	.0665	.0890
30	.167	.1100	.1100	.0640	.0640	.0866
31	.172	.1075	.1075	.0613	.0613	.0840
32	.178	.1048	.1048	.0584	.0584	.0812
33	.183	.1019	.1019	.0553	.0553	.0782
34	.189	.0988	.0988	.0520	.0520	.0750
35	.194	.0955	.0955	.0485	.0485	.0716
36	.200	.0920	.0920	.0448	.0448	.0680
37	.206	.0883	.0883	.0409	.0409	.0642
38	.211	.0844	.0844	.0368	.0368	.0602
39	.217	.0803	.0803	.0325	.0325	.0560
40	.222	.0760	.0760	.0280	.0280	.0516
41	.228	.0714	.0714	.0233	.0233	.0470
42	.233	.0675	.0675	.0184	.0184	.0422
43	.239	.0633	.0633	.0133	.0133	.0372
44	.244	.0588	.0588	.0079	.0079	.0320
45	.250	.0542	.0542	.0023	.0023	.0266
46	.256	.0494	.0494	.0000	.0000	.0210
47	.261	.0444	.0444	.0000	.0000	.0152
48	.267	.0392	.0392	.0000	.0000	.0094
49	.272	.0338	.0338	.0000	.0000	.0036
50	.278	.0282	.0282	.0000	.0000	.0000
51	.283	.0224	.0224	.0000	.0000	.0000
52	.289	.0164	.0164	.0000	.0000	.0000
53	.294	.0102	.0102	.0000	.0000	.0000
54	.300	.0038	.0038	.0000	.0000	.0000
55	.306	.0000	.0000	.0000	.0000	.0000
56	.311	.0000	.0000	.0000	.0000	.0000
57	.317	.0000	.0000	.0000	.0000	.0000
58	.322	.0000	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000
60	.333	.0000	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .00000000
 HOURS=09 1.70E+01 3.30E+01 4.90E+01 6.50E+01 8.10E+01 9.70E+01 1.13E+02 1.29E+02 1.45E+02 1.61E+02 1.77E+02 1.93E+02 2.09E+02 2.25E+02 2.41E+02 2.57E+02 2.73E+02 2.89E+02 3.05E+02 3.21E+02 3.37E+02 3.53E+02 3.69E+02 3.85E+02 4.01E+02 4.17E+02 4.33E+02 4.49E+02 4.65E+02 4.81E+02 4.97E+02 5.13E+02 5.29E+02 5.45E+02 5.61E+02 5.77E+02 5.93E+02 6.09E+02 6.25E+02 6.41E+02 6.57E+02 6.73E+02 6.89E+02 7.05E+02 7.21E+02 7.37E+02 7.53E+02 7.69E+02 7.85E+02 8.01E+02 8.17E+02 8.33E+02 8.49E+02 8.65E+02 8.81E+02 8.97E+02 9.13E+02 9.29E+02 9.45E+02 9.61E+02 9.77E+02 9.93E+02 1.009E+03 1.025E+03 1.041E+03 1.057E+03 1.073E+03 1.089E+03 1.105E+03 1.121E+03 1.137E+03 1.153E+03 1.169E+03 1.185E+03 1.201E+03 1.217E+03 1.233E+03 1.249E+03 1.265E+03 1.281E+03 1.297E+03 1.313E+03 1.329E+03 1.345E+03 1.361E+03 1.377E+03 1.393E+03 1.409E+03 1.425E+03 1.441E+03 1.457E+03 1.473E+03 1.489E+03 1.505E+03 1.521E+03 1.537E+03 1.553E+03 1.569E+03 1.585E+03 1.601E+03 1.617E+03 1.633E+03 1.649E+03 1.665E+03 1.681E+03 1.697E+03 1.713E+03 1.729E+03 1.745E+03 1.761E+03 1.777E+03 1.793E+03 1.809E+03 1.825E+03 1.841E+03 1.857E+03 1.873E+03 1.889E+03 1.905E+03 1.921E+03 1.937E+03 1.953E+03 1.969E+03 1.985E+03 2.001E+03 2.017E+03 2.033E+03 2.049E+03 2.065E+03 2.081E+03 2.097E+03 2.113E+03 2.129E+03 2.145E+03 2.161E+03 2.177E+03 2.193E+03 2.209E+03 2.225E+03 2.241E+03 2.257E+03 2.273E+03 2.289E+03 2.305E+03 2.321E+03 2.337E+03 2.353E+03 2.369E+03 2.385E+03 2.401E+03 2.417E+03 2.433E+03 2.449E+03 2.465E+03 2.481E+03 2.497E+03 2.513E+03 2.529E+03 2.545E+03 2.561E+03 2.577E+03 2.593E+03 2.609E+03 2.625E+03 2.641E+03 2.657E+03 2.673E+03 2.689E+03 2.705E+03 2.721E+03 2.737E+03 2.753E+03 2.769E+03 2.785E+03 2.801E+03 2.817E+03 2.833E+03 2.849E+03 2.865E+03 2.881E+03 2.897E+03 2.913E+03 2.929E+03 2.945E+03 2.961E+03 2.977E+03 2.993E+03 3.009E+03 3.025E+03 3.041E+03 3.057E+03 3.073E+03 3.089E+03 3.105E+03 3.121E+03 3.137E+03 3.153E+03 3.169E+03 3.185E+03 3.201E+03 3.217E+03 3.233E+03 3.249E+03 3.265E+03 3.281E+03 3.297E+03 3.313E+03 3.329E+03 3.345E+03 3.361E+03 3.377E+03 3.393E+03 3.409E+03 3.425E+03 3.441E+03 3.457E+03 3.473E+03 3.489E+03 3.505E+03 3.521E+03 3.537E+03 3.553E+03 3.569E+03 3.585E+03 3.601E+03 3.617E+03 3.633E+03 3.649E+03 3.665E+03 3.681E+03 3.697E+03 3.713E+03 3.729E+03 3.745E+03 3.761E+03 3.777E+03 3.793E+03 3.809E+03 3.825E+03 3.841E+03 3.857E+03 3.873E+03 3.889E+03 3.905E+03 3.921E+03 3.937E+03 3.953E+03 3.969E+03 3.985E+03 4.001E+03 4.017E+03 4.033E+03 4.049E+03 4.065E+03 4.081E+03 4.097E+03 4.113E+03 4.129E+03 4.145E+03 4.161E+03 4.177E+03 4.193E+03 4.209E+03 4.225E+03 4.241E+03 4.257E+03 4.273E+03 4.289E+03 4.305E+03 4.321E+03 4.337E+03 4.353E+03 4.369E+03 4.385E+03 4.401E+03 4.417E+03 4.433E+03 4.449E+03 4.465E+03 4.481E+03 4.497E+03 4.513E+03 4.529E+03 4.545E+03 4.561E+03 4.577E+03 4.593E+03 4.609E+03 4.625E+03 4.641E+03 4.657E+03 4.673E+03 4.689E+03 4.705E+03 4.721E+03 4.737E+03 4.753E+03 4.769E+03 4.785E+03 4.801E+03 4.817E+03 4.833E+03 4.849E+03 4.865E+03 4.881E+03 4.897E+03 4.913E+03 4.929E+03 4.945E+03 4.961E+03 4.977E+03 4.993E+03 5.009E+03 5.025E+03 5.041E+03 5.057E+03 5.073E+03 5.089E+03 5.105E+03 5.121E+03 5.137E+03 5.153E+03 5.169E+03 5.185E+03 5.201E+03 5.217E+03 5.233E+03 5.249E+03 5.265E+03 5.281E+03 5.297E+03 5.313E+03 5.329E+03 5.345E+03 5.361E+03 5.377E+03 5.393E+03 5.409E+03 5.425E+03 5.441E+03 5.457E+03 5.473E+03 5.489E+03 5.505E+03 5.521E+03 5.537E+03 5.553E+03 5.569E+03 5.585E+03 5.601E+03 5.617E+03 5.633E+03 5.649E+03 5.665E+03 5.681E+03 5.697E+03 5.713E+03 5.729E+03 5.745E+03 5.761E+03 5.777E+03 5.793E+03 5.809E+03 5.825E+03 5.841E+03 5.857E+03 5.873E+03 5.889E+03 5.905E+03 5.921E+03 5.937E+03 5.953E+03 5.969E+03 5.985E+03 6.001E+03 6.017E+03 6.033E+03 6.049E+03 6.065E+03 6.081E+03 6.097E+03 6.113E+03 6.129E+03 6.145E+03 6.161E+03 6.177E+03 6.193E+03 6.209E+03 6.225E+03 6.241E+03 6.257E+03 6.273E+03 6.289E+03 6.305E+03 6.321E+03 6.337E+03 6.353E+03 6.369E+03 6.385E+03 6.401E+03 6.417E+03 6.433E+03 6.449E+03 6.465E+03 6.481E+03 6.497E+03 6.513E+03 6.529E+03 6.545E+03 6.561E+03 6.577E+03 6.593E+03 6.609E+03 6.625E+03 6.641E+03 6.657E+03 6.673E+03 6.689E+03 6.705E+03 6.721E+03 6.737E+03 6.753E+03 6.769E+03 6.785E+03 6.801E+03 6.817E+03 6.833E+03 6.849E+03 6.865E+03 6.881E+03 6.897E+03 6.913E+03 6.929E+03 6.945E+03 6.961E+03 6.977E+03 6.993E+03 7.009E+03 7.025E+03 7.041E+03 7.057E+03 7.073E+03 7.089E+03 7.105E+03 7.121E+03 7.137E+03 7.153E+03 7.169E+03 7.185E+03 7.201E+03 7.217E+03 7.233E+03 7.249E+03 7.265E+03 7.281E+03 7.297E+03 7.313E+03 7.329E+03 7.345E+03 7.361E+03 7.377E+03 7.393E+03 7.409E+03 7.425E+03 7.441E+03 7.457E+03 7.473E+03 7.489E+03 7.505E+03 7.521E+03 7.537E+03 7.553E+03 7.569E+03 7.585E+03 7.601E+03 7.617E+03 7.633E+03 7.649E+03 7.665E+03 7.681E+03 7.697E+03 7.713E+03 7.729E+03 7.745E+03 7.761E+03 7.777E+03 7.793E+03 7.809E+03 7.825E+03 7.841E+03 7.857E+03 7.873E+03 7.889E+03 7.905E+03 7.921E+03 7.937E+03 7.953E+03 7.969E+03 7.985E+03 8.001E+03 8.017E+03 8.033E+03 8.049E+03 8.065E+03 8.081E+03 8.097E+03 8.113E+03 8.129E+03 8.145E+03 8.161E+03 8.177E+03 8.193E+03 8.209E+03 8.225E+03 8.241E+03 8.257E+03 8.273E+03 8.289E+03 8.305E+03 8.321E+03 8.337E+03 8.353E+03 8.369E+03 8.385E+03 8.401E+03 8.417E+03 8.433E+03 8.449E+03 8.465E+03 8.481E+03 8.497E+03 8.513E+03 8.529E+03 8.545E+03 8.561E+03 8.577E+03 8.593E+03 8.609E+03 8.625E+03 8.641E+03 8.657E+03 8.673E+03 8.689E+03 8.705E+03 8.721E+03 8.737E+03 8.753E+03 8.769E+03 8.785E+03 8.801E+03 8.817E+03 8.833E+03 8.849E+03 8.865E+03 8.881E+03 8.897E+03 8.913E+03 8.929E+03 8.945E+03 8.961E+03 8.977E+03 8.993E+03 9.009E+03 9.025E+03 9.041E+03 9.057E+03 9.073E+03 9.089E+03 9.105E+03 9.121E+03 9.137E+03 9.153E+03 9.169E+03 9.185E+03 9.201E+03 9.217E+03 9.233E+03 9.249E+03 9.265E+03 9.281E+03 9.297E+03 9.313E+03 9.329E+03 9.345E+03 9.361E+03 9.377E+03 9.393E+03 9.409E+03 9.425E+03 9.441E+03 9.457E+03 9.473E+03 9.489E+03 9.505E+03 9.521E+03 9.537E+03 9.553E+03 9.569E+03 9.585E+03 9.601E+03 9.617E+03 9.633E+03 9.649E+03 9.665E+03 9.681E+03 9.697E+03 9.713E+03 9.729E+03 9.745E+03 9.761E+03 9.777E+03 9.793E+03 9.809E+03 9.825E+03 9.841E+03 9.857E+03 9.873E+03 9.889E+03 9.905E+03 9.921E+03 9.937E+03 9.953E+03 9.969E+03 9.985E+03 1.001E+04 1.007E+04 1.013E+04 1.019E+04 1.025E+04 1.031E+04 1.037E+04 1.043E+04 1.049E+04 1.055E+04 1.061E+04 1.067E+04 1.073E+04 1.079E+04 1.085E+04 1.091E+04 1.097E+04 1.103E+04 1.109E+04 1.115E+04 1.121E+04 1.127E+04 1.133E+04 1.139E+04 1.145E+04 1.151E+04 1.157E+04 1.163E+04 1.169E+04 1.175E+04 1.181E+04 1.187E+04 1.193E+04 1.199E+04 1.205E+04 1.211E+04 1.217E+04 1.223E+04 1.229E+04 1.235E+04 1.241E+04 1.247E+04 1.253E+04 1.259E+04 1.265E+04 1.271E+04 1.277E+04 1.283E+04 1.289E+04 1.295E+04 1.301E+04 1.307E+04 1.313E+04 1.319E+04 1.325E+04 1.331E+04 1.337E+04 1.343E+04 1.349E+04 1.355E+04 1.361E+04 1.367E+04 1.373E+04 1.379E+04 1.385E+04 1.391E+04 1.397E+04 1.403E+04 1.409E+04 1.415E+04 1.421E+04 1.427E+04 1.433E+04 1.439E+04 1.445E+04 1.451E+04 1.457E+04 1.463E+04 1.469E+04 1.475E+04 1.481E+04 1.487E+04 1.493E+04 1.499E+04 1.505E+04 1.511E+04 1.517E+04 1.523E+04 1.529E+04 1.535E+04 1.541E+04 1.547E+04 1.553E+04 1.559E+04 1.565E+04 1.571E+04 1.577E+04 1.583E+04 1.589E+04 1.595E+04 1.601E+04 1.607E+04 1.613E+04 1.619E+04 1.625E+04 1.631E+04 1.637E+04 1.643E+04 1.649E+04 1.655E+04 1.661E+04 1.667E+04 1.673E+04 1.679E+04 1.685E+04 1.691E+04 1.697E+04 1.703E+04 1.709E+04 1.715E+04 1.721E+04 1.727E+04 1.733E+04 1.739E+04 1.745E+04 1.751E+04 1.757E+04 1.763E+04 1.769E+04 1.775E+04 1.781E+04 1.787E+04 1.793E+04 1.799E+04 1.805E+04 1.811E+04 1.817E+04 1.823E+04 1.829E+04 1.835E+04 1.841E+04 1.847E+04 1.853E+04 1.859E+04 1.865E+04 1.871E+04 1.877E+04 1.883E+04 1.889E+04 1.895E+04 1.901E+04 1.907E+04 1.913E+04 1.919E+04 1.925E+04 1.931E+04 1.937E+04 1.943E+04 1.949E+04 1.955E+04 1.961E+04 1.967E+04 1.973E+04 1.979E+04 1.985E+04 1.991E+04 1.997E+04 2.003E+04 2.009E+04 2.015E+04 2.021E+04 2.027E+04 2.033E+04 2.039E+04 2.045E+04 2.051E+04 2.057E+04 2.063E+04 2.069E+04 2.075E+04 2.081E+04 2.087E+04 2.093E+04 2.099E+04 2.105E+0

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/7/55 AV. T = 8.4 RECORD = JMC023
 HOUR = 3 SIG. HGT. = 10.4 UPPER HGT. = 17.0
 TOTAL DP = 193 CORR. VAM. = 10.7 LOWER HGT. = 10.0
 NOISE LEVEL = .0090 WIND SPEED = 20

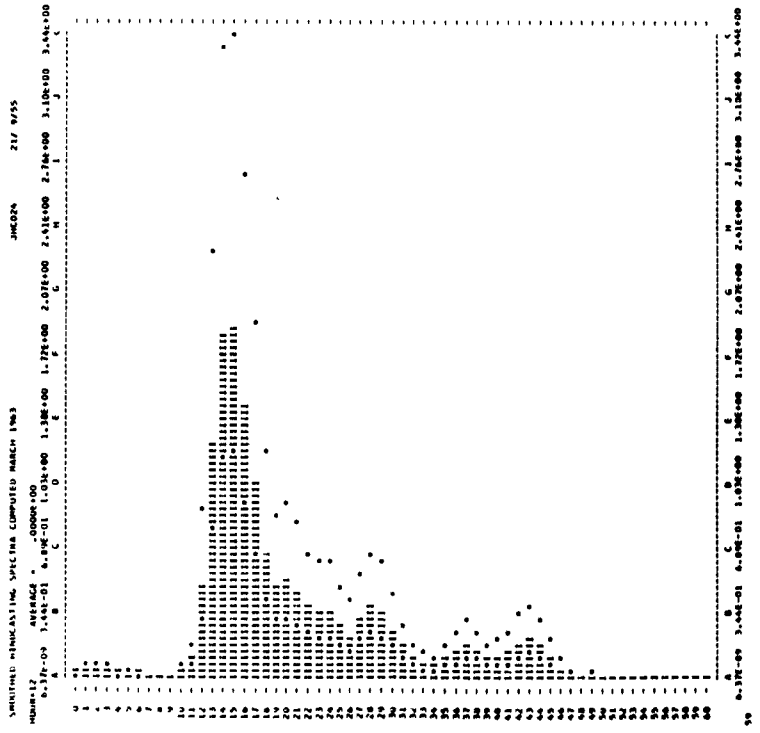
H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0503	.0503	.0493	.0493	.0095	.0200
1	.000	.0510	.0510	.0468	.0468	.0062	.0200
2	.011	.0487	.0487	.0427	.0427	.0048	.0200
3	.017	.0489	.0489	.0439	.0439	.0059	.0270
4	.022	.0424	.0424	.0374	.0374	.0049	.0238
5	.028	.0421	.0421	.0311	.0311	.0037	.0188
6	.033	.0271	.0271	.0225	.0225	.0058	.0227
7	.039	.0175	.0175	.0125	.0125	.0316	.0109
8	.044	.0129	.0129	.0079	.0079	.0008	.0101
9	.050	.0140	.0140	.0099	.0115	.0212	.0073
10	.056	.0335	.0335	.0285	.0325	.0099	.0207
11	.061	.1084	.1084	.1034	.1071	.0117	.1318
12	.067	.0890	.0890	.0840	.0874	.0112	.0218
13	.072	1.2113	1.2113	1.2063	1.1929	2.5073	.0849
14	.078	1.6299	1.6299	1.6249	1.6183	3.3561	1.2278
15	.083	1.3491	1.3491	1.3441	1.6538	3.0481	1.0530
16	.089	.9123	.9123	.9073	1.1894	2.1480	.7621
17	.094	.7900	.7900	.7850	1.0182	1.6767	.4483
18	.100	.6173	.6173	.6123	.8742	1.6112	.5564
19	.106	.5373	.5373	.5323	.8087	1.4906	.5140
20	.111	.4545	.4545	.4495	.7335	1.3112	.4669
21	.117	.2745	.2745	.2695	.4701	.8663	.2993
22	.122	.1894	.1894	.1844	.3396	.6260	.2143
23	.128	.2071	.2071	.2021	.4124	.7400	.2427
24	.133	.1905	.1905	.1855	.4124	.7605	.2627
25	.139	.1788	.1788	.1738	.4232	.7800	.2694
26	.144	.2100	.2100	.2050	.5447	.9113	.3494
27	.150	.1717	.1717	.1667	.4921	.9071	.3134
28	.156	.1044	.1044	.0994	.3269	.6025	.2081
29	.161	.0773	.0773	.0723	.2432	.4852	.1674
30	.167	.0763	.0763	.0713	.2903	.3350	.1048
31	.172	.0687	.0687	.0637	.2862	.3275	.1022
32	.178	.0379	.0379	.0329	.1494	.5122	.0669
33	.183	.0288	.0288	.0238	.1384	.2932	.0882
34	.189	.0382	.0382	.0332	.1997	.3880	.1271
35	.194	.0363	.0363	.0313	.2359	.3364	.1302
36	.200	.0284	.0284	.0234	.1847	.3404	.1176
37	.206	.0174	.0174	.0124	.1224	.2269	.0783
38	.211	.0161	.0161	.0111	.1041	.1918	.0663
39	.217	.0093	.0093	.0043	.0870	.1030	.0363
40	.222	.0100	.0100	.0050	.0520	.1512	.0222
41	.228	.0120	.0120	.0070	.1154	.1130	.0222
42	.233	.0117	.0117	.0067	.1291	.2380	.0822
43	.239	.0081	.0081	.0031	.0934	.1725	.0596
44	.244	.0052	.0052	.0002	.0167	.0767	.0166
45	.250	.0024	.0024	.0000	.0000	.0000	.0000
46	.256	.0005	.0005	.0000	.0000	.0000	.0000
47	.261	.0049	.0049	.0000	.0000	.0000	.0000
48	.267	.0048	.0048	.0000	.0000	.0000	.0000
49	.272	.0047	.0047	.0000	.0000	.0000	.0000
50	.278	.0047	.0050	.0000	.0000	.0000	.0000
51	.283	.0058	.0058	.0008	.0008	.0014	.0005
52	.289	.0048	.0048	.0008	.0015	.0028	.0010
53	.294	.0067	.0064	.0014	.0014	.0027	.0009
54	.300	.0054	.0055	.0005	.0005	.0010	.0003
55	.306	.0043	.0043	.0000	.0000	.0000	.0000
56	.311	.0044	.0044	.0000	.0000	.0000	.0000
57	.317	.0040	.0039	.0000	.0000	.0000	.0000
58	.322	.0031	.0034	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000	.0000
60	.333	.0054	.0049	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/7/55 AV. T = 8.1 RECORD = JMC024
 HOUR = 12 SIG. HGT. = 15.5 UPPER HGT. = 17.0
 TOTAL DP = 161 CORR. VAM. = 15.1 LOWER HGT. = 14.2
 NOISE LEVEL = .0030 WIND SPEED = 25

H	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0271	.0271	.0241	.0241	.0444	.0193
1	.006	.0352	.0352	.0322	.0322	.0593	.0205
2	.011	.0454	.0454	.0424	.0424	.0781	.0270
3	.017	.0363	.0363	.0333	.0333	.0813	.0212
4	.022	.0203	.0203	.0173	.0173	.0319	.0110
5	.028	.0132	.0132	.0122	.0122	.0225	.0078
6	.033	.0151	.0151	.0121	.0145	.0360	.0124
7	.039	.0085	.0085	.0055	.0075	.0139	.0048
8	.044	.0054	.0054	.0024	.0030	.0095	.0019
9	.050	.0059	.0059	.0029	.0034	.0062	.0022
10	.056	.0318	.0318	.0288	.0328	.0605	.0299
11	.061	.0819	.0819	.0789	.0809	.1850	.0639
12	.067	.4243	.4243	.4213	.4779	.8808	.3043
13	.072	1.0699	1.0699	1.0649	1.2319	2.2706	.7844
14	.078	1.5409	1.5409	1.5359	1.8253	3.3864	1.1623
15	.083	1.5218	1.5218	1.5188	1.8687	3.4443	1.1899
16	.089	1.1423	1.1423	1.1393	1.4634	2.6973	.9318
17	.094	.7674	.7674	.7644	1.3221	1.9030	.6574
18	.100	.4590	.4590	.4560	.8510	1.1999	.4145
19	.106	.3133	.3133	.3103	.6714	.8689	.3002
20	.111	.3176	.3176	.3146	.6109	.8417	.3253
21	.117	.2603	.2603	.2573	.4688	.6272	.2858
22	.122	.1952	.1952	.1922	.3618	.4889	.2364
23	.128	.1704	.1704	.1674	.3417	.4398	.2178
24	.133	.1552	.1552	.1522	.3385	.4230	.2155
25	.139	.1124	.1124	.1094	.2863	.4909	.1896
26	.144	.0864	.0864	.0834	.2237	.4123	.1624
27	.150	.1042	.1042	.1012	.2487	.3506	.1902
28	.156	.1140	.1140	.1110	.3032	.4694	.2313
29	.161	.0930	.0930	.0900	.3277	.4039	.2084
30	.167	.0647	.0647	.0617	.2511	.4629	.1599
31	.172	.0371	.0371	.0341	.1556	.2866	.0991
32	.178	.0223	.0223	.0193	.0993	.1850	.0632
33	.183	.0155	.0155	.0125	.0726	.1339	.0463
34	.189	.0123	.0123	.0093	.0814	.1132	.0391
35	.194	.0154	.0154	.0124	.0933	.1120	.0394
36	.200	.0184	.0184	.0154	.1345	.2480	.0857
37	.206	.0198	.0198	.0168	.1384	.3068	.1090
38	.211	.0149	.0149	.0119	.1340	.2507	.0844
39	.217	.0107	.0107	.0077	.1019	.1879	.0644
40	.222	.0092	.0098	.0068	.1050	.1935	.0664
41	.228	.0100	.0100	.0070	.1334	.2454	.0849
42	.233	.0121	.0114	.0084	.1780	.3281	.1133
43	.239	.0114	.0110	.0080	.1976	.3643	.1258
44	.244	.0080	.0080	.0050	.1712	.3155	.1090
45	.250	.0060	.0062	.0032	.1116	.2058	.0711
46	.256	.0039	.0042	.0012	.0640	.0903	.0312
47	.261	.0030	.0032	.0002	.0115	.0212	.0073
48	.267	.0031	.0031	.0001	.0079	.0145	.0050
49	.272	.0034	.0031	.0001	.0095	.0175	.0060
50	.278	.0027	.0027	.0000	.0000	.0000	.0000
51	.283	.0021	.0021	.0000	.0000	.0000	.0000
52	.289	.0025	.0027	.0000	.0000	.0000	.0000
53	.294	.0038	.0035	.0005	.0005	.0010	.0003
54	.300	.0041	.0041	.0008	.0008	.0014	.0005
55	.306	.0031	.0033	.0003	.0003	.0005	.0002
56	.311	.0028	.0030	.0000	.0000	.0000	.0000
57	.317	.0032	.0032	.0000	.0000	.0000	.0000
58	.322	.0024	.0024	.0000	.0000	.0000	.0000
59	.328	.0026	.0028	.0000	.0000	.0000	.0000
60	.333	.0037	.0031	.0001	.0001	.0002	.0001

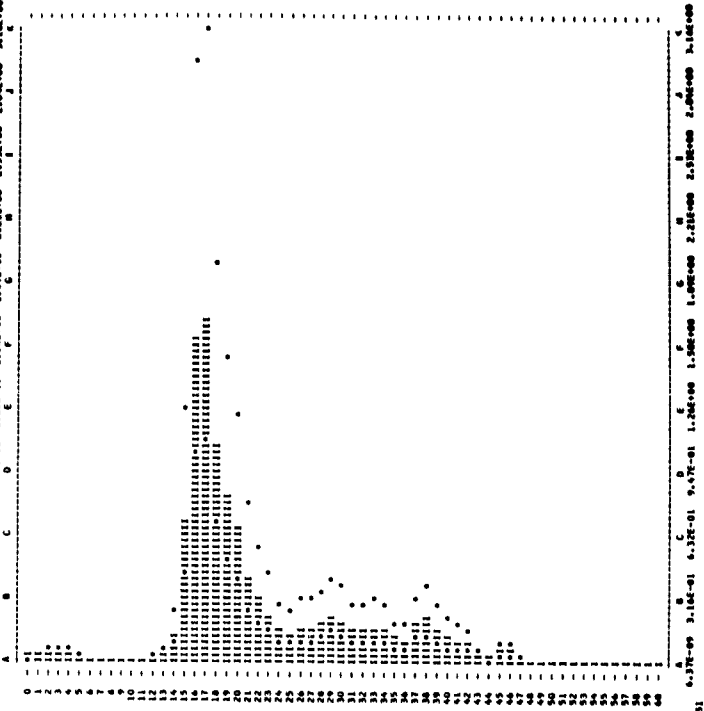


SMOOTHER HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 6/55 AV. T = 7.7 RECORD = JMC027
 HOUR = 9 SIG.MGT. = 15.3 UPPER MGT. = 16.7
 TOTAL DF = 132 CORR. VAR. = 11.6 LOWER MGT. = 12.6
 NOISE LEVEL = .0023 WIND SPEED = 20

H	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0234	.0234	.0201	.0370	.0120
1	.006	.0204	.0204	.0251	.0361	.0160
2	.011	.0162	.0162	.0320	.0329	.0200
3	.017	.0103	.0103	.0350	.0345	.0223
4	.022	.0093	.0093	.0370	.0320	.0170
5	.028	.0156	.0156	.0323	.0226	.0070
6	.033	.0090	.0090	.0347	.0276	.0046
7	.039	.0060	.0060	.0333	.0293	.0020
8	.044	.0050	.0050	.0317	.0261	.0010
9	.050	.0047	.0047	.0316	.0216	.0010
10	.056	.0039	.0039	.0306	.0212	.0000
11	.061	.0052	.0052	.0310	.0201	.0010
12	.067	.0133	.0133	.0180	.0113	.0070
13	.072	.0332	.0332	.0190	.0303	.0220
14	.078	.1120	.1120	.1007	.1290	.0621
15	.083	.2643	.2643	.2410	.4902	.1272
16	.089	1.2495	1.2495	1.2462	1.6264	2.0977
17	.094	1.2722	1.2722	1.2489	1.7135	3.1582
18	.100	.7855	.7855	.7322	1.0739	1.9793
19	.106	.8404	.8404	.8371	.8190	1.3940
20	.111	.4110	.4110	.4077	.4421	1.2204
21	.117	.2642	.2642	.2409	.4202	.7763
22	.122	.1849	.1849	.1816	.3042	.5407
23	.128	.1109	.1109	.1136	.2319	.4274
24	.133	.0729	.0729	.0696	.1548	.2832
25	.139	.0604	.0604	.0671	.1300	.2362
26	.144	.0680	.0680	.0647	.1731	.3191
27	.150	.0409	.0409	.0376	.1700	.3133
28	.156	.0438	.0438	.0405	.1850	.3294
29	.161	.0693	.0693	.0620	.2237	.4190
30	.167	.0337	.0337	.0304	.2091	.3780
31	.172	.0348	.0348	.0315	.1420	.2885
32	.178	.0326	.0326	.0293	.1507	.2779
33	.183	.0327	.0327	.0294	.1709	.3131
34	.189	.0279	.0279	.0246	.1425	.2394
35	.194	.0180	.0180	.0147	.1104	.2039
36	.200	.0159	.0159	.0126	.1086	.2002
37	.206	.0211	.0211	.0178	.1713	.2349
38	.211	.0213	.0213	.0180	.2059	.3793
39	.217	.0149	.0149	.0116	.1536	.2831
40	.222	.0104	.0104	.0071	.1126	.2074
41	.228	.0090	.0090	.0055	.0986	.1818
42	.233	.0079	.0079	.0046	.0803	.1479
43	.239	.0047	.0047	.0014	.0342	.0431
44	.244	.0035	.0035	.0008	.0221	.0407
45	.250	.0056	.0056	.0014	.0549	.1012
46	.256	.0049	.0049	.0014	.0571	.1032
47	.261	.0034	.0034	.0000	.0150	.0276
48	.267	.0028	.0028	.0000	.0000	.0000
49	.273	.0034	.0034	.0001	.0078	.1315
50	.278	.0047	.0047	.0011	.0011	.0020
51	.283	.0051	.0047	.0014	.0014	.0026
52	.289	.0041	.0042	.0008	.0008	.0016
53	.294	.0035	.0037	.0004	.0004	.0007
54	.300	.0037	.0036	.0003	.0003	.0004
55	.306	.0037	.0038	.0002	.0002	.0001
56	.311	.0028	.0030	.0000	.0000	.0000
57	.317	.0027	.0027	.0000	.0000	.0000
58	.322	.0028	.0027	.0000	.0000	.0000
59	.328	.0025	.0025	.0000	.0000	.0000
60	.333	.0024	.0024	.0000	.0000	.0000

SMOOTHER HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9
 AVERAGE 3.18E-01 6.32E-01 9.47E-01 1.26E+00 1.60E+00 2.00E+00 2.40E+00 2.80E+00 3.16E+00
 7/ 6/55 JMC027

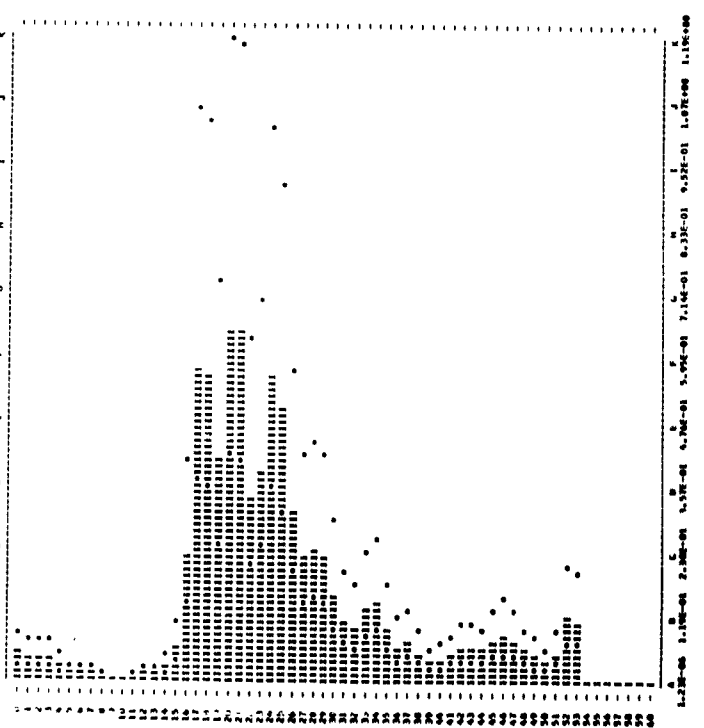


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 7/ 6/55 AV. T = 6.6 RECORD = JMC028
 HOUR = 16 SIG.MGT. = 11.3 UPPER MGT. = 12.2
 TOTAL DF = 217 CORR. VAR. = 8.0 LOWER MGT. = 10.5
 NOISE LEVEL = .0018 WIND SPEED = 20

H	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0446	.0446	.0428	.0788	.0272
1	.006	.0401	.0401	.0383	.0706	.0244
2	.011	.0383	.0383	.0365	.0674	.0233
3	.017	.0384	.0384	.0366	.0676	.0233
4	.022	.0262	.0262	.0244	.0246	.0449
5	.028	.0134	.0134	.0116	.0116	.0074
6	.033	.0115	.0115	.0097	.0116	.0079
7	.039	.0098	.0098	.0080	.0110	.0202
8	.044	.0058	.0058	.0040	.0050	.0092
9	.050	.0033	.0033	.0015	.0017	.0031
10	.056	.0030	.0030	.0012	.0013	.0024
11	.061	.0067	.0067	.0049	.0055	.0101
12	.067	.0134	.0134	.0116	.0116	.0074
13	.072	.0110	.0110	.0092	.0106	.0196
14	.078	.0239	.0239	.0221	.0262	.0483
15	.083	.0472	.0472	.0454	.0559	.1029
16	.089	.1741	.1741	.1723	.2213	.4079
17	.094	.4256	.4256	.4238	.5724	1.0549
18	.100	.3955	.3955	.3937	.5621	1.0381
19	.106	.2840	.2840	.2842	.4015	.7399
20	.111	.3994	.3994	.3976	.6457	1.1902
21	.117	.3477	.3477	.3459	.6383	1.1784
22	.122	.1820	.1820	.1802	.3392	.6252
23	.128	.1897	.1897	.1879	.3836	.7070
24	.133	.2511	.2511	.2493	.3584	.6222
25	.139	.2051	.2051	.2033	.4951	.9125
26	.144	.1176	.1176	.1158	.3100	.5714
27	.150	.0775	.0775	.0757	.2234	.4118
28	.156	.0753	.0753	.0735	.2405	.4433
29	.161	.0640	.0640	.0622	.2266	.4176
30	.167	.0408	.0408	.0390	.1588	.2827
31	.172	.0292	.0292	.0274	.1047	.1966
32	.178	.0208	.0208	.0190	.0979	.1805
33	.183	.0238	.0238	.0220	.1281	.2362
34	.189	.0236	.0236	.0218	.1444	.2642
35	.194	.0193	.0193	.0175	.0940	.1733
36	.200	.0090	.0090	.0072	.0610	.1143
37	.206	.0087	.0087	.0069	.0489	.0839
38	.211	.0086	.0086	.0068	.0512	.0980
39	.217	.0043	.0043	.0025	.0332	.0613
40	.222	.0040	.0042	.0024	.0363	.0672
41	.228	.0046	.0046	.0028	.0471	.0868
42	.233	.0046	.0046	.0028	.0585	.1078
43	.239	.0041	.0041	.0023	.0566	.1043
44	.244	.0032	.0032	.0018	.0536	.0988
45	.250	.0040	.0040	.0024	.0642	.1176
46	.256	.0040	.0038	.0020	.0814	.1511
47	.261	.0031	.0032	.0014	.0495	.0897
48	.267	.0036	.0036	.0022	.0547	.0987
49	.272	.0025	.0024	.0016	.0455	.0819
50	.278	.0020	.0022	.0014	.0323	.0594
51	.283	.0021	.0021	.0013	.0433	.0767
52	.289	.0021	.0021	.0013	.0443	.0781
53	.294	.0027	.0027	.0017	.0519	.0914
54	.300	.0015	.0017	.0010	.0306	.0500
55	.306	.0009	.0011	.0000	.0206	.0307
56	.311	.0011	.0012	.0000	.0200	.0300
57	.317	.0011	.0011	.0000	.0200	.0300
58	.322	.0016	.0016	.0000	.0200	.0300
59	.328	.0015	.0016	.0000	.0200	.0300
60	.333	.0015	.0015	.0000	.0200	.0300

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 16
 AVERAGE 1.19E-01 2.38E-01 3.57E-01 4.76E-01 5.95E-01 7.14E-01 8.33E-01 9.52E-01 1.07E+00 1.19E+00
 7/ 6/55 JMC028

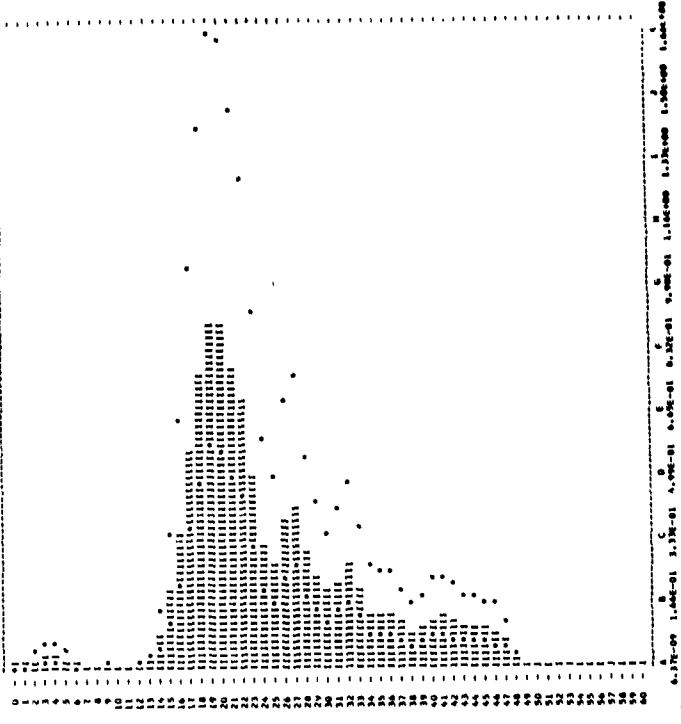


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/6/55 AV. T = 6.9 RECORD = JMC020
 HOUR = 16 SIG. HGT. = 12.8 UPPER HGT. = 13.9
 TOTAL OF 200 CORR. VAR. = 11.3 LOWER HGT. = 11.8
 NOISE LEVEL = .0048 MINU SPEED = 25

M	PRE. UNIT	PT. 2 FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0130	.0130	.0001	.0160	.0000
1	.006	.0118	.0126	.0120	.0240	.0000
2	.011	.0270	.0270	.0230	.0420	.0160
3	.017	.0376	.0376	.0340	.0600	.0100
4	.022	.0480	.0480	.0440	.0780	.0217
5	.028	.0576	.0576	.0530	.0960	.0160
6	.033	.0672	.0672	.0630	.1140	.0100
7	.039	.0768	.0768	.0730	.1320	.0000
8	.044	.0864	.0864	.0830	.1500	.0000
9	.050	.0960	.0960	.0930	.1680	.0000
10	.056	.1056	.1056	.1030	.1860	.0000
11	.061	.1152	.1152	.1130	.2040	.0000
12	.067	.1248	.1248	.1230	.2220	.0000
13	.072	.1344	.1344	.1330	.2400	.0000
14	.078	.1440	.1440	.1430	.2580	.0000
15	.083	.1536	.1536	.1530	.2760	.0000
16	.089	.1632	.1632	.1630	.2940	.0000
17	.094	.1728	.1728	.1730	.3120	.0000
18	.100	.1824	.1824	.1830	.3300	.0000
19	.106	.1920	.1920	.1930	.3480	.0000
20	.111	.2016	.2016	.2030	.3660	.0000
21	.117	.2112	.2112	.2130	.3840	.0000
22	.122	.2208	.2208	.2230	.4020	.0000
23	.128	.2304	.2304	.2330	.4200	.0000
24	.133	.2400	.2400	.2430	.4380	.0000
25	.139	.2496	.2496	.2530	.4560	.0000
26	.144	.2592	.2592	.2630	.4740	.0000
27	.150	.2688	.2688	.2730	.4920	.0000
28	.156	.2784	.2784	.2830	.5100	.0000
29	.161	.2880	.2880	.2930	.5280	.0000
30	.167	.2976	.2976	.3030	.5460	.0000
31	.172	.3072	.3072	.3130	.5640	.0000
32	.178	.3168	.3168	.3230	.5820	.0000
33	.183	.3264	.3264	.3330	.6000	.0000
34	.189	.3360	.3360	.3430	.6180	.0000
35	.194	.3456	.3456	.3530	.6360	.0000
36	.200	.3552	.3552	.3630	.6540	.0000
37	.206	.3648	.3648	.3730	.6720	.0000
38	.211	.3744	.3744	.3830	.6900	.0000
39	.217	.3840	.3840	.3930	.7080	.0000
40	.222	.3936	.3936	.4030	.7260	.0000
41	.228	.4032	.4032	.4130	.7440	.0000
42	.233	.4128	.4128	.4230	.7620	.0000
43	.239	.4224	.4224	.4330	.7800	.0000
44	.244	.4320	.4320	.4430	.7980	.0000
45	.250	.4416	.4416	.4530	.8160	.0000
46	.256	.4512	.4512	.4630	.8340	.0000
47	.261	.4608	.4608	.4730	.8520	.0000
48	.267	.4704	.4704	.4830	.8700	.0000
49	.272	.4800	.4800	.4930	.8880	.0000
50	.278	.4896	.4896	.5030	.9060	.0000
51	.283	.4992	.4992	.5130	.9240	.0000
52	.289	.5088	.5088	.5230	.9420	.0000
53	.294	.5184	.5184	.5330	.9600	.0000
54	.300	.5280	.5280	.5430	.9780	.0000
55	.306	.5376	.5376	.5530	.9960	.0000
56	.311	.5472	.5472	.5630	.1010	.0000
57	.317	.5568	.5568	.5730	.1060	.0000
58	.322	.5664	.5664	.5830	.1110	.0000
59	.328	.5760	.5760	.5930	.1160	.0000
60	.333	.5856	.5856	.6030	.1210	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 16
 DATE = 7/6/55
 SIG. HGT. = 12.8
 UPPER HGT. = 13.9
 LOWER HGT. = 11.8
 CORR. VAR. = 11.3
 NOISE LEVEL = .0048
 MINU SPEED = 25

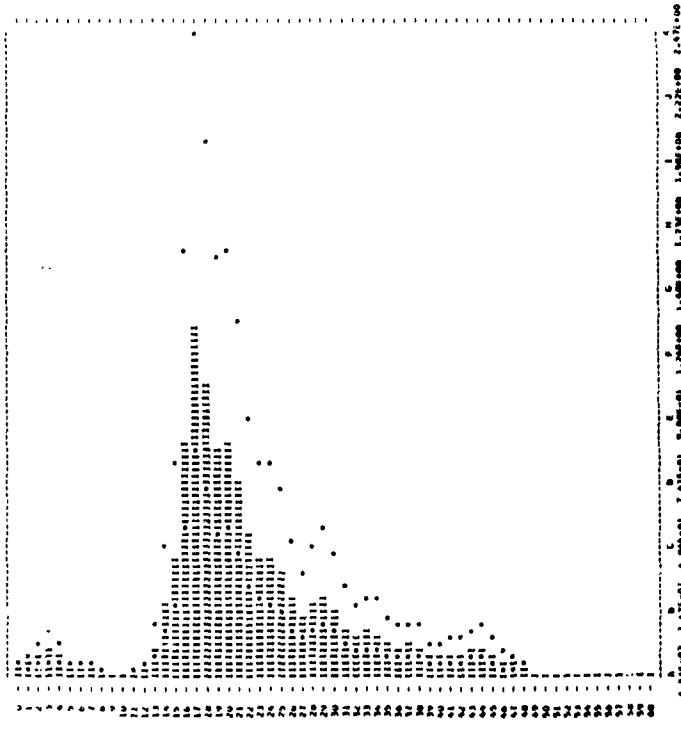


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/6/55 AV. T = 7.6 RECORD = JMC030
 HOUR = 21 SIG. HGT. = 13.9 UPPER HGT. = 15.1
 TOTAL OF 190 CORR. VAR. = 12.0 LOWER HGT. = 12.8
 NOISE LEVEL = .0029 MINU SPEED = 25

M	PRE. UNIT	PT. 2 FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0271	.0271	.0242	.0446	.0194
1	.006	.0402	.0402	.0373	.0627	.0237
2	.011	.0532	.0532	.0497	.0808	.0466
3	.017	.0663	.0663	.0620	.0989	.0712
4	.022	.0793	.0793	.0756	.0706	.1301
5	.028	.0924	.0924	.0879	.0877	.1685
6	.033	.1054	.1054	.1013	.0943	.2069
7	.039	.1184	.1184	.1143	.0977	.2453
8	.044	.1314	.1314	.1270	.0977	.2837
9	.050	.1444	.1444	.1400	.0943	.3221
10	.056	.1574	.1574	.1530	.0877	.3605
11	.061	.1704	.1704	.1660	.0777	.3989
12	.067	.1834	.1834	.1790	.0643	.4373
13	.072	.1964	.1964	.1920	.0477	.4757
14	.078	.2094	.2094	.2050	.0277	.5141
15	.083	.2224	.2224	.2180	.0043	.5525
16	.089	.2354	.2354	.2310	.0000	.5909
17	.094	.2484	.2484	.2440	.0000	.6293
18	.100	.2614	.2614	.2570	.0000	.6677
19	.106	.2744	.2744	.2700	.0000	.7061
20	.111	.2874	.2874	.2830	.0000	.7445
21	.117	.2999	.2999	.2960	.0000	.7829
22	.122	.3124	.3124	.3080	.0000	.8213
23	.128	.3249	.3249	.3210	.0000	.8597
24	.133	.3374	.3374	.3330	.0000	.8981
25	.139	.3500	.3500	.3460	.0000	.9365
26	.144	.3625	.3625	.3580	.0000	.9749
27	.150	.3750	.3750	.3710	.0000	.1013
28	.156	.3875	.3875	.3830	.0000	.1397
29	.161	.4000	.4000	.3960	.0000	.1781
30	.167	.4125	.4125	.4080	.0000	.2165
31	.172	.4250	.4250	.4210	.0000	.2549
32	.178	.4375	.4375	.4330	.0000	.2933
33	.183	.4500	.4500	.4460	.0000	.3317
34	.189	.4625	.4625	.4580	.0000	.3701
35	.194	.4750	.4750	.4710	.0000	.4085
36	.200	.4875	.4875	.4830	.0000	.4469
37	.206	.5000	.5000	.4960	.0000	.4853
38	.211	.5125	.5125	.5080	.0000	.5237
39	.217	.5250	.5250	.5210	.0000	.5621
40	.222	.5375	.5375	.5330	.0000	.6005
41	.228	.5500	.5500	.5460	.0000	.6389
42	.233	.5625	.5625	.5580	.0000	.6773
43	.239	.5750	.5750	.5710	.0000	.7157
44	.244	.5875	.5875	.5830	.0000	.7541
45	.250	.6000	.6000	.5960	.0000	.7925
46	.256	.6125	.6125	.6080	.0000	.8309
47	.261	.6250	.6250	.6210	.0000	.8693
48	.267	.6375	.6375	.6330	.0000	.9077
49	.272	.6500	.6500	.6460	.0000	.9461
50	.278	.6625	.6625	.6580	.0000	.9845
51	.283	.6750	.6750	.6710	.0000	.1029
52	.289	.6875	.6875	.6830	.0000	.1413
53	.294	.7000	.7000	.6960	.0000	.1797
54	.300	.7125	.7125	.7080	.0000	.2181
55	.306	.7250	.7250	.7210	.0000	.2565
56	.311	.7375	.7375	.7330	.0000	.2949
57	.317	.7500	.7500	.7460	.0000	.3333
58	.322	.7625	.7625	.7580	.0000	.3717
59	.328	.7750	.7750	.7710	.0000	.4101
60	.333	.7875	.7875	.7830	.0000	.4485

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 21
 DATE = 7/6/55
 SIG. HGT. = 13.9
 UPPER HGT. = 15.1
 LOWER HGT. = 12.8
 CORR. VAR. = 12.0
 NOISE LEVEL = .0029
 MINU SPEED = 25

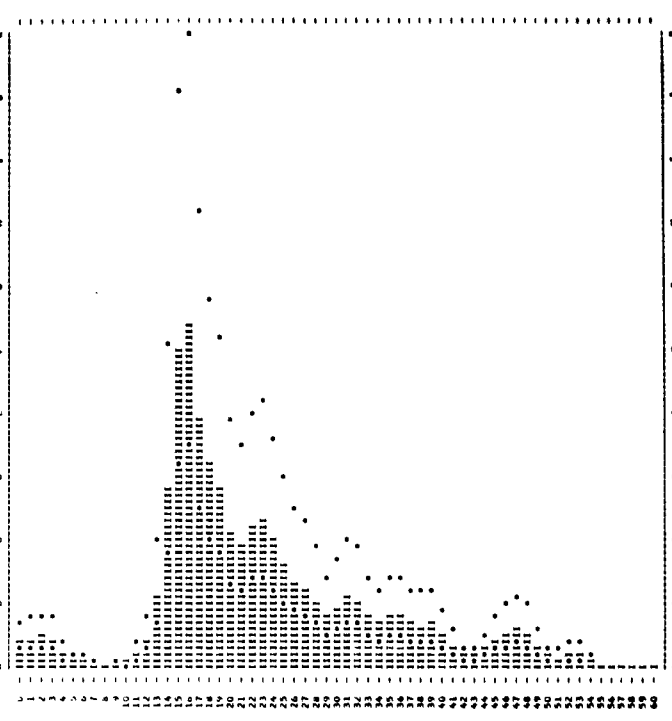


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 8/ 4/55 AV. T = 7.2 RECORD = JMC031
 HOUR = 3 SIG.HGT. = 14.0 UPPER HGT. = 15.1
 TOTAL UP = 234 CORR. VAR. = 12.2 LOWER HGT. = 12.0
 NOISE LEVEL = .0025 WIND SPEED = 20

N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0001	.0001	.0000	.0000	1.590	.0052
1	.000	.0029	.0029	.0000	.0000	1.609	.0077
2	.011	.1028	.1028	.1004	1.004	1.050	.0039
3	.017	.0915	.0915	.0892	.0892	1.044	.0060
4	.022	.0832	.0832	.0809	.0809	0.997	.0026
5	.028	.0778	.0778	.0755	.0755	0.946	.0140
6	.033	.0140	.0140	.0143	.0231	.0426	.0147
7	.039	.0084	.0084	.0061	.0060	.0135	.0054
8	.044	.0059	.0059	.0036	.0035	.0053	.0029
9	.050	.0046	.0046	.0023	.0022	.0137	.0054
10	.056	.0172	.0172	.0149	.0170	.0219	.0168
11	.061	.0427	.0427	.0404	.0426	.0381	.0291
12	.067	.0350	.0350	.0325	.0347	1.754	.0403
13	.072	.0282	.0282	.0259	.2377	.4281	.1514
14	.078	.0070	.0070	.0047	.0000	.0000	.0014
15	.083	.0780	.0780	.0755	1.0789	1.9770	.6867
16	.089	.0216	.0216	.0193	1.8007	2.1745	.7519
17	.094	.0334	.0334	.0311	.8523	1.5709	.5427
18	.100	.0449	.0449	.0427	.6891	1.2701	.4388
19	.106	.0475	.0475	.0452	.6197	1.1348	.3850
20	.111	.0488	.0488	.0465	.4771	.8425	.2911
21	.117	.0294	.0294	.0271	.4134	.7622	.2633
22	.122	.0217	.0217	.0194	.4494	.6658	.2260
23	.128	.0144	.0144	.0121	.4947	.5719	.1930
24	.133	.0134	.0134	.0111	.4255	.7843	.2700
25	.139	.0149	.0149	.0126	.2959	.6560	.2266
26	.144	.0112	.0112	.0089	.2915	.3744	.1894
27	.150	.0035	.0035	.0012	.2642	.4962	.1714
28	.156	.0716	.0716	.0693	.2269	.4381	.1448
29	.161	.0468	.0468	.0445	.1875	.3124	.1079
30	.167	.0524	.0524	.0501	.2039	.3758	.1298
31	.172	.0544	.0544	.0521	.2277	.4381	.1514
32	.178	.0546	.0546	.0523	.2228	.4107	.1419
33	.183	.0315	.0315	.0292	.1701	.3134	.1083
34	.189	.0738	.0738	.0715	.1424	.3424	.0904
35	.194	.0247	.0247	.0224	.1487	.3100	.1074
36	.200	.0221	.0221	.0198	.1710	.3191	.1089
37	.206	.0167	.0167	.0144	.1427	.2480	.0909
38	.211	.0143	.0143	.0120	.1374	.2537	.0874
39	.217	.0130	.0130	.0107	.1420	.2617	.0904
40	.222	.0082	.0082	.0059	.1048	.1970	.0640
41	.228	.0054	.0054	.0031	.0653	.1204	.0416
42	.233	.0036	.0036	.0013	.0368	.0879	.0235
43	.239	.0035	.0035	.0012	.0392	.0722	.0249
44	.244	.0048	.0048	.0025	.0647	.1192	.0412
45	.250	.0044	.0044	.0021	.0904	.1847	.0574
46	.256	.0051	.0051	.0028	.1154	.2131	.0734
47	.261	.0053	.0053	.0030	.1333	.2457	.0849
48	.267	.0042	.0042	.0019	.1194	.2134	.0737
49	.272	.0032	.0032	.0010	.0722	.1334	.0459
50	.278	.0074	.0074	.0051	.0350	.0645	.0223
51	.283	.0025	.0025	.0003	.0302	.0554	.0192
52	.289	.0028	.0028	.0006	.0495	.0913	.0315
53	.294	.0024	.0024	.0003	.0440	.0848	.0293
54	.300	.0074	.0074	.0051	.0240	.0442	.0153
55	.306	.0024	.0024	.0000	.0001	.0001	.0000
56	.311	.0021	.0021	.0000	.0000	.0000	.0000
57	.317	.0017	.0017	.0000	.0000	.0000	.0000
58	.322	.0021	.0021	.0000	.0000	.0000	.0000
59	.328	.0023	.0023	.0000	.0000	.0000	.0000
60	.333	.0021	.0022	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 3
 AVERAGE = .2364+0Z
 1.57E-06 7.18E-01 4.12E-01 6.33E-01 8.71E-01 1.09E+00 1.32E+00 1.57E+00 1.82E+00 2.10E+00

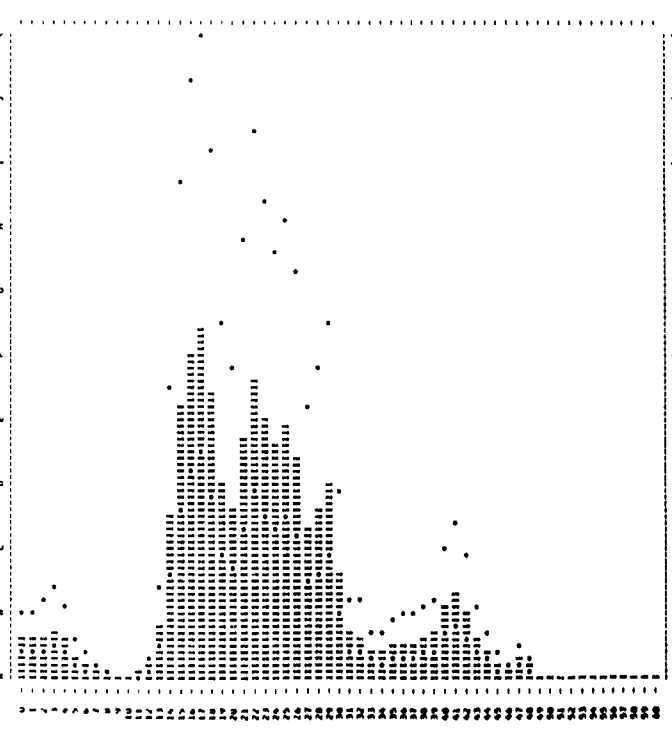


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 4/55 AV. T = 7.4 RECORD = JMC032
 HOUR = 12 SIG.HGT. = 13.2 UPPER HGT. = 14.2
 TOTAL UP = 234 CORR. VAR. = 10.8 LOWER HGT. = 12.2
 NOISE LEVEL = .0047 WIND SPEED = 29

N	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0859	.0859	.0812	.0812	1.447	.0517
1	.006	.0868	.0868	.0821	.0821	1.514	.0523
2	.011	.0465	.0465	.0418	.0418	1.643	.0485
3	.017	.1114	.1114	1.067	1.067	0.880	.0680
4	.022	.0913	.0913	.0866	.0866	1.597	.0572
5	.028	.0492	.0492	.0445	.0445	.0821	.0284
6	.034	.0245	.0245	.0198	.0171	.0591	.0204
7	.039	.0142	.0142	.0095	.0131	.0244	.0084
8	.044	.0094	.0094	.0047	.0059	.0109	.0038
9	.050	.0063	.0063	.0016	.0019	.0036	.0012
10	.056	.0075	.0075	.0028	.0032	.0040	.0021
11	.061	.0128	.0128	.0081	.0047	.0170	.0058
12	.067	.0244	.0244	.0217	.0247	.0455	.0147
13	.072	.0090	.0090	.0042	.1088	.2008	.0693
14	.078	.3052	.3052	.3005	.3547	.6975	.2772
15	.083	.4914	.4914	.4867	.8070	1.1095	.3833
16	.089	.5731	.5731	.5684	.7302	1.3458	.4449
17	.094	.5866	.5866	.5819	.7859	1.4485	.5074
18	.100	.4536	.4536	.4504	.6418	1.1884	.4094
19	.106	.2914	.2914	.2847	.4357	.8030	.2774
20	.111	.2166	.2166	.2119	.3747	.6962	.2344
21	.117	.3094	.3094	.3048	.5319	.8805	.3187
22	.122	.3547	.3547	.3500	.6645	1.2321	.4256
23	.128	.2877	.2877	.2832	.5747	1.0458	.3682
24	.133	.2343	.2343	.2304	.5214	.8420	.3123
25	.139	.2351	.2351	.2304	.5611	1.0342	.3573
26	.144	.1497	.1497	.1452	.4953	.9129	.3134
27	.150	.1170	.1170	.1123	.4317	.8113	.2712
28	.156	.1143	.1143	.1104	.3752	.6915	.2389
29	.161	.1244	.1244	.1197	.4380	.8037	.2774
30	.167	.0609	.0609	.0562	.2290	.4243	.1548
31	.172	.0259	.0259	.0212	.0970	.1788	.0618
32	.178	.0224	.0224	.0177	.0916	.1684	.0582
33	.183	.0144	.0144	.0097	.0574	.1067	.0365
34	.189	.0124	.0124	.0079	.0525	.0964	.0335
35	.194	.0145	.0145	.0098	.0742	.1368	.0473
36	.200	.0135	.0135	.0088	.0744	1.408	.0484
37	.206	.0125	.0125	.0078	.0778	1.434	.0495
38	.211	.0120	.0120	.0073	.0861	1.590	.0535
39	.217	.0118	.0118	.0071	.0948	1.747	.0584
40	.222	.0157	.0150	.0101	.1594	2.941	.1018
41	.228	.0180	.0171	.0104	.1877	3.499	.1199
42	.233	.0110	.0115	.0069	.1435	2.648	.0927
43	.239	.0074	.0082	.0035	.0874	1.611	.0557
44	.244	.0069	.0069	.0030	.0571	1.092	.0366
45	.250	.0052	.0055	.0008	.0285	.0524	.0182
46	.256	.0046	.0051	.0004	.0174	.0321	.0111
47	.261	.0039	.0035	.0009	.0431	.0794	.0274
48	.267	.0057	.0051	.0004	.0213	.0468	.0148
49	.272	.0031	.0031	.0000	.0000	.0000	.0000
50	.278	.0029	.0033	.0000	.0000	.0000	.0000
51	.283	.0062	.0061	.0000	.0000	.0000	.0000
52	.289	.0048	.0057	.0010	.0010	.0019	.0027
53	.294	.0070	.0061	.0014	.0014	.0030	.0040
54	.300	.0054	.0055	.0008	.0008	.0015	.0024
55	.306	.0041	.0045	.0000	.0000	.0000	.0000
56	.311	.0044	.0044	.0000	.0000	.0000	.0000
57	.317	.0044	.0047	.0000	.0000	.0000	.0000
58	.322	.0045	.0043	.0000	.0000	.0000	.0000
59	.328	.0034	.0034	.0000	.0000	.0000	.0000
60	.333	.0031	.0032	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12
 AVERAGE = .0000E+00
 6.33E-06 7.40E-01 4.34E-01 5.79E-01 7.24E-01 8.64E-01 1.01E+00 1.16E+00 1.32E+00 1.49E+00

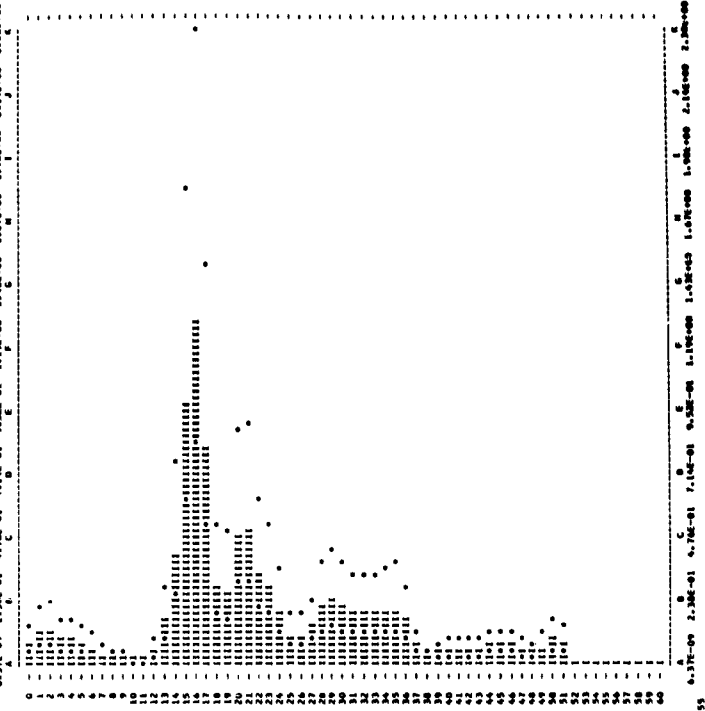


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/ 6/55 AV. T = 7.5 RECORD = JMC033
 HOUR = 15 SIG.HGT. = 12.5 UPPER HGT. = 15.0
 TOTAL DF = 100 CURR. VAR. = 9.7 LOWER HGT. = 11.5
 NOISE LEVEL = .0023 WIND SPEED = 25

#	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.0000	.0766	.0766	.0761	.0761	.1565	.0472
1	.0060	.1200	.1200	.1177	.1177	.2169	.0749
2	.0111	.1330	.1330	.1307	.1307	.2400	.0932
3	.0172	.0907	.0907	.0884	.0884	.1630	.0563
4	.0222	.0909	.0909	.0886	.0886	.1632	.0564
5	.0283	.0772	.0772	.0749	.0749	.1300	.0477
6	.0333	.0366	.0366	.0343	.0343	.0500	.0178
7	.0394	.0250	.0250	.0227	.0227	.0320	.0124
8	.0444	.0254	.0254	.0231	.0231	.0320	.0123
9	.0505	.0202	.0202	.0179	.0179	.0250	.0134
10	.0556	.0160	.0160	.0137	.0137	.0180	.0090
11	.0606	.0159	.0159	.0136	.0136	.0180	.0090
12	.0667	.0114	.0114	.0091	.0091	.0120	.0056
13	.0722	.1419	.1419	.1396	.1396	.2970	.1026
14	.0772	.2476	.2476	.2453	.2453	.7500	.2612
15	.0833	.7513	.7513	.7490	.7490	1.7000	.6181
16	.0883	1.0076	1.0076	1.0053	1.0053	2.3000	.8222
17	.0944	.6071	.6071	.6048	.6048	1.5000	.5200
18	.1005	.4018	.4018	.3995	.3995	.9000	.3149
19	.1066	.1811	.1811	.1788	.1788	.2716	.0906
20	.1117	.2809	.2809	.2786	.2786	.4616	.0977
21	.1172	.2833	.2833	.2810	.2810	.4901	.0933
22	.1222	.1809	.1809	.1782	.1782	.3394	.0183
23	.1283	.1622	.1622	.1599	.1599	.2809	.0203
24	.1333	.1139	.1139	.1116	.1116	.1902	.0172
25	.1394	.0438	.0438	.0415	.0415	.1010	.0063
26	.1444	.0380	.0380	.0357	.0357	.0971	.0068
27	.1505	.0175	.0175	.0152	.0152	.1133	.0040
28	.1556	.0091	.0091	.0068	.0068	.2094	.0190
29	.1617	.0097	.0097	.0074	.0074	.2107	.0140
30	.1672	.0432	.0432	.0409	.0409	.1000	.0430
31	.1722	.0382	.0382	.0359	.0359	.0967	.0380
32	.1773	.0382	.0382	.0359	.0359	.0967	.0380
33	.1833	.0254	.0254	.0231	.0231	.1006	.0430
34	.1883	.0316	.0316	.0293	.0293	.1935	.0907
35	.1944	.0291	.0291	.0268	.0268	.2017	.0858
36	.2005	.0207	.0207	.0184	.0184	.1905	.0922
37	.2066	.0090	.0090	.0067	.0067	.0461	.0218
38	.2117	.0041	.0041	.0018	.0018	.0102	.0072
39	.2172	.0093	.0093	.0070	.0070	.0393	.0250
40	.2222	.0093	.0093	.0070	.0070	.0393	.0250
41	.2283	.0093	.0093	.0070	.0070	.0393	.0250
42	.2333	.0046	.0046	.0024	.0024	.0449	.0191
43	.2394	.0041	.0041	.0020	.0020	.0449	.0191
44	.2444	.0045	.0045	.0021	.0021	.0409	.0116
45	.2505	.0045	.0045	.0021	.0021	.0474	.0143
46	.2556	.0036	.0036	.0015	.0015	.0406	.0117
47	.2617	.0035	.0035	.0010	.0010	.0314	.0047
48	.2672	.0029	.0029	.0007	.0007	.0438	.0080
49	.2722	.0030	.0031	.0008	.0008	.0481	.0072
50	.2773	.0037	.0036	.0021	.0020	.0496	.0090
51	.2833	.0032	.0031	.0007	.0007	.0775	.0429
52	.2883	.0022	.0023	.0000	.0000	.0016	.0030
53	.2944	.0018	.0019	.0000	.0000	.0000	.0000
54	.3005	.0017	.0017	.0000	.0000	.0000	.0000
55	.3066	.0017	.0020	.0000	.0000	.0000	.0000
56	.3117	.0018	.0019	.0000	.0000	.0010	.0034
57	.3172	.0042	.0036	.0013	.0013	.0013	.0024
58	.3222	.0033	.0030	.0007	.0007	.0013	.0008
59	.3283	.0012	.0012	.0000	.0000	.0000	.0000
60	.3333	.0008	.0011	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC033 8/ 6/55
 HOURS: 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 31-32 33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48 49-50 51-52 53-54 55-56 57-58 59-60

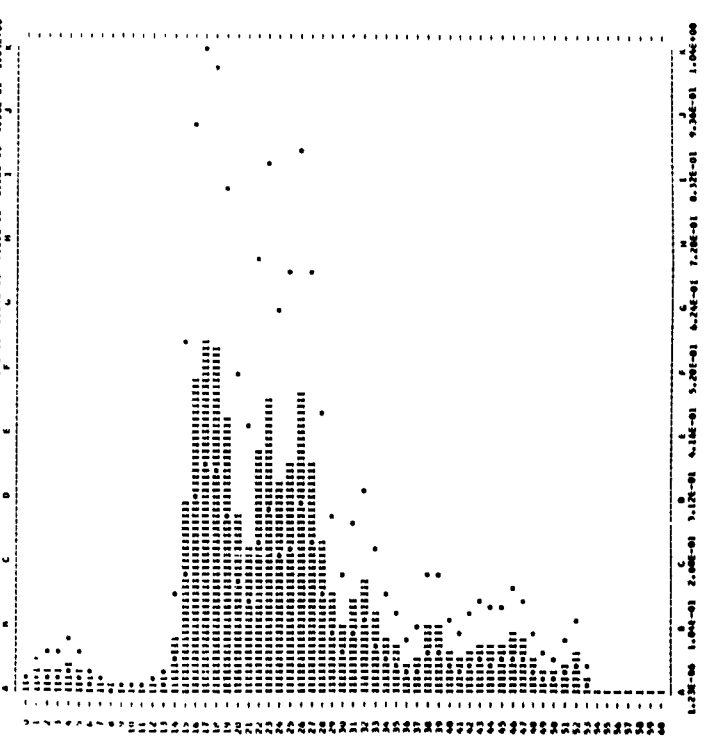


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 8/ 6/55 AV. T = 6.8 RECORD = JMC034
 HOUR = 21 SIG.HGT. = 11.2 UPPER HGT. = 12.0
 TOTAL DF = 241 CURR. VAR. = 7.8 LOWER HGT. = 10.4
 NOISE LEVEL = .0022 WIND SPEED = 20

#	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.0000	.0139	.0139	.0117	.0117	.0216	.0074
1	.0060	.0285	.0285	.0263	.0263	.0485	.0169
2	.0111	.0374	.0376	.0355	.0355	.0656	.0226
3	.0172	.0361	.0361	.0339	.0339	.0626	.0216
4	.0222	.0448	.0448	.0427	.0427	.0787	.0252
5	.0283	.0334	.0334	.0313	.0313	.0577	.0199
6	.0333	.0143	.0143	.0122	.0122	.0197	.0063
7	.0394	.0095	.0095	.0074	.0074	.0101	.0036
8	.0444	.0078	.0078	.0056	.0056	.0070	.0025
9	.0505	.0062	.0062	.0040	.0040	.0047	.0020
10	.0556	.0061	.0061	.0039	.0039	.0045	.0020
11	.0606	.0067	.0067	.0046	.0046	.0052	.0023
12	.0667	.0144	.0144	.0123	.0123	.0137	.0056
13	.0722	.0182	.0182	.0160	.0160	.0185	.0061
14	.0772	.0757	.0757	.0736	.0736	.0874	.0100
15	.0833	.2474	.2474	.2453	.2453	.3018	.0962
16	.0883	.3875	.3875	.3853	.3853	.4849	.1222
17	.0944	.4198	.4198	.4177	.4177	.5040	.1036
18	.1005	.3866	.3866	.3845	.3845	.4527	.1017
19	.1066	.2901	.2901	.2879	.2879	.4374	.0862
20	.1117	.1740	.1740	.1719	.1719	.2791	.0544
21	.1172	.1337	.1337	.1315	.1315	.2294	.0429
22	.1222	.2039	.2039	.2017	.2017	.3798	.0700
23	.1283	.2209	.2209	.2188	.2188	.4630	.0833
24	.1333	.1929	.1929	.1908	.1908	.3353	.0480
25	.1394	.1517	.1517	.1496	.1496	.3642	.0513
26	.1444	.1795	.1795	.1773	.1773	.4745	.0746
27	.1505	.1270	.1270	.1248	.1248	.3688	.0596
28	.1556	.0755	.0755	.0734	.0734	.2402	.0426
29	.1617	.0436	.0436	.0414	.0414	.1908	.0279
30	.1672	.0267	.0267	.0245	.0245	.0994	.0093
31	.1722	.0241	.0241	.0219	.0219	.1496	.0204
32	.1773	.0358	.0358	.0337	.0337	.1733	.0196
33	.1833	.0230	.0230	.0209	.0209	.1214	.0238
34	.1883	.0144	.0144	.0123	.0123	.0845	.0197
35	.1944	.0113	.0113	.0091	.0091	.0640	.0271
36	.2005	.0074	.0074	.0053	.0053	.0436	.0040
37	.2066	.0078	.0078	.0056	.0056	.0540	.0057
38	.2117	.0109	.0109	.0087	.0087	.0995	.0134
39	.2172	.0096	.0096	.0075	.0075	.0949	.0123
40	.2222	.0093	.0092	.0070	.0070	.0620	.0142
41	.2283	.0045	.0045	.0021	.0021	.0301	.0023
42	.2333	.0055	.0053	.0031	.0031	.0693	.0204
43	.2394	.0056	.0052	.0031	.0031	.0784	.0148
44	.2444	.0043	.0046	.0026	.0026	.0710	.0092
45	.2505	.0041	.0043	.0021	.0021	.0742	.0088
46	.2556	.0047	.0043	.0021	.0021	.0886	.0132
47	.2617	.0017	.0017	.0016	.0016	.0787	.0040
48	.2672	.0048	.0040	.0008	.0008	.0501	.0027
49	.2722	.0026	.0026	.0006	.0006	.0321	.0042
50	.2773	.0023	.0026	.0004	.0004	.0248	.0049
51	.2833	.0026	.0026	.0004	.0004	.0437	.0080
52	.2883	.0028	.0026	.0005	.0005	.0593	.0104
53	.2944	.0023	.0023	.0001	.0001	.0212	.0040
54	.3005	.0018	.0019	.0000	.0000	.0000	.0000
55	.3066	.0018	.0018	.0000	.0000	.0000	.0000
56	.3117	.0019	.0019	.0000	.0000	.0000	.0000
57	.3172	.0022	.0021	.0000	.0000	.0000	.0000
58	.3222	.0021	.0021	.0000	.0000	.0000	.0000
59	.3283	.0020	.0021	.0000	.0000	.0000	.0000
60	.3333	.0022	.0021	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 JMC034 8/ 6/55
 HOURS: 21-22 23-24 25-26 27-28 29-30 31-32 33-34 35-36 37-38 39-40 41-42 43-44 45-46 47-48 49-50 51-52 53-54 55-56 57-58 59-60

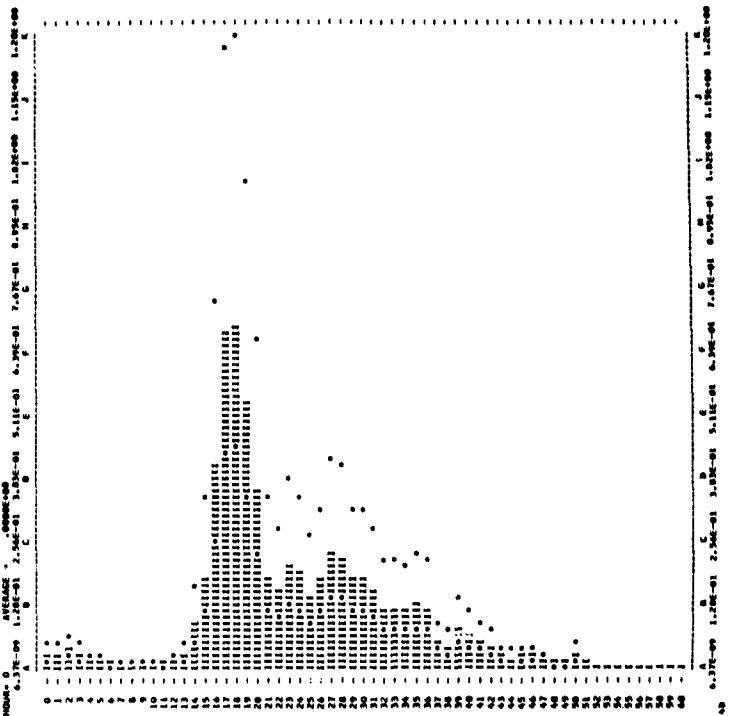


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 8/55 AV. T = 7.3 RECORD = JMC035
 HOUR = 0 SIG.MGT. = 10.0 UPPER MGT. = 10.0
 CORR. VAR. = 0.2 LOWER MGT. = 10.0
 TOTAL DF = 100 NOISE LEVEL = .0024 WIND SPEED = 15

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0294	.0294	.0270	.0270	.0497	.0172
1	.006	.0288	.0288	.0266	.0266	.0486	.0170
2	.011	.0282	.0282	.0262	.0262	.0472	.0168
3	.017	.0272	.0272	.0254	.0254	.0457	.0166
4	.022	.0274	.0274	.0250	.0250	.0449	.0164
5	.028	.0266	.0266	.0242	.0242	.0434	.0162
6	.033	.0260	.0260	.0236	.0236	.0421	.0160
7	.039	.0252	.0252	.0230	.0230	.0409	.0158
8	.044	.0246	.0246	.0224	.0224	.0398	.0156
9	.050	.0240	.0240	.0218	.0218	.0388	.0154
10	.056	.0232	.0232	.0212	.0212	.0379	.0152
11	.061	.0226	.0226	.0206	.0206	.0370	.0150
12	.067	.0218	.0218	.0200	.0200	.0362	.0148
13	.072	.0212	.0212	.0194	.0194	.0354	.0146
14	.078	.0204	.0204	.0188	.0188	.0346	.0144
15	.083	.0198	.0198	.0182	.0182	.0338	.0142
16	.089	.0190	.0190	.0176	.0176	.0330	.0140
17	.094	.0184	.0184	.0170	.0170	.0322	.0138
18	.100	.0176	.0176	.0164	.0164	.0314	.0136
19	.106	.0170	.0170	.0158	.0158	.0306	.0134
20	.111	.0164	.0164	.0152	.0152	.0298	.0132
21	.117	.0156	.0156	.0146	.0146	.0290	.0130
22	.122	.0150	.0150	.0140	.0140	.0282	.0128
23	.128	.0142	.0142	.0134	.0134	.0274	.0126
24	.133	.0136	.0136	.0128	.0128	.0266	.0124
25	.138	.0130	.0130	.0122	.0122	.0258	.0122
26	.144	.0122	.0122	.0116	.0116	.0250	.0120
27	.150	.0116	.0116	.0110	.0110	.0242	.0118
28	.156	.0110	.0110	.0104	.0104	.0234	.0116
29	.161	.0104	.0104	.0098	.0098	.0226	.0114
30	.167	.0098	.0098	.0092	.0092	.0218	.0112
31	.172	.0092	.0092	.0086	.0086	.0210	.0110
32	.178	.0086	.0086	.0080	.0080	.0202	.0108
33	.183	.0080	.0080	.0074	.0074	.0194	.0106
34	.189	.0074	.0074	.0068	.0068	.0186	.0104
35	.194	.0068	.0068	.0062	.0062	.0178	.0102
36	.200	.0062	.0062	.0056	.0056	.0170	.0100
37	.206	.0056	.0056	.0050	.0050	.0162	.0098
38	.211	.0050	.0050	.0044	.0044	.0154	.0096
39	.217	.0044	.0044	.0038	.0038	.0146	.0094
40	.222	.0038	.0038	.0032	.0032	.0138	.0092
41	.228	.0032	.0032	.0026	.0026	.0130	.0090
42	.233	.0026	.0026	.0020	.0020	.0122	.0088
43	.238	.0020	.0020	.0014	.0014	.0114	.0086
44	.244	.0014	.0014	.0008	.0008	.0106	.0084
45	.250	.0008	.0008	.0002	.0002	.0098	.0082
46	.256	.0002	.0002	.0000	.0000	.0090	.0080
47	.261	.0000	.0000	.0000	.0000	.0082	.0078
48	.267	.0000	.0000	.0000	.0000	.0074	.0076
49	.272	.0000	.0000	.0000	.0000	.0066	.0074
50	.278	.0000	.0000	.0000	.0000	.0058	.0072
51	.283	.0000	.0000	.0000	.0000	.0050	.0070
52	.289	.0000	.0000	.0000	.0000	.0042	.0068
53	.294	.0000	.0000	.0000	.0000	.0034	.0066
54	.300	.0000	.0000	.0000	.0000	.0026	.0064
55	.306	.0000	.0000	.0000	.0000	.0018	.0062
56	.311	.0000	.0000	.0000	.0000	.0010	.0060
57	.317	.0000	.0000	.0000	.0000	.0002	.0058
58	.322	.0000	.0000	.0000	.0000	.0000	.0056
59	.328	.0000	.0000	.0000	.0000	.0000	.0054
60	.333	.0000	.0000	.0000	.0000	.0000	.0052

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

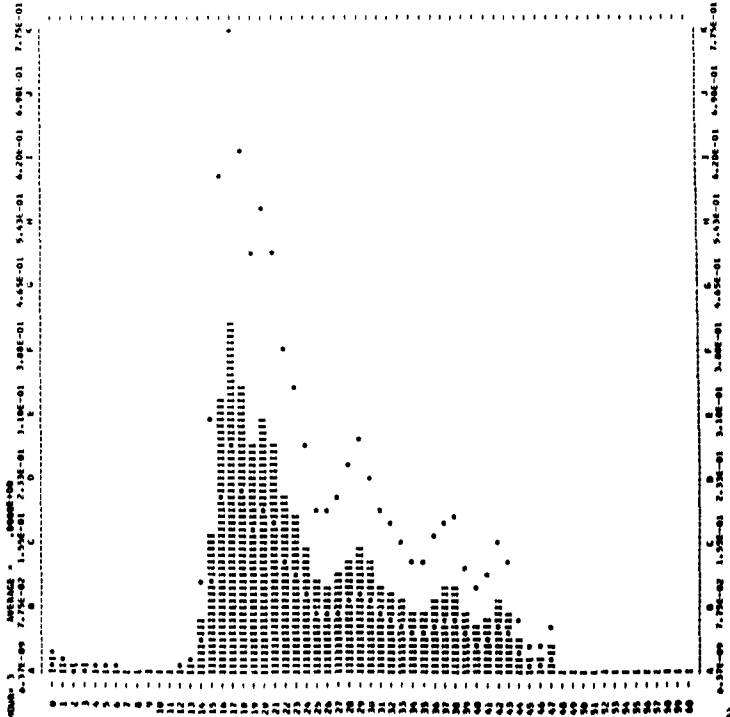


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 8/55 AV. T = 6.9 RECORD = JMC036
 HOUR = 3 SIG.MGT. = 8.0 UPPER MGT. = 9.3
 CORR. VAR. = 0.0 LOWER MGT. = 8.0
 TOTAL DF = 224 NOISE LEVEL = .0013 WIND SPEED = 15

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0132	.0132	.0114	.0112	.0220	.0074
1	.006	.0092	.0092	.0079	.0074	.0146	.0050
2	.011	.0065	.0065	.0052	.0052	.0096	.0033
3	.017	.0071	.0071	.0058	.0058	.0107	.0037
4	.022	.0048	.0048	.0039	.0039	.0063	.0022
5	.028	.0037	.0037	.0024	.0024	.0044	.0015
6	.033	.0033	.0033	.0020	.0020	.0040	.0021
7	.039	.0020	.0020	.0007	.0010	.0018	.0006
8	.044	.0017	.0017	.0004	.0009	.0009	.0003
9	.050	.0019	.0019	.0008	.0007	.0013	.0005
10	.056	.0013	.0013	.0000	.0000	.0000	.0000
11	.061	.0019	.0019	.0004	.0007	.0013	.0004
12	.067	.0002	.0002	.0000	.0000	.0000	.0000
13	.072	.0100	.0100	.0087	.0101	.0185	.0064
14	.078	.0913	.0913	.0500	.0594	.1094	.0378
15	.083	.1355	.1355	.1342	.1451	.1644	.1051
16	.089	.2535	.2535	.2522	.3240	.1971	.2043
17	.094	.3128	.3128	.3115	.4207	.1754	.2479
18	.100	.2404	.2404	.2381	.3414	.4292	.2174
19	.106	.1805	.1805	.1792	.2723	.3012	.1777
20	.111	.1849	.1849	.1834	.3015	.2556	.1819
21	.117	.1589	.1589	.1572	.2742	.2055	.1744
22	.122	.1119	.1119	.1104	.2083	.1839	.1328
23	.128	.0927	.0927	.0911	.1484	.1440	.1188
24	.133	.0470	.0470	.0457	.1442	.2444	.0921
25	.138	.0443	.0443	.0430	.1047	.1930	.0647
26	.144	.0401	.0401	.0388	.1039	.1839	.0718
27	.150	.0395	.0395	.0382	.1124	.2479	.0718
28	.156	.0425	.0425	.0412	.1349	.2486	.0859
29	.161	.0424	.0424	.0411	.1497	.2759	.0953
30	.167	.0328	.0328	.0315	.1283	.2368	.0817
31	.172	.0240	.0240	.0227	.1037	.1911	.0640
32	.178	.0147	.0147	.0144	.0948	.1747	.0604
33	.183	.0194	.0194	.0181	.0821	.1514	.0523
34	.189	.0118	.0118	.0105	.0695	.1281	.0443
35	.194	.0107	.0107	.0094	.0710	.1308	.0432
36	.200	.0113	.0113	.0100	.0844	.1593	.0550
37	.206	.0112	.0112	.0099	.0883	.1812	.0648
38	.211	.0101	.0101	.0088	.1000	.1899	.0642
39	.217	.0064	.0064	.0051	.0879	.1250	.0432
40	.222	.0039	.0039	.0034	.0929	.0970	.0335
41	.228	.0048	.0048	.0039	.0633	.1164	.0403
42	.233	.0040	.0040	.0030	.0821	.1812	.0523
43	.238	.0043	.0043	.0038	.0705	.1299	.0449
44	.244	.0021	.0021	.0012	.0394	.0484	.0237
45	.250	.0015	.0015	.0004	.0132	.0281	.0097
46	.256	.0018	.0018	.0004	.0181	.0334	.0115
47	.261	.0018	.0018	.0006	.0279	.0314	.0117
48	.267	.0000	.0000	.0000	.0000	.0015	.0000
49	.272	.0027	.0027	.0012	.0012	.0023	.0008
50	.278	.0027	.0027	.0013	.0013	.0023	.0008
51	.283	.0021	.0021	.0008	.0008	.0015	.0005
52	.289	.0015	.0015	.0003	.0003	.0009	.0002
53	.294	.0012	.0012	.0001	.0001	.0002	.0001
54	.300	.0017	.0017	.0004	.0004	.0007	.0002
55	.306	.0020	.0020	.0004	.0004	.0008	.0003
56	.311	.0012	.0012	.0000	.0000	.0000	.0000
57	.317	.0007	.0007	.0000	.0000	.0000	.0000
58	.322	.0008	.0008	.0000	.0000	.0000	.0000
59	.328	.0008	.0008	.0000	.0000	.0000	.0000
60	.333	.0007	.0007	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

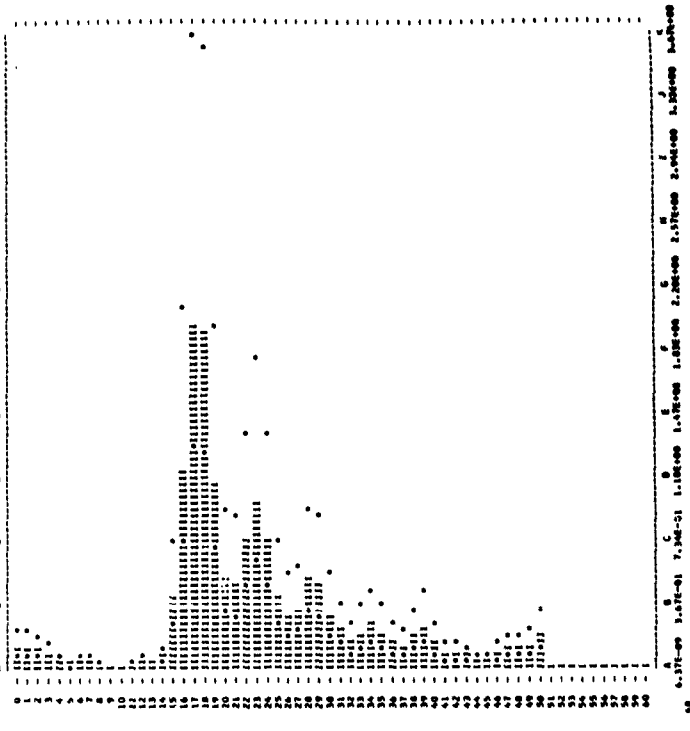


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 07/4/55 AV. T. = 15.0 RECORD = JHC037
 HOUR = 0 SIG. HGT. = 15.4 UPPER HGT. = 17.3
 TOTAL DF = 171 CORR. VAR. = 15.4 LOWER HGT. = 14.8
 NOISE LEVEL = .0044 WIND SPEED = 20

H	PRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1237	.1237	.1193	.1193	.2199	.0760
1	.000	.1176	.1176	.1130	.1130	.2183	.0728
2	.011	.1110	.1110	.1072	.1072	.2176	.0693
3	.017	.0928	.0928	.0894	.0894	.2168	.0659
4	.023	.0827	.0827	.0793	.0793	.2160	.0625
5	.028	.0755	.0755	.0721	.0721	.2151	.0591
6	.033	.0707	.0707	.0673	.0673	.2142	.0557
7	.039	.0670	.0670	.0636	.0636	.2133	.0523
8	.044	.0641	.0641	.0607	.0607	.2124	.0489
9	.050	.0614	.0614	.0580	.0580	.2115	.0455
10	.056	.0590	.0590	.0552	.0552	.2106	.0421
11	.061	.0568	.0568	.0529	.0529	.2097	.0387
12	.067	.0548	.0548	.0514	.0514	.2088	.0353
13	.072	.0530	.0530	.0495	.0495	.2079	.0319
14	.078	.0514	.0514	.0477	.0477	.2070	.0285
15	.083	.0500	.0500	.0460	.0460	.2061	.0251
16	.089	.0488	.0488	.0445	.0445	.2052	.0217
17	.096	.0478	.0478	.0432	.0432	.2043	.0183
18	.100	.0470	.0470	.0421	.0421	.2034	.0149
19	.104	.0464	.0464	.0411	.0411	.2025	.0115
20	.111	.0459	.0459	.0402	.0402	.2016	.0081
21	.117	.0456	.0456	.0393	.0393	.2007	.0047
22	.122	.0454	.0454	.0384	.0384	.2000	.0013
23	.128	.0453	.0453	.0375	.0375	.1993	.0000
24	.133	.0453	.0453	.0366	.0366	.1986	.0000
25	.139	.0453	.0453	.0357	.0357	.1979	.0000
26	.144	.0453	.0453	.0348	.0348	.1972	.0000
27	.150	.0453	.0453	.0339	.0339	.1965	.0000
28	.156	.0453	.0453	.0330	.0330	.1958	.0000
29	.161	.0453	.0453	.0321	.0321	.1951	.0000
30	.167	.0453	.0453	.0312	.0312	.1944	.0000
31	.172	.0453	.0453	.0303	.0303	.1937	.0000
32	.178	.0453	.0453	.0294	.0294	.1930	.0000
33	.183	.0453	.0453	.0285	.0285	.1923	.0000
34	.189	.0453	.0453	.0276	.0276	.1916	.0000
35	.194	.0453	.0453	.0267	.0267	.1909	.0000
36	.200	.0453	.0453	.0258	.0258	.1902	.0000
37	.206	.0453	.0453	.0249	.0249	.1895	.0000
38	.211	.0453	.0453	.0240	.0240	.1888	.0000
39	.217	.0453	.0453	.0231	.0231	.1881	.0000
40	.222	.0453	.0453	.0222	.0222	.1874	.0000
41	.228	.0453	.0453	.0213	.0213	.1867	.0000
42	.233	.0453	.0453	.0204	.0204	.1860	.0000
43	.239	.0453	.0453	.0195	.0195	.1853	.0000
44	.244	.0453	.0453	.0186	.0186	.1846	.0000
45	.250	.0453	.0453	.0177	.0177	.1839	.0000
46	.256	.0453	.0453	.0168	.0168	.1832	.0000
47	.261	.0453	.0453	.0159	.0159	.1825	.0000
48	.267	.0453	.0453	.0150	.0150	.1818	.0000
49	.272	.0453	.0453	.0141	.0141	.1811	.0000
50	.278	.0453	.0453	.0132	.0132	.1804	.0000
51	.283	.0453	.0453	.0123	.0123	.1797	.0000
52	.289	.0453	.0453	.0114	.0114	.1790	.0000
53	.294	.0453	.0453	.0105	.0105	.1783	.0000
54	.300	.0453	.0453	.0096	.0096	.1776	.0000
55	.306	.0453	.0453	.0087	.0087	.1769	.0000
56	.311	.0453	.0453	.0078	.0078	.1762	.0000
57	.317	.0453	.0453	.0069	.0069	.1755	.0000
58	.322	.0453	.0453	.0060	.0060	.1748	.0000
59	.328	.0453	.0453	.0051	.0051	.1741	.0000
60	.333	.0453	.0453	.0042	.0042	.1734	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE = .00000000
 6.37E-07 3.07E-01 7.34E-01 1.82E+00 2.20E+00 2.57E+00 2.94E+00 3.30E+00 3.67E+00

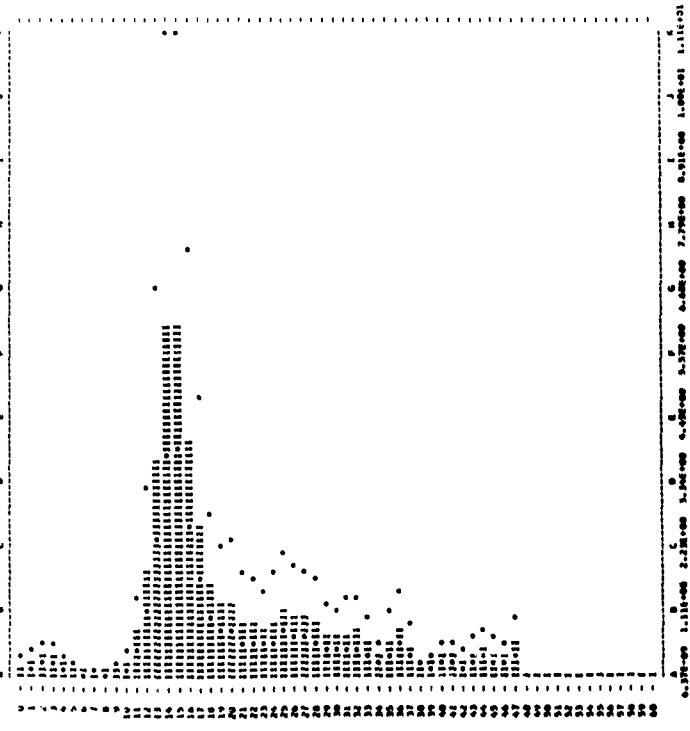


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 07/4/55 AV. T. = 0.1 RECORD = JHC038
 HOUR = 12 SIG. HGT. = 27.4 UPPER HGT. = 30.0
 TOTAL DF = 169 CORR. VAR. = 47.0 LOWER HGT. = 25.1
 NOISE LEVEL = .0243 WIND SPEED = 40

H	PRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1844	.1844	.1801	.1801	.2790	.1019
1	.004	.2613	.2613	.2570	.2570	.4368	.1501
2	.011	.2362	.2362	.2319	.2319	.3748	.1266
3	.017	.2036	.2036	.2003	.2003	.3167	.1078
4	.023	.1868	.1868	.1825	.1825	.2732	.0929
5	.028	.1696	.1696	.1653	.1653	.2391	.0791
6	.033	.0739	.0739	.0706	.0706	.1476	.0510
7	.039	.0675	.0675	.0642	.0642	.0860	.0325
8	.044	.0634	.0634	.0591	.0591	.0736	.0268
9	.050	.1303	.1303	.1260	.1260	.2068	.0892
10	.056	.2517	.2517	.2474	.2474	.4777	.1630
11	.061	.6766	.6766	.6523	.6523	.1333	.4670
12	.067	1.9990	1.9990	1.9707	1.9707	3.2838	1.1344
13	.072	3.1876	3.1876	3.1333	3.1333	6.7204	2.3238
14	.078	5.1902	5.1902	5.0809	5.0809	11.1160	3.8462
15	.083	6.9344	6.9344	6.7101	6.7101	11.1381	3.8688
16	.089	3.1207	3.1207	3.0064	3.0064	7.3264	2.6027
17	.096	1.9420	1.9420	1.9177	1.9177	2.5996	1.4449
18	.100	1.0882	1.0882	1.0639	1.0639	2.7996	.9671
19	.106	.8160	.8160	.7897	.7897	1.1408	2.2113
20	.111	.7871	.7871	.7620	.7620	1.0288	2.8333
21	.117	.5601	.5601	.5418	.5418	1.7419	.6018
22	.122	.4962	.4962	.4799	.4799	1.6806	.5633
23	.128	.4196	.4196	.4051	.4051	1.4866	.4136
24	.133	.4463	.4463	.4220	.4220	1.7100	.3976
25	.139	.4966	.4966	.4703	.4703	2.1105	.7261
26	.144	.6069	.6069	.5806	.5806	1.8186	1.6778
27	.150	.3500	.3500	.3337	.3337	.9091	1.0197
28	.156	.2887	.2887	.2804	.2804	.9306	1.7153
29	.161	.2979	.2979	.2896	.2896	.8485	2.2321
30	.167	.1779	.1779	.1736	.1736	.6293	1.1825
31	.172	.1821	.1821	.1778	.1778	.7203	1.3877
32	.178	.1687	.1687	.1644	.1644	.7436	1.3702
33	.183	.1202	.1202	.1159	.1159	.5979	1.0283
34	.189	.0735	.0735	.0692	.0692	.3252	.5995
35	.194	.1008	.1008	.0965	.0965	.3765	1.0626
36	.200	.1180	.1180	.0937	.0937	.8088	1.4907
37	.206	.0731	.0731	.0688	.0688	.4837	.8916
38	.211	.0348	.0348	.0305	.0305	.1198	.2210
39	.217	.0370	.0370	.0227	.0227	.1682	.3101
40	.222	.0486	.0486	.0196	.0196	.2293	.5916
41	.228	.0407	.0407	.0160	.0160	.2682	.5112
42	.233	.0313	.0313	.0116	.0116	.2402	.4427
43	.239	.0395	.0395	.0139	.0139	.3459	.1676
44	.244	.0327	.0327	.0092	.0092	.4470	.8238
45	.250	.0313	.0313	.0074	.0074	.3612	.6430
46	.256	.0295	.0295	.0070	.0070	.3068	.5655
47	.261	.0304	.0304	.0066	.0066	.3256	.9705
48	.267	.0411	.0411	.0138	.0138	.0138	.0294
49	.272	.0394	.0394	.0115	.0115	.0115	.0073
50	.278	.0308	.0308	.0082	.0082	.0152	.0054
51	.283	.0330	.0330	.0062	.0062	.0062	.0113
52	.289	.0251	.0251	.0009	.0009	.0016	.0006
53	.294	.0176	.0176	.0000	.0000	.0000	.0000
54	.300	.0275	.0275	.0033	.0033	.0033	.0061
55	.306	.0379	.0379	.0093	.0093	.0093	.0171
56	.311	.0311	.0311	.0055	.0055	.0102	.0039
57	.317	.0193	.0193	.0000	.0000	.0000	.0000
58	.322	.0193	.0193	.0000	.0000	.0000	.0000
59	.328	.0177	.0177	.0000	.0000	.0000	.0000
60	.333	.0198	.0198	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12 AVERAGE = .00000000
 6.37E-07 1.11E+00 2.32E+00 3.34E+00 4.48E+00 5.37E+00 6.48E+00 7.79E+00 8.91E+00 1.00E+01 1.11E+01



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

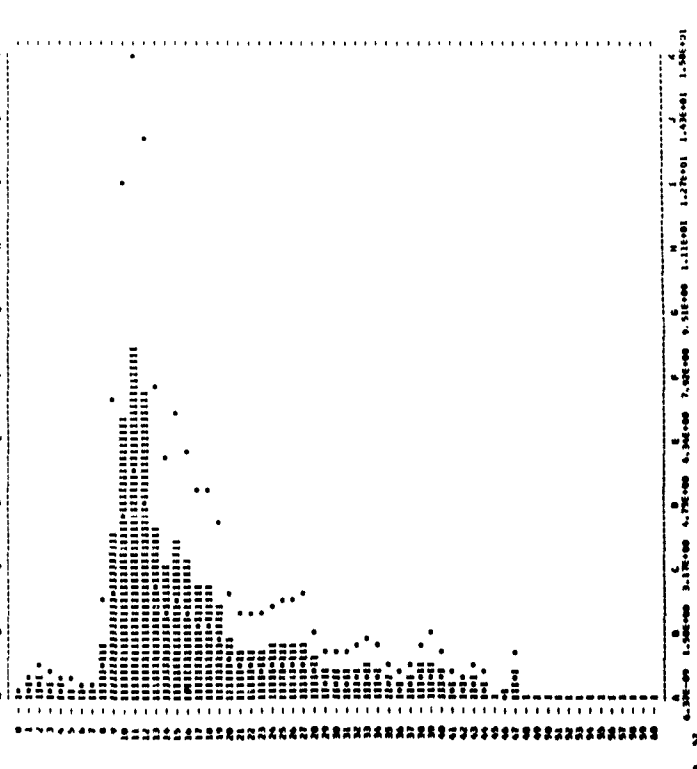
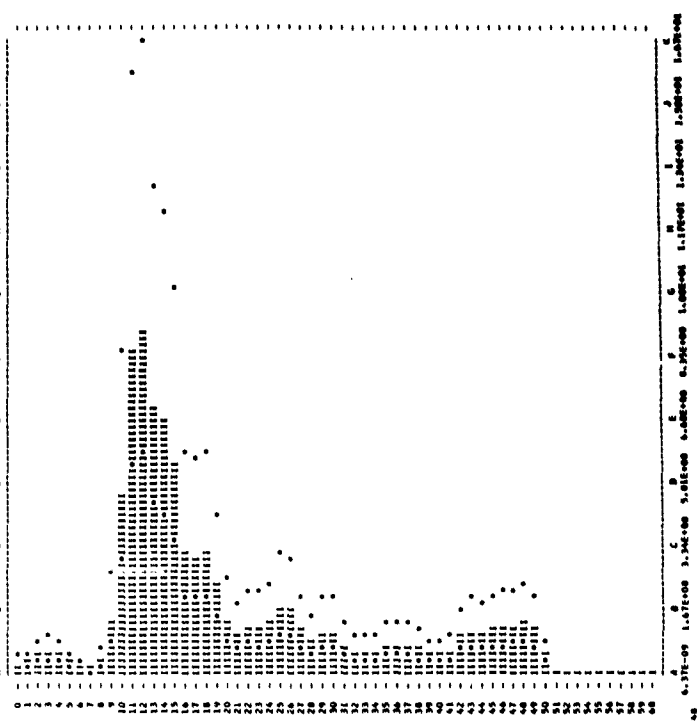
DATE = 8/4/55 AV. T = 7.7 RECORD = JMC000
 HOUR = 18 SIG. HGT. = 37.3 UPPER HGT. = 66.4
 TOTAL DF = 303 CORR. VAR. = 86.5 LOWER HGT. = 34.4
 NOISE LEVEL = .0292 WIND SPEED = 40

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.2503	.2503	.2501	.4315	.1491
1	.006	1.3009	1.3009	1.3023	1.9057	1.1967
2	.011	4.0463	4.0462	4.0410	6.4110	3.8208
3	.017	9.3299	9.3299	9.3187	13.1877	8.3052
4	.022	16.9565	16.9565	16.9333	22.9201	14.7660
5	.028	28.0077	28.0077	27.9755	37.5555	24.7110
6	.033	43.1369	43.1369	43.1111	54.1005	36.1140
7	.039	62.1103	62.1103	62.0853	74.5512	49.0660
8	.044	85.9999	85.9999	86.0477	100.0000	64.5237
9	.050	122.2260	122.2260	122.2000	140.0000	88.0000
10	.055	170.0000	170.0000	170.0000	190.0000	118.0000
11	.061	240.0000	240.0000	240.0000	260.0000	158.0000
12	.067	330.0000	330.0000	330.0000	350.0000	208.0000
13	.072	450.0000	450.0000	450.0000	470.0000	268.0000
14	.078	610.0000	610.0000	610.0000	630.0000	338.0000
15	.083	810.0000	810.0000	810.0000	830.0000	418.0000
16	.089	1050.0000	1050.0000	1050.0000	1070.0000	508.0000
17	.094	1350.0000	1350.0000	1350.0000	1370.0000	608.0000
18	.100	1720.0000	1720.0000	1720.0000	1740.0000	718.0000
19	.106	2180.0000	2180.0000	2180.0000	2200.0000	838.0000
20	.111	2750.0000	2750.0000	2750.0000	2770.0000	968.0000
21	.117	3450.0000	3450.0000	3450.0000	3470.0000	1108.0000
22	.122	4300.0000	4300.0000	4300.0000	4320.0000	1258.0000
23	.128	5300.0000	5300.0000	5300.0000	5320.0000	1418.0000
24	.133	6450.0000	6450.0000	6450.0000	6470.0000	1588.0000
25	.139	7750.0000	7750.0000	7750.0000	7770.0000	1768.0000
26	.144	9300.0000	9300.0000	9300.0000	9320.0000	1958.0000
27	.150	11000.0000	11000.0000	11000.0000	11020.0000	2158.0000
28	.156	12900.0000	12900.0000	12900.0000	12920.0000	2368.0000
29	.161	15000.0000	15000.0000	15000.0000	15020.0000	2588.0000
30	.167	17300.0000	17300.0000	17300.0000	17320.0000	2828.0000
31	.172	20000.0000	20000.0000	20000.0000	20020.0000	3088.0000
32	.178	23000.0000	23000.0000	23000.0000	23020.0000	3368.0000
33	.183	26500.0000	26500.0000	26500.0000	26520.0000	3668.0000
34	.189	30500.0000	30500.0000	30500.0000	30520.0000	3988.0000
35	.194	35000.0000	35000.0000	35000.0000	35020.0000	4328.0000
36	.200	40000.0000	40000.0000	40000.0000	40020.0000	4688.0000
37	.206	45500.0000	45500.0000	45500.0000	45520.0000	5068.0000
38	.211	51500.0000	51500.0000	51500.0000	51520.0000	5468.0000
39	.217	58000.0000	58000.0000	58000.0000	58020.0000	5888.0000
40	.222	65000.0000	65000.0000	65000.0000	65020.0000	6328.0000
41	.228	72500.0000	72500.0000	72500.0000	72520.0000	6788.0000
42	.233	80500.0000	80500.0000	80500.0000	80520.0000	7268.0000
43	.239	89000.0000	89000.0000	89000.0000	89020.0000	7768.0000
44	.244	98000.0000	98000.0000	98000.0000	98020.0000	8288.0000
45	.250	107500.0000	107500.0000	107500.0000	107520.0000	8828.0000
46	.256	117500.0000	117500.0000	117500.0000	117520.0000	9388.0000
47	.261	128000.0000	128000.0000	128000.0000	128020.0000	9968.0000
48	.267	139000.0000	139000.0000	139000.0000	139020.0000	10568.0000
49	.272	150500.0000	150500.0000	150500.0000	150520.0000	11188.0000
50	.278	162500.0000	162500.0000	162500.0000	162520.0000	11828.0000
51	.283	175000.0000	175000.0000	175000.0000	175020.0000	12488.0000
52	.289	188000.0000	188000.0000	188000.0000	188020.0000	13168.0000
53	.294	201500.0000	201500.0000	201500.0000	201520.0000	13868.0000
54	.300	215500.0000	215500.0000	215500.0000	215520.0000	14588.0000
55	.306	230000.0000	230000.0000	230000.0000	230020.0000	15328.0000
56	.311	245000.0000	245000.0000	245000.0000	245020.0000	16088.0000
57	.317	260500.0000	260500.0000	260500.0000	260520.0000	16868.0000
58	.322	276500.0000	276500.0000	276500.0000	276520.0000	17668.0000
59	.328	293000.0000	293000.0000	293000.0000	293020.0000	18488.0000
60	.333	310000.0000	310000.0000	310000.0000	310020.0000	19328.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 21 SIG. HGT. = 34.1 UPPER HGT. = 37.1
 TOTAL DF = 184 CORR. VAR. = 72.8 LOWER HGT. = 31.3
 NOISE LEVEL = .0321 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.0971	.0971	.0650	.1198	.0414
1	.006	.2816	.2816	.2495	.2495	.1569
2	.011	.4972	.4972	.4451	.4451	.2861
3	.017	1.3925	1.3925	1.3004	1.3004	.8443
4	.022	2.9664	2.9664	2.8443	2.8443	1.8483
5	.028	5.2450	5.2450	5.1229	5.1229	3.2484
6	.033	8.1574	8.1574	8.0353	8.0353	4.9485
7	.039	11.7599	11.7599	11.6338	11.6338	6.9486
8	.044	16.2424	16.2424	16.1213	16.1213	9.2487
9	.050	21.7249	21.7249	21.6098	21.6098	11.8488
10	.055	28.2074	28.2074	28.0977	28.0977	14.7489
11	.061	35.6899	35.6899	35.5760	35.5760	17.9490
12	.067	44.1724	44.1724	44.0421	44.0421	21.4491
13	.072	53.6549	53.6549	53.5082	53.5082	25.2492
14	.078	64.1374	64.1374	64.0003	64.0003	29.3493
15	.083	75.6199	75.6199	75.4824	75.4824	33.7494
16	.089	88.1024	88.1024	88.0645	88.0645	38.4495
17	.094	101.5849	101.5849	101.5466	101.5466	43.4496
18	.100	116.0674	116.0674	116.0291	116.0291	48.7497
19	.106	131.5499	131.5499	131.5118	131.5118	54.3498
20	.111	148.0324	148.0324	148.0000	148.0000	60.2499
21	.117	165.5149	165.5149	165.4821	165.4821	66.4499
22	.122	184.0000	184.0000	184.0000	184.0000	72.9499
23	.128	203.4825	203.4825	203.4446	203.4446	79.7499
24	.133	223.9650	223.9650	223.9271	223.9271	86.8499
25	.139	245.4475	245.4475	245.4092	245.4092	94.2499
26	.144	267.9300	267.9300	267.8913	267.8913	101.9499
27	.150	291.4125	291.4125	291.3744	291.3744	110.0499
28	.156	315.8950	315.8950	315.8571	315.8571	118.5499
29	.161	341.3775	341.3775	341.3400	341.3400	127.4499
30	.167	367.8600	367.8600	367.8221	367.8221	136.7499
31	.172	395.3425	395.3425	395.3042	395.3042	146.4499
32	.178	423.8250	423.8250	423.7863	423.7863	156.5499
33	.183	453.3075	453.3075	453.2684	453.2684	167.0499
34	.189	483.7900	483.7900	483.7505	483.7505	177.9499
35	.194	515.2725	515.2725	515.2326	515.2326	189.2499
36	.200	547.7550	547.7550	547.7147	547.7147	200.9499
37	.206	581.2375	581.2375	581.1968	581.1968	213.0499
38	.211	615.7200	615.7200	615.6789	615.6789	225.5499
39	.217	651.2025	651.2025	651.1610	651.1610	238.4499
40	.222	687.6850	687.6850	687.6431	687.6431	251.7499
41	.228	725.1675	725.1675	725.1256	725.1256	265.4499
42	.233	763.6500	763.6500	763.6081	763.6081	279.5499
43	.239	803.1325	803.1325	803.0902	803.0902	294.0499
44	.244	843.6150	843.6150	843.5723	843.5723	308.9499
45	.250	885.0975	885.0975	885.0544	885.0544	324.2499
46	.256	927.5800	927.5800	927.5365	927.5365	339.9499
47	.261	971.0625	971.0625	971.0186	971.0186	356.0499
48	.267	1015.5450	1015.5450	1015.4907	1015.4907	372.5499
49	.272	1061.0275	1061.0275	1060.9728	1060.9728	389.4499
50	.278	1107.5100	1107.5100	1107.4549	1107.4549	406.7499
51	.283	1155.0000	1155.0000	1155.0000	1155.0000	424.4499
52	.289	1203.4825	1203.4825	1203.4450	1203.4450	442.5499
53	.294	1252.9650	1252.9650	1252.9271	1252.9271	461.0499
54	.300	1303.4475	1303.4475	1303.4092	1303.4092	480.0499
55	.306	1354.9300	1354.9300	1354.8913	1354.8913	499.4499
56	.311	1407.4125	1407.4125	1407.3734	1407.3734	519.2499
57	.317	1460.8950	1460.8950	1460.8555	1460.8555	539.4499
58	.322	1515.3775	1515.3775	1515.3360	1515.3360	560.0499
59	.328	1570.8600	1570.8600	1570.8181	1570.8181	581.0499
60	.333	1627.3425	1627.3425	1627.2992	1627.2992	602.4499

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 21 SIG. HGT. = 34.1 UPPER HGT. = 37.1
 TOTAL DF = 184 CORR. VAR. = 72.8 LOWER HGT. = 31.3
 NOISE LEVEL = .0321 WIND SPEED = 25

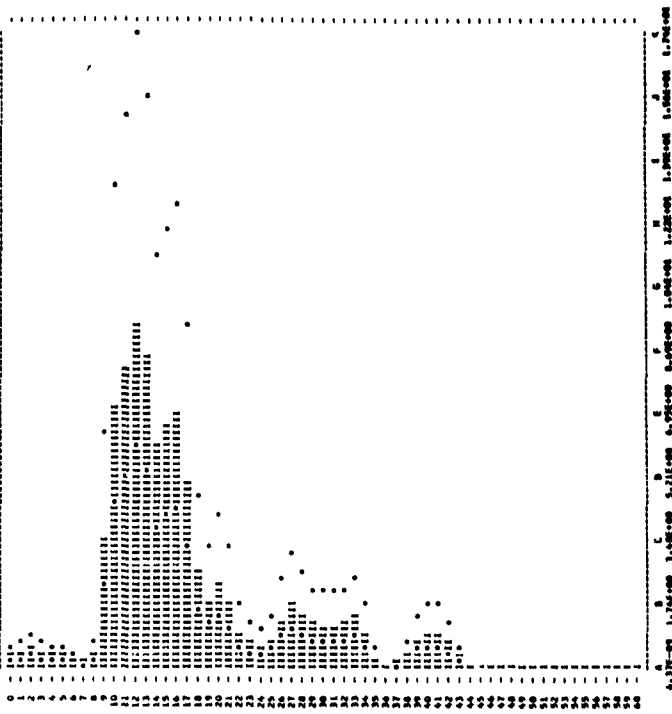


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/4/55 AV. T = 0.5 RECORD = JMC041
 HOUR = 3 SIG.MGT. = 37.2 UPPER MGT. = 40.7
 CORR. VAR. = 01.0 LOWER MGT. = 34.3
 NOISE LEVEL = .0000 WIND SPEED = 40

N	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.2434	.2434	.2504	.2504	.1550	
1	.006	.4000	.4000	.3993	.3582	.2240	
2	.011	.4907	.4907	.4499	.4499	.2830	
3	.017	.4907	.4907	.4499	.4499	.2830	
4	.022	.3990	.3990	.3970	.3070	.1990	
5	.028	.2822	.2822	.2694	.2694	.1710	
6	.033	.1900	.1900	.1844	.1844	.1400	
7	.039	.1190	.1190	.1042	.1010	.0870	
8	.044	.0800	.0800	.0770	.0740	.0630	
9	.050	3.8000	3.8000	2.8771	2.4000	2.2220	
10	.056	6.3016	6.3016	6.2400	7.1230	13.1200	4.5550
11	.061	7.2004	7.2004	7.2200	8.1657	15.0500	5.1994
12	.067	8.2000	8.2000	8.2000	9.2000	17.2000	6.0000
13	.072	7.4204	7.4204	7.3476	8.3074	15.6800	5.4170
14	.078	5.2000	5.2000	5.1407	6.1127	11.2000	3.8000
15	.083	3.3900	3.3900	3.3600	4.3236	12.0200	4.1300
16	.089	5.4100	5.4100	5.3422	6.3078	12.6900	4.3857
17	.094	3.2000	3.2000	3.1607	4.1136	9.4200	3.2500
18	.100	1.8000	1.8000	1.7800	2.7676	4.8900	1.6210
19	.106	1.2200	1.2200	1.1712	1.7704	3.2700	1.1320
20	.111	1.4907	1.4907	1.4400	2.2900	4.2110	1.4344
21	.117	1.0000	1.0000	1.0150	1.7720	3.2400	1.1200
22	.122	.9320	.9320	.8992	.9300	1.7324	.9300
23	.128	.8200	.8200	.7816	.8104	1.2470	.8100
24	.133	.8200	.8200	.7816	.8104	1.2470	.8100
25	.139	.3970	.3970	.3890	.7427	1.3400	.4720
26	.144	.2500	.2500	.2422	.3904	2.3700	.8210
27	.150	.6204	.6204	.6216	1.4075	3.1106	1.0740
28	.154	.4970	.4970	.4442	1.4937	2.6790	.9234
29	.161	.2434	.2434	.2328	1.1900	2.0904	.7350
30	.167	.3290	.3290	.2770	1.1270	2.0787	.7181
31	.172	.2034	.2034	.2004	1.0900	2.0204	.6994
32	.178	.2000	.2000	.2000	1.1225	2.1810	.7400
33	.183	.2822	.2822	.2294	1.3349	2.4404	.8500
34	.189	.1800	.1800	.1771	.9040	1.6713	.5774
35	.194	.0800	.0800	.0811	.2503	.4414	.1700
36	.200	.0524	.0524	.0000	.0000	.0000	.0000
37	.206	.0619	.0619	.0001	.0003	1.0444	.0575
38	.211	.0000	.0000	.0000	.0000	.0000	.0000
39	.217	.1114	.1114	.0948	.7803	1.4382	.4968
40	.222	.1104	.1104	.0407	.4956	1.7244	.3957
41	.228	.0000	.0000	.0000	.0000	.0000	.0000
42	.233	.0000	.0000	.0000	.0000	.0000	.0000
43	.239	.0614	.0614	.0112	.2777	1.5118	.1768
44	.244	.0000	.0000	.0000	.0000	.0000	.0000
45	.250	.0522	.0516	.0000	.0000	.0000	.0000
46	.254	.0513	.0497	.0000	.0000	.0000	.0000
47	.261	.0442	.0438	.0000	.0000	.0000	.0000
48	.267	.0354	.0348	.0000	.0000	.0000	.0000
49	.272	.0321	.0316	.0000	.0000	.0000	.0000
50	.278	.0500	.0477	.0000	.0000	.0000	.0000
51	.283	.0570	.0520	.0000	.0000	.0000	.0000
52	.289	.0432	.0405	.0000	.0000	.0000	.0000
53	.294	.0428	.0428	.0000	.0000	.0000	.0000
54	.300	.0520	.0488	.0000	.0000	.0000	.0000
55	.304	.0484	.0481	.0000	.0000	.0000	.0000
56	.311	.0571	.0560	.0000	.0000	.0000	.0000
57	.317	.0445	.0418	.0001	.0001	.0167	.0050
58	.322	.0673	.0630	.0108	.0108	.0199	.0094
59	.328	.0532	.0500	.0035	.0035	.0000	.0000
60	.333	.0513	.0522	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3
 AVERAGE = 1.0000
 0.7200-07 1.1700-00 3.1000-00 6.0000-00 8.0000-00 1.0000-01 1.2000-01 1.3000-01 1.4000-01 1.5000-01 1.6000-01 1.7000-01 1.8000-01 1.9000-01 2.0000-01 2.1000-01 2.2000-01 2.3000-01 2.4000-01 2.5000-01 2.6000-01 2.7000-01 2.8000-01 2.9000-01 3.0000-01 3.1000-01 3.2000-01 3.3000-01 3.4000-01 3.5000-01 3.6000-01 3.7000-01 3.8000-01 3.9000-01 4.0000-01 4.1000-01 4.2000-01 4.3000-01 4.4000-01 4.5000-01 4.6000-01 4.7000-01 4.8000-01 4.9000-01 5.0000-01 5.1000-01 5.2000-01 5.3000-01 5.4000-01 5.5000-01 5.6000-01 5.7000-01 5.8000-01 5.9000-01 6.0000-01 6.1000-01 6.2000-01 6.3000-01 6.4000-01 6.5000-01 6.6000-01 6.7000-01 6.8000-01 6.9000-01 7.0000-01 7.1000-01 7.2000-01 7.3000-01 7.4000-01 7.5000-01 7.6000-01 7.7000-01 7.8000-01 7.9000-01 8.0000-01 8.1000-01 8.2000-01 8.3000-01 8.4000-01 8.5000-01 8.6000-01 8.7000-01 8.8000-01 8.9000-01 9.0000-01 9.1000-01 9.2000-01 9.3000-01 9.4000-01 9.5000-01 9.6000-01 9.7000-01 9.8000-01 9.9000-01 10.0000-01

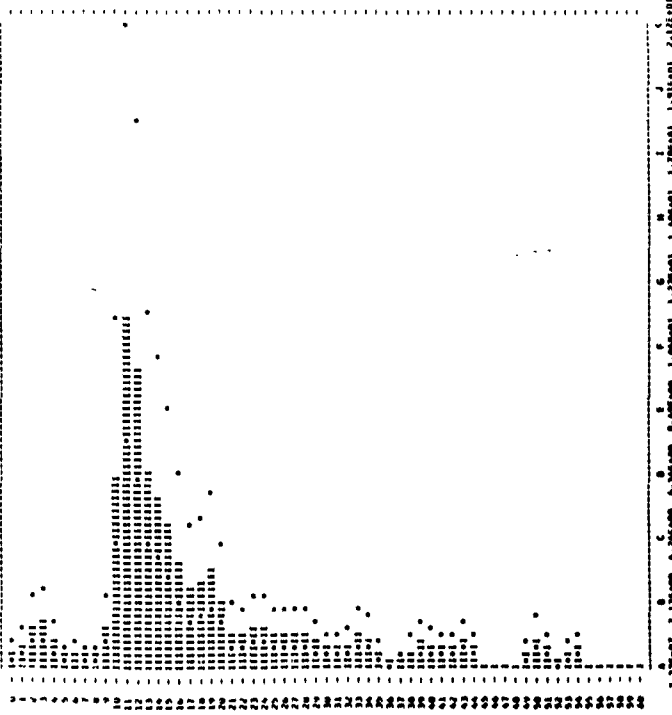


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/4/55 AV. T = 0.4 RECORD = JMC042
 HOUR = 3 SIG.MGT. = 37.4 UPPER MGT. = 40.7
 CORR. VAR. = 01.2 LOWER MGT. = 34.3
 NOISE LEVEL = .0000 WIND SPEED = 40

N	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.4749	.4749	.4348	.4348	.3050	.2781
1	.006	.7105	.7105	.6725	.6725	.5294	.4821
2	.011	1.3374	1.3374	1.2994	1.2994	2.3949	.8273
3	.017	1.4627	1.4627	1.4247	1.4247	2.6258	.9071
4	.022	.7899	.7899	.7519	.7519	1.3268	.7477
5	.028	.3645	.3645	.3265	.3265	.6054	.2091
6	.033	.3492	.3492	.3112	.3112	.5204	.2021
7	.039	.2099	.2099	.2119	.2119	.3104	.1928
8	.044	.1099	.1099	.1119	.1119	.3305	.2159
9	.050	1.1461	1.1461	1.1081	1.1081	2.3909	.8287
10	.056	5.3123	5.3123	4.7653	4.2401	11.5013	3.7373
11	.061	16.1328	16.1328	10.1946	11.5107	21.2199	7.3293
12	.067	6.4473	6.4473	6.4093	7.7455	17.4992	6.2181
13	.072	5.5467	5.5467	5.4087	6.3408	11.7042	.9082
14	.078	3.4872	3.4872	3.4492	5.5109	10.1719	3.5130
15	.083	3.7820	3.7820	3.7140	4.5496	8.4725	2.9007
16	.089	2.7316	2.7316	2.6836	3.4596	6.2766	2.0229
17	.094	1.8950	1.8950	1.8470	2.4941	4.5970	1.5081
18	.100	1.9033	1.9033	1.8653	2.6430	4.9003	1.6937
19	.106	2.0980	2.0980	2.0600	2.1809	5.7707	1.9056
20	.111	1.3057	1.3057	1.3477	1.1887	4.0341	1.3926
21	.117	.6928	.6928	.6948	1.1422	2.1052	.7273
22	.122	.9020	.9020	.8940	1.0420	1.1224	.6641
23	.128	.8707	.8707	.8327	1.2710	2.3803	.8224
24	.133	.6170	.6170	.5790	1.2878	2.3735	.8200
25	.139	.4841	.4841	.4461	1.0861	2.0019	.6914
26	.144	.6164	.6164	.5784	1.0073	1.8566	.6414
27	.150	.3000	.3000	.3420	1.0093	1.8407	.6428
28	.154	.3468	.3468	.3088	1.0104	1.8623	.6434
29	.161	.2995	.2995	.2615	.8094	1.4463	.5135
30	.167	.1738	.1738	.1358	.5527	1.0107	.3919
31	.172	.1398	.1398	.1178	.5374	.9009	.3423
32	.178	.1018	.1018	.1138	.7392	1.3624	.4706
33	.183	.2170	.2170	.1790	1.0440	1.9279	.6640
34	.189	.1819	.1819	.1439	.9714	1.7533	.6036
35	.194	.0904	.0904	.0924	.4240	.7350	.2703
36	.200	.0504	.0504	.0124	.1004	.1978	.0690
37	.206	.0577	.0577	.0197	.1044	.1974	.0686
38	.211	.0199	.0199	.0199	.4240	.6673	.3342
39	.217	.0970	.0970	.0590	.7929	1.4614	.5048
40	.222	.0000	.0000	.0000	.0000	.0000	.0000
41	.228	.0000	.0000	.0000	.0000	.0000	.0000
42	.233	.0626	.0627	.0247	.6259	1.1337	.3965
43	.239	.0819	.0715	.0336	.8303	1.5451	.5238
44	.244	.0408	.0408	.0028	.4312	.9821	.3193
45	.250	.0213	.0200	.0000	.0000	.0000	.0000
46	.254	.0167	.0202	.0000	.0000	.0000	.0000
47	.261	.0261	.0261	.0000	.0000	.0000	.0000
48	.267	.0394	.0393	.0000	.0000	.0000	.0000
49	.272	.0453	.0467	.0000	.1470	.8806	.3042
50	.278	.0424	.0424	.0000	.4115	1.7401	.6011
51	.283	.0439	.0439	.0000	.6206	1.1439	.3619
52	.289	.0347	.0389	.0000	.1174	.2072	.0716
53	.294	.0404	.0404	.0000	.4115	1.7401	.6011
54	.300	.0437	.0410	.0000	.4000	.0000	.0000
55	.304	.0342	.0390	.0000	.5000	.0000	.0000
56	.311	.0404	.0404	.0000	.0000	.0000	.0000
57	.317	.0327	.0327	.0000	.4000	.0000	.0000
58	.322	.0382	.0377	.0000	.0000	.0300	.0000
59	.328	.0401	.0401	.0000	.0318	.0032	.0011
60	.333	.0404	.0404	.0000	.0024	.0044	.0015

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3
 AVERAGE = 1.0000
 0.7200-07 1.1700-00 3.1000-00 6.0000-00 8.0000-00 1.0000-01 1.2000-01 1.3000-01 1.4000-01 1.5000-01 1.6000-01 1.7000-01 1.8000-01 1.9000-01 2.0000-01 2.1000-01 2.2000-01 2.3000-01 2.4000-01 2.5000-01 2.6000-01 2.7000-01 2.8000-01 2.9000-01 3.0000-01 3.1000-01 3.2000-01 3.3000-01 3.4000-01 3.5000-01 3.6000-01 3.7000-01 3.8000-01 3.9000-01 4.0000-01 4.1000-01 4.2000-01 4.3000-01 4.4000-01 4.5000-01 4.6000-01 4.7000-01 4.8000-01 4.9000-01 5.0000-01 5.1000-01 5.2000-01 5.3000-01 5.4000-01 5.5000-01 5.6000-01 5.7000-01 5.8000-01 5.9000-01 6.0000-01 6.1000-01 6.2000-01 6.3000-01 6.4000-01 6.5000-01 6.6000-01 6.7000-01 6.8000-01 6.9000-01 7.0000-01 7.1000-01 7.2000-01 7.3000-01 7.4000-01 7.5000-01 7.6000-01 7.7000-01 7.8000-01 7.9000-01 8.0000-01 8.1000-01 8.2000-01 8.3000-01 8.4000-01 8.5000-01 8.6000-01 8.7000-01 8.8000-01 8.9000-01 9.0000-01 9.1000-01 9.2000-01 9.3000-01 9.4000-01 9.5000-01 9.6000-01 9.7000-01 9.8000-01 9.9000-01 10.0000-01

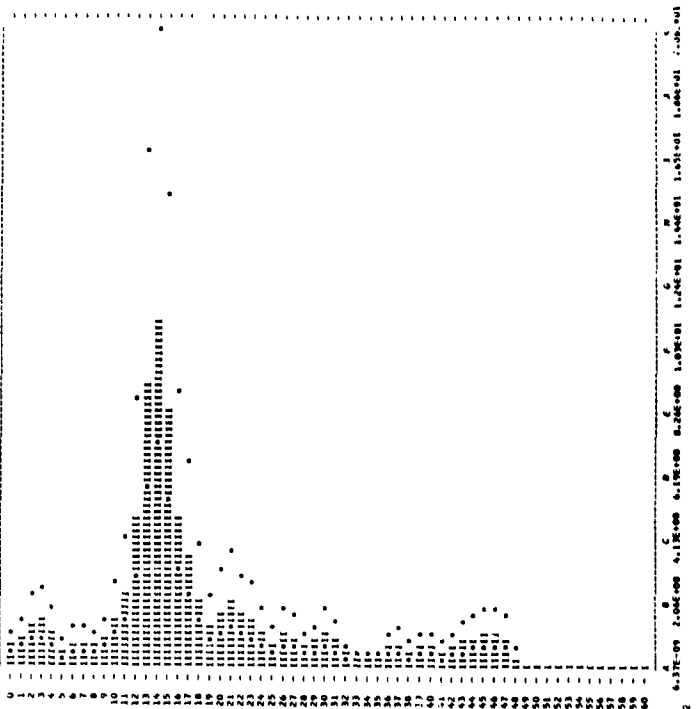


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/4/55 AV. T = 8.6 RECORD = JMC043
 HOUR = 9 SIG.HGT. = 35.8 UPPER HGT. = 39.1
 TOTAL OF = 160 CORR. VAR. = 80.2 LOWER HGT. = 32.8
 NOISE LEVEL = .0199 WIND SPEED = 60

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.8297	.8297	-.6098	-.6098	1.1240	-.3883
1	.006	.8399	.8399	-.8200	-.8200	1.5115	-.8222
2	.011	1.2090	1.2090	1.1801	1.1801	2.1918	-.7572
3	.017	1.3886	1.3886	1.3687	1.3687	2.5220	-.8715
4	.022	1.0391	1.0391	1.0192	1.0192	1.8786	-.6490
5	.028	.9037	.9037	-.8838	-.8838	1.8918	-.3081
6	.033	.8212	.8212	-.8013	-.8013	1.1032	-.4139
7	.039	.9384	.9384	-.9185	-.9185	1.3132	-.6537
8	.046	.9082	.9082	-.8883	-.8883	1.1208	-.3872
9	.050	.7354	.7354	-.7155	-.7155	1.0600	-.3829
10	.056	1.3281	1.3281	1.3082	1.3082	2.7486	-.9695
11	.061	1.9854	1.9854	1.9655	1.9655	4.0065	1.4131
12	.067	4.1587	4.1587	4.1388	4.1388	8.8648	2.9876
13	.072	7.8243	7.8243	7.8044	7.8044	16.8229	5.8117
14	.078	9.1548	9.1548	9.1349	9.1349	20.6419	7.1210
15	.083	6.7597	6.7597	6.7398	6.7398	15.1847	5.2803
16	.089	3.7644	3.7644	3.7445	3.7445	8.8853	3.0626
17	.094	2.8700	2.8700	2.8501	2.8501	6.5962	2.2787
18	.100	1.5163	1.5163	1.4964	1.4964	3.7872	1.3604
19	.106	.7976	.7976	.7777	.7777	1.8116	2.1779
20	.111	1.0669	1.0669	1.0470	1.0470	3.1371	1.0824
21	.117	1.1498	1.1498	1.1299	1.1299	3.0330	1.2591
22	.122	.8798	.8798	-.8599	-.8599	1.6191	2.9842
23	.128	.7170	.7170	-.6971	-.6971	1.2821	-.7052
24	.133	.8821	.8821	-.8622	-.8622	1.8951	-.8867
25	.139	.3103	.3103	-.2904	-.2904	.7072	1.3038
26	.144	.4089	.4089	-.3890	-.3890	1.0413	1.9182
27	.150	.3340	.3340	-.3141	-.3141	.9274	1.7094
28	.156	.1832	.1832	-.1633	-.1633	.5345	1.9832
29	.161	.2186	.2186	-.1987	-.1987	.7273	1.3446
30	.167	.2642	.2642	-.2443	-.2443	1.0050	1.8486
31	.172	.1896	.1896	-.1697	-.1697	.7867	1.3967
32	.178	.0809	.0809	-.0610	-.0610	.3122	1.5735
33	.183	.0594	.0594	-.0395	-.0395	.2301	1.4241
34	.189	.0339	.0339	-.0140	-.0140	.2281	1.1850
35	.194	.0487	.0487	-.0288	-.0288	.2280	1.1446
36	.200	.0900	.0900	-.0701	-.0701	.8058	1.1162
37	.206	.0914	.0914	-.0715	-.0715	.7095	1.3077
38	.211	.0549	.0549	-.0350	-.0350	.4260	1.7815
39	.217	.0608	.0608	-.0409	-.0409	.3433	1.0013
40	.222	.0591	.0591	-.0392	-.0392	.3405	1.3442
41	.228	.0404	.0404	-.0205	-.0205	.2661	1.2982
42	.233	.0435	.0435	-.0234	-.0234	.3371	1.8899
43	.239	.0336	.0336	-.0137	-.0137	.7617	1.4038
44	.244	.0514	.0514	-.0315	-.0315	.9135	1.9182
45	.250	.0492	.0492	-.0293	-.0293	1.0005	1.8440
46	.256	.0466	.0466	-.0267	-.0267	1.0411	1.9189
47	.261	.0310	.0310	-.0111	-.0111	.8415	1.5632
48	.267	.0243	.0243	-.0042	-.0042	.3087	1.5690
49	.272	.0131	.0131	-.0000	-.0000	.0000	1.0000
50	.278	.0186	.0186	-.0000	-.0000	.0000	1.0000
51	.283	.0263	.0263	-.0049	-.0049	.0049	1.0091
52	.289	.0248	.0248	-.0040	-.0040	.0166	1.0057
53	.294	.0196	.0196	-.0019	-.0019	.0413	1.0082
54	.300	.0310	.0310	-.0098	-.0098	.0181	1.0043
55	.306	.0171	.0171	-.0005	-.0005	.0010	1.0003
56	.311	.0144	.0144	-.0000	-.0000	.0000	1.0000
57	.317	.0134	.0134	-.0000	-.0000	1.0000	1.0000
58	.322	.0108	.0108	-.0000	-.0000	1.0000	1.0000
59	.328	.0076	.0076	-.0000	-.0000	1.0000	1.0000
60	.333	.0112	.0112	-.0000	-.0000	1.0000	1.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9
 AVERAGE = .00000000
 8.37E-09 2.08E+00 4.13E+00 6.18E+00 8.23E+00 1.028E+01 1.232E+01 1.436E+01 1.640E+01 1.844E+01 2.048E+01

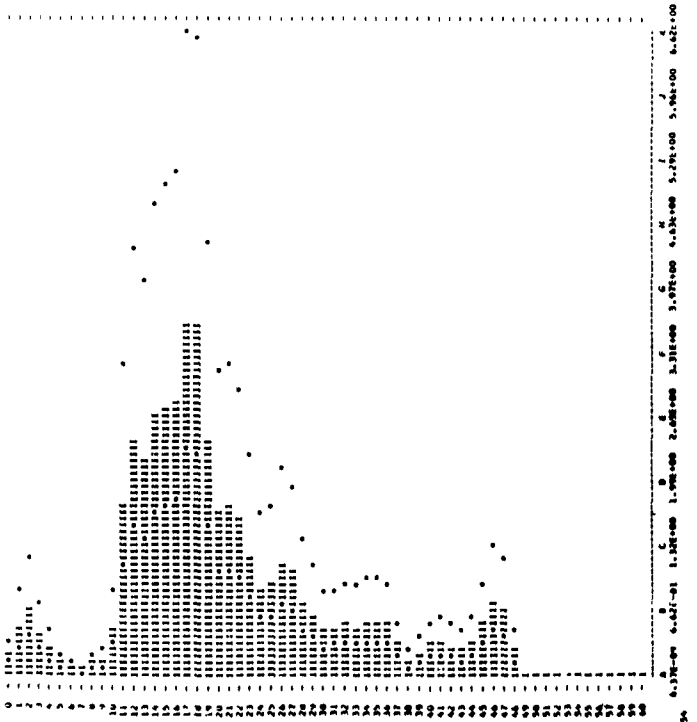


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/4/55 AV. T = 7.8 RECORD = JMC044
 HOUR = 9 SIG.HGT. = 27.2 UPPER HGT. = 29.2
 TOTAL OF = 246 CORR. VAR. = 46.1 LOWER HGT. = 25.2
 NOISE LEVEL = .0161 WIND SPEED = 25

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1833	.1833	-.1672	-.1672	-.3081	1.085
1	.006	.4733	.4733	-.4572	-.4572	-.8427	2.911
2	.011	.8716	.8716	-.8555	-.8555	1.1713	4.046
3	.017	.4173	.4173	-.4012	-.4012	-.7394	2.955
4	.022	.2543	.2543	-.2382	-.2382	-.4390	1.517
5	.028	.1384	.1384	-.1223	-.1223	-.2217	0.746
6	.033	.0546	.0546	-.0405	-.0405	-.1206	0.417
7	.039	.0479	.0479	-.0318	-.0318	-.0437	-.0805
8	.044	.0962	.0962	-.0801	-.0801	-.0997	1.838
9	.050	.1341	.1341	-.1180	-.1180	-.1395	2.544
10	.056	.4390	.4390	-.4229	-.4229	-.8320	2.885
11	.061	1.3409	1.3409	1.3248	1.3248	1.7216	3.1732
12	.067	2.0994	2.0994	2.0833	2.0833	4.3559	1.5048
13	.072	1.9013	1.9013	1.8852	1.8852	2.1784	4.0122
14	.078	2.2196	2.2196	2.2035	2.2035	2.6155	4.8208
15	.083	2.2471	2.2471	2.2310	2.2310	2.7450	5.0594
16	.089	2.1986	2.1986	2.1825	2.1825	2.3814	5.1871
17	.094	2.6745	2.6745	2.6584	2.6584	3.5884	6.0147
18	.100	2.5148	2.5148	2.5007	2.5007	3.9702	6.5805
19	.106	1.5919	1.5919	1.5758	1.5758	2.3841	4.4127
20	.111	1.0520	1.0520	1.0359	1.0359	1.8824	3.1009
21	.117	.9939	.9939	-.9778	-.9778	1.7056	3.1438
22	.122	.8409	.8409	-.8248	-.8248	1.5908	2.9316
23	.128	.8111	.8111	-.7950	-.7950	1.2167	2.2388
24	.133	.4147	.4147	-.4006	-.4006	-.8910	1.4423
25	.139	.3952	.3952	-.3791	-.3791	-.8230	1.7013
26	.144	.4435	.4435	-.4274	-.4274	1.1439	2.1084
27	.150	.3734	.3734	-.3573	-.3573	1.0548	1.9442
28	.156	.2461	.2461	-.2300	-.2300	-.7828	1.2872
29	.161	.1790	.1790	-.1629	-.1629	-.4613	1.032
30	.167	.1273	.1273	-.1112	-.1112	-.6527	1.834
31	.172	.1199	.1199	-.1038	-.1038	-.6738	1.733
32	.178	.1146	.1146	-.0985	-.0985	-.6071	1.947
33	.183	.1011	.1011	-.0830	-.0830	-.6945	1.915
34	.189	.0975	.0975	-.0814	-.0814	-.5182	1.921
35	.194	.0853	.0853	-.0692	-.0692	-.3215	1.613
36	.200	.0736	.0736	-.0575	-.0575	-.6963	1.9148
37	.206	.0646	.0646	-.0303	-.0303	1.003	1.934
38	.211	.0278	.0278	-.0119	-.0119	1.3116	1.823
39	.217	.0319	.0319	-.0158	-.0158	2.095	3.861
40	.222	.0377	.0377	-.0197	-.0197	3.032	3.888
41	.228	.0348	.0348	-.0184	-.0184	1.3116	1.811
42	.233	.0288	.0288	-.0137	-.0137	2.883	3.313
43	.239	.0257	.0257	-.0103	-.0103	2.968	4.497
44	.244	.0253	.0253	-.0104	-.0104	3.078	3.872
45	.250	.0301	.0301	-.0144	-.0144	3.025	3.761
46	.256	.0367	.0367	-.0173	-.0173	7.185	1.3493
47	.261	.0303	.0303	-.0130	-.0130	4.421	1.323
48	.267	.0190	.0190	-.0040	-.0040	2.399	4.422
49	.272	.0123	.0123	-.0000	-.0000	1.0000	1.0000
50	.278	.0122	.0122	-.0000	-.0000	1.0000	1.0000
51	.283	.0194	.0194	-.0000	-.0000	1.0000	1.0000
52	.289	.0177	.0177	-.0003	-.0003	1.0013	1.0004
53	.294	.0186	.0186	-.0003	-.0003	1.0013	1.0004
54	.300	.0188	.0188	-.0002	-.0002	1.0024	1.0019
55	.306	.0199	.0199	-.0001	-.0001	1.0031	1.0020
56	.311	.0197	.0197	-.0001	-.0001	1.0018	1.0018
57	.317	.0195	.0195	-.0000	-.0000	1.0000	1.0000
58	.322	.0144	.0144	-.0000	-.0000	1.0000	1.0000
59	.328	.0123	.0123	-.0000	-.0000	1.0000	1.0000
60	.333	.0107	.0107	-.0000	-.0000	1.0000	1.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9
 AVERAGE = .00000000
 8.37E-09 2.08E+00 4.13E+00 6.18E+00 8.23E+00 1.028E+01 1.232E+01 1.436E+01 1.640E+01 1.844E+01 2.048E+01

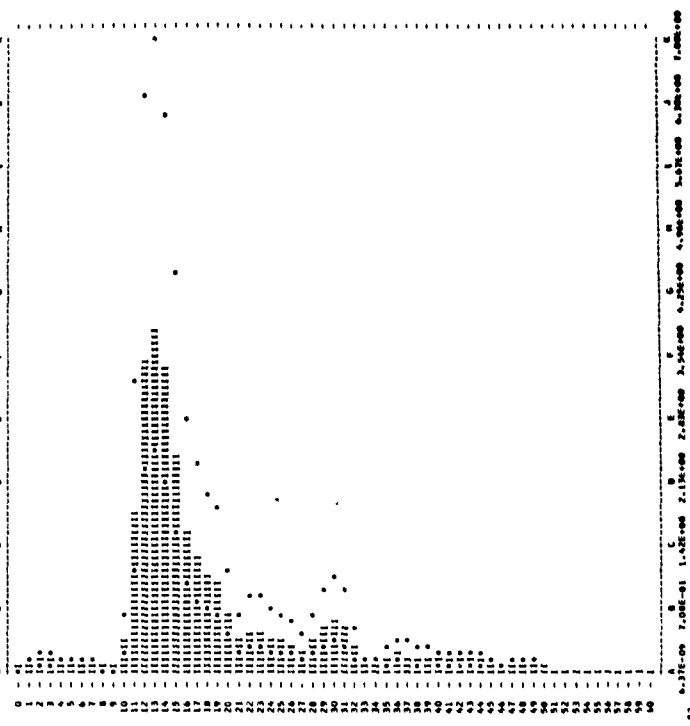


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T = 8.1 RECORD = JMC045
 HOUR = 19 SIG.MGT. = 21.2 UPPER MGT. = 23.4
 TOTAL DP = 140 CORR. VAR. = 20.1 LOWER MGT. = 19.9
 NOISE LEVEL = 0.005 WIND SPEED = 20

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0001	.0001	.0001	.0000	-1023	.0353
1	.000	.0784	.0784	.0784	.0000	-1120	.0404
2	.011	.1385	.1385	.1385	.1007	-1003	.0462
3	.017	.1307	.1307	.1311	.1211	-2235	.0771
4	.022	.1036	.1036	.1036	.0941	-1721	.0565
5	.028	.0831	.0831	.0831	.0738	-1354	.0460
6	.033	.0667	.0667	.0671	.0622	-1700	.0507
7	.039	.0536	.0536	.0536	.0540	-0604	.1114
8	.046	.0407	.0407	.0403	.0307	.0494	.0911
9	.050	.0476	.0476	.0480	.0446	.0822	.0394
10	.056	.0360	.0360	.0364	.0300	.0600	.2100
11	.061	1.8000	1.8000	1.8784	1.7700	3.2000	1.1333
12	.067	3.1000	3.1000	3.0913	3.0604	6.6020	2.2327
13	.072	3.3300	3.3300	3.3284	3.3033	7.0937	2.4478
14	.076	2.0517	2.0517	2.4421	3.3735	6.2100	2.1481
15	.083	1.9760	1.9760	1.9050	2.6177	4.0362	1.9300
16	.089	1.2018	1.2018	1.1220	1.9311	2.9200	.9740
17	.096	.9414	.9414	.9318	1.2903	2.3102	.8012
18	.100	.7700	.7700	.7604	1.0056	2.0000	.6912
19	.104	.6172	.6172	.6076	.6030	1.0104	.6200
20	.111	.5071	.5071	.5075	.6131	1.1300	.5904
21	.117	.4118	.4118	.4022	.5277	.6500	.5244
22	.122	.3300	.3300	.3212	.4241	.6170	.4891
23	.128	.2711	.2711	.2715	.4440	.6103	.4827
24	.133	.1796	.1796	.1700	.3781	.6900	.4207
25	.139	.1450	.1450	.1454	.3843	.6400	.4163
26	.146	.1233	.1233	.1137	.3043	.5400	.4037
27	.150	.0902	.0902	.0806	.2370	.6300	.4519
28	.156	.1000	.1000	.1000	.3270	.6000	.4200
29	.161	.1453	.1453	.1357	.4941	.9100	.3140
30	.167	.1404	.1404	.1308	.5050	1.0416	.3900
31	.172	.1172	.1172	.1176	.4111	.8700	.3412
32	.178	.0907	.0907	.0901	.2579	.4753	.4842
33	.183	.0710	.0710	.0714	.0662	.1221	.0422
34	.189	.0404	.0404	.0408	.0581	.0770	.0300
35	.194	.0275	.0275	.0279	.1348	.2404	.0850
36	.200	.0227	.0227	.0231	.1493	.3673	.1200
37	.206	.0276	.0276	.0280	.1774	.3213	.1110
38	.211	.0240	.0240	.0244	.1644	.3034	.1040
39	.217	.0224	.0224	.0228	.1696	.3126	.1080
40	.222	.0149	.0149	.0153	.1200	.2178	.0822
41	.228	.0157	.0157	.0161	.1149	.2118	.0732
42	.233	.0157	.0157	.0161	.1231	.2268	.0784
43	.239	.0147	.0147	.0151	.1362	.2474	.0852
44	.244	.0150	.0150	.0154	.1234	.2313	.0800
45	.250	.0109	.0109	.0113	.0663	.1322	.0422
46	.256	.0093	.0093	.0097	.0241	.0481	.0160
47	.261	.0115	.0115	.0119	.0634	.1109	.0404
48	.267	.0113	.0113	.0117	.0939	.1731	.0596
49	.272	.0108	.0108	.0112	.0824	.1523	.0540
50	.278	.0104	.0104	.0108	.0567	.1045	.0361
51	.283	.0096	.0096	.0100	.0000	.0000	.0000
52	.289	.0082	.0082	.0086	.0000	.0000	.0000
53	.294	.0083	.0083	.0087	.0000	.0000	.0000
54	.300	.0127	.0110	.0020	.0020	.0036	.0012
55	.306	.0110	.0110	.0022	.0022	.0036	.0012
56	.311	.0092	.0101	.0005	.0005	.0008	.0003
57	.317	.0093	.0094	.0005	.0000	.0000	.0000
58	.322	.0096	.0096	.0000	.0000	.0000	.0000
59	.328	.0086	.0086	.0000	.0000	.0000	.0000
60	.333	.0082	.0084	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 RECORD = JMC045
 DATE = 9/ 4/55
 HOUR = 19
 TOTAL DP = 140
 SIG.MGT. = 21.2
 CORR. VAR. = 20.1
 NOISE LEVEL = 0.005
 UPPER MGT. = 23.4
 LOWER MGT. = 19.9
 WIND SPEED = 20

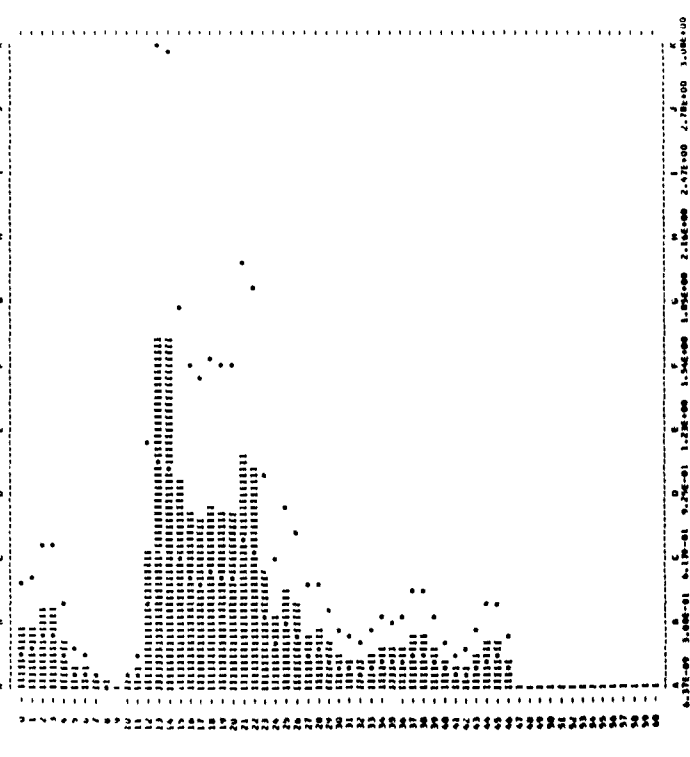


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 4/55 AV. T = 8.1 RECORD = JMC046
 HOUR = 21 SIG.MGT. = 17.2 UPPER MGT. = 18.5
 TOTAL DP = 230 CORR. VAR. = 18.4 LOWER MGT. = 15.9
 NOISE LEVEL = 0.005 WIND SPEED = 20

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2701	.2701	.2636	.2636	.4858	.1678
1	.004	.2804	.2804	.2739	.2739	.4771	.1602
2	.011	.3737	.3737	.3672	.3672	.4768	.2330
3	.017	.3756	.3756	.3691	.3691	.4803	.2350
4	.022	.2700	.2700	.2635	.2635	.4130	.1628
5	.028	.1111	.1111	.1046	.1046	.1927	.0666
6	.033	.0563	.0563	.0498	.0498	.1402	.0512
7	.039	.0258	.0258	.0193	.0193	.0491	.0170
8	.046	.0200	.0200	.0135	.0135	.0309	.0107
9	.050	.0109	.0109	.0044	.0051	.0095	.0033
10	.056	.0294	.0294	.0229	.0236	.0408	.0160
11	.061	.0827	.0827	.0762	.0762	.0880	.1593
12	.067	.5734	.5734	.5671	.5632	1.1856	.6096
13	.072	1.4359	1.4359	1.4294	1.4276	3.0067	1.6056
14	.078	1.6030	1.6030	1.5965	1.6076	3.0952	1.6559
15	.083	.8038	.8038	.7973	.7910	1.8081	.8646
16	.089	.6378	.6378	.6313	.6250	1.5019	.7327
17	.096	.5954	.5954	.5889	.5826	1.4662	.7065
18	.100	.6016	.6016	.5951	.5886	1.5059	.7410
19	.104	.5977	.5977	.5912	.5847	1.5047	.6900
20	.111	.6226	.6226	.6161	.6096	1.5468	.7337
21	.117	.6433	.6433	.6368	.6303	1.1108	.6073
22	.122	.5954	.5954	.5889	.5824	1.0047	.6500
23	.128	.2734	.2734	.2669	.2604	.4002	.3469
24	.133	.1937	.1937	.1872	.1807	.6034	.2004
25	.139	.1900	.1900	.1835	.1770	.4662	.2969
26	.146	.1947	.1947	.1882	.1817	.3310	.2925
27	.150	.0947	.0947	.0882	.0817	.4798	.1058
28	.156	.0809	.0809	.0744	.0679	.4909	.1716
29	.161	.0618	.0618	.0553	.0488	.3710	.1282
30	.167	.0428	.0428	.0363	.0298	.4477	.0940
31	.172	.0350	.0350	.0285	.0220	.2396	.0878
32	.178	.0296	.0296	.0231	.0166	.1900	.0757
33	.183	.0310	.0310	.0245	.0180	.2689	.0920
34	.189	.0336	.0336	.0271	.0206	.1777	.1132
35	.194	.0263	.0263	.0198	.0133	.1164	.1093
36	.200	.0284	.0284	.0219	.0154	.3471	.1703
37	.206	.0318	.0318	.0253	.0188	.4820	.1596
38	.211	.0288	.0288	.0223	.0158	.3040	.1623
39	.217	.0200	.0200	.0135	.0070	.3296	.1136
40	.222	.0138	.0138	.0073	.0008	.2310	.0798
41	.228	.0110	.0110	.0045	.0000	.1851	.0693
42	.233	.0107	.0114	.0049	.0000	.1897	.0655
43	.239	.0132	.0128	.0063	.0000	.2407	.1004
44	.244	.0114	.0119	.0057	.0000	.2168	.0900
45	.250	.0136	.0128	.0063	.0000	.4050	.1407
46	.256	.0090	.0094	.0031	.0000	.2730	.0805
47	.261	.0081	.0080	.0000	.0000	.0000	.0000
48	.267	.0049	.0051	.0000	.0000	.0000	.0000
49	.272	.0054	.0049	.0000	.0000	.0000	.0000
50	.278	.0050	.0049	.0000	.0000	.0000	.0000
51	.283	.0045	.0055	.0000	.0000	.0000	.0000
52	.289	.0044	.0087	.0022	.0022	.0040	.0216
53	.294	.0114	.0110	.0035	.0035	.0035	.0022
54	.300	.0038	.0079	.0016	.0016	.0284	.0004
55	.306	.0044	.0034	.0000	.0000	.0000	.0000
56	.311	.0045	.0044	.0000	.0000	.0000	.0000
57	.317	.0040	.0040	.0000	.0000	.0000	.0000
58	.322	.0042	.0040	.0000	.0000	.0000	.0000
59	.328	.0055	.0054	.0000	.0000	.0000	.0000
60	.333	.0054	.0054	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 RECORD = JMC046
 DATE = 9/ 4/55
 HOUR = 21
 TOTAL DP = 230
 SIG.MGT. = 17.2
 CORR. VAR. = 18.4
 NOISE LEVEL = 0.005
 UPPER MGT. = 18.5
 LOWER MGT. = 15.9
 WIND SPEED = 20

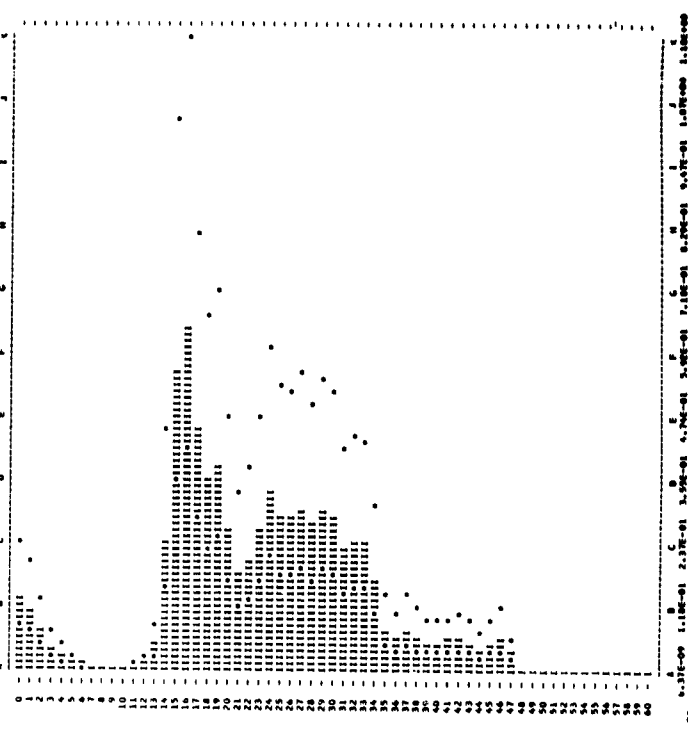


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 3/58 AV. T = 7.3 RECORD = JMC47
 HOUR = 3 SIG.MGT. = 11.0 UPPER MGT. = 11.0
 TOTAL OF 240 CORR. VAR. = 7.6 LOWER MGT. = 10.3
 NOISE LEVEL = .0037 WIND SPEED = 20

N	FRE.	UNIT+PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1332	.1332	.1294	.1295	.2366	.0026
1	.006	.1150	.1150	.1120	.1120	.2065	.0713
2	.011	.0716	.0716	.0678	.0678	.1751	.0633
3	.017	.0429	.0429	.0411	.0411	.1521	.0722
4	.022	.0309	.0309	.0267	.0267	.1472	.0170
5	.028	.0199	.0199	.0121	.0121	.0824	.0077
6	.033	.0092	.0092	.0054	.0054	.0608	.0162
7	.039	.0044	.0044	.0009	.0009	.0016	.0006
8	.044	.0026	.0026	.0000	.0000	.0000	.0000
9	.050	.0018	.0018	.0020	.0020	.0000	.0015
10	.056	.0062	.0062	.0024	.0024	.0051	.0018
11	.061	.0081	.0081	.0043	.0043	.0049	.0031
12	.067	.0132	.0132	.0094	.0107	.0178	.0058
13	.072	.0200	.0200	.0130	.0148	.0289	.0122
14	.078	.0274	.0274	.0236	.0217	.0455	.0193
15	.083	.0369	.0369	.0357	.0406	.10336	.0371
16	.089	.0430	.0430	.0400	.0423	.11839	.0490
17	.094	.0533	.0533	.0505	.0450	.0832	.0274
18	.100	.0550	.0550	.0512	.0587	.0812	.0196
19	.106	.0560	.0560	.0530	.0545	.0786	.0248
20	.111	.0414	.0414	.0376	.0360	.0478	.0130
21	.117	.0270	.0270	.0240	.0215	.0349	.0156
22	.122	.0136	.0136	.0100	.0068	.0312	.0117
23	.128	.0091	.0091	.0068	.0059	.0259	.0123
24	.133	.0118	.0118	.0100	.0093	.0270	.0097
25	.139	.0214	.0214	.0176	.0205	.0280	.0124
26	.144	.0094	.0094	.0068	.0068	.0212	.0101
27	.150	.0087	.0087	.0070	.0070	.0248	.0117
28	.156	.0053	.0053	.0015	.0049	.0199	.0169
29	.161	.0058	.0058	.0045	.0045	.0277	.0097
30	.167	.0025	.0025	.0007	.0029	.0159	.0182
31	.172	.0029	.0029	.0041	.0224	.0136	.0129
32	.178	.0043	.0043	.0045	.0224	.0136	.0129
33	.183	.0037	.0037	.0039	.0225	.0136	.0129
34	.189	.0027	.0027	.0029	.0190	.0091	.0101
35	.194	.0128	.0128	.0100	.0178	.0186	.0082
36	.200	.0106	.0106	.0068	.0091	.0090	.0177
37	.206	.0114	.0114	.0076	.0079	.0198	.0043
38	.211	.0091	.0091	.0059	.0042	.0129	.0043
39	.217	.0076	.0076	.0039	.0011	.0042	.0129
40	.222	.0072	.0072	.0034	.0028	.0074	.0136
41	.228	.0067	.0067	.0048	.0045	.0045	.0045
42	.233	.0065	.0065	.0027	.0059	.0031	.0156
43	.239	.0059	.0059	.0020	.0047	.0016	.0116
44	.244	.0047	.0047	.0011	.0011	.0079	.0123
45	.250	.0053	.0053	.0015	.0022	.0042	.0132
46	.256	.0057	.0057	.0015	.0011	.0127	.0089
47	.261	.0042	.0042	.0006	.0010	.0071	.0082
48	.267	.0034	.0034	.0000	.0000	.0000	.0000
49	.272	.0032	.0032	.0000	.0000	.0000	.0000
50	.278	.0032	.0032	.0000	.0000	.0000	.0000
51	.283	.0035	.0035	.0000	.0000	.0000	.0000
52	.289	.0045	.0045	.0006	.0006	.0011	.0004
53	.294	.0048	.0048	.0007	.0009	.0013	.0004
54	.300	.0046	.0046	.0007	.0007	.0013	.0004
55	.306	.0038	.0038	.0001	.0001	.0001	.0000
56	.311	.0035	.0035	.0000	.0000	.0000	.0000
57	.317	.0040	.0040	.0001	.0001	.0001	.0000
58	.322	.0041	.0041	.0000	.0000	.0000	.0000
59	.328	.0028	.0028	.0000	.0000	.0000	.0000
60	.333	.0023	.0023	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3 AVERAGE 3.15E-01 3.15E-01 4.74E-01 5.47E-01 6.27E-01 7.10E-01 8.00E-01 9.01E-01 1.00E-00
 JMC47 9 3 58

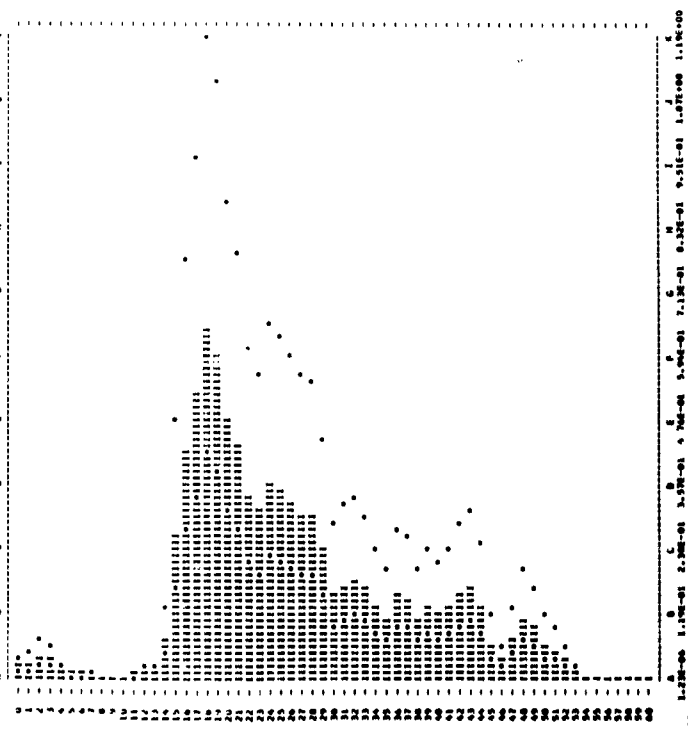


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 9/ 3/58 AV. T = 6.4 RECORD = JMC48
 HOUR = 6 SIG.MGT. = 11.0 UPPER MGT. = 12.7
 TOTAL OF 270 CORR. VAR. = 6.8 LOWER MGT. = 11.0
 NOISE LEVEL = .0031 WIND SPEED = 30

N	FRE.	UNIT+PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0216	.0216	.0185	.0185	.0342	.0118
1	.006	.0294	.0294	.0263	.0263	.0488	.0148
2	.011	.0412	.0412	.0381	.0381	.0703	.0243
3	.017	.0343	.0343	.0312	.0312	.0576	.0199
4	.022	.0186	.0186	.0155	.0155	.0287	.0099
5	.028	.0127	.0127	.0091	.0091	.0149	.0058
6	.033	.0082	.0082	.0051	.0051	.0149	.0053
7	.039	.0055	.0055	.0024	.0024	.0062	.0021
8	.044	.0040	.0040	.0019	.0024	.0045	.0015
9	.050	.0033	.0033	.0002	.0003	.0005	.0002
10	.056	.0040	.0040	.0009	.0011	.0020	.0007
11	.061	.0018	.0018	.0009	.0013	.0020	.0007
12	.067	.0130	.0130	.0099	.0113	.0208	.0072
13	.072	.0140	.0140	.0109	.0126	.0233	.0080
14	.078	.0067	.0067	.0016	.0032	.0149	.0046
15	.083	.0210	.0210	.0159	.0208	.0407	.0160
16	.089	.0305	.0305	.0274	.0266	.0752	.0278
17	.094	.0320	.0320	.0288	.0292	.0681	.0344
18	.100	.0458	.0458	.0431	.0450	.11889	.0407
19	.106	.0364	.0364	.0333	.0307	.11013	.0403
20	.111	.0269	.0269	.0248	.0222	.0706	.0339
21	.117	.0273	.0273	.0242	.0261	.0753	.0713
22	.122	.0170	.0170	.0159	.0151	.0406	.0209
23	.128	.0123	.0123	.0102	.0097	.0616	.0190
24	.133	.0111	.0111	.0080	.0085	.0479	.0238
25	.139	.0130	.0130	.0109	.0108	.0481	.0270
26	.144	.0246	.0246	.0215	.0223	.0496	.0271
27	.150	.0055	.0055	.0024	.0024	.0077	.0140
28	.156	.0049	.0049	.0019	.0020	.0049	.0017
29	.161	.0048	.0048	.0017	.0019	.0043	.0016
30	.167	.0416	.0416	.0383	.0369	.0892	.0099
31	.172	.0406	.0406	.0379	.0374	.0359	.0091
32	.178	.0385	.0385	.0356	.0356	.0386	.0182
33	.183	.0307	.0307	.0276	.0269	.0265	.0124
34	.189	.0224	.0224	.0193	.0179	.0258	.0089
35	.194	.0174	.0174	.0143	.0141	.0193	.0089
36	.200	.0203	.0203	.0172	.0169	.0264	.0098
37	.206	.0173	.0173	.0142	.0143	.0204	.0099
38	.211	.0125	.0125	.0096	.0091	.0193	.0088
39	.217	.0127	.0127	.0096	.0096	.0239	.0085
40	.222	.0102	.0102	.0077	.0077	.0181	.0073
41	.228	.0098	.0098	.0071	.0072	.0303	.0086
42	.233	.0109	.0109	.0075	.0077	.0206	.0104
43	.239	.0105	.0105	.0069	.0069	.0175	.0088
44	.244	.0078	.0078	.0065	.0065	.0137	.0045
45	.250	.0042	.0042	.0018	.0025	.0132	.0038
46	.256	.0032	.0032	.0008	.0030	.0007	.0210
47	.261	.0046	.0046	.0015	.0041	.0045	.0272
48	.267	.0049	.0049	.0019	.0019	.0049	.0708
49	.272	.0041	.0041	.0013	.0009	.0015	.0079
50	.278	.0037	.0037	.0007	.0023	.0043	.0000
51	.283	.0036	.0036	.0005	.0005	.0049	.0031
52	.289	.0033	.0033	.0003	.0046	.0038	.0020
53	.294	.0031	.0031	.0001	.0049	.0025	.0000
54	.300	.0031	.0031	.0000	.0000	.0000	.0000
55	.306	.0027	.0027	.0000	.0000	.0000	.0000
56	.311	.0022	.0022	.0000	.0000	.0000	.0000
57	.317	.0022	.0022	.0000	.0000	.0000	.0000
58	.322	.0033	.0033	.0001	.0001	.0002	.0001
59	.328	.0036	.0036	.0004	.0004	.0007	.0003
60	.333	.0037	.0037	.0005	.0005	.0009	.0003

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE 3.15E-01 3.15E-01 4.74E-01 5.47E-01 6.27E-01 7.10E-01 8.00E-01 9.01E-01 1.00E+00
 JMC48 9 3 58

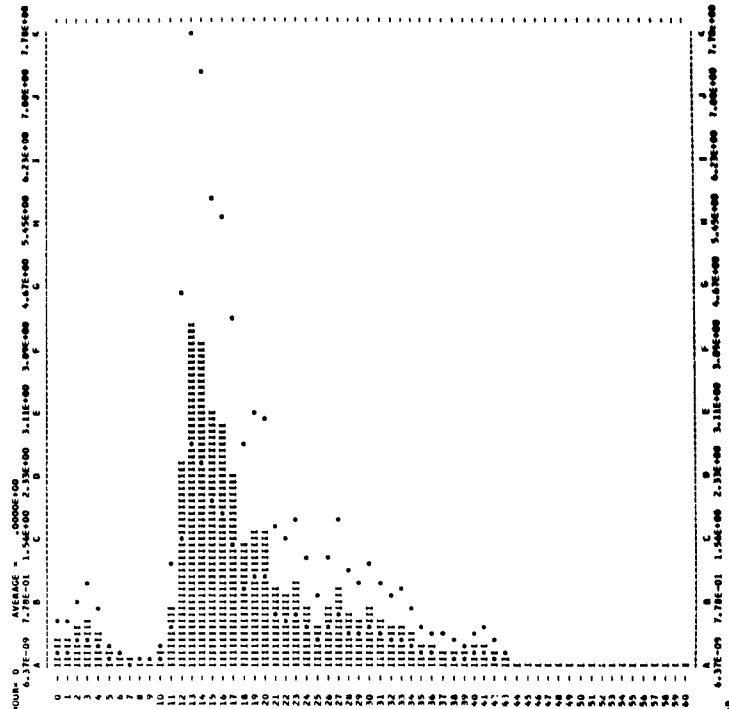


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. I = 9.0 RECORD = JHC051
 HOUR = 0 SIG. HGT. = 24.7 UPPER HGT. = 26.9
 TOTAL DF = 100 CORR. VAR. = 38.0 LOWER HGT. = 22.6
 NOISE LEVEL = .0110 WIND SPEED = 30

H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.2917	.2917	.2907	.2807	.5173	.1787
1	.006	.3067	.3067	.2957	.2957	.5450	.1803
2	.011	.4392	.4392	.4232	.4232	.7832	.2376
3	.017	.5476	.5476	.5344	.5344	.9586	.3415
4	.022	.5716	.5716	.5606	.5606	.9646	.3296
5	.028	.6128	.6128	.6008	.6008	1.0408	.3831
6	.033	.6801	.6801	.6691	.6691	1.1461	.4205
7	.039	.6418	.6418	.6308	.6308	.9423	.4269
8	.044	.6083	.6083	.5973	.5973	.8400	.4161
9	.050	.6374	.6374	.6264	.6264	.8310	.4077
10	.056	.6196	.6196	.6086	.6086	.7255	.4077
11	.061	.6252	.6252	.6142	.6142	.6832	.4416
12	.067	2.2186	2.2186	2.2076	2.2040	4.6193	1.3944
13	.072	3.6673	3.6673	3.6563	3.6519	7.7616	2.4882
14	.078	3.3370	3.3370	3.3260	3.3217	6.2766	2.3136
15	.083	2.5444	2.5444	2.5334	2.5291	5.7681	1.9827
16	.089	2.3362	2.3362	2.3252	2.3209	5.9502	1.9001
17	.094	1.7459	1.7459	1.7349	1.7306	4.3181	1.4917
18	.100	1.0467	1.0467	1.0357	1.0314	2.7253	.9413
19	.106	1.1110	1.1110	1.1000	1.0957	3.0802	1.0461
20	.111	1.0317	1.0317	1.0207	1.0164	2.0953	1.0595
21	.117	.8433	.8433	.8323	.8280	1.7113	.8912
22	.122	.8872	.8872	.8762	.8719	1.5463	.8369
23	.128	.6960	.6960	.6850	.6807	1.1623	.6804
24	.133	.8331	.8331	.8221	.8178	1.3204	.8361
25	.139	.9156	.9156	.9046	.8993	1.2283	.8262
26	.144	.7777	.7777	.7667	.7624	1.3153	.8496
27	.150	.8337	.8337	.8227	.8184	1.7958	.8686
28	.156	.8266	.8266	.8156	.8113	1.1760	.8683
29	.161	1.6252	1.6252	1.6142	1.6099	1.0166	.8512
30	.167	1.8118	1.8118	1.8008	1.7965	1.2813	.8427
31	.172	1.332	1.332	1.322	1.3177	1.0280	.8353
32	.178	1.0346	1.0346	1.0236	1.0193	.8766	.8333
33	.183	.0971	.0971	.0861	.0818	.9231	.8189
34	.189	.0700	.0700	.0590	.0547	.7188	.7463
35	.194	.0419	.0419	.0309	.0266	4.2181	1.482
36	.200	.0347	.0347	.0237	.0194	.3766	1.301
37	.206	.0303	.0303	.0193	.0150	.3958	1.228
38	.211	.0247	.0247	.0137	.0094	.2813	.0996
39	.217	.0219	.0219	.0109	.0066	.2458	.0918
40	.222	.0249	.0249	.0139	.0096	.3407	.1315
41	.228	.0260	.0260	.0150	.0107	.2326	.0881
42	.233	.0189	.0189	.0079	.0036	.1777	.1131
43	.239	.0140	.0140	.0030	.0000	.0830	.1330
44	.244	.0106	.0106	.0000	.0000	.0000	.0000
45	.250	.0096	.0096	.0000	.0000	.0000	.0000
46	.256	.0114	.0114	.0000	.0000	.0000	.0000
47	.261	.0104	.0104	.0000	.0000	.0000	.0000
48	.267	.0102	.0102	.0000	.0000	.0000	.0000
49	.272	.0132	.0132	.0000	.0000	.0036	.0013
50	.278	.0154	.0154	.0033	.0033	.0041	.0021
51	.283	.0134	.0134	.0025	.0025	.0007	.0016
52	.289	.0121	.0121	.0024	.0024	.0005	.0015
53	.294	.0162	.0162	.0017	.0017	.0008	.0023
54	.300	.0143	.0143	.0024	.0024	.0044	.0015
55	.306	.0098	.0098	.0000	.0000	.0000	.0000
56	.311	.0025	.0025	.0000	.0000	.0000	.0000
57	.317	.0104	.0104	.0000	.0000	.0000	.0000
58	.322	.0112	.0112	.0000	.0000	.0000	.0000
59	.328	.0084	.0084	.0000	.0000	.0000	.0000
60	.333	.0059	.0059	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

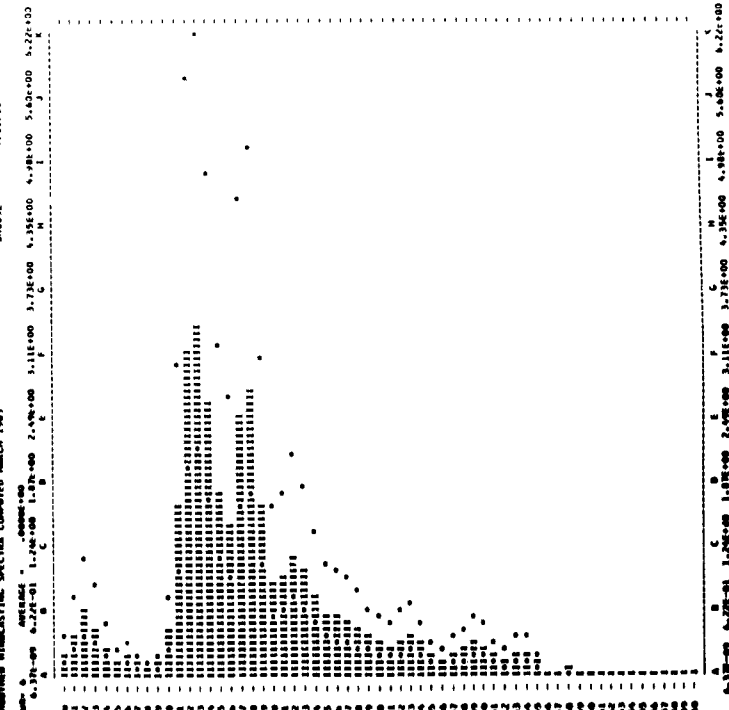


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. I = 9.0 RECORD = JHC052
 HOUR = 6 SIG. HGT. = 23.5 UPPER HGT. = 25.5
 TOTAL DF = 199 CORR. VAR. = 36.4 LOWER HGT. = 21.7
 NOISE LEVEL = .0093 WIND SPEED = 0

H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.2015	.2015	.1922	.1922	.3542	.1224
1	.006	.4135	.4135	.4002	.4002	.7448	.2378
2	.011	.6005	.6005	.5912	.5912	1.0896	.3764
3	.017	.4726	.4726	.4633	.4633	.8939	.247
4	.022	.2680	.2680	.2597	.2597	.5135	.1741
5	.028	1.583	1.583	1.490	1.490	2.746	.9048
6	.033	1.060	1.060	.967	.967	1.562	.6994
7	.039	.0835	.0835	.0745	.0745	1.023	.4864
8	.044	.0864	.0864	.0771	.0771	.9710	.4310
9	.050	1.049	1.049	.956	.956	1.122	.2067
10	.056	1.3762	1.3762	1.283	1.283	1.82	.708
11	.061	1.4327	1.4327	1.339	1.339	1.6071	2.9621
12	.067	2.7759	2.7759	2.682	2.682	5.7840	1.9482
13	.072	2.331	2.331	2.238	2.238	3.741	1.6815
14	.078	2.2361	2.2361	2.143	2.143	2.5408	4.8474
15	.083	1.4033	1.4033	1.310	1.310	1.7151	3.1612
16	.089	1.1407	1.1407	1.114	1.114	1.4532	2.6785
17	.094	1.8638	1.8638	1.835	1.835	2.5043	4.6157
18	.100	1.9455	1.9455	1.917	1.917	2.7463	5.0949
19	.106	1.0908	1.0908	1.063	1.063	1.4428	3.0278
20	.111	.5479	.5479	.5386	.5386	.8747	1.6121
21	.117	.5553	.5553	.5460	.5460	.9526	1.7958
22	.122	.6101	.6101	.6008	.6008	1.1311	2.0848
23	.128	.4884	.4884	.4791	.4791	.9780	1.8024
24	.133	.3477	.3477	.3384	.3384	.7526	1.3822
25	.139	.2498	.2498	.2405	.2405	.5855	1.0741
26	.144	.2074	.2074	.1981	.1981	.5301	.9771
27	.150	.1814	.1814	.1721	.1721	.5094	.8930
28	.156	.1408	.1408	.1315	.1315	.4249	.7817
29	.161	1.063	1.063	.970	.970	.3458	.6373
30	.167	.0824	.0824	.0731	.0731	.2495	.5520
31	.172	.0894	.0894	.0801	.0801	.2742	.5094
32	.178	.0735	.0735	.0642	.0642	.3303	.6089
33	.183	.0751	.0751	.0658	.0658	.3826	.7053
34	.189	.0920	.0920	.0827	.0827	.4821	.8200
35	.194	.0317	.0317	.0224	.0224	.1685	.3104
36	.200	.0264	.0264	.0171	.0171	.1491	.2730
37	.206	.0282	.0282	.0189	.0189	.1870	.3447
38	.211	.0302	.0302	.0209	.0209	.2387	.4400
39	.217	.0311	.0311	.0218	.0218	.2887	.5321
40	.222	.0277	.0277	.0187	.0187	.2577	.4750
41	.228	.0177	.0177	.0084	.0084	.1789	.3147
42	.233	.0140	.0140	.0049	.0049	.1448	.2688
43	.239	.0191	.0191	.0082	.0082	.2032	.3746
44	.244	.0179	.0179	.0071	.0071	.1944	.3199
45	.250	.0110	.0110	.0028	.0028	.0977	.1801
46	.256	.0087	.0087	.0001	.0001	.0024	.0066
47	.261	.0042	.0042	.0000	.0000	.0000	.0000
48	.267	.0049	.0049	.0000	.0000	.0076	.0239
49	.272	.0109	.0109	.0012	.0012	.0012	.0022
50	.278	.0104	.0104	.0008	.0008	.0013	.0018
51	.283	.0088	.0088	.0004	.0004	.0004	.0007
52	.289	.0104	.0104	.0013	.0013	.0013	.0018
53	.294	.0134	.0134	.0018	.0018	.0018	.0024
54	.300	.0119	.0119	.0027	.0027	.0027	.0036
55	.306	.0109	.0109	.0019	.0019	.0019	.0026
56	.311	.0111	.0111	.0018	.0018	.0018	.0024
57	.317	.0080	.0080	.0000	.0000	.0000	.0000
58	.322	.0083	.0083	.0000	.0000	.0000	.0000
59	.328	.0082	.0082	.0000	.0000	.0000	.0000
60	.333	.0094	.0094	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

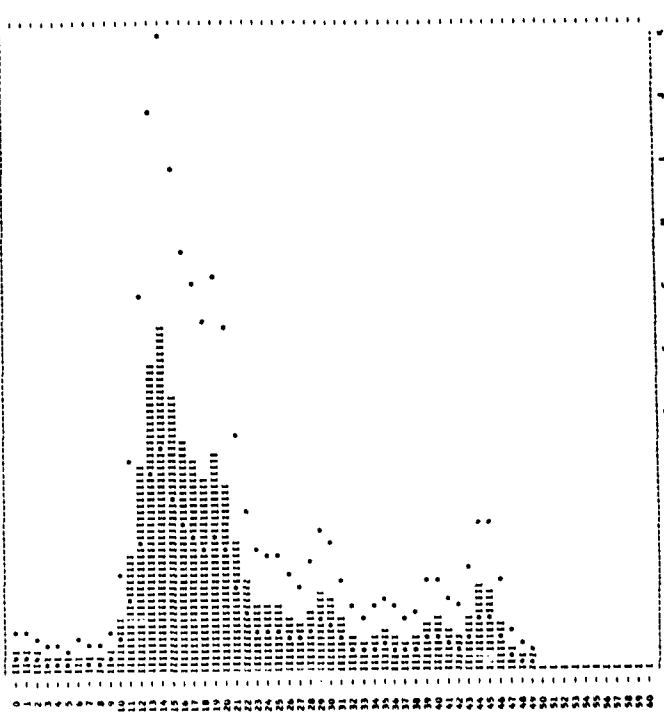


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T = 7.0 RECORD = JMC053
 HOUR = 12 SIG.MGT. = 23.0 UPPER MGT. = 25.7
 TOTAL DF = 298 CORR. VAR. = 19.9 LOWER MGT. = 22.1
 NOISE LEVEL = .0124 WIND SPEED = 0

H	FREQ.	UNIT-FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1073	.1073	.1069	.1069	.1067	.1177
1	.006	.2067	.2067	.1963	.1963	.1961	.1237
2	.011	.1004	.1004	.1000	.1000	.1000	.1070
3	.017	.1449	.1449	.1345	.1345	.1345	.0800
4	.022	.1270	.1270	.1194	.1194	.1194	.0730
5	.028	.1015	.1015	.0991	.0991	.1002	.0507
6	.033	.1005	.1005	.0981	.0981	.1000	.0906
7	.039	.1070	.1070	.0994	.0994	.1010	.0834
8	.044	.1000	.1000	.0984	.0984	.1000	.0701
9	.050	.1009	.1009	.1000	.1000	.1000	.1195
10	.056	.1190	.1190	.1074	.1074	.1084	.0937
11	.061	.0900	.0900	.0916	.0916	.0930	.1000
12	.067	1.0322	1.0322	1.0100	1.0100	1.0276	1.1024
13	.072	2.3901	2.3901	2.3777	2.3777	2.7655	5.0000
14	.078	2.0319	2.0319	2.0191	2.0191	2.1000	5.7001
15	.083	2.0100	2.0100	1.9901	1.9901	2.0804	4.0112
16	.089	1.6100	1.6100	1.5976	1.5976	2.0521	3.7823
17	.094	1.6170	1.6170	1.6040	1.6040	1.6971	3.4907
18	.100	1.2100	1.2100	1.1996	1.1996	1.7126	3.1946
19	.106	1.2770	1.2770	1.2691	1.2691	1.0220	3.9026
20	.111	1.0501	1.0501	1.0377	1.0377	1.0853	3.1062
21	.117	.6707	.6707	.6608	.6608	1.1631	1.1530
22	.122	.4269	.4269	.4149	.4149	1.0300	1.0000
23	.128	.2951	.2951	.2827	.2827	.3771	1.0334
24	.133	.2701	.2701	.2577	.2577	.3731	1.0504
25	.139	.2300	.2300	.2274	.2274	.5934	1.0204
26	.144	.1907	.1907	.1883	.1883	.4771	.0795
27	.150	.1520	.1520	.1494	.1494	.4121	.7595
28	.156	.1755	.1755	.1731	.1731	.5337	.9034
29	.161	.2000	.2000	.1979	.1979	.4861	1.2000
30	.167	.1600	.1600	.1581	.1581	.6273	1.1562
31	.172	.1079	.1079	.1055	.1055	.6359	.8034
32	.178	.0707	.0707	.0677	.0677	.2970	.5473
33	.183	.0535	.0535	.0511	.0511	.2390	.4405
34	.189	.0375	.0375	.0341	.0341	.2981	.5494
35	.194	.0507	.0507	.0483	.0483	.3408	.6424
36	.200	.0474	.0474	.0452	.0452	.3037	.5597
37	.206	.0377	.0377	.0353	.0353	.2504	.4619
38	.211	.0370	.0370	.0349	.0349	.2847	.5247
39	.217	.0447	.0447	.0423	.0423	.4282	.7893
40	.222	.0441	.0441	.0420	.0420	.4324	.7974
41	.228	.0290	.0290	.0269	.0269	.3403	.6273
42	.233	.0232	.0232	.0213	.0213	.3029	.5582
43	.239	.0317	.0317	.0295	.0295	.4849	.8937
44	.244	.0412	.0412	.0393	.0393	.7293	1.3643
45	.250	.0350	.0350	.0324	.0324	.7109	1.3102
46	.256	.0202	.0202	.0183	.0183	.6279	.7886
47	.261	.0156	.0156	.0139	.0139	.1943	.1927
48	.267	.0140	.0140	.0120	.0120	.1173	.2162
49	.272	.0140	.0140	.0113	.0113	.0944	.1777
50	.278	.0100	.0100	.0080	.0080	.0000	.0000
51	.283	.0090	.0090	.0080	.0080	.0000	.0000
52	.289	.0073	.0073	.0060	.0060	.0000	.0000
53	.294	.0096	.0096	.0080	.0080	.0000	.0000
54	.300	.0115	.0115	.0100	.0100	.0000	.0000
55	.306	.0084	.0084	.0080	.0080	.0000	.0000
56	.311	.0071	.0071	.0060	.0060	.0000	.0000
57	.317	.0123	.0123	.0100	.0100	.0000	.0000
58	.322	.0171	.0171	.0141	.0141	.0041	.0076
59	.328	.0087	.0087	.0071	.0071	.0071	.0130
60	.333	.0215	.0215	.0182	.0182	.0082	.0151

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC053
 7/11/56
 AVERAGE
 5.31E-07 5.73E-01 1.15E+00 2.72E+00 4.05E+00 5.42E+00 6.79E+00 8.17E+00 9.54E+00 1.09E+01

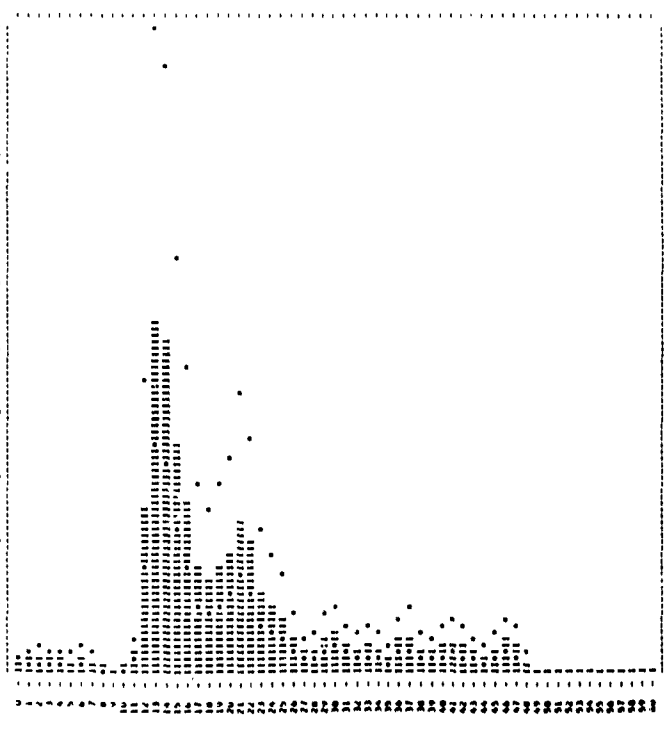


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T = 8.1 RECORD = JMC054
 HOUR = 12 SIG.MGT. = 23.0 UPPER MGT. = 25.1
 TOTAL DF = 171 CORR. VAR. = 33.0 LOWER MGT. = 21.1
 NOISE LEVEL = .0086 WIND SPEED = 10

H	FREQ.	UNIT-FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1062	.1062	.0964	.0964	.1780	.0815
1	.006	.1412	.1412	.1316	.1316	.2262	.0838
2	.011	.1458	.1458	.1362	.1362	.1562	.2878
3	.017	.1412	.1412	.1316	.1316	.2425	.0838
4	.022	.1264	.1264	.1168	.1168	.2152	.0764
5	.028	.1206	.1206	.1100	.1100	.2108	.0709
6	.033	.1074	.1074	.0978	.0978	.1580	.2912
7	.039	.0876	.0876	.0780	.0780	.1071	.1975
8	.044	.0844	.0844	.0748	.0748	.0959	.0313
9	.050	.0216	.0216	.0120	.0120	.0141	.0239
10	.056	.0579	.0579	.0483	.0483	.0550	.1014
11	.061	.1031	.1031	.1195	.1195	2.184	.0024
12	.067	1.6804	1.6804	1.6788	1.6788	1.9042	3.5098
13	.072	3.6487	3.6487	3.6391	3.6391	4.2020	7.7950
14	.078	3.1363	3.1363	3.1267	3.1267	3.4948	7.1733
15	.083	2.1836	2.1836	2.1740	2.1740	2.6749	4.9302
16	.089	1.9335	1.9335	1.9239	1.9239	1.8352	1.8627
17	.094	.9201	.9201	.9105	.9105	1.2295	2.8662
18	.100	.7497	.7497	.7401	.7401	1.0566	1.9475
19	.106	.6031	.6031	.5935	.5935	1.2059	2.2220
20	.111	.4745	.4745	.4649	.4649	1.4046	2.5800
21	.117	1.0305	1.0305	1.0209	1.0209	1.7913	3.3016
22	.122	.8149	.8149	.8053	.8053	1.5149	2.4019
23	.128	.4555	.4555	.4459	.4459	.6662	1.4702
24	.133	.3478	.3478	.3382	.3382	.7522	1.3864
25	.139	.2679	.2679	.2583	.2583	.6289	1.1301
26	.144	.1934	.1934	.1838	.1838	.5884	.7093
27	.150	.0870	.0870	.0774	.0774	.2284	.4210
28	.156	.0828	.0828	.0732	.0732	.2395	.4414
29	.161	.1167	.1167	.1071	.1071	.1889	.3184
30	.167	.1177	.1177	.1081	.1081	.4400	.8110
31	.172	.0768	.0768	.0672	.0672	.1067	.1993
32	.178	.0551	.0551	.0455	.0455	.2341	.4318
33	.183	.0409	.0409	.0313	.0313	.2484	.5444
34	.189	.0455	.0455	.0359	.0359	.2372	.4373
35	.194	.0305	.0305	.0209	.0209	.1157	.2400
36	.200	.0308	.0308	.0212	.0212	.3555	.6552
37	.206	.0515	.0515	.0419	.0419	.4192	.7634
38	.211	.0318	.0318	.0222	.0222	.2138	.4478
39	.217	.0245	.0245	.0149	.0149	.2239	.4126
40	.222	.0295	.0295	.0199	.0199	.2494	.4380
41	.228	.0275	.0275	.0179	.0179	.2121	.3924
42	.233	.0230	.0230	.0135	.0135	.2844	.5242
43	.239	.0177	.0177	.0086	.0086	.2135	.3936
44	.244	.0148	.0148	.0073	.0073	.1812	.3319
45	.250	.0165	.0165	.0073	.0073	.2531	.4866
46	.256	.0201	.0201	.0085	.0085	.3522	.6442
47	.261	.0148	.0148	.0080	.0080	.2494	.4844
48	.267	.0107	.0107	.0019	.0019	.1113	.2052
49	.272	.0088	.0088	.0000	.0000	.0000	.0000
50	.278	.0081	.0081	.0000	.0000	.0000	.0000
51	.283	.0080	.0080	.0000	.0000	.0000	.0000
52	.289	.0067	.0067	.0000	.0000	.0000	.0000
53	.294	.0066	.0066	.0000	.0000	.0000	.0000
54	.300	.0068	.0068	.0000	.0000	.0000	.0000
55	.306	.0094	.0094	.0000	.0000	.0000	.0000
56	.311	.0104	.0104	.0011	.0011	.0011	.0020
57	.317	.0140	.0140	.0017	.0017	.0017	.0027
58	.322	.0163	.0163	.0047	.0047	.3047	.0366
59	.328	.0126	.0126	.0024	.0024	.0024	.0046
60	.333	.0064	.0064	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC054
 7/11/56
 AVERAGE
 6.17E-07 7.74E-01 1.53E+00 2.72E+00 4.05E+00 5.42E+00 6.79E+00 8.17E+00 9.54E+00 1.09E+01

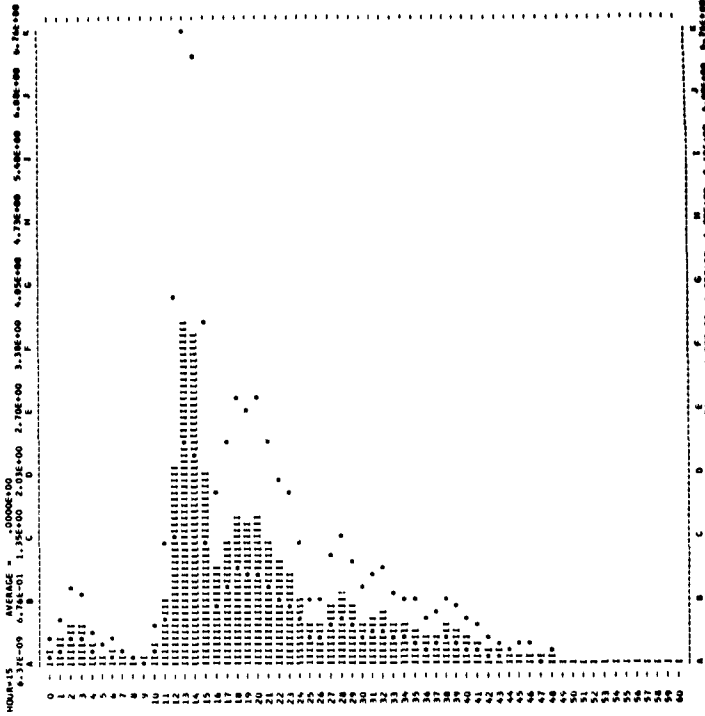


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T = 6.4 RECORD = JMC055
 HOUR = 15 SIG. HGT. = 22.8 UPPER HGT. = 24.7
 TOTAL DF = 230 CORR. VAR. = 32.5 LOWER HGT. = 21.0
 NOISE LEVEL = .0075 WIND SPEED = 30

H	FREQ.	UNIT+FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1264	.1264	.1285	.1285	.2569	.0818
1	.004	.2574	.2574	.2611	.2617	.4823	.1595
2	.011	.4444	.4444	.4565	.4565	.8046	.2779
3	.017	.7948	.7948	.8069	.8069	.1531	.2664
4	.022	1.095	1.095	1.116	1.116	.3107	.1054
5	.028	1.639	1.639	.0960	.0960	.1770	.0811
6	.033	.0901	.0901	.0822	.1328	.2648	.0844
7	.038	.0595	.0595	.0525	.0709	.1307	.0633
8	.044	.0311	.0311	.0232	.0289	.0535	.0184
9	.050	.0459	.0459	.0380	.0446	.0823	.0284
10	.056	.1963	.1963	.1886	.2150	.3763	.1369
11	.061	.4232	.4232	.4153	.4947	.1.2805	.4424
12	.067	1.0748	1.0748	1.0667	2.1176	3.4931	1.1804
13	.072	3.1821	3.1821	3.1742	3.6623	6.7556	2.3278
14	.078	2.8646	2.8646	2.8567	3.5096	6.6487	2.2847
15	.083	1.6293	1.6293	1.6214	1.9990	3.6770	1.2703
16	.089	.7768	.7768	.7719	.9118	1.6225	.6113
17	.094	.9814	.9814	.9435	1.2741	2.3484	.8113
18	.100	1.0863	1.0863	1.0784	1.3374	2.6370	.9641
19	.104	.8794	.8794	.8715	1.0740	2.1703	.7508
20	.111	.9490	.9490	.9371	1.1320	2.6052	.9691
21	.117	.7497	.7497	.7418	1.2940	1.3891	.6239
22	.122	.5714	.5714	.5635	1.0410	1.1925	.4756
23	.128	.4852	.4852	.4773	.9744	1.7960	.6205
24	.133	.3250	.3250	.3171	.7053	1.5901	.4491
25	.139	.1624	.1624	.1545	.3742	.8134	.2396
26	.144	.1516	.1516	.1437	.3844	.7089	.2449
27	.150	.2189	.2189	.2110	.4830	.8450	.3476
28	.156	.2342	.2342	.2263	.7406	1.3450	.4716
29	.161	.1725	.1725	.1646	.5994	1.0448	.3817
30	.167	.1138	.1138	.1059	.4312	.7948	.2744
31	.172	.1149	.1149	.1070	.4977	.9173	.3169
32	.178	.1127	.1127	.1048	.5997	.9467	.3436
33	.183	.1088	.1088	.1009	.3952	.8284	.2814
34	.189	.0656	.0656	.0577	.3817	.7035	.2430
35	.194	.0569	.0569	.0490	.3695	.6810	.2352
36	.200	.0284	.0284	.0205	.2441	.4537	.1547
37	.206	.0373	.0373	.0294	.2917	.5376	.1857
38	.211	.0407	.0407	.0328	.3755	.6227	.2391
39	.217	.0214	.0214	.0135	.3144	.5797	.2003
40	.222	.0244	.0244	.0170	.2414	.4822	.1644
41	.228	.0190	.0190	.0113	.2032	.3746	.1294
42	.233	.0143	.0143	.0071	.1510	.2740	.0934
43	.239	.0124	.0124	.0043	.1044	.1942	.0678
44	.244	.0096	.0096	.0028	.0810	1.493	.0916
45	.250	.0110	.0110	.0028	.0874	1.503	.0933
46	.256	.0112	.0112	.0024	.0889	1.822	.0929
47	.261	.0077	.0077	.0008	.0614	.0763	.0283
48	.267	.0083	.0083	.0002	.0712	.1324	.0447
49	.272	.0121	.0121	.0035	.0035	.0064	.0022
50	.278	.0129	.0129	.0038	.0038	.0070	.0024
51	.283	.0088	.0088	.0004	.0004	.0028	.0009
52	.289	.0074	.0074	.0005	.0005	.0010	.0003
53	.294	.0101	.0095	.0017	.0017	.0031	.0011
54	.300	.0094	.0092	.0013	.0013	.0025	.0009
55	.306	.0094	.0094	.0013	.0013	.0025	.0009
56	.311	.0075	.0074	.0000	.0000	.0000	.0000
57	.317	.0098	.0098	.0000	.0000	.0000	.0000
58	.322	.0040	.0040	.0000	.0000	.0000	.0000
59	.328	.0062	.0061	.0000	.0000	.0000	.0000
60	.333	.0059	.0040	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

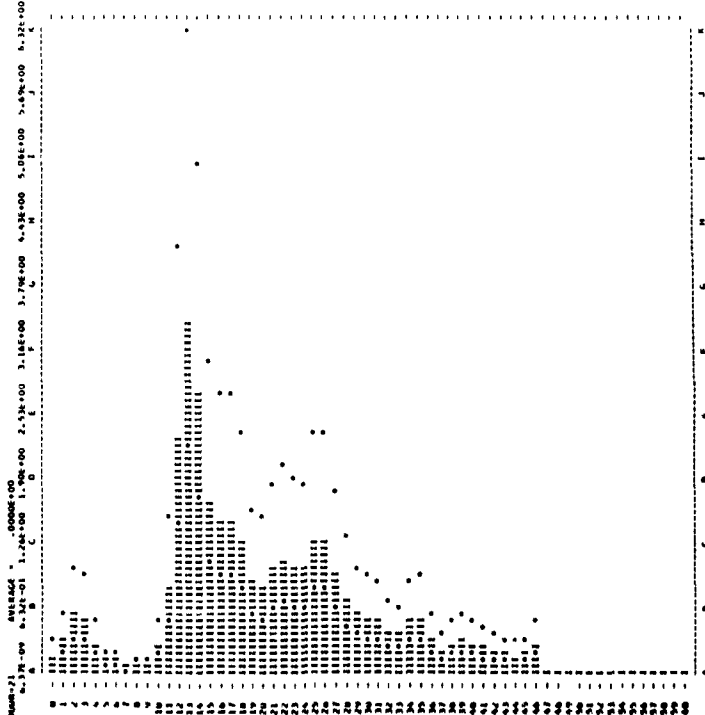


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/11/56 AV. T = 8.1 RECORD = JMC056
 HOUR = 21 SIG. HGT. = 23.7 UPPER HGT. = 24.9
 TOTAL DF = 230 CORR. VAR. = 33.5 LOWER HGT. = 21.5
 NOISE LEVEL = .0065 WIND SPEED = 30

H	FREQ.	UNIT+FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1413	.1413	.1548	.1548	.2854	.0984
1	.004	.3116	.3116	.3051	.3051	.5624	.1943
2	.011	.5448	.5448	.5433	.5433	1.0014	.3440
3	.017	.9115	.9115	.9050	.9050	.9309	.3214
4	.022	.2840	.2840	.2575	.2575	.4747	.1840
5	.028	.1178	.1178	.1063	.1063	.1960	.0877
6	.033	.0844	.0844	.0809	.0808	.1785	.0917
7	.038	.0414	.0414	.0349	.0400	.0885	.0306
8	.044	.0529	.0529	.0444	.0518	.1048	.0348
9	.050	.0750	.0750	.0685	.0805	.1484	.0513
10	.056	.2189	.2189	.2124	.2650	.4883	.1697
11	.061	.7481	.7481	.7416	.8374	1.5434	.5332
12	.067	1.4844	1.4844	1.4779	2.2549	4.1561	1.4358
13	.072	2.9782	2.9782	2.9717	4.3315	6.3247	2.1849
14	.078	2.2760	2.2760	2.2695	2.6939	4.4653	1.7153
15	.083	1.1518	1.1518	1.1473	1.4878	3.0555	1.0554
16	.089	1.1588	1.1588	1.1523	1.4802	2.7282	.9425
17	.094	1.1009	1.1009	1.0944	1.4779	2.7240	.9411
18	.100	.9071	.9071	.9006	1.2858	1.7600	.8187
19	.104	.5774	.5774	.5714	.8682	1.6002	.5528
20	.111	.5159	.5159	.5094	.8274	1.5250	.5248
21	.117	.5778	.5778	.5713	.9064	1.8349	.6564
22	.122	.5823	.5823	.5758	1.0862	1.9983	.6903
23	.128	.5145	.5145	.5080	1.0372	1.9118	.6404
24	.133	.4990	.4990	.4925	1.0086	1.8553	.6129
25	.139	.5329	.5329	.5264	1.2818	2.1624	.8162
26	.144	.4825	.4825	.4760	1.2741	2.3484	.8113
27	.150	.3324	.3324	.3259	.9623	1.7736	.6147
28	.156	.2284	.2284	.2219	.7197	1.3244	.4563
29	.161	.1582	.1582	.1517	.5525	1.0184	.3518
30	.167	.1217	.1217	.1152	.4307	.7613	.2752
31	.172	.1104	.1104	.1041	.4754	.8763	.3027
32	.178	.0824	.0824	.0759	.3910	.7207	.2490
33	.183	.0665	.0665	.0600	.3483	.6439	.2274
34	.189	.0816	.0816	.0751	.4969	.9154	.3164
35	.194	.0748	.0748	.0683	.4321	.8445	.3280
36	.200	.0413	.0413	.0350	.3024	.5575	.1874
37	.206	.0275	.0275	.0210	.2084	.3845	.1328
38	.211	.0290	.0290	.0225	.2579	.4754	.1642
39	.217	.0287	.0287	.0222	.2940	.5438	.1874
40	.222	.0241	.0241	.0176	.2716	.5004	.1730
41	.228	.0194	.0194	.0134	.2415	.4451	.1538
42	.233	.0166	.0166	.0104	.2118	.3904	.1344
43	.239	.0134	.0134	.0072	.1778	.3278	.1132
44	.244	.0111	.0111	.0054	.1573	.2900	.1002
45	.250	.0117	.0117	.0054	.1883	.3471	.1199
46	.256	.0130	.0130	.0067	.2740	.5088	.1758
47	.261	.0148	.0148	.0082	.0082	.0151	.0052
48	.267	.0148	.0148	.0081	.0081	.0150	.0052
49	.272	.0116	.0116	.0050	.0050	.0091	.0032
50	.278	.0065	.0077	.0013	.0013	.0024	.0008
51	.283	.0064	.0064	.0005	.0005	.0008	.0003
52	.289	.0084	.0084	.0017	.0017	.0024	.0009
53	.294	.0094	.0094	.0025	.0025	.0036	.0012
54	.300	.0084	.0084	.0014	.0014	.0018	.0006
55	.306	.0084	.0084	.0014	.0014	.0018	.0006
56	.311	.0042	.0042	.0000	.0000	.0000	.0000
57	.317	.0062	.0062	.0000	.0000	.0000	.0000
58	.322	.0045	.0045	.0000	.0000	.0000	.0000
59	.328	.0038	.0041	.0000	.0000	.0000	.0000
60	.333	.0045	.0041	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

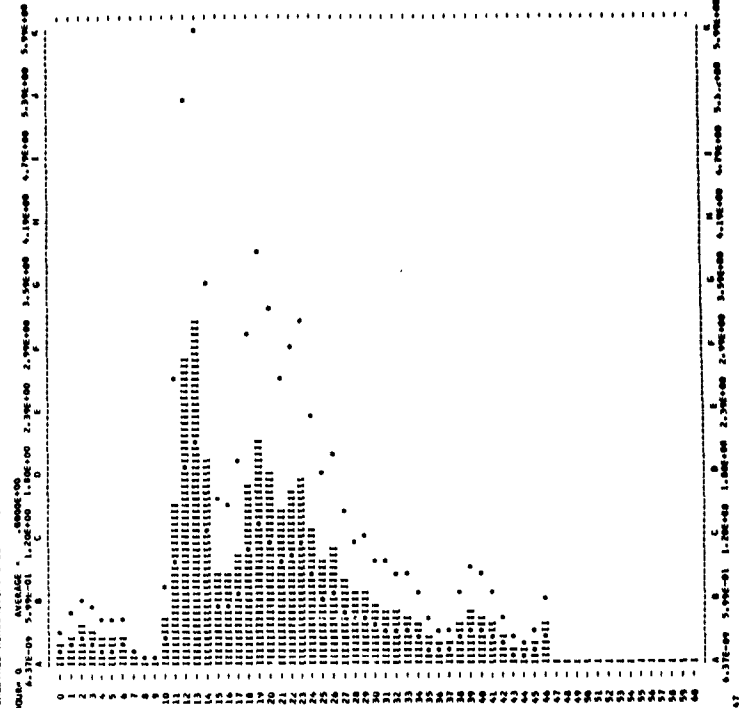


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/11/56 AV. T = 8.0 RECORD = JMC09T
 HOUR = 0 SIG.MGT. = 26.0 UPPER MGT. = 29.0
 TOTAL DF = 340 CORR. V.M. = 28.0 LOWER MGT. = 22.2
 NOISE LEVEL = .0066 WIND SPEED =

H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.790	.1790	.1728	.3184	.1100
1	.004	2.820	.2820	.2452	.4850	.1865
2	.011	3.660	.3660	.3078	.6200	.2151
3	.017	2.960	.2960	.2596	.4990	.1849
4	.022	2.330	.2330	.2246	.4170	.1643
5	.028	1.940	.1940	.2280	.3280	.1492
6	.032	1.575	.1575	.1807	.2484	.1199
7	.036	1.245	.1245	.1405	.1875	.0972
8	.040	.950	.0950	.1090	.1464	.0757
9	.050	.620	.0620	.0812	.1023	.0543
10	.058	.3490	.0349	.0431	.0700	.0400
11	.061	1.3114	1.3114	1.3044	1.4730	2.7149
12	.067	2.9409	2.9409	2.9341	2.8794	5.2970
13	.072	2.0192	2.0192	2.0124	3.2474	5.9859
14	.076	1.6380	1.6380	1.6320	1.9371	3.8704
15	.082	.7031	.7031	.6963	.8567	1.5790
16	.089	.6390	.6390	.6321	.8132	1.4906
17	.094	.7805	.7805	.7737	1.0448	1.9234
18	.100	1.1814	1.1814	1.1746	1.6769	3.0708
19	.104	1.3937	1.3937	1.3869	2.1071	3.8836
20	.111	1.1219	1.1219	1.1151	1.8110	3.3379
21	.117	.8471	.8471	.8403	1.4658	2.7016
22	.122	.8621	.8621	.8553	1.6102	2.9460
23	.128	.6670	.6670	.6602	1.7540	3.2344
24	.132	.5804	.5804	.5736	1.2762	2.3523
25	.136	.4084	.4084	.4016	.9793	1.8631
26	.144	.4091	.4091	.4023	1.0747	1.9845
27	.150	.2757	.2757	.2689	.7938	1.4630
28	.154	1.1987	1.1987	1.1919	1.6312	1.4133
29	.161	1.874	1.874	1.866	.6575	1.2119
30	.167	1.368	1.368	1.360	.5291	.9753
31	.172	1.171	1.171	1.163	.6034	.9729
32	.178	.0978	.0978	.0910	.4684	.8633
33	.183	.0823	.0823	.0755	.5391	.8094
34	.189	.0623	.0623	.0555	.3660	.6761
35	.194	.0375	.0375	.0307	.2312	.4261
36	.200	.0292	.0292	.0224	.1584	.2923
37	.206	.0232	.0232	.0164	.1623	.2992
38	.211	.0394	.0394	.0326	.3728	.6871
39	.217	.0435	.0435	.0367	.4865	.8968
40	.222	.0394	.0394	.0326	.4480	.8257
41	.228	.0288	.0288	.0220	.3704	.6427
42	.233	.0164	.0164	.0096	.2378	.4304
43	.239	.0108	.0108	.0040	.1290	.2377
44	.244	.0101	.0101	.0032	.1018	.1476
45	.250	.0101	.0101	.0024	.1477	.3091
46	.254	.0101	.0101	.0016	.3345	.6201
47	.261	.0174	.0174	.0096	.0091	.0189
48	.267	.0130	.0130	.0072	.0072	.1332
49	.272	.0124	.0124	.0054	.0055	.1022
50	.278	.0113	.0113	.0046	.0041	.0074
51	.283	.0084	.0084	.0028	.0023	.0043
52	.289	.0080	.0080	.0020	.0020	.0016
53	.294	.0062	.0062	.0000	.0000	.0000
54	.300	.0000	.0000	.0000	.0000	.0000
55	.304	.0042	.0042	.0000	.0000	.0000
56	.311	.0087	.0087	.0015	.0015	.0027
57	.317	.0048	.0048	.0018	.0018	.0033
58	.322	.0045	.0045	.0000	.0000	.0000
59	.328	.0048	.0048	.0000	.0000	.0000
60	.333	.0040	.0040	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

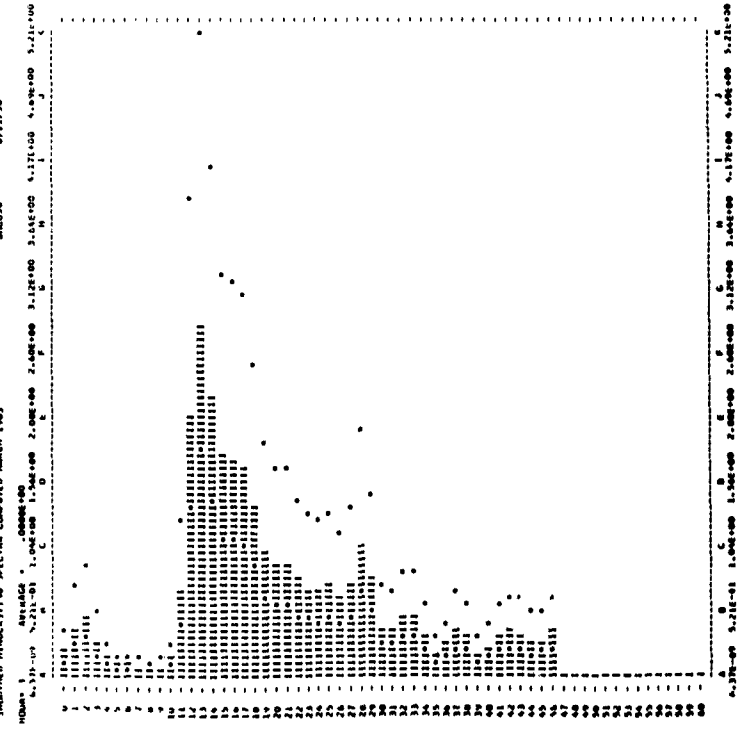


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/11/56 AV. T = 7.9 RECORD = JMC09B
 HOUR = 3 SIG.MGT. = 22.1 UPPER MGT. = 23.8
 TOTAL DF = 245 CORR. V.M. = 30.8 LOWER MGT. = 20.6
 NOISE LEVEL = .0064 WIND SPEED =

H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.944	.1944	1.880	1.880	3.445
1	.004	1.900	.1900	1.836	1.836	3.070
2	.011	1.875	.1875	1.811	1.811	2.867
3	.017	1.803	.1803	1.789	1.789	2.514
4	.022	1.551	.1551	1.507	1.507	2.261
5	.028	1.094	.1094	1.040	1.040	1.918
6	.033	.862	.0862	.818	.818	1.671
7	.036	.699	.0699	.655	.655	1.424
8	.040	.541	.0541	.507	.507	1.177
9	.050	.403	.0403	.369	.369	.930
10	.054	.275	.0275	.237	.237	.683
11	.061	1.8572	1.8572	1.8508	2.0944	3.8694
12	.067	2.4530	2.4530	2.4466	2.8251	5.2071
13	.072	1.8844	1.8844	1.8780	2.2922	4.1087
14	.078	1.4288	1.4288	1.4224	1.7501	3.2257
15	.084	1.3471	1.3471	1.3407	1.7221	3.1761
16	.089	1.2450	1.2450	1.2386	1.6726	3.0829
17	.100	.9347	.09347	.8883	1.3339	2.4954
18	.104	.6872	.06872	.6408	1.0040	1.8394
19	.111	.5865	.05865	.5401	.8907	1.6417
20	.117	.4158	.04158	.3694	.7708	1.4207
21	.122	.3445	.03445	.3031	.7004	1.2810
22	.128	.2892	.02892	.2479	.6400	1.2807
23	.132	.2375	.02375	.1962	.5800	1.1811
24	.136	.1913	.01913	.1496	.5200	1.0811
25	.139	.1492	.01492	.1079	.4600	.9811
26	.144	.1124	.01124	.0712	.4000	.8811
27	.150	.0817	.00817	.0345	.3400	.7811
28	.154	.0510	.00510	.0178	.2800	.6811
29	.161	.0203	.00203	.0011	.2200	.5811
30	.167	.0101	.00101	.0005	.1600	.4811
31	.172	.0087	.00087	.0004	.1400	.4211
32	.178	.0078	.00078	.0004	.1200	.3611
33	.183	.0069	.00069	.0004	.1000	.3011
34	.189	.0060	.00060	.0004	.0800	.2411
35	.194	.0051	.00051	.0004	.0600	.1811
36	.200	.0042	.00042	.0004	.0400	.1211
37	.206	.0033	.00033	.0004	.0200	.0611
38	.211	.0024	.00024	.0004	.0100	.0311
39	.217	.0015	.00015	.0004	.0050	.0151
40	.222	.0006	.00006	.0004	.0025	.0075
41	.228	.0003	.00003	.0004	.0012	.0037
42	.233	.0001	.00001	.0004	.0006	.0018
43	.239	.0000	.00000	.0004	.0003	.0009
44	.244	.0000	.00000	.0004	.0001	.0004
45	.250	.0000	.00000	.0004	.0000	.0002
46	.254	.0000	.00000	.0004	.0000	.0001
47	.261	.0000	.00000	.0004	.0000	.0000
48	.267	.0000	.00000	.0004	.0000	.0000
49	.272	.0000	.00000	.0004	.0000	.0000
50	.278	.0000	.00000	.0004	.0000	.0000
51	.283	.0000	.00000	.0004	.0000	.0000
52	.289	.0000	.00000	.0004	.0000	.0000
53	.294	.0000	.00000	.0004	.0000	.0000
54	.300	.0000	.00000	.0004	.0000	.0000
55	.304	.0000	.00000	.0004	.0000	.0000
56	.311	.0000	.00000	.0004	.0000	.0000
57	.317	.0000	.00000	.0004	.0000	.0000
58	.322	.0000	.00000	.0004	.0000	.0000
59	.328	.0000	.00000	.0004	.0000	.0000
60	.333	.0000	.00000	.0004	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

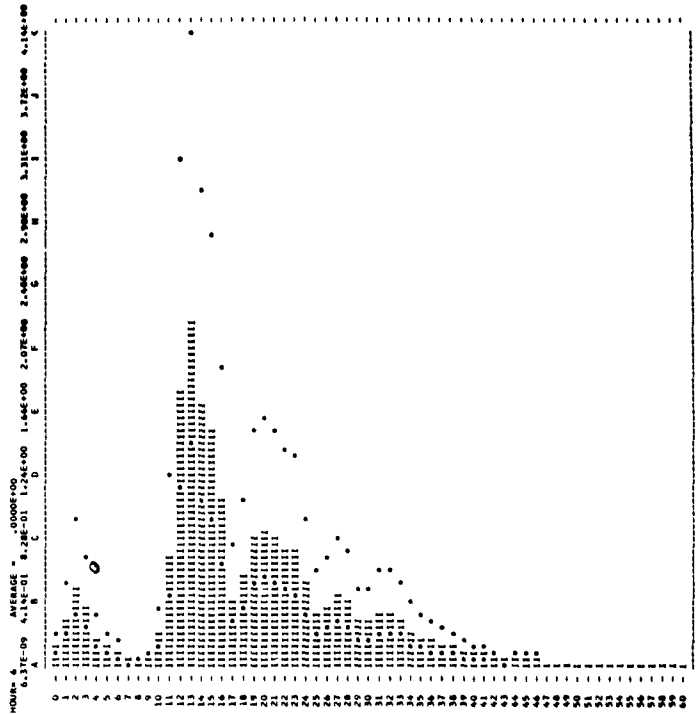


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/17/56 AV. T = 6.9 RECORD = JMC059
 HOUR = 0 SIG. HGT. = 16.3 UPPER HGT. = 19.8
 TOTAL DP = 207 CORR. VAR. = 20.0 LOWER HGT. = 16.0
 NOISE LEVEL = .0070 WIND SPEED = 20

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	-1294	-1294	-1184	-1184	-2182	-0754
1	.006	-3084	-3084	-3014	-3014	-3555	-1919
2	.011	-5128	-5128	-5058	-5058	-6022	-3220
3	.017	-8253	-8253	-8183	-8183	-9753	-5250
4	.022	-10954	-10954	-10884	-10884	-12807	-7136
5	.028	-14269	-14269	-14200	-14200	-16609	-9007
6	.033	-18000	-18000	-17930	-17930	-20894	-10945
7	.039	-22197	-22197	-22127	-22127	-25874	-13168
8	.044	-26894	-26894	-26824	-26824	-31854	-15698
9	.050	-32141	-32141	-32071	-32071	-38934	-18543
10	.056	-37988	-37988	-37918	-37918	-46214	-21704
11	.061	-44435	-44435	-44365	-44365	-54794	-25194
12	.067	-51482	-51482	-51412	-51412	-64674	-29024
13	.072	-59229	-59229	-59159	-59159	-75854	-33194
14	.078	-67676	-67676	-67606	-67606	-88434	-37724
15	.083	-76923	-76923	-76853	-76853	-102514	-42614
16	.089	-86970	-86970	-86900	-86900	-118194	-47864
17	.094	-97917	-97917	-97847	-97847	-135474	-53484
18	.100	-109764	-109764	-109694	-109694	-154354	-59474
19	.106	-123611	-123611	-123541	-123541	-174834	-65824
20	.111	-138458	-138458	-138388	-138388	-197014	-72534
21	.117	-154305	-154305	-154235	-154235	-220994	-79604
22	.122	-171152	-171152	-171082	-171082	-246774	-87034
23	.128	-189000	-189000	-188930	-188930	-274354	-94824
24	.133	-207847	-207847	-207777	-207777	-303734	-102974
25	.139	-227695	-227695	-227625	-227625	-334914	-111484
26	.144	-248542	-248542	-248472	-248472	-367994	-120344
27	.150	-270390	-270390	-270320	-270320	-402974	-129554
28	.156	-293237	-293237	-293167	-293167	-449854	-139114
29	.161	-317085	-317085	-317015	-317015	-508634	-149024
30	.167	-341932	-341932	-341862	-341862	-579414	-159284
31	.172	-367780	-367780	-367710	-367710	-663194	-170004
32	.178	-394627	-394627	-394557	-394557	-760074	-181184
33	.183	-422475	-422475	-422405	-422405	-870954	-192824
34	.189	-451322	-451322	-451252	-451252	-995834	-204934
35	.194	-481170	-481170	-481100	-481100	-1134714	-218514
36	.200	-512017	-512017	-511947	-511947	-1288594	-233574
37	.206	-543865	-543865	-543795	-543795	-1457974	-250114
38	.211	-576712	-576712	-576642	-576642	-1642854	-268134
39	.217	-610560	-610560	-610490	-610490	-1843234	-287654
40	.222	-645407	-645407	-645337	-645337	-2059114	-308674
41	.228	-681255	-681255	-681185	-681185	-2291494	-331194
42	.233	-718102	-718102	-718032	-718032	-2540374	-355214
43	.239	-755950	-755950	-755880	-755880	-2805754	-380734
44	.244	-794797	-794797	-794727	-794727	-3088634	-407754
45	.250	-834645	-834645	-834575	-834575	-3389014	-436274
46	.256	-875492	-875492	-875422	-875422	-3706894	-466294
47	.261	-917340	-917340	-917270	-917270	-4042274	-497814
48	.267	-960187	-960187	-960117	-960117	-4495154	-530834
49	.272	-1004035	-1004035	-1003965	-1003965	-5066534	-565354
50	.278	-1048882	-1048882	-1048812	-1048812	-5757414	-601374
51	.283	-1094730	-1094730	-1094660	-1094660	-6468794	-638894
52	.289	-1141577	-1141577	-1141507	-1141507	-7200674	-677914
53	.294	-1189425	-1189425	-1189355	-1189355	-7953054	-718434
54	.300	-1238272	-1238272	-1238202	-1238202	-8725934	-760454
55	.306	-1288120	-1288120	-1288050	-1288050	-9519314	-804074
56	.311	-1338967	-1338967	-1338897	-1338897	-10433194	-849294
57	.317	-1390815	-1390815	-1390745	-1390745	-11467574	-896014
58	.322	-1443662	-1443662	-1443592	-1443592	-12622454	-944234
59	.328	-1497510	-1497510	-1497440	-1497440	-13897834	-993954
60	.333	-1552357	-1552357	-1552287	-1552287	-15293714	-1045174

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

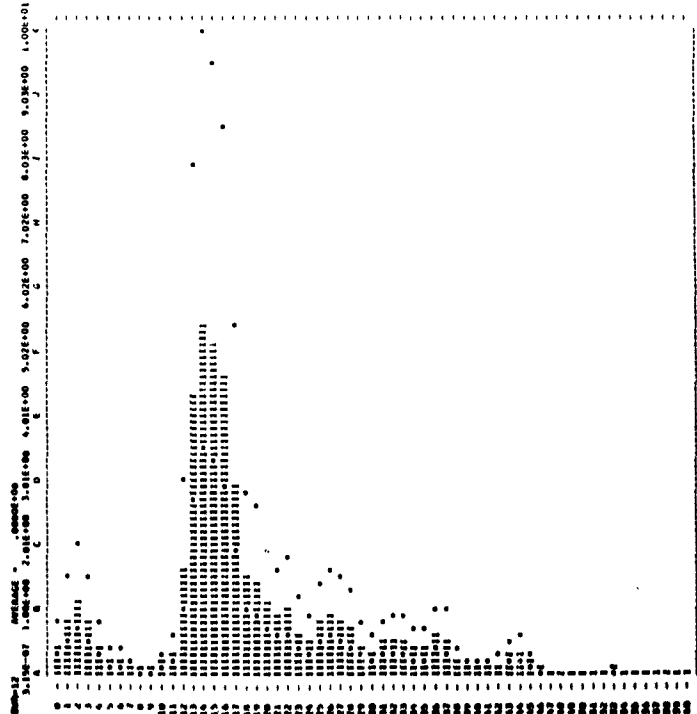


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/17/56 AV. T = 9.0 RECORD = JMC040
 HOUR = 12 SIG. HGT. = 26.7 UPPER HGT. = 29.3
 TOTAL DP = 162 CORR. VAR. = 44.7 LOWER HGT. = 24.9
 NOISE LEVEL = .0108 WIND SPEED = 20

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	-4203	-4203	-4095	-4095	-7548	-2608
1	.006	-8041	-8041	-7953	-7953	-14659	-5044
2	.011	-11112	-11112	-11004	-11004	-22283	-7007
3	.017	-16322	-16322	-16214	-16214	-31510	-10220
4	.022	-21418	-21418	-21310	-21310	-41229	-14808
5	.028	-27177	-27177	-27069	-27069	-52541	-20796
6	.033	-33542	-33542	-33434	-33434	-65453	-28004
7	.039	-40539	-40539	-40431	-40431	-80065	-36532
8	.044	-48198	-48198	-48090	-48090	-96377	-46380
9	.050	-56539	-56539	-56431	-56431	-114389	-57528
10	.056	-65580	-65580	-65472	-65472	-134101	-69976
11	.061	-75321	-75321	-75213	-75213	-155513	-83724
12	.067	-85762	-85762	-85654	-85654	-178625	-98772
13	.072	-96903	-96903	-96795	-96795	-203437	-115020
14	.078	-108744	-108744	-108636	-108636	-230049	-133468
15	.083	-121285	-121285	-121177	-121177	-258461	-154016
16	.089	-134526	-134526	-134418	-134418	-289673	-176664
17	.094	-148467	-148467	-148359	-148359	-323685	-201412
18	.100	-163108	-163108	-162999	-162999	-360497	-228260
19	.106	-178449	-178449	-178341	-178341	-400109	-257108
20	.111	-194490	-194490	-194382	-194382	-442521	-288056
21	.117	-211231	-211231	-211123	-211123	-487733	-321104
22	.122	-228672	-228672	-228564	-228564	-535745	-356252
23	.128	-246813	-246813	-246705	-246705	-586557	-393400
24	.133	-265654	-265654	-265546	-265546	-640169	-432548
25	.139	-285195	-285195	-285087	-285087	-696581	-473696
26	.144	-305436	-305436	-305328	-305328	-755793	-516844
27	.150	-326377	-326377	-326269	-326269	-817805	-562092
28	.156	-348018	-348018	-347910	-347910	-882617	-609440
29	.161	-370359	-370359	-370251	-370251	-950229	-658888
30	.167	-393400	-393400	-393292	-393292	-1020641	-710436
31	.172	-417141	-417141	-417033	-417033	-1093853	-764084
32	.178	-441582	-441582	-441474	-441474	-1169965	-819832
33	.183	-466723	-466723	-466615	-466615	-1248977	-877680
34	.189	-492564	-492564	-492456	-492456	-1330989	-937628
35	.194	-519105	-519105	-518997	-518997	-1415901	-999676
36	.200	-546346	-546346	-546238	-546238	-1503713	-1063824
37	.206	-574287	-574287	-574179	-574179	-1594425	-1130072
38	.211	-602928	-602928	-602820	-602820	-1688037	-1198420
39	.217	-632269	-632269	-632161	-632161	-1784549	-1268868
40	.222	-662310	-662310	-662202	-662202	-1883961	-1341416
41	.228	-693051	-693051	-692943	-692943	-1986273	-1416064
42	.233	-724492	-724492	-724384	-724384	-2091485	-1492812
43	.239	-756633	-756633	-756525	-756525	-2209597	-1571660
44	.244	-789474	-789474	-789366	-789366	-2340609	-1652708
45	.250	-823015	-823015	-822907	-822907	-2474521	-1735956
46	.256	-857256	-857256	-857148	-857148	-2621333	-1821404
47	.261	-892197	-892197	-892089	-892089	-2771045	-1909052
48	.267	-927838	-927838	-927730	-927730	-2923657	-1998900
49	.272	-964079	-964079	-963971	-963971	-3079169	-2090948
50	.278	-1000920	-1000920	-1000812	-1000812	-3237581	-2185196
51	.283	-1038361	-1038361	-1038253	-1038253	-3398893	-2281644
52	.289	-1076402	-1076402	-1076294	-1076294	-3563105	-2380292
53	.294	-1115043	-1115043	-1114935	-1114935	-3730217	-2481040
54	.300	-1154284	-1154284	-1154176	-1154176	-3900129	-2583888
55	.306	-1194125	-1194125	-1194017	-1194017	-4072841	-2688836
56	.311	-1234566	-1234566	-1234458	-1234458	-4248353	-2795884
57	.317	-1275607	-1275607	-1275499	-1275499	-4426665	-2905032
58	.322	-1317248	-1317248	-1317140	-1317140	-4607777	-3016280
59	.328	-1359489	-1359489	-1359381	-1359381	-4791689	-3129628
60	.333	-1402330	-1402330	-1402222	-1402222	-4978401	-3245076

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

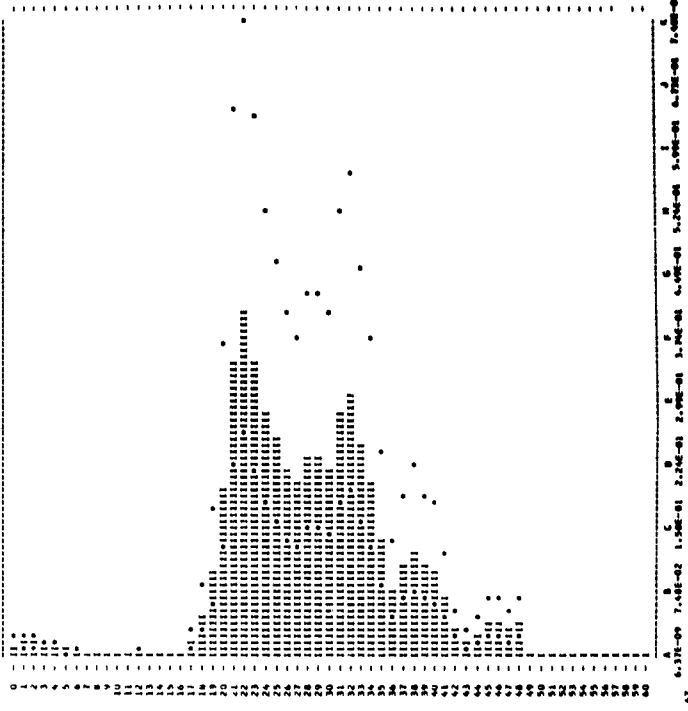


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/56 AV. T = 6.2 RECORD = JMC001
 HOUR = 9 SIG.HGT. = 7.8 UPPER HGT. = 9.5
 TOTAL DF = 217 CORR. VAR. = 3.8 LOWER HGT. = 7.2
 NOISE LEVEL = .0014 WIND SPEED = 15

N	FRE. UNIT+FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0132	.0132	.0111	.0206	.0071
1	.007	.0132	.0132	.0130	.0190	.0082
2	.011	.0131	.0131	.0130	.0180	.0082
3	.017	.0121	.0121	.0130	.0180	.0084
4	.023	.0091	.0091	.0130	.0170	.0080
5	.028	.0060	.0060	.0090	.0072	.0025
6	.033	.0030	.0030	.0010	.0020	.0010
7	.037	.0000	.0000	.0000	.0000	.0000
8	.044	.0016	.0016	.0000	.0000	.0000
9	.050	.0020	.0020	.0000	.0000	.0000
10	.056	.0027	.0027	.0000	.0000	.0000
11	.061	.0035	.0035	.0014	.0016	.0010
12	.067	.0039	.0039	.0010	.0020	.0013
13	.072	.0032	.0032	.0011	.0013	.0008
14	.078	.0029	.0029	.0000	.0000	.0000
15	.083	.0022	.0022	.0011	.0013	.0009
16	.089	.0025	.0025	.0014	.0016	.0009
17	.094	.0134	.0134	.0113	.0193	.0097
18	.100	.0042	.0042	.0021	.0048	.0042
19	.106	.0060	.0060	.0019	.0060	.0039
20	.111	.0240	.0240	.0219	.0390	.0161
21	.117	.0011	.0011	.0000	.0000	.0000
22	.122	.0177	.0177	.0156	.0280	.0120
23	.128	.0105	.0105	.0084	.0156	.0060
24	.133	.0060	.0060	.0042	.0084	.0030
25	.144	.0033	.0033	.0012	.0021	.0006
26	.150	.0015	.0015	.0004	.0009	.0005
27	.156	.0000	.0000	.0000	.0000	.0000
28	.161	.0060	.0060	.0039	.0084	.0030
29	.167	.0057	.0057	.0036	.0084	.0028
30	.172	.0047	.0047	.0036	.0084	.0028
31	.178	.0017	.0017	.0006	.0009	.0006
32	.183	.0044	.0044	.0027	.0048	.0028
33	.189	.0025	.0025	.0004	.0009	.0005
34	.194	.0195	.0195	.0174	.0311	.0120
35	.200	.0105	.0105	.0084	.0156	.0060
36	.206	.0123	.0123	.0102	.0179	.0060
37	.211	.0126	.0126	.0105	.0179	.0060
38	.217	.0080	.0080	.0057	.0121	.0042
39	.222	.0090	.0090	.0062	.0090	.0041
40	.228	.0055	.0055	.0036	.0048	.0020
41	.233	.0030	.0030	.0014	.0032	.0010
42	.239	.0026	.0026	.0007	.0016	.0007
43	.244	.0029	.0029	.0008	.0021	.0004
44	.250	.0033	.0033	.0010	.0025	.0005
45	.256	.0030	.0030	.0008	.0025	.0004
46	.261	.0025	.0025	.0006	.0020	.0003
47	.267	.0027	.0027	.0006	.0024	.0003
48	.272	.0031	.0031	.0007	.0028	.0004
49	.278	.0029	.0029	.0006	.0028	.0004
50	.283	.0019	.0019	.0000	.0000	.0000
51	.289	.0014	.0014	.0000	.0000	.0000
52	.294	.0017	.0017	.0000	.0000	.0000
53	.300	.0020	.0020	.0000	.0000	.0000
54	.306	.0023	.0023	.0002	.0005	.0002
55	.311	.0028	.0028	.0005	.0005	.0003
56	.317	.0025	.0025	.0003	.0006	.0002
57	.322	.0019	.0019	.0000	.0000	.0000
58	.328	.0020	.0020	.0000	.0000	.0000
59	.333	.0024	.0022	.0001	.0002	.0001

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9
 AVERAGE = .0006+00
 6.37E-09 7.48E-02 1.00E-01 2.27E-01 2.79E-01 3.79E-01 4.40E-01 5.09E-01 6.23E-01 7.48E-01

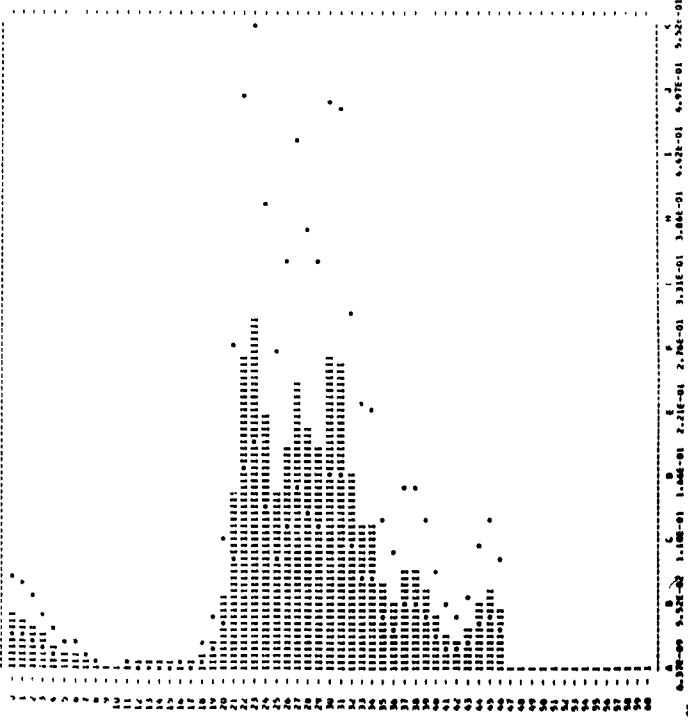


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/56 AV. T = 6.2 RECORD = JMC002
 HOUR = 9 SIG.HGT. = 7.8 UPPER HGT. = 9.5
 TOTAL DF = 217 CORR. VAR. = 3.8 LOWER HGT. = 7.2
 NOISE LEVEL = .0014 WIND SPEED = 15

N	FRE. UNIT+FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0441	.0441	.0427	.0527	.0272
1	.006	.0412	.0412	.0398	.0398	.0253
2	.011	.0355	.0355	.0341	.0341	.0220
3	.017	.0287	.0287	.0273	.0273	.0181
4	.022	.0188	.0188	.0174	.0174	.0111
5	.028	.0145	.0145	.0131	.0131	.0089
6	.033	.0087	.0087	.0073	.0073	.0052
7	.039	.0059	.0059	.0045	.0045	.0039
8	.044	.0032	.0032	.0018	.0022	.0014
9	.050	.0020	.0020	.0000	.0000	.0000
10	.056	.0021	.0021	.0007	.0008	.0004
11	.061	.0032	.0032	.0018	.0020	.0013
12	.067	.0045	.0045	.0031	.0035	.0022
13	.072	.0044	.0044	.0030	.0034	.0022
14	.078	.0042	.0042	.0028	.0033	.0021
15	.083	.0043	.0043	.0029	.0035	.0025
16	.089	.0035	.0035	.0021	.0027	.0017
17	.094	.0036	.0036	.0022	.0029	.0019
18	.100	.0092	.0092	.0070	.0111	.0205
19	.106	.0172	.0172	.0158	.0200	.0062
20	.111	.0379	.0379	.0365	.0392	.0102
21	.117	.0076	.0076	.0062	.0063	.0047
22	.122	.0135	.0135	.0121	.0125	.0090
23	.128	.0181	.0181	.0167	.0174	.0107
24	.133	.0080	.0080	.0066	.0068	.0050
25	.139	.0018	.0018	.0002	.0005	.0003
26	.144	.0715	.0715	.0701	.0705	.0134
27	.150	.0043	.0043	.0029	.0047	.0028
28	.156	.0040	.0040	.0026	.0040	.0026
29	.161	.0535	.0535	.0521	.0524	.0095
30	.167	.0059	.0059	.0045	.0045	.0038
31	.172	.0086	.0086	.0072	.0072	.0050
32	.178	.0337	.0337	.0323	.0323	.0083
33	.183	.0226	.0226	.0210	.0220	.0077
34	.189	.0196	.0196	.0182	.0182	.0069
35	.194	.0107	.0107	.0093	.0099	.0065
36	.200	.0077	.0077	.0063	.0062	.0045
37	.206	.0088	.0088	.0070	.0070	.0054
38	.211	.0087	.0087	.0073	.0072	.0050
39	.217	.0066	.0066	.0052	.0054	.0047
40	.222	.0062	.0062	.0050	.0042	.0028
41	.228	.0027	.0027	.0016	.0020	.0013
42	.233	.0025	.0025	.0011	.0017	.0011
43	.239	.0026	.0026	.0013	.0015	.0011
44	.244	.0036	.0036	.0019	.0024	.0015
45	.250	.0037	.0037	.0019	.0024	.0015
46	.256	.0020	.0020	.0007	.0007	.0005
47	.261	.0021	.0020	.0006	.0006	.0004
48	.267	.0018	.0018	.0000	.0000	.0000
49	.272	.0019	.0019	.0000	.0000	.0000
50	.278	.0019	.0020	.0006	.0006	.0004
51	.283	.0024	.0021	.0007	.0007	.0004
52	.289	.0018	.0018	.0004	.0004	.0002
53	.294	.0013	.0013	.0000	.0000	.0000
54	.300	.0013	.0013	.0000	.0000	.0000
55	.306	.0014	.0013	.0000	.0000	.0000
56	.311	.0009	.0010	.0000	.0000	.0000
57	.317	.0009	.0010	.0000	.0000	.0000
58	.322	.0009	.0010	.0000	.0000	.0000
59	.328	.0019	.0019	.0000	.0000	.0000
60	.333	.0019	.0017	.0003	.0003	.0002

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 9
 AVERAGE = .0006+00
 6.37E-09 7.48E-02 1.00E-01 2.27E-01 2.79E-01 3.79E-01 4.40E-01 5.09E-01 6.23E-01 7.48E-01

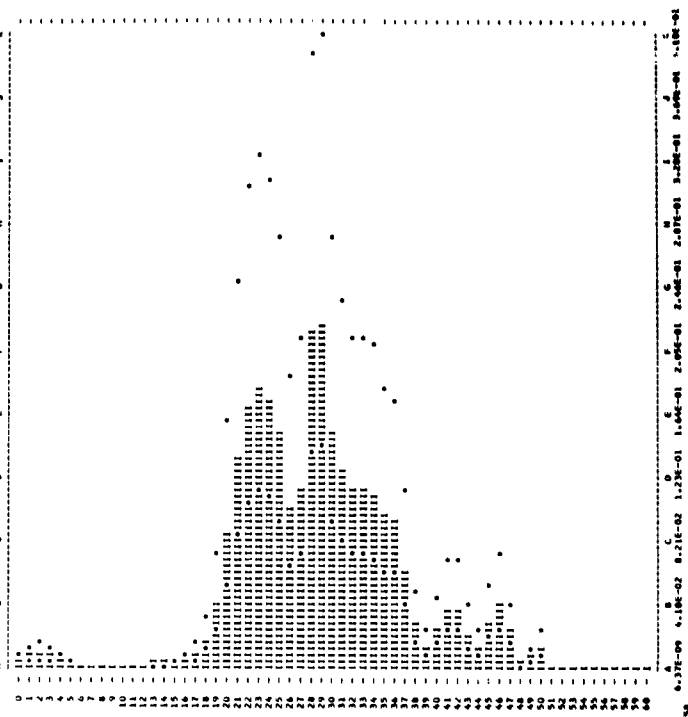


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/54 AV. T = 6.1 RECORD = JMC063
 HOUR = 14 SIG. HGT. = 6.7 UPPER HGT. = 7.3
 CORR. VAR. = 2.2 LOWER HGT. = 6.2
 TOTAL OF #216 NOISE LEVEL = .0016 WIND SPEED = 15

H	FRE.	UNIT	PT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0065	.0065	.0049	.0049	.0061	.0031	
1	.006	.0092	.0092	.0076	.0076	.0141	.0048	
2	.011	.0111	.0111	.0095	.0095	.0176	.0043	
3	.017	.0091	.0091	.0075	.0075	.0139	.0048	
4	.022	.0063	.0063	.0067	.0067	.0087	.0030	
5	.028	.0036	.0036	.0026	.0026	.0020	.0015	
6	.033	.0019	.0019	.0003	.0006	.0010	.0004	
7	.039	.0010	.0010	.0000	.0000	.0000	.0000	
8	.044	.0009	.0009	.0000	.0000	.0000	.0000	
9	.050	.0013	.0013	.0000	.0000	.0000	.0000	
10	.056	.0013	.0013	.0000	.0000	.0000	.0000	
11	.061	.0009	.0009	.0000	.0000	.0000	.0000	
12	.067	.0013	.0013	.0000	.0000	.0000	.0000	
13	.072	.0036	.0036	.0020	.0024	.0043	.0015	
14	.078	.0019	.0039	.0013	.0028	.0031	.0018	
15	.083	.0026	.0026	.0010	.0013	.0024	.0008	
16	.089	.0047	.0047	.0029	.0038	.0070	.0024	
17	.094	.0074	.0074	.0058	.0079	.0169	.0050	
18	.100	.0143	.0143	.0127	.0182	.0334	.0114	
19	.106	.0284	.0284	.0249	.0408	.0752	.0267	
20	.111	.0548	.0548	.0524	.0865	.1594	.0551	
21	.117	.0799	.0799	.0782	.1367	.2519	.0870	
22	.122	.0910	.0910	.0894	.1484	.3104	.1072	
23	.128	.0903	.0903	.0887	.1512	.3339	.1154	
24	.133	.0790	.0790	.0774	.1233	.3175	.1097	
25	.139	.0634	.0634	.0618	.1508	.2775	.0950	
26	.144	.0397	.0397	.0381	.1021	.1882	.0650	
27	.150	.0404	.0404	.0388	.1147	.2114	.0730	
28	.156	.0418	.0418	.0402	.1248	.2396	.0780	
29	.161	.0427	.0427	.0411	.1226	.2404	.0748	
30	.167	.0387	.0387	.0371	.1512	.2787	.0943	
31	.172	.0296	.0296	.0280	.1480	.2560	.0815	
32	.178	.0241	.0241	.0225	.1481	.2139	.0739	
33	.183	.0216	.0216	.0200	.1466	.2150	.0743	
34	.189	.0184	.0184	.0170	.1127	.2077	.0718	
35	.194	.0147	.0147	.0131	.0981	.1824	.0631	
36	.200	.0125	.0125	.0109	.0945	.1741	.0602	
37	.206	.0098	.0098	.0082	.0849	.1441	.0594	
38	.211	.0049	.0049	.0023	.0248	.0494	.0171	
39	.217	.0025	.0025	.0009	.0125	.0231	.0080	
40	.222	.0019	.0019	.0011	.0124	.0431	.0144	
41	.228	.0040	.0040	.0021	.0372	.0884	.0237	
42	.233	.0036	.0036	.0018	.0378	.0697	.0241	
43	.239	.0024	.0024	.0009	.0215	.0397	.0137	
44	.244	.0017	.0020	.0005	.0137	.0253	.0087	
45	.250	.0025	.0024	.0008	.0293	.0441	.0187	
46	.256	.0029	.0029	.0011	.0411	.0758	.0322	
47	.261	.0019	.0020	.0005	.0232	.0427	.0147	
48	.267	.0016	.0016	.0000	.0025	.0047	.0014	
49	.272	.0016	.0016	.0001	.0046	.0122	.0022	
50	.278	.0018	.0017	.0001	.0123	.0227	.0079	
51	.283	.0015	.0015	.0000	.0000	.0000	.0000	
52	.289	.0013	.0013	.0000	.0000	.0000	.0000	
53	.294	.0013	.0013	.0000	.0000	.0000	.0000	
54	.300	.0015	.0015	.0000	.0000	.0000	.0000	
55	.306	.0019	.0019	.0001	.0001	.0006	.0002	
56	.311	.0023	.0020	.0005	.0005	.0009	.0003	
57	.317	.0017	.0017	.0002	.0002	.0004	.0001	
58	.322	.0014	.0014	.0000	.0000	.0000	.0000	
59	.328	.0014	.0014	.0000	.0000	.0000	.0000	
60	.333	.0014	.0014	.0000	.0000	.0000	.0000	

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .0006+30
 6.7E-09 4.10E-02 8.2E-02 1.23E-01 1.64E-01 2.05E-01 2.46E-01 2.87E-01 3.28E-01 3.69E-01 4.10E-01

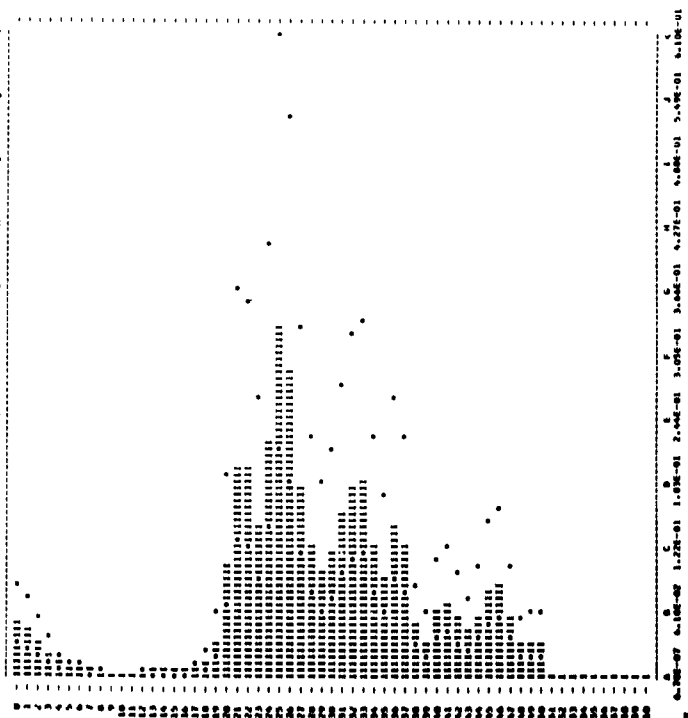


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 6/54 AV. T = 5.8 RECORD = JMC064
 HOUR = 18 SIG. HGT. = 7.9 UPPER HGT. = 8.5
 CORR. VAR. = 3.9 LOWER HGT. = 2.3
 TOTAL OF #247 NOISE LEVEL = .0014 WIND SPEED = 20

H	FRE.	UNIT	PT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0473	.0473	.0459	.0459	.0844	.0292	
1	.006	.0423	.0423	.0409	.0409	.0754	.0261	
2	.011	.0308	.0308	.0294	.0294	.0542	.0187	
3	.017	.0197	.0197	.0183	.0183	.0338	.0117	
4	.022	.014	.014	.0100	.0100	.0185	.0064	
5	.028	.0085	.0085	.0051	.0051	.0094	.0033	
6	.033	.0054	.0054	.0040	.0040	.0120	.0041	
7	.039	.0045	.0045	.0031	.0031	.0079	.0027	
8	.044	.0029	.0029	.0015	.0019	.0035	.0012	
9	.050	.0026	.0026	.0012	.0014	.0028	.0009	
10	.056	.0015	.0015	.0011	.0011	.0023	.0008	
11	.061	.0024	.0024	.0010	.0011	.0021	.0007	
12	.067	.0034	.0034	.0020	.0023	.0042	.0015	
13	.072	.0046	.0046	.0032	.0037	.0068	.0024	
14	.078	.0049	.0049	.0035	.0042	.0077	.0027	
15	.083	.0039	.0039	.0025	.0031	.0057	.0020	
16	.089	.0018	.0038	.0024	.0031	.0057	.0020	
17	.094	.0053	.0053	.0039	.0053	.0098	.0034	
18	.100	.0097	.0099	.0085	.0122	.0224	.0077	
19	.106	.0213	.0233	.0219	.0331	.0614	.0212	
20	.111	.0645	.0645	.0631	.1025	.1859	.0653	
21	.117	.1144	.1144	.1135	.1980	.3450	.1241	
22	.122	.1037	.1037	.1023	.1924	.3351	.1227	
23	.128	.0703	.0703	.0689	.1407	.2593	.0894	
24	.133	.1008	.1008	.0994	.2211	.4076	.1408	
25	.139	.1332	.1332	.1318	.3307	.6099	.2158	
26	.144	.1086	.1086	.1072	.2870	.5289	.1827	
27	.150	.0820	.0820	.0806	.1790	.3299	.1140	
28	.156	.0392	.0392	.0378	.1238	.2281	.0788	
29	.161	.0285	.0285	.0271	.0987	.1820	.0629	
30	.167	.0298	.0298	.0284	.1157	.2133	.0737	
31	.172	.0342	.0342	.0328	.1498	.2741	.0954	
32	.178	.0356	.0356	.0342	.1762	.3247	.1122	
33	.183	.0328	.0328	.0314	.1828	.3370	.1164	
34	.189	.0199	.0199	.0185	.1225	.2257	.0780	
35	.194	.0136	.0136	.0122	.0921	.1698	.0586	
36	.200	.0179	.0179	.0165	.1426	.2828	.0908	
37	.206	.0138	.0138	.0122	.1212	.2233	.0771	
38	.211	.0044	.0044	.0040	.0400	.0848	.0293	
39	.217	.0039	.0039	.0025	.0334	.0614	.0213	
40	.222	.0055	.0051	.0038	.0581	.1071	.0370	
41	.228	.0051	.0051	.0037	.0670	.1234	.0426	
42	.233	.0035	.0039	.0024	.0321	.0940	.0332	
43	.239	.0027	.0030	.0016	.0608	.0752	.0240	
44	.244	.0032	.0032	.0012	.0588	.1010	.0349	
45	.250	.0039	.0037	.0023	.0807	.1487	.0514	
46	.256	.0038	.0034	.0021	.0857	.1579	.0546	
47	.261	.0023	.0023	.0011	.0584	.1043	.0380	
48	.267	.0017	.0019	.0005	.0308	.0567	.0194	
49	.272	.0019	.0018	.0005	.0334	.0617	.0213	
50	.278	.0019	.0019	.0006	.0318	.0587	.0203	
51	.283	.0013	.0013	.0000	.0000	.0000	.0000	
52	.289	.0008	.0008	.0000	.0000	.0000	.0000	
53	.294	.0006	.0006	.0000	.0000	.0000	.0000	
54	.300	.0013	.0012	.0000	.0000	.0000	.0000	
55	.306	.0019	.0013	.0000	.0000	.0000	.0000	
56	.311	.0011	.0011	.0000	.0000	.0000	.0000	
57	.317	.0004	.0011	.0000	.0000	.0000	.0000	
58	.322	.0015	.0015	.0001	.0001	.0003	.0001	
59	.328	.0010	.0010	.0001	.0001	.0012	.0004	
60	.333	.0023	.0022	.0009	.0009	.0016	.0006	

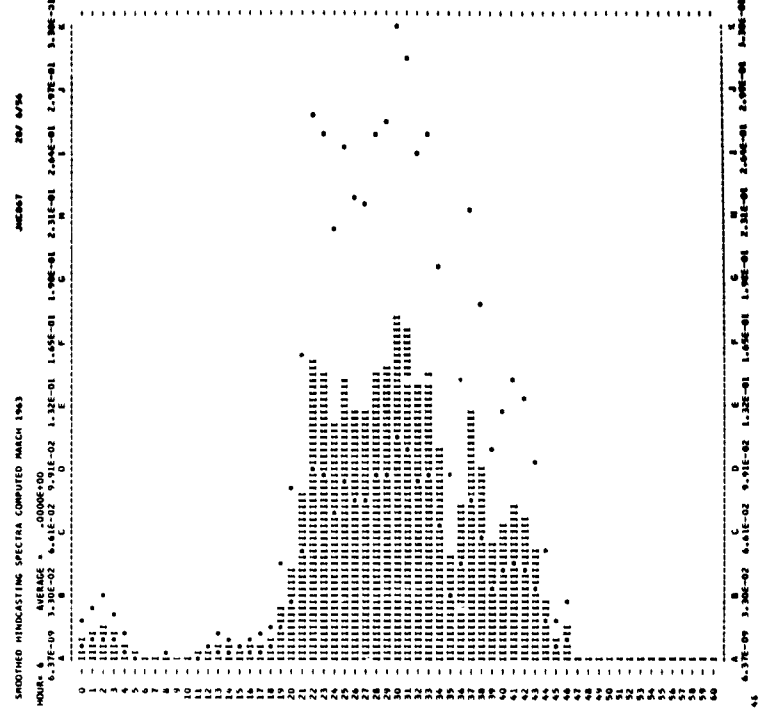
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .0006+30
 6.7E-09 4.10E-02 8.2E-02 1.23E-01 1.64E-01 2.05E-01 2.46E-01 2.87E-01 3.28E-01 3.69E-01 4.10E-01



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T = 5.9 RECORD = JMC067
 HOUR = 8 SIG. HGT. = 6.0 UPPER HGT. = 7.3
 TOTAL DF = 243 CORR. VAR. = 2.0 LOWER HGT. = 3.3
 NOISE LEVEL = .0022 WIND SPEED = 20

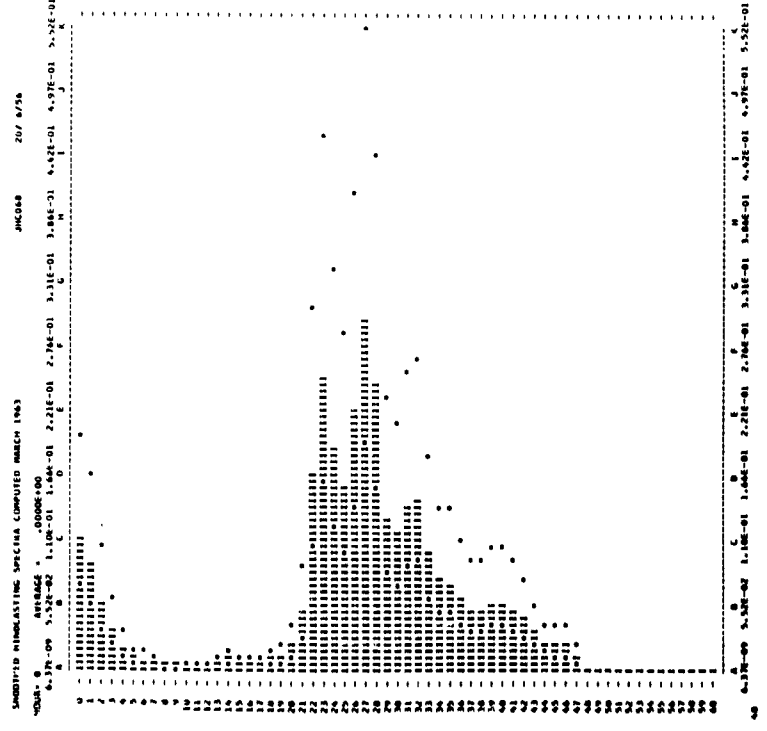
M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0139	.0139	.0113	.0113	.0209	.0072
1	.000	.0168	.0168	.0146	.0146	.0269	.0093
2	.011	.0194	.0194	.0172	.0172	.0317	.0110
3	.017	.0219	.0219	.0193	.0193	.0268	.0089
4	.022	.0240	.0240	.0208	.0208	.0226	.0065
5	.028	.0265	.0265	.0223	.0223	.0203	.0049
6	.033	.0287	.0287	.0240	.0240	.0218	.0040
7	.039	.0308	.0308	.0253	.0253	.0200	.0033
8	.044	.0320	.0320	.0268	.0268	.0219	.0036
9	.050	.0335	.0335	.0280	.0280	.0207	.0032
10	.056	.0352	.0352	.0293	.0293	.0201	.0028
11	.061	.0369	.0369	.0307	.0307	.0204	.0028
12	.067	.0381	.0381	.0323	.0323	.0202	.0028
13	.072	.0396	.0396	.0340	.0340	.0207	.0032
14	.078	.0407	.0407	.0350	.0350	.0210	.0032
15	.083	.0420	.0420	.0361	.0361	.0209	.0032
16	.088	.0435	.0435	.0373	.0373	.0212	.0032
17	.094	.0447	.0447	.0386	.0386	.0215	.0032
18	.100	.0461	.0461	.0399	.0399	.0217	.0030
19	.106	.0476	.0476	.0412	.0412	.0220	.0030
20	.111	.0491	.0491	.0426	.0426	.0223	.0030
21	.117	.0507	.0507	.0441	.0441	.0226	.0030
22	.122	.0524	.0524	.0457	.0457	.0229	.0030
23	.128	.0541	.0541	.0473	.0473	.0232	.0030
24	.133	.0558	.0558	.0490	.0490	.0235	.0030
25	.139	.0576	.0576	.0508	.0508	.0238	.0030
26	.144	.0594	.0594	.0526	.0526	.0241	.0030
27	.150	.0613	.0613	.0545	.0545	.0244	.0030
28	.156	.0633	.0633	.0565	.0565	.0247	.0030
29	.161	.0654	.0654	.0586	.0586	.0250	.0030
30	.167	.0676	.0676	.0608	.0608	.0253	.0030
31	.172	.0699	.0699	.0631	.0631	.0256	.0030
32	.178	.0723	.0723	.0656	.0656	.0259	.0030
33	.183	.0747	.0747	.0681	.0681	.0262	.0030
34	.188	.0772	.0772	.0707	.0707	.0265	.0030
35	.194	.0798	.0798	.0734	.0734	.0268	.0030
36	.200	.0825	.0825	.0762	.0762	.0271	.0030
37	.206	.0853	.0853	.0791	.0791	.0274	.0030
38	.211	.0882	.0882	.0821	.0821	.0277	.0030
39	.217	.0912	.0912	.0852	.0852	.0280	.0030
40	.222	.0943	.0943	.0884	.0884	.0283	.0030
41	.228	.0975	.0975	.0917	.0917	.0286	.0030
42	.233	.1008	.1008	.0951	.0951	.0289	.0030
43	.239	.1042	.1042	.0986	.0986	.0292	.0030
44	.244	.1077	.1077	.1022	.1022	.0295	.0030
45	.250	.1113	.1113	.1059	.1059	.0298	.0030
46	.256	.1150	.1150	.1097	.1097	.0301	.0030
47	.261	.1188	.1188	.1136	.1136	.0304	.0030
48	.267	.1227	.1227	.1176	.1176	.0307	.0030
49	.272	.1267	.1267	.1217	.1217	.0310	.0030
50	.278	.1308	.1308	.1259	.1259	.0313	.0030
51	.283	.1350	.1350	.1302	.1302	.0316	.0030
52	.289	.1393	.1393	.1346	.1346	.0319	.0030
53	.294	.1437	.1437	.1391	.1391	.0322	.0030
54	.300	.1482	.1482	.1437	.1437	.0325	.0030
55	.306	.1528	.1528	.1484	.1484	.0328	.0030
56	.311	.1575	.1575	.1532	.1532	.0331	.0030
57	.317	.1623	.1623	.1581	.1581	.0334	.0030
58	.322	.1672	.1672	.1631	.1631	.0337	.0030
59	.328	.1722	.1722	.1682	.1682	.0340	.0030
60	.333	.1773	.1773	.1734	.1734	.0343	.0030



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T = 6.4 RECORD = JMC068
 HOUR = 0 SIG. HGT. = 7.2 UPPER HGT. = 7.6
 TOTAL DF = 215 CORR. VAR. = 3.2 LOWER HGT. = 6.7
 NOISE LEVEL = .0010 WIND SPEED = 20

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1102	.1102	.1091	.1091	.2012	.0695
1	.006	.0403	.0403	.0392	.0392	.1445	.0568
2	.011	.0568	.0568	.0557	.0557	.1028	.0355
3	.017	.0730	.0730	.0719	.0720	.0589	.0203
4	.022	.0894	.0894	.0883	.0884	.0412	.0107
5	.028	.0998	.0998	.0987	.0987	.0311	.0056
6	.033	.0957	.0957	.0946	.0946	.0218	.0048
7	.039	.0904	.0904	.0893	.0894	.0125	.0040
8	.044	.0836	.0836	.0825	.0825	.0032	.0020
9	.050	.0734	.0734	.0723	.0724	.0021	.0018
10	.056	.0614	.0614	.0603	.0604	.0010	.0017
11	.061	.0478	.0478	.0467	.0468	.0009	.0013
12	.067	.0333	.0333	.0322	.0323	.0007	.0016
13	.072	.0188	.0188	.0177	.0178	.0005	.0016
14	.078	.0088	.0088	.0077	.0078	.0002	.0010
15	.083	.0049	.0049	.0038	.0039	.0001	.0006
16	.088	.0027	.0027	.0016	.0017	.0000	.0006
17	.094	.0012	.0012	.0001	.0002	.0000	.0004
18	.100	.0001	.0001	.0000	.0000	.0000	.0005
19	.106	.0004	.0004	.0003	.0003	.0001	.0001
20	.111	.0137	.0137	.0126	.0126	.0005	.0001
21	.117	.0283	.0283	.0272	.0272	.0006	.0003
22	.122	.0499	.0499	.0488	.0488	.0007	.0005
23	.128	.0735	.0735	.0724	.0724	.0008	.0005
24	.133	.0989	.0989	.0978	.0978	.0009	.0005
25	.139	.1254	.1254	.1243	.1243	.0010	.0005
26	.144	.1528	.1528	.1517	.1517	.0011	.0005
27	.150	.1809	.1809	.1798	.1798	.0012	.0005
28	.156	.2088	.2088	.2077	.2077	.0013	.0005
29	.161	.2365	.2365	.2354	.2354	.0014	.0005
30	.167	.2640	.2640	.2629	.2629	.0015	.0005
31	.172	.2913	.2913	.2902	.2902	.0016	.0005
32	.178	.3184	.3184	.3173	.3173	.0017	.0005
33	.183	.3453	.3453	.3442	.3442	.0018	.0005
34	.188	.3720	.3720	.3709	.3709	.0019	.0005
35	.194	.3986	.3986	.3975	.3975	.0020	.0005
36	.200	.4251	.4251	.4240	.4240	.0021	.0005
37	.206	.4514	.4514	.4503	.4503	.0022	.0005
38	.211	.4776	.4776	.4765	.4765	.0023	.0005
39	.217	.5037	.5037	.5026	.5026	.0024	.0005
40	.222	.5297	.5297	.5286	.5286	.0025	.0005
41	.228	.5556	.5556	.5545	.5545	.0026	.0005
42	.233	.5814	.5814	.5803	.5803	.0027	.0005
43	.239	.6071	.6071	.6060	.6060	.0028	.0005
44	.244	.6327	.6327	.6316	.6316	.0029	.0005
45	.250	.6582	.6582	.6571	.6571	.0030	.0005
46	.256	.6836	.6836	.6825	.6825	.0031	.0005
47	.261	.7089	.7089	.7078	.7078	.0032	.0005
48	.267	.7341	.7341	.7330	.7330	.0033	.0005
49	.272	.7592	.7592	.7581	.7581	.0034	.0005
50	.278	.7842	.7842	.7831	.7831	.0035	.0005
51	.283	.8091	.8091	.8080	.8080	.0036	.0005
52	.289	.8339	.8339	.8328	.8328	.0037	.0005
53	.294	.8586	.8586	.8575	.8575	.0038	.0005
54	.300	.8832	.8832	.8821	.8821	.0039	.0005
55	.306	.9077	.9077	.9066	.9066	.0040	.0005
56	.311	.9321	.9321	.9310	.9310	.0041	.0005
57	.317	.9564	.9564	.9553	.9553	.0042	.0005
58	.322	.9806	.9806	.9795	.9795	.0043	.0005
59	.328	.1000	.1000	.0989	.0989	.0044	.0005
60	.333	.0005	.0005	.0000	.0000	.0045	.0005

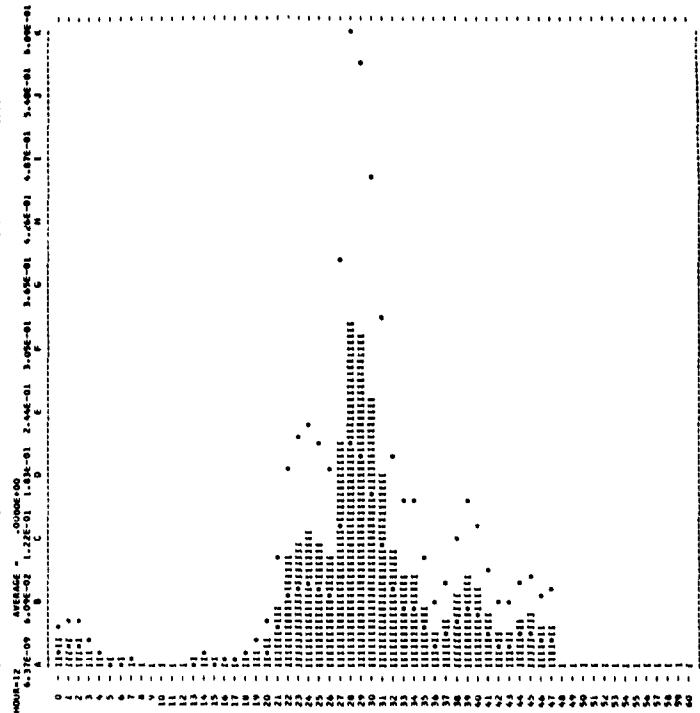


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T = 5.0 RECORD = JMC649
 HOUR = 12 SIG.MGT. = 6.9 UPPER HGT. = 7.5
 TOTAL DP = 100 CORR. FAN. = 3.0 LOWER HGT. = 0.4
 NOISE LEVEL = .0009 WIND SPEED = 26

H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0224	.0219	.0219	.0396	.0137
1	.000	.0251	.0242	.0242	.0443	.0156
2	.011	.0292	.0289	.0289	.0482	.0153
3	.017	.0194	.0194	.0194	.0267	.0092
4	.022	.0067	.0067	.0060	.0160	.0021
5	.022	.0060	.0060	.0060	.0097	.0020
6	.033	.0030	.0030	.0033	.0062	.0021
7	.039	.0029	.0029	.0022	.0040	.0014
8	.044	.0021	.0021	.0015	.0027	.0009
9	.050	.0016	.0016	.0007	.0008	.0013
10	.056	.0010	.0010	.0001	.0001	.0001
11	.061	.0008	.0008	.0000	.0000	.0000
12	.067	.0013	.0013	.0004	.0004	.0003
13	.072	.0020	.0020	.0009	.0009	.0001
14	.078	.0040	.0040	.0051	.0040	.0111
15	.083	.0044	.0044	.0035	.0043	.0079
16	.089	.0023	.0023	.0014	.0018	.0032
17	.094	.0026	.0026	.0017	.0023	.0042
18	.100	.0060	.0060	.0081	.0072	.0133
19	.106	.0106	.0106	.0095	.0146	.0235
20	.111	.0152	.0152	.0143	.0232	.0427
21	.117	.0320	.0320	.0319	.0596	.1029
22	.122	.0549	.0549	.0540	.1016	.1873
23	.128	.0580	.0580	.0579	.1161	.2176
24	.133	.0579	.0579	.0570	.1267	.2396
25	.139	.0485	.0485	.0476	.1188	.2138
26	.144	.0391	.0391	.0382	.1022	.1883
27	.150	.0730	.0730	.0721	.2128	.3922
28	.156	.1019	.1019	.1010	.3304	.6090
29	.161	.0871	.0871	.0862	.3130	.5783
30	.167	.0636	.0636	.0627	.2552	.4703
31	.172	.0406	.0406	.0397	.1811	.3336
32	.178	.0224	.0224	.0215	.1105	.2038
33	.183	.0159	.0159	.0150	.0871	.1606
34	.189	.0130	.0130	.0121	.0815	.1548
35	.194	.0082	.0082	.0073	.0548	.1010
36	.200	.0046	.0046	.0037	.0317	.0584
37	.206	.0023	.0023	.0014	.0413	.0799
38	.211	.0067	.0067	.0058	.0640	.1217
39	.217	.0079	.0079	.0068	.0872	.1607
40	.224	.0099	.0099	.0087	.0717	.1348
41	.228	.0034	.0037	.0028	.0503	.0928
42	.233	.0022	.0025	.0015	.0326	.0601
43	.239	.0021	.0021	.0013	.0318	.0604
44	.244	.0024	.0024	.0015	.0439	.0809
45	.250	.0024	.0022	.0013	.0459	.0847
46	.256	.0016	.0016	.0010	.0340	.0646
47	.261	.0015	.0017	.0008	.0382	.0703
48	.267	.0022	.0020	.0011	.0011	.0020
49	.272	.0022	.0022	.0010	.0010	.0019
50	.278	.0013	.0013	.0005	.0005	.0010
51	.283	.0011	.0011	.0002	.0002	.0003
52	.289	.0009	.0009	.0000	.0000	.0000
53	.294	.0007	.0008	.0000	.0000	.0000
54	.300	.0008	.0008	.0000	.0000	.0000
55	.306	.0009	.0009	.0000	.0000	.0000
56	.311	.0009	.0009	.0000	.0000	.0000
57	.317	.0010	.0009	.0000	.0000	.0000
58	.322	.0008	.0009	.0000	.0000	.0000
59	.328	.0010	.0010	.0001	.0001	.0000
60	.333	.0012	.0011	.0002	.0002	.0001

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

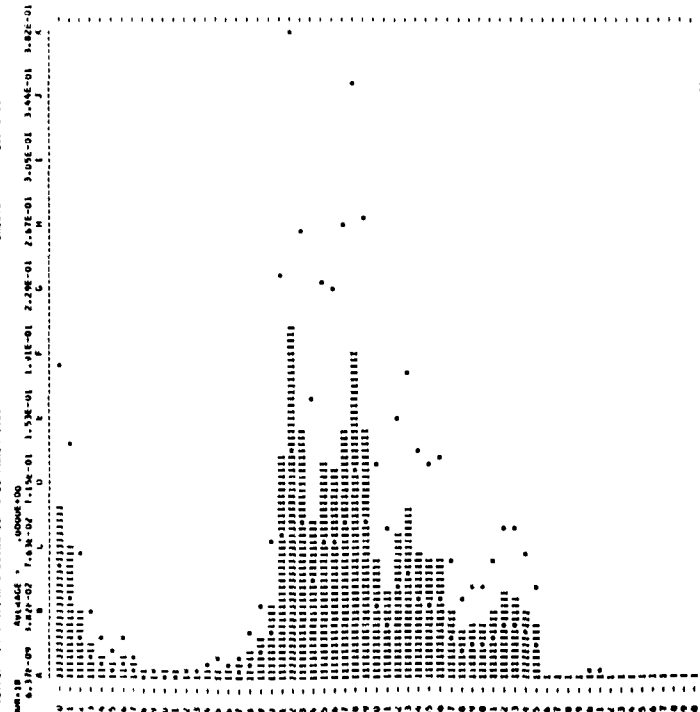


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 6/56 AV. T = 6.4 RECORD = JMC670
 HOUR = 18 SIG.MGT. = 8.4 UPPER HGT. = 8.8
 TOTAL DP = 236 CORR. FAN. = 2.5 LOWER HGT. = 5.0
 NOISE LEVEL = .0028 WIND SPEED = 15

H	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1024	.1024	.0996	.0996	.1836
1	.006	.0776	.0776	.0768	.0768	.1379
2	.011	.0415	.0415	.0387	.0387	.0713
3	.017	.0237	.0237	.0209	.0209	.0385
4	.022	.0143	.0143	.0115	.0115	.0212
5	.028	.0113	.0113	.0085	.0085	.0157
6	.033	.0100	.0100	.0072	.0118	.0214
7	.039	.0071	.0071	.0059	.0109	.0070
8	.044	.0049	.0049	.0021	.0024	.0048
9	.050	.0041	.0041	.0013	.0013	.0028
10	.056	.0045	.0045	.0007	.0019	.0012
11	.061	.0050	.0050	.0022	.0025	.0046
12	.067	.0043	.0043	.0015	.0017	.0031
13	.072	.0041	.0041	.0013	.0015	.0028
14	.078	.0038	.0038	.0010	.0016	.0023
15	.083	.0031	.0031	.0003	.0003	.0007
16	.089	.0025	.0025	.0007	.0008	.0030
17	.094	.0022	.0022	.0004	.0009	.0109
18	.100	.0111	.0111	.0103	.0147	.0271
19	.106	.0184	.0184	.0178	.0237	.0437
20	.111	.0241	.0241	.0233	.0427	.0787
21	.117	.0370	.0370	.0362	.0594	.0824
22	.122	.0528	.0528	.0520	.0711	.1319
23	.128	.0732	.0732	.0704	.0937	.1649
24	.133	.0432	.0432	.0404	.0899	.1696
25	.139	.0264	.0264	.0236	.0594	.0900
26	.144	.0430	.0430	.0402	.0930	.1279
27	.150	.0518	.0518	.0490	.1447	.2666
28	.156	.0601	.0601	.0581	.1901	.3904
29	.161	.0429	.0429	.0401	.0480	.2691
30	.167	.0197	.0197	.0169	.0688	.1288
31	.172	.0133	.0133	.0105	.0478	.0883
32	.178	.0189	.0189	.0161	.0374	.1328
33	.183	.0197	.0197	.0169	.0993	.1812
34	.189	.0137	.0137	.0109	.0721	.1328
35	.194	.0119	.0119	.0091	.0626	.1244
36	.200	.0104	.0104	.0076	.0699	.1289
37	.206	.0065	.0065	.0037	.0387	.0876
38	.211	.0049	.0049	.0022	.0272	.0484
39	.217	.0037	.0037	.0022	.0292	.0537
40	.224	.0045	.0045	.0029	.0247	.0547
41	.228	.0049	.0049	.0021	.0387	.0705
42	.233	.0045	.0045	.0027	.0485	.0898
43	.239	.0047	.0047	.0029	.0504	.0914
44	.244	.0046	.0046	.0021	.0376	.0724
45	.250	.0039	.0039	.0028	.0245	.0546
46	.256	.0029	.0029	.0020	.0000	.0000
47	.261	.0014	.0014	.0000	.0000	.0000
48	.267	.0019	.0022	.0000	.0000	.0000
49	.272	.0037	.0038	.0000	.0000	.0000
50	.278	.0045	.0043	.0015	.0015	.0027
51	.283	.0048	.0048	.0015	.0015	.0028
52	.289	.0038	.0038	.0008	.0008	.0015
53	.294	.0024	.0024	.0000	.0000	.0000
54	.300	.0014	.0018	.0000	.0000	.0000
55	.306	.0020	.0022	.0000	.0000	.0000
56	.311	.0035	.0035	.0000	.0000	.0000
57	.317	.0047	.0048	.0014	.0014	.0011
58	.322	.0033	.0031	.0003	.0003	.0002
59	.328	.0018	.0020	.0000	.0000	.0000
60	.333	.0016	.0014	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

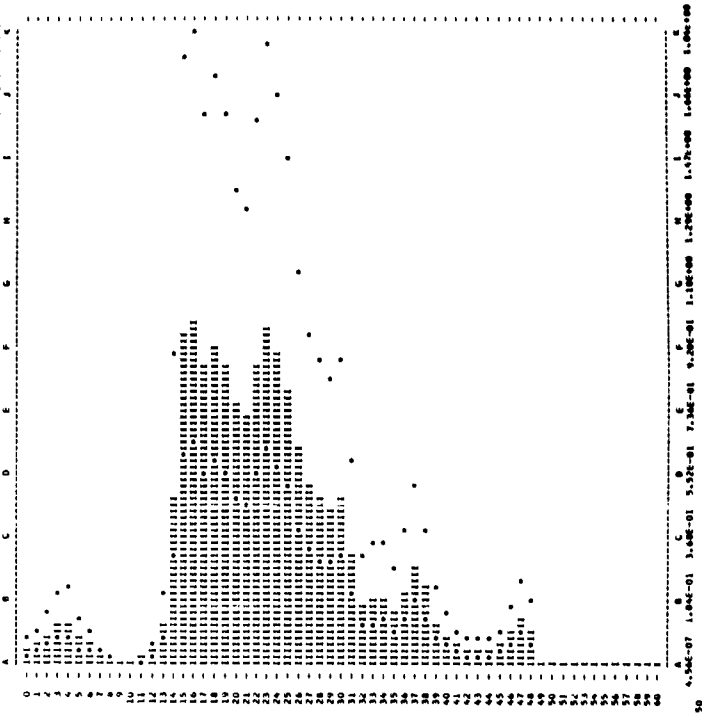


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 5/56 AV. T = 7.4 RECORD = JMC071
 HOUR = 12 SIG.MGT. = 15.9 UPPER MGT. = 17.1
 TOTAL DF = 237 CORR. VAR. = 15.8 LOWER MGT. = 14.8
 NOISE LEVEL = .0036 WIND SPEED = 25

M	FRE. UNIT=FT.Z	FILTERED	NOISE	CORR.FT.Z	UPPER	LOWER
0	.000	.0420	.0384	.0384	.0708	.0248
1	.006	.0548	.0512	.0512	.0944	.0328
2	.011	.0810	.0776	.0776	.1427	.0493
3	.017	.1178	.1144	.1144	.2102	.0727
4	.022	.1521	.1487	.1487	.2884	.1095
5	.028	.1923	.1889	.1889	.3776	.1547
6	.033	.2385	.2351	.2351	.4788	.2136
7	.039	.2917	.2883	.2883	.5936	.2919
8	.044	.3519	.3485	.3485	.7236	.3861
9	.050	.4191	.4157	.4157	.8696	.5019
10	.056	.4943	.4909	.4909	.10320	.6435
11	.061	.5765	.5731	.5731	.12888	.8169
12	.067	.6667	.6633	.6633	.15744	.10258
13	.072	.7649	.7615	.7615	.18984	.13320
14	.078	.8721	.8687	.8687	.22608	.16992
15	.083	.9883	.9849	.9849	.26616	.21376
16	.089	.11145	.11111	.11111	.31008	.26496
17	.094	.12667	.12633	.12633	.35784	.32352
18	.100	.14409	.14375	.14375	.40944	.38928
19	.106	.16371	.16337	.16337	.46488	.46224
20	.111	.18553	.18519	.18519	.52416	.54264
21	.117	.20965	.20931	.20931	.58736	.63072
22	.122	.23607	.23573	.23573	.65448	.72672
23	.128	.26479	.26445	.26445	.72552	.83136
24	.133	.29581	.29547	.29547	.80056	.94560
25	.139	.32913	.32879	.32879	.87960	.10776
26	.144	.36475	.36441	.36441	.96264	.13896
27	.150	.40257	.40223	.40223	.104976	.18024
28	.156	.44269	.44235	.44235	.119712	.23264
29	.161	.48511	.48477	.48477	.136848	.29712
30	.167	.52983	.52949	.52949	.156384	.37456
31	.172	.57695	.57661	.57661	.178432	.46592
32	.178	.62647	.62613	.62613	.203008	.57120
33	.183	.67839	.67805	.67805	.229200	.69144
34	.189	.73271	.73237	.73237	.257008	.82768
35	.194	.78943	.78909	.78909	.286432	.98088
36	.200	.84855	.84821	.84821	.317472	.115200
37	.206	.91007	.90973	.90973	.350128	.140640
38	.211	.97409	.97375	.97375	.384400	.167280
39	.217	.104051	.104017	.104017	.420384	.205200
40	.222	.114453	.114419	.114419	.458080	.254400
41	.228	.125305	.125271	.125271	.497488	.315840
42	.233	.136607	.136573	.136573	.538608	.389440
43	.239	.148459	.148425	.148425	.581440	.475200
44	.244	.160861	.160827	.160827	.626000	.573120
45	.250	.173813	.173779	.173779	.672288	.683280
46	.256	.187315	.187281	.187281	.720304	.805680
47	.261	.201367	.201333	.201333	.770048	.940320
48	.267	.215969	.215935	.215935	.821520	.108960
49	.272	.231121	.231087	.231087	.874736	.141600
50	.278	.246823	.246789	.246789	.929700	.178320
51	.283	.263075	.263041	.263041	.986400	.229120
52	.289	.279877	.279843	.279843	.1044800	.294000
53	.294	.297229	.297195	.297195	.1139200	.374080
54	.300	.315131	.315097	.315097	.1247200	.469440
55	.306	.333583	.333549	.333549	.1368800	.580080
56	.311	.352585	.352551	.352551	.1504000	.706080
57	.317	.372137	.372103	.372103	.1652800	.847440
58	.322	.392239	.392205	.392205	.1815200	.1004800
59	.328	.412891	.412857	.412857	.1991200	.1207200
60	.333	.434193	.434159	.434159	.2180800	.1482400

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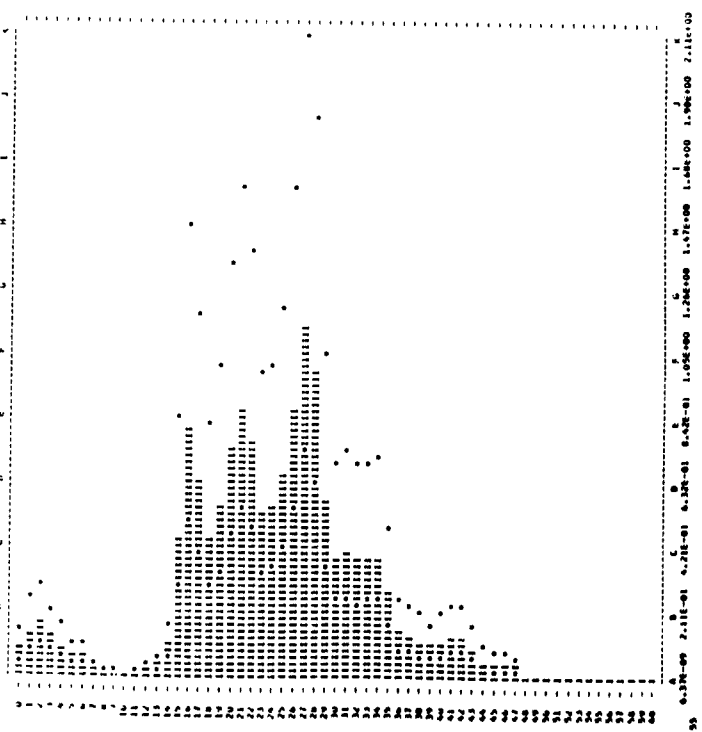


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 5/56 AV. T = 7.0 RECORD = JMC072
 HOUR = 18 SIG.MGT. = 15.4 UPPER MGT. = 16.3
 TOTAL DF = 241 CORR. VAR. = 14.7 LOWER MGT. = 14.3
 NOISE LEVEL = .0040 WIND SPEED = 40

M	FRE. UNIT=FT.Z	FILTERED	NOISE	CORR.FT.Z	UPPER	LOWER
0	.000	.0795	.0755	.0755	.1392	.0481
1	.006	.1361	.1321	.1321	.2435	.0841
2	.011	.1829	.1789	.1789	.3929	.1312
3	.017	.2410	.2370	.2370	.5157	.1945
4	.022	.3098	.3058	.3058	.6800	.2553
5	.028	.3897	.3857	.3857	.8637	.3342
6	.033	.4806	.4766	.4766	.10704	.4337
7	.039	.5835	.5795	.5795	.13808	.5544
8	.044	.6985	.6945	.6945	.17808	.6976
9	.050	.8265	.8225	.8225	.22800	.8640
10	.056	.9685	.9645	.9645	.28992	.10464
11	.061	.11245	.11205	.11205	.36384	.13632
12	.067	.12985	.12945	.12945	.45072	.17808
13	.072	.14885	.14845	.14845	.55168	.23232
14	.078	.16945	.16905	.16905	.66672	.29952
15	.083	.19165	.19125	.19125	.79600	.38064
16	.089	.21545	.21505	.21505	.94048	.48576
17	.094	.24085	.24045	.24045	.11000	.60588
18	.100	.26785	.26745	.26745	.12768	.74112
19	.106	.29645	.29605	.29605	.14760	.89256
20	.111	.32665	.32625	.32625	.16976	.10608
21	.117	.35845	.35805	.35805	.19408	.13152
22	.122	.39185	.39145	.39145	.22064	.15904
23	.128	.42685	.42645	.42645	.24944	.18864
24	.133	.46345	.46305	.46305	.28056	.23040
25	.139	.50165	.50125	.50125	.31400	.28432
26	.144	.54145	.54105	.54105	.35088	.35040
27	.150	.58285	.58245	.58245	.39120	.42864
28	.156	.62585	.62545	.62545	.43504	.51912
29	.161	.67045	.67005	.67005	.48240	.62256
30	.167	.71665	.71625	.71625	.53328	.73992
31	.172	.76445	.76405	.76405	.58768	.87120
32	.178	.81385	.81345	.81345	.64560	.10176
33	.183	.86485	.86445	.86445	.70704	.13488
34	.189	.91745	.91705	.91705	.77200	.17056
35	.194	.97165	.97125	.97125	.84048	.21888
36	.200	.102765	.102725	.102725	.91248	.27000
37	.206	.104065	.104025	.104025	.98800	.32400
38	.211	.105465	.105425	.105425	.106704	.39072
39	.217	.106965	.106925	.106925	.116704	.46008
40	.222	.108565	.108525	.108525	.127008	.53208
41	.228	.110265	.110225	.110225	.138608	.60672
42	.233	.112065	.112025	.112025	.150504	.69408
43	.239	.113965	.113925	.113925	.162800	.79416
44	.244	.115965	.115925	.115925	.175504	.90704
45	.250	.118065	.118025	.118025	.188608	.10336
46	.256	.120265	.120225	.120225	.202104	.12288
47	.261	.122565	.122525	.122525	.216000	.14448
48	.267	.124965	.124925	.124925	.230304	.16824
49	.272	.127465	.127425	.127425	.245008	.19416
50	.278	.130065	.130025	.130025	.260112	.22224
51	.283	.132765	.132725	.132725	.275616	.25248
52	.289	.135565	.135525	.135525	.291520	.28488
53	.294	.138465	.138425	.138425	.307824	.31944
54	.300	.141465	.141425	.141425	.324528	.35616
55	.306	.144565	.144525	.144525	.341632	.39504
56	.311	.147765	.147725	.147725	.359136	.43608
57	.317	.151065	.151025	.151025	.377040	.47928
58	.322	.154465	.154425	.154425	.395344	.52464
59	.328	.157965	.157925	.157925	.414048	.57208
60	.333	.161565	.161525	.161525	.433152	.62160

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
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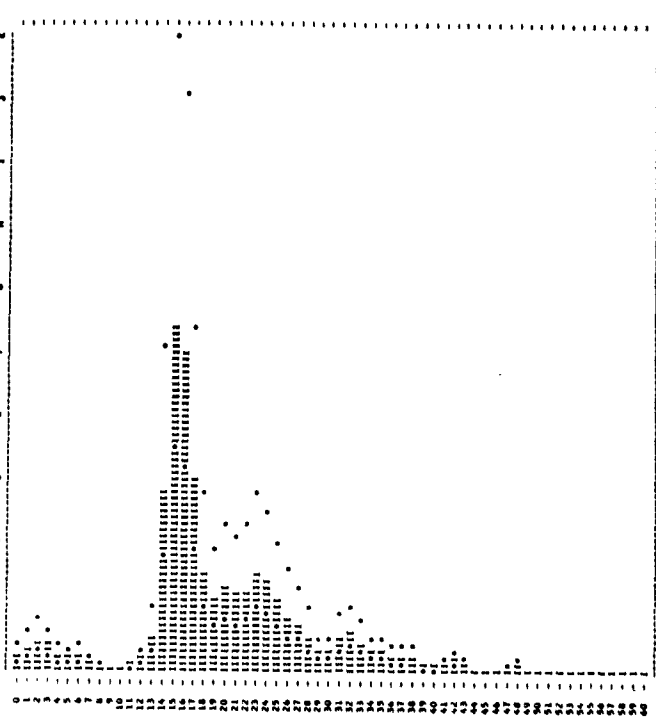


SHOOTING HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 9/56 AV. T = 0.7 RECORD = JMC073
 HOUR = 3 SIG.MGT. = 23.0 UPPER MGT. = 26.2
 TOTAL OF =161 CORR. VAL. = 30.1 LOWER MGT. = 21.6
 NOISE LEVEL = .0104 WIND SPEED = 45

H	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.2473	.2473	.2380	.2369	.2367
1	.000	.3500	.3500	.3500	.3500	.3500
2	.011	.4400	.4400	.4301	.4301	.4300
3	.017	.5400	.5400	.5301	.5301	.5300
4	.022	.6437	.6437	.6333	.6333	.6332
5	.025	.7500	.7500	.7396	.7396	.7395
6	.033	.8500	.8500	.8396	.8396	.8395
7	.039	.9500	.9500	.9396	.9396	.9395
8	.046	1.0514	1.0514	1.0410	1.0410	1.0409
9	.050	1.1500	1.1500	1.1396	1.1396	1.1395
10	.056	1.2500	1.2500	1.2396	1.2396	1.2395
11	.061	1.3507	1.3507	1.3403	1.3403	1.3402
12	.067	1.4500	1.4500	1.4396	1.4396	1.4395
13	.072	1.5477	1.5477	1.5373	1.5373	1.5372
14	.078	1.6417	1.6417	1.6313	1.6313	1.6312
15	.083	1.7400	1.7400	1.7296	1.7296	1.7295
16	.089	1.8372	1.8372	1.8268	1.8268	1.8267
17	.094	1.9312	1.9312	1.9208	1.9208	1.9207
18	.100	2.0200	2.0200	2.0096	2.0096	2.0095
19	.106	2.1100	2.1100	2.0996	2.0996	2.0995
20	.111	2.2000	2.2000	2.1896	2.1896	2.1895
21	.117	2.2900	2.2900	2.2796	2.2796	2.2795
22	.122	2.3800	2.3800	2.3696	2.3696	2.3695
23	.128	2.4700	2.4700	2.4596	2.4596	2.4595
24	.133	2.5600	2.5600	2.5496	2.5496	2.5495
25	.139	2.6500	2.6500	2.6396	2.6396	2.6395
26	.144	2.7400	2.7400	2.7296	2.7296	2.7295
27	.150	2.8300	2.8300	2.8196	2.8196	2.8195
28	.156	2.9200	2.9200	2.9096	2.9096	2.9095
29	.161	3.0100	3.0100	2.9996	2.9996	2.9995
30	.167	3.1000	3.1000	3.0896	3.0896	3.0895
31	.172	3.1900	3.1900	3.1796	3.1796	3.1795
32	.178	3.2800	3.2800	3.2696	3.2696	3.2695
33	.183	3.3700	3.3700	3.3596	3.3596	3.3595
34	.189	3.4600	3.4600	3.4496	3.4496	3.4495
35	.194	3.5500	3.5500	3.5396	3.5396	3.5395
36	.200	3.6400	3.6400	3.6296	3.6296	3.6295
37	.206	3.7300	3.7300	3.7196	3.7196	3.7195
38	.211	3.8200	3.8200	3.8096	3.8096	3.8095
39	.217	3.9100	3.9100	3.8996	3.8996	3.8995
40	.222	4.0000	4.0000	3.9896	3.9896	3.9895
41	.228	4.0900	4.0900	4.0796	4.0796	4.0795
42	.233	4.1800	4.1800	4.1696	4.1696	4.1695
43	.239	4.2700	4.2700	4.2596	4.2596	4.2595
44	.244	4.3600	4.3600	4.3496	4.3496	4.3495
45	.250	4.4500	4.4500	4.4396	4.4396	4.4395
46	.256	4.5400	4.5400	4.5296	4.5296	4.5295
47	.261	4.6300	4.6300	4.6196	4.6196	4.6195
48	.267	4.7200	4.7200	4.7096	4.7096	4.7095
49	.272	4.8100	4.8100	4.7996	4.7996	4.7995
50	.278	4.9000	4.9000	4.8896	4.8896	4.8895
51	.283	4.9900	4.9900	4.9796	4.9796	4.9795
52	.289	5.0800	5.0800	5.0696	5.0696	5.0695
53	.294	5.1700	5.1700	5.1596	5.1596	5.1595
54	.300	5.2600	5.2600	5.2496	5.2496	5.2495
55	.306	5.3500	5.3500	5.3396	5.3396	5.3395
56	.311	5.4400	5.4400	5.4296	5.4296	5.4295
57	.317	5.5300	5.5300	5.5196	5.5196	5.5195
58	.322	5.6200	5.6200	5.6096	5.6096	5.6095
59	.328	5.7100	5.7100	5.6996	5.6996	5.6995
60	.333	5.8000	5.8000	5.7896	5.7896	5.7895

SHOOTING HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0
 AVERAGE = 1.01E+00
 0.37E+00 1.01E+00 2.01E+00 3.01E+00 4.01E+00 5.01E+00 6.01E+00 7.01E+00 8.01E+00 9.01E+00
 10.01E+00 11.01E+00 12.01E+00 13.01E+00 14.01E+00 15.01E+00 16.01E+00 17.01E+00 18.01E+00 19.01E+00
 20.01E+00 21.01E+00 22.01E+00 23.01E+00 24.01E+00 25.01E+00 26.01E+00 27.01E+00 28.01E+00 29.01E+00
 30.01E+00 31.01E+00 32.01E+00 33.01E+00 34.01E+00 35.01E+00 36.01E+00 37.01E+00 38.01E+00 39.01E+00
 40.01E+00 41.01E+00 42.01E+00 43.01E+00 44.01E+00 45.01E+00 46.01E+00 47.01E+00 48.01E+00 49.01E+00
 50.01E+00 51.01E+00 52.01E+00 53.01E+00 54.01E+00 55.01E+00 56.01E+00 57.01E+00 58.01E+00 59.01E+00
 60.01E+00



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/ 9/56 AV. T = 7.9 RECORD = JMC074
 HOUR = 3 SIG.MGT. = 33.3 UPPER MGT. = 36.6
 TOTAL OF =150 CORR. VAL. = 49.4 LOWER MGT. = 30.3
 NOISE LEVEL = .0151 WIND SPEED = 40

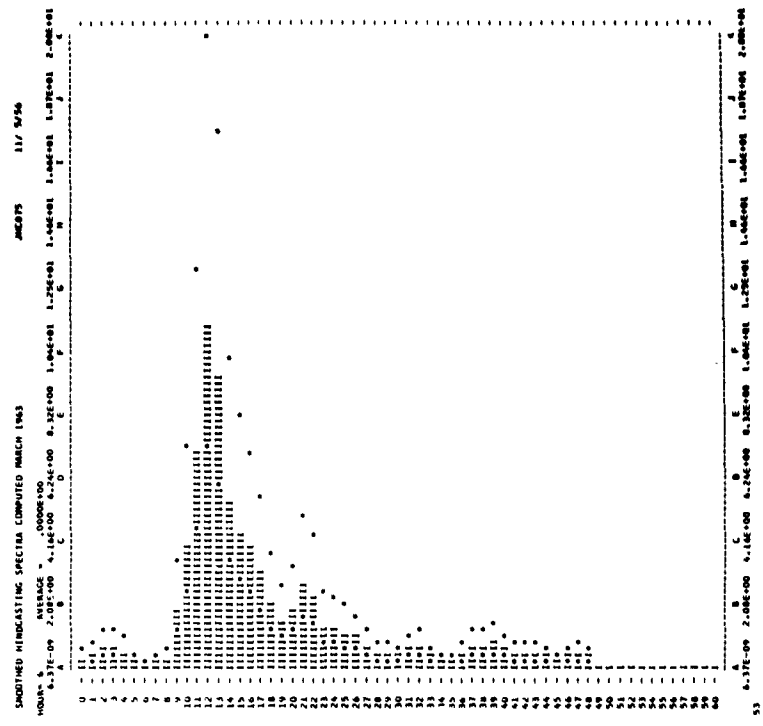
H	FREQ. UNIT-FT.2	FILTERED	-NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.2985	.2985	.2833	.2833	.2822
1	.006	.4001	.4001	.3849	.3849	.3838
2	.011	.5122	.5122	.4971	.4971	.4960
3	.017	.6331	.6331	.6180	.6180	.6169
4	.022	.7600	.7600	.7449	.7449	.7438
5	.028	.8900	.8900	.8749	.8749	.8738
6	.033	1.0200	1.0200	1.0049	1.0049	1.0038
7	.039	1.1500	1.1500	1.1349	1.1349	1.1338
8	.044	1.2800	1.2800	1.2649	1.2649	1.2638
9	.050	1.4100	1.4100	1.3949	1.3949	1.3938
10	.056	1.5400	1.5400	1.5249	1.5249	1.5238
11	.061	1.6700	1.6700	1.6549	1.6549	1.6538
12	.067	1.8000	1.8000	1.7849	1.7849	1.7838
13	.072	1.9300	1.9300	1.9149	1.9149	1.9138
14	.078	2.0600	2.0600	2.0449	2.0449	2.0438
15	.083	2.1900	2.1900	2.1749	2.1749	2.1738
16	.089	2.3200	2.3200	2.3049	2.3049	2.3038
17	.094	2.4500	2.4500	2.4349	2.4349	2.4338
18	.100	2.5800	2.5800	2.5649	2.5649	2.5638
19	.106	2.7100	2.7100	2.6949	2.6949	2.6938
20	.111	2.8400	2.8400	2.8249	2.8249	2.8238
21	.117	2.9700	2.9700	2.9549	2.9549	2.9538
22	.122	3.1000	3.1000	3.0849	3.0849	3.0838
23	.128	3.2300	3.2300	3.2149	3.2149	3.2138
24	.133	3.3600	3.3600	3.3449	3.3449	3.3438
25	.139	3.4900	3.4900	3.4749	3.4749	3.4738
26	.144	3.6200	3.6200	3.6049	3.6049	3.6038
27	.150	3.7500	3.7500	3.7349	3.7349	3.7338
28	.156	3.8800	3.8800	3.8649	3.8649	3.8638
29	.161	4.0100	4.0100	3.9949	3.9949	3.9938
30	.167	4.1400	4.1400	4.1249	4.1249	4.1238
31	.172	4.2700	4.2700	4.2549	4.2549	4.2538
32	.178	4.4000	4.4000	4.3849	4.3849	4.3838
33	.183	4.5300	4.5300	4.5149	4.5149	4.5138
34	.189	4.6600	4.6600	4.6449	4.6449	4.6438
35	.194	4.7900	4.7900	4.7749	4.7749	4.7738
36	.200	4.9200	4.9200	4.9049	4.9049	4.9038
37	.206	5.0500	5.0500	5.0349	5.0349	5.0338
38	.211	5.1800	5.1800	5.1649	5.1649	5.1638
39	.217	5.3100	5.3100	5.2949	5.2949	5.2938
40	.222	5.4400	5.4400	5.4249	5.4249	5.4238
41	.228	5.5700	5.5700	5.5549	5.5549	5.5538
42	.233	5.7000	5.7000	5.6849	5.6849	5.6838
43	.239	5.8300	5.8300	5.8149	5.8149	5.8138
44	.244	5.9600	5.9600	5.9449	5.9449	5.9438
45	.250	6.0900	6.0900	6.0749	6.0749	6.0738
46	.256	6.2200	6.2200	6.2049	6.2049	6.2038
47	.261	6.3500	6.3500	6.3349	6.3349	6.3338
48	.267	6.4800	6.4800	6.4649	6.4649	6.4638
49	.272	6.6100	6.6100	6.5949	6.5949	6.5938
50	.278	6.7400	6.7400	6.7249	6.7249	6.7238
51	.283	6.8700	6.8700	6.8549	6.8549	6.8538
52	.289	7.0000	7.0000	6.9849	6.9849	6.9838
53	.294	7.1300	7.1300	7.1149	7.1149	7.1138
54	.300	7.2600	7.2600	7.2449	7.2449	7.2438
55	.306	7.3900	7.3900	7.3749	7.3749	7.3738
56	.311	7.5200	7.5200	7.5049	7.5049	7.5038
57	.317	7.6500	7.6500	7.6349	7.6349	7.6338
58	.322	7.7800	7.7800	7.7649	7.7649	7.7638
59	.328	7.9100	7.9100	7.8949	7.8949	7.8938
60	.333	8.0400	8.0400	8.0249	8.0249	8.0238

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 3
 AVERAGE = 1.17E+00
 0.31E+00 1.17E+00 2.33E+00 3.49E+00 4.65E+00 5.81E+00 6.97E+00 8.13E+00 9.29E+00 10.45E+00
 11.61E+00 12.77E+00 13.93E+00 15.09E+00 16.25E+00 17.41E+00 18.57E+00 19.73E+00 20.89E+00 22.05E+00
 23.21E+00 24.37E+00 25.53E+00 26.69E+00 27.85E+00 29.01E+00 30.17E+00 31.33E+00 32.49E+00 33.65E+00
 34.81E+00 35.97E+00 37.13E+00 38.29E+00 39.45E+00 40.61E+00 41.77E+00 42.93E+00 44.09E+00 45.25E+00
 46.41E+00 47.57E+00 48.73E+00 49.89E+00 51.05E+00 52.21E+00 53.37E+00 54.53E+00 55.69E+00 56.85E+00
 58.01E+00 59.17E+00 60.33E+00 61.49E+00 62.65E+00 63.81E+00 64.97E+00 66.13E+00 67.29E+00 68.45E+00
 69.61E+00 70.77E+00 71.93E+00 73.09E+00 74.25E+00 75.41E+00 76.57E+00 77.73E+00 78.89E+00 80.05E+00
 81.21E+00 82.37E+00 83.53E+00 84.69E+00 85.85E+00 87.01E+00 88.17E+00 89.33E+00 90.49E+00 91.65E+00
 92.81E+00 93.97E+00 95.13E+00 96.29E+00 97.45E+00 98.61E+00 99.77E+00 100.93E+00 102.09E+00 103.25E+00
 104.41E+00 105.57E+00 106.73E+00 107.89E+00 109.05E+00 110.21E+00 111.37E+00 112.53E+00 113.69E+00 114.85E+00
 116.01E+00 117.17E+00 118.33E+00 119.49E+00 120.65E+00 121.81E+00 122.97E+00 124.13E+00 125.29E+00 126.45E+00
 127.61E+00 128.77E+00 129.93E+00 131.09E+00 132.25E+00 133.41E+00 134.57E+00 135.73E+00 136.89E+00 138.05E+00
 139.21E+00 140.37E+00 141.53E+00 142.69E+00 143.85E+00 145.01E+00 146.17E+00 147.33E+00 148.49E+00 149.65E+00
 150.81E+00 151.97E+00 153.13E+00 154.29E+00 155.45E+00 156.61E+00 157.77E+00 158.93E+00 160.09E+00 161.25E+00
 162.41E+00 163.57E+00 164.73E+00 165.89E+00 167.05E+00 168.21E+00 169.37E+00 170.53E+00 171.69E+00 172.85E+00
 174.01E+00 175.17E+00 176.33E+00 177.49E+00 178.65E+00 179.81E+00 180.97E+00 182.13E+00 183.29E+00 184.45E+00
 185.61E+00 186.77E+00 187.93E+00 189.09E+00 190.25E+00 191.41E+00 192.57E+00 193.73E+00 194.89E+00 196.05E+00
 19

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T = 9.3 RECORD = JMC075
 HOUR = 8 SIG.HGT. = 35.0 UPPER HGT. = 39.0
 TOTAL OF 197 CORR. VAK. = 76.1 LOWER HGT. = 32.5
 NOISE LEVEL = .0170 WIND SPEED = 43

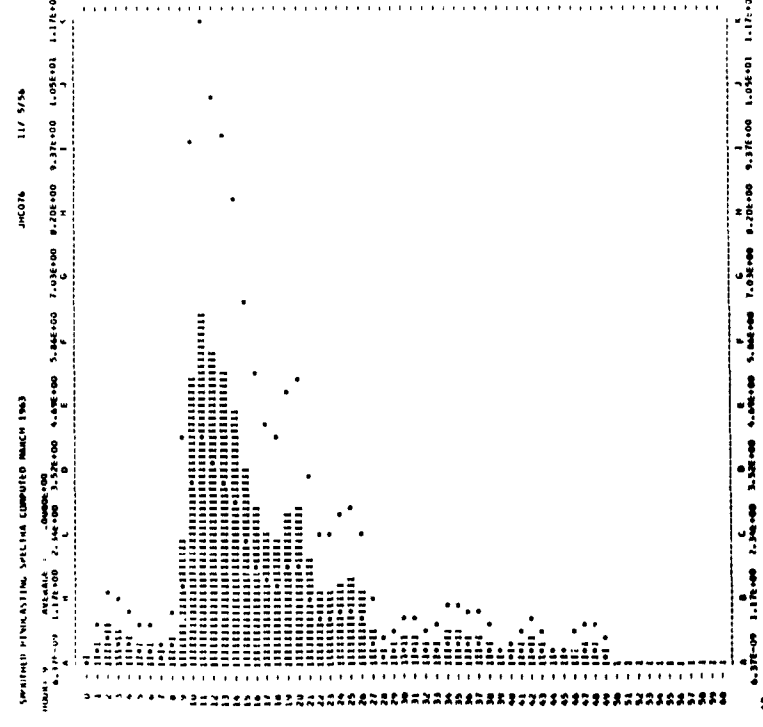
H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3040	.3040	.2867	.2867	.5276	.1833
1	.004	.4800	.4800	.4621	.4621	.8806	.3209
2	.011	.6900	.6900	.6730	.6730	1.2405	.4295
3	.017	.8787	.8787	.8609	.8609	1.2122	.4200
4	.022	1.0200	1.0200	.9175	.9175	.9638	.3295
5	.028	1.2420	1.2420	.8251	.8251	.4140	.1433
6	.033	1.4700	1.4700	.7530	.7530	.1970	.0944
7	.039	1.7240	1.7240	.6950	.6950	.3187	.1101
8	.044	2.0040	2.0040	.6500	.6500	.5630	.1945
9	.050	2.3100	2.3100	1.0750	1.0750	3.0370	1.1644
10	.056	2.6400	2.6400	3.4190	3.4190	7.2250	2.9660
11	.061	3.0000	3.0000	6.3000	6.3000	13.1122	4.3298
12	.067	3.3800	3.3800	9.0911	11.2876	20.0047	7.1872
13	.072	3.7900	3.7900	12.8066	9.9686	17.0383	6.0927
14	.078	4.2300	4.2300	17.3577	9.9038	10.1443	3.5043
15	.083	4.7000	4.7000	22.7522	4.6668	8.2327	2.6641
16	.089	5.2000	5.2000	29.0000	3.8693	7.1318	2.4628
17	.094	5.7300	5.7300	36.1000	3.0486	5.6558	1.9539
18	.100	6.2900	6.2900	44.0000	2.0529	3.7830	1.3072
19	.106	6.8800	6.8800	52.7000	1.4724	2.7131	.9372
20	.111	7.5000	7.5000	62.3000	1.0363	1.9845	.6782
21	.117	8.1500	8.1500	72.9000	2.6079	4.9174	1.6888
22	.122	8.8400	8.8400	84.5000	2.3100	4.0048	.8740
23	.128	9.5700	9.5700	97.2000	1.9821	2.4922	.6610
24	.133	1.0350	1.0350	1.0350	1.1016	2.1964	.5788
25	.139	1.1240	1.1240	1.1240	1.1240	1.0153	.5225
26	.144	1.2160	1.2160	1.2160	.9877	1.7692	.4698
27	.150	1.3110	1.3110	1.3110	.8697	1.2713	.4294
28	.156	1.4100	1.4100	1.4100	.7595	.8470	.3926
29	.161	1.5130	1.5130	1.5130	.6580	.4890	.3592
30	.167	1.6200	1.6200	1.6200	.5650	.3423	.3280
31	.172	1.7310	1.7310	1.7310	.4800	.2420	.2978
32	.178	1.8460	1.8460	1.8460	.4020	.1780	.2692
33	.183	1.9650	1.9650	1.9650	.3320	.1360	.2420
34	.189	2.0880	2.0880	2.0880	.2690	.1020	.2160
35	.194	2.2160	2.2160	2.2160	.2130	.0750	.1910
36	.200	2.3490	2.3490	2.3490	.1640	.0540	.1670
37	.206	2.4870	2.4870	2.4870	.1220	.0380	.1440
38	.211	2.6300	2.6300	2.6300	.0870	.0260	.1220
39	.217	2.7780	2.7780	2.7780	.0590	.0180	.1010
40	.222	2.9310	2.9310	2.9310	.0350	.0120	.0810
41	.228	3.0890	3.0890	3.0890	.0150	.0070	.0620
42	.233	3.2520	3.2520	3.2520	.0080	.0040	.0450
43	.239	3.4200	3.4200	3.4200	.0040	.0020	.0310
44	.244	3.5940	3.5940	3.5940	.0020	.0010	.0200
45	.250	3.7740	3.7740	3.7740	.0010	.0000	.0130
46	.256	3.9600	3.9600	3.9600	.0000	.0000	.0080
47	.261	4.1530	4.1530	4.1530	.0000	.0000	.0050
48	.267	4.3530	4.3530	4.3530	.0000	.0000	.0030
49	.272	4.5600	4.5600	4.5600	.0000	.0000	.0020
50	.278	4.7740	4.7740	4.7740	.0000	.0000	.0010
51	.283	4.9960	4.9960	4.9960	.0000	.0000	.0000
52	.289	5.2260	5.2260	5.2260	.0000	.0000	.0000
53	.294	5.4640	5.4640	5.4640	.0000	.0000	.0000
54	.300	5.7100	5.7100	5.7100	.0000	.0000	.0000
55	.306	5.9640	5.9640	5.9640	.0000	.0000	.0000
56	.311	6.2260	6.2260	6.2260	.0000	.0000	.0000
57	.317	6.4960	6.4960	6.4960	.0000	.0000	.0000
58	.322	6.7740	6.7740	6.7740	.0000	.0000	.0000
59	.328	7.0600	7.0600	7.0600	.0000	.0000	.0000
60	.333	7.3540	7.3540	7.3540	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T = 9.1 RECORD = JMC076
 HOUR = 9 SIG.HGT. = 32.5 UPPER HGT. = 35.0
 TOTAL OF 203 CORR. VAK. = 66.2 LOWER HGT. = 30.0
 NOISE LEVEL = .0112 WIND SPEED = 40

H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0972	.0972	.0860	.0860	.1585	.0547
1	.006	.1636	.1636	.1524	.1524	.2645	.0884
2	.011	.2400	.2400	.2288	.2288	.4243	.1420
3	.017	.3360	.3360	.3248	.3248	.6375	.2136
4	.022	.4524	.4524	.4412	.4412	.9540	.3303
5	.028	.5880	.5880	.5768	.5768	1.3830	.4644
6	.033	.7440	.7440	.7328	.7328	2.0170	.6456
7	.039	.9200	.9200	.9088	.9088	2.8650	.8940
8	.044	1.1160	1.1160	1.1048	1.1048	4.0470	1.3464
9	.050	1.3320	1.3320	1.3208	1.3208	5.6810	1.9008
10	.056	1.5680	1.5680	1.5568	1.5568	7.9290	2.6496
11	.061	1.8240	1.8240	1.8128	1.8128	10.9050	3.6456
12	.067	2.1000	2.1000	2.0888	2.0888	14.8650	5.0424
13	.072	2.3960	2.3960	2.3848	2.3848	20.3650	6.8916
14	.078	2.8120	2.8120	2.8008	2.8008	28.0650	9.4056
15	.083	3.3480	3.3480	3.3368	3.3368	38.6650	12.8424
16	.089	3.9960	3.9960	3.9848	3.9848	53.0650	17.7624
17	.094	4.7560	4.7560	4.7448	4.7448	72.8650	24.6456
18	.100	5.6360	5.6360	5.6248	5.6248	100.0650	33.6456
19	.106	6.6440	6.6440	6.6328	6.6328	136.8650	46.4456
20	.111	7.8800	7.8800	7.8688	7.8688	186.0650	63.6456
21	.117	9.3440	9.3440	9.3328	9.3328	252.8650	87.6456
22	.122	1.1040	1.1040	1.0928	1.0928	344.0650	118.4456
23	.128	1.2960	1.2960	1.2848	1.2848	464.0650	160.0456
24	.133	1.5120	1.5120	1.5008	1.5008	624.0650	216.0456
25	.139	1.7520	1.7520	1.7408	1.7408	844.0650	292.0456
26	.144	2.0160	2.0160	2.0048	2.0048	1144.0650	396.0456
27	.150	2.3040	2.3040	2.2928	2.2928	1544.0650	532.0456
28	.156	2.6160	2.6160	2.6048	2.6048	2084.0650	724.0456
29	.161	2.9520	2.9520	2.9408	2.9408	2824.0650	984.0456
30	.167	3.4120	3.4120	3.4008	3.4008	3824.0650	1332.0456
31	.172	3.9840	3.9840	3.9728	3.9728	5144.0650	1804.0456
32	.178	4.6680	4.6680	4.6568	4.6568	6944.0650	2464.0456
33	.183	5.4640	5.4640	5.4528	5.4528	9444.0650	3364.0456
34	.189	6.3840	6.3840	6.3728	6.3728	12844.0650	4664.0456
35	.194	7.4280	7.4280	7.4168	7.4168	17444.0650	6404.0456
36	.200	8.6040	8.6040	8.5928	8.5928	23644.0650	8764.0456
37	.206	9.9120	9.9120	9.9008	9.9008	31944.0650	11924.0456
38	.211	1.1360	1.1360	1.1248	1.1248	43044.0650	16044.0456
39	.217	1.2960	1.2960	1.2848	1.2848	57844.0650	21644.0456
40	.222	1.4720	1.4720	1.4608	1.4608	77844.0650	29444.0456
41	.228	1.6640	1.6640	1.6528	1.6528	10544.0650	39644.0456
42	.233	1.8720	1.8720	1.8608	1.8608	14244.0650	53644.0456
43	.239	2.0960	2.0960	2.0848	2.0848	19244.0650	73644.0456
44	.244	2.3440	2.3440	2.3328	2.3328	25844.0650	10044.0456
45	.250	2.6160	2.6160	2.6048	2.6048	35444.0650	13644.0456
46	.256	2.9120	2.9120	2.9008	2.9008	48044.0650	18644.0456
47	.261	3.2320	3.2320	3.2208	3.2208	64044.0650	25644.0456
48	.267	3.5760	3.5760	3.5648	3.5648	86044.0650	34844.0456
49	.272	3.9440	3.9440	3.9328	3.9328	11544.0650	47644.0456
50	.278	4.3360	4.3360	4.3248	4.3248	15444.0650	6444.0456
51	.283	4.7520	4.7520	4.7408	4.7408	20644.0650	8764.0456
52	.289	5.1920	5.1920	5.1808	5.1808	27644.0650	11844.0456
53	.294	5.6560	5.6560	5.6448	5.6448	36844.0650	16044.0456
54	.300	6.1440	6.1440	6.1328	6.1328	49444.0650	21644.0456
55	.306	6.6560	6.6560	6.6448	6.6448	65844.0650	29244.0456
56	.311	7.1920	7.1920	7.1808	7.1808	87444.0650	39644.0456
57	.317	7.7520	7.7520	7.7408	7.7408	11644.0650	53644.0456
58	.322	8.3360	8.3360	8.3248	8.3248	15644.0650	73644.0456
59	.328	8.9440	8.9440	8.9328	8.9328	21044.0650	10044.0456
60	.333	9.5760	9.5760	9.5648	9.5648	28044.0650	13644.0456

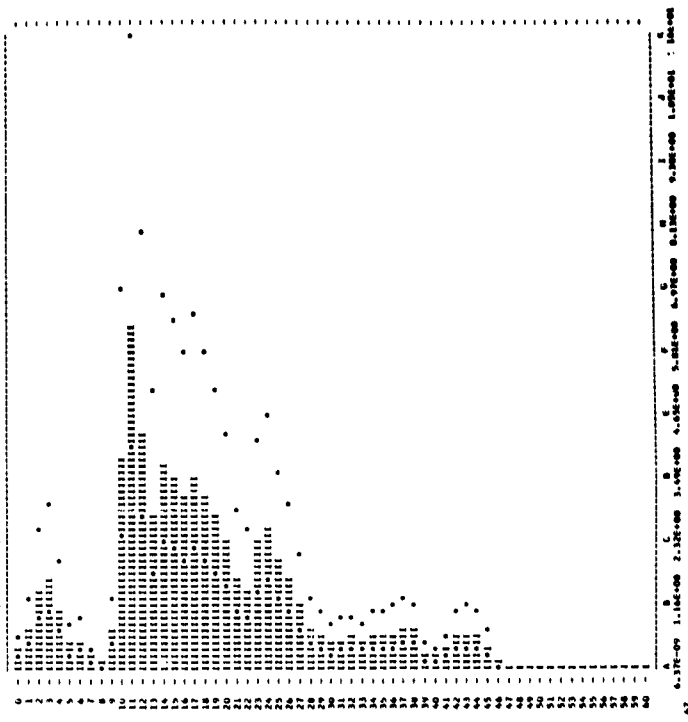


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/66 AV. T = 8.0 RECORD = JMC077
 HOUR = 12 SIG. HGT. = 32.1 UPPER HGT. = 35.0
 TOTAL DF = 222 CURR. VAL. = 66.3 LOWER HGT. = 30.7
 NOISE LEVEL = .0254 WIND SPEED = 46

H	PRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2403	.2403	.2403	.3299	.4007	.2273
1	.006	.7820	.7820	.7820	.8794	1.1222	.6326
2	.011	1.3966	1.3966	1.3962	1.3792	2.3347	.8756
3	.017	1.8402	1.8402	1.8358	1.8258	2.9060	1.0382
4	.022	1.9475	1.9475	1.9461	1.9441	3.1924	1.0648
5	.028	1.7822	1.7822	1.7848	1.7848	3.0262	1.2896
6	.033	1.3288	1.3288	1.3288	1.3288	2.9910	1.2610
7	.039	1.1794	1.1794	1.1794	1.1794	2.1130	1.1356
8	.044	1.0076	1.0076	1.0042	1.0079	1.6173	1.0509
9	.049	.8216	.8216	.8262	.8262	1.1991	.8474
10	.054	1.2417	1.2417	1.2413	1.2413	1.4717	1.2409
11	.061	1.6071	1.6071	1.6097	1.6045	1.6799	1.6164
12	.067	2.0304	2.0304	2.0260	2.0217	2.9659	2.7518
13	.072	2.4220	2.4220	2.4206	2.4207	3.1049	1.7628
14	.078	3.1422	3.1422	3.1404	3.1402	3.8223	2.3572
15	.083	3.8428	3.8428	3.8249	3.8257	4.0263	2.1131
16	.089	2.4904	2.4904	2.4678	2.4688	3.0407	2.0177
17	.094	2.6132	2.6132	2.5988	2.5984	3.6409	2.2320
18	.100	2.2446	2.2446	2.2213	2.2216	3.0458	2.0190
19	.104	1.8872	1.8872	1.8339	1.8342	2.1354	1.7741
20	.111	1.4784	1.4784	1.4990	1.4920	2.3994	1.9066
21	.117	.8237	.8237	.8083	1.8705	2.0944	1.0000
22	.122	.7742	.7742	.7509	1.4138	2.4058	.9002
23	.128	1.1347	1.1347	1.1113	2.2607	1.8185	1.4446
24	.132	1.1420	1.1420	1.1364	2.8224	1.6079	1.6126
25	.139	.8320	.8320	.8091	1.9701	1.4311	1.2544
26	.144	.6433	.6433	.6199	1.6891	1.0580	1.0564
27	.150	.4176	.4176	.4176	1.1647	1.1446	.7416
28	.154	.2441	.2441	.2307	.7222	1.1311	.4599
29	.161	.1809	.1809	.1575	.8735	1.0570	.2652
30	.167	.1409	.1409	.1205	.4274	.8064	.2787
31	.172	.1371	.1371	.1137	.3140	.9567	.2305
32	.178	.1239	.1239	.1021	.8257	.9689	.3347
33	.183	.1233	.1233	.1009	1.4048	.8348	.2940
34	.189	.1059	.1059	.0823	.3434	1.0035	.3474
35	.194	.0887	.0887	.0753	.5674	1.0461	.2616
36	.200	.0933	.0933	.0649	.4014	1.1122	.2462
37	.204	.0961	.0961	.0727	.7209	1.3287	.4390
38	.211	.0799	.0799	.0561	.6420	1.1833	.4088
39	.217	.0435	.0435	.0251	1.2046	1.4913	.1487
40	.222	.0277	.0277	.0125	.1923	.3544	.1224
41	.228	.0446	.0446	.0191	.3434	.6328	.2186
42	.233	.0330	.0330	.0140	.5477	1.0111	.3500
43	.239	.0472	.0472	.0243	.6033	1.1119	.3841
44	.244	.0434	.0422	.0188	.9330	1.0193	.3521
45	.250	.0350	.0343	.0159	1.3868	1.7019	.2425
46	.254	.0240	.0234	.0022	.0897	1.1634	.0571
47	.261	.0193	.0228	.0000	.0000	.0000	.0000
48	.267	.0284	.0284	.0000	.0000	.0000	.0000
49	.272	.0375	.0345	.0111	.0111	.0204	.0070
50	.278	.0361	.0363	.0129	.0129	.0239	.0042
51	.284	.0197	.0197	.0143	.0143	.0284	.0091
52	.289	.0375	.0348	.0114	.0114	.0209	.0072
53	.294	.0244	.0274	.0040	.0040	.0073	.0025
54	.300	.0232	.0234	.0000	.0000	.0000	.0000
55	.304	.0196	.0199	.0000	.0000	.0000	.0000
56	.311	.0174	.0187	.0000	.0000	.0000	.0000
57	.317	.0025	.0188	.0000	.0000	.0000	.0000
58	.322	.0169	.0176	.0000	.0000	.0000	.0000
59	.328	.0168	.0177	.0000	.0000	.0000	.0000
60	.333	.0204	.0184	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12
 AVERAGE 1.000000
 STANDARD DEVIATION 0.000000
 CURR. VAL. 66.3000
 UPPER HGT. 35.0000
 LOWER HGT. 30.7000
 WIND SPEED 46.0000

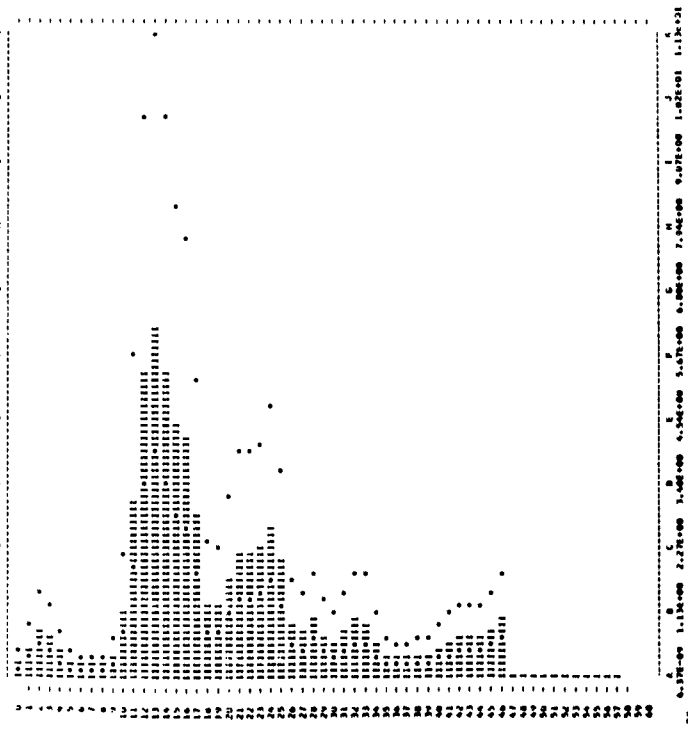


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/66 AV. T = 8.1 RECORD = JMC078
 HOUR = 14 SIG. HGT. = 32.4 UPPER HGT. = 35.0
 TOTAL DF = 222 CURR. VAL. = 65.7 LOWER HGT. = 30.0
 NOISE LEVEL = .0112 WIND SPEED = 40

H	PRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2535	.2535	.2423	.2423	.4465	.1563
1	.006	.5207	.5207	.5095	.5045	.8340	.3244
2	.011	.8130	.8130	.8038	.8038	1.2814	.5118
3	.017	1.0501	1.0501	1.0389	1.0389	1.7512	.6323
4	.022	1.4379	1.4379	1.4267	1.4267	2.2864	.7844
5	.028	1.2522	1.2522	1.2340	1.2340	2.3312	1.1490
6	.033	1.1277	1.1277	1.1165	1.1165	2.3468	1.1188
7	.039	1.1430	1.1430	1.1318	1.1318	2.3337	1.1153
8	.044	1.0493	1.0493	1.0381	1.0381	2.1169	1.0995
9	.049	1.0900	1.0900	1.0788	1.0788	1.8444	.9227
10	.054	1.0355	1.0355	1.0243	1.0243	1.1676	.7434
11	.061	2.7140	2.7140	2.7028	2.7028	3.5427	1.9431
12	.067	4.7018	4.7018	4.6906	4.6906	5.3274	3.1018
13	.072	5.3394	5.3394	5.3282	5.3282	6.1524	3.3398
14	.078	4.5002	4.5002	4.4890	4.4890	5.3284	3.1928
15	.083	3.6503	3.6503	3.6391	3.6391	4.4778	2.7527
16	.089	3.2546	3.2546	3.2434	3.2434	4.1661	2.6927
17	.094	2.1282	2.1282	2.1170	2.1170	3.2691	1.9203
18	.100	1.1776	1.1776	1.1664	1.1664	2.3850	.8229
19	.104	1.0186	1.0186	1.0074	1.0074	2.2208	.7810
20	.111	1.0823	1.0823	1.0711	1.0711	3.2062	1.1076
21	.117	1.2526	1.2526	1.2414	1.2414	3.4912	1.1788
22	.122	1.1677	1.1677	1.1565	1.1565	2.1774	1.1384
23	.128	1.1094	1.1094	1.0982	1.0982	4.1171	1.4223
24	.132	1.1798	1.1798	1.1686	1.1686	2.9442	1.0590
25	.139	.8290	.8290	.8178	1.4931	3.8736	1.2491
26	.144	.3518	.3518	.3406	.3406	1.1800	.5804
27	.150	.2801	.2801	.2689	.2689	1.1430	.5044
28	.154	.3131	.3131	.3019	.3019	.8878	.8207
29	.161	.2092	.2092	.1980	.1980	1.3288	.4390
30	.167	.1822	.1822	.1710	.1710	1.1328	.3413
31	.172	.1802	.1802	.1690	.1690	1.4217	.4512
32	.178	.1993	.1993	.1881	.1881	.9683	1.7847
33	.183	1.1760	1.1760	1.1648	1.1648	.9587	1.7671
34	.189	.1013	.1013	.0901	.0901	1.0778	.3742
35	.194	.0602	.0602	.0490	.0490	.8602	.2750
36	.200	.0849	.0849	.0737	.0737	.5674	.1840
37	.204	.0636	.0636	.0524	.0524	.3209	.1248
38	.211	.0434	.0434	.0322	.0322	.3681	.1784
39	.217	.0390	.0390	.0278	.0278	.3683	.1789
40	.222	.0199	.0199	.0087	.0087	.4821	.1917
41	.228	.0440	.0438	.0325	.0325	.5859	1.0799
42	.233	.0432	.0421	.0309	.0309	1.2029	.4434
43	.239	.0347	.0336	.0224	.0224	1.4040	.2054
44	.244	.0347	.0342	.0240	.0240	.7032	1.7941
45	.250	.0352	.0340	.0237	.0237	1.5226	.4460
46	.254	.0347	.0342	.0240	.0240	.4951	1.8141
47	.261	.0347	.0343	.0231	.0231	.0425	.1417
48	.267	.0300	.0277	.0165	.0165	.0304	.1405
49	.272	.0167	.0167	.0056	.0056	.0104	.0000
50	.278	.0081	.0077	.0000	.0000	.0000	.0000
51	.284	.0080	.0072	.0000	.0000	.0000	.0000
52	.289	.0127	.0115	.0013	.0013	.0023	.0000
53	.294	.0166	.0145	.0033	.0033	.0041	.0021
54	.300	.0122	.0113	.0021	.0021	.0039	.0013
55	.304	.0124	.0119	.0020	.0020	.0030	.0010
56	.311	.0145	.0129	.0017	.0017	.0021	.0011
57	.317	.0147	.0110	.0000	.0000	.0000	.0000
58	.322	.0092	.0086	.0000	.0000	.0000	.0000
59	.328	.0084	.0086	.0000	.0000	.0000	.0000
60	.333	.0073	.0081	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 14
 AVERAGE 1.000000
 STANDARD DEVIATION 0.000000
 CURR. VAL. 65.7000
 UPPER HGT. 35.0000
 LOWER HGT. 30.0000
 WIND SPEED 40.0000

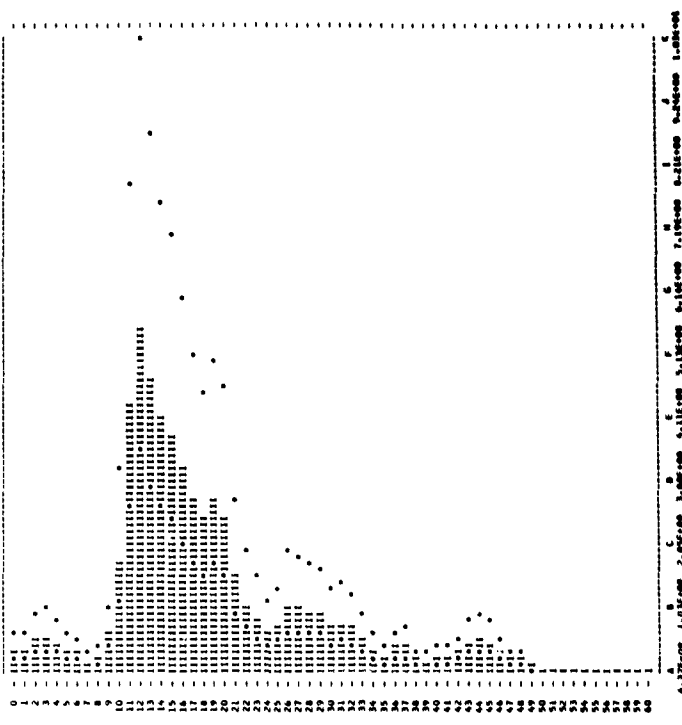


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 8/56 AV. T = 8.8 RECORD = JMC079
 HOUR = 18 SIG. HGT. = 30.3 UPPER HGT. = 32.8
 TOTAL DP = 200 CORR. VAR. = 37.3 LOWER HGT. = 28.8
 NOISE LEVEL = .0156 WIND SPEED = 40

M	FREQ.	UNIT	FT. 2	FILTERED	NOISE	CORR. FT. 2	UPPER	LOWER
0	.000			.3295	.3295			
1	.006			.3748	.3748			
2	.011			.4237	.4237			
3	.017			.4662	.4662			
4	.022			.4683	.4683			
5	.028			.4294	.4294			
6	.033			.3923	.3923			
7	.039			.3564	.3564			
8	.044			.3214	.3214			
9	.050			.2890	.2890			
10	.056			1.2637	1.2637			
11	.061			3.7944	3.7944			
12	.067			4.9771	4.9771			
13	.072			4.1061	4.1061			
14	.078			3.8066	3.8066			
15	.083			3.1490	3.1490			
16	.089			2.9880	2.9880			
17	.094			2.0769	2.0769			
18	.100			1.7210	1.7210			
19	.106			1.6185	1.6185			
20	.111			1.5918	1.5918			
21	.117			.8793	.8793			
22	.122			.8610	.8610			
23	.128			.8266	.8266			
24	.133			.8278	.8278			
25	.139			.8164	.8164			
26	.144			.8025	.8025			
27	.150			.7862	.7862			
28	.156			.7674	.7674			
29	.161			.7463	.7463			
30	.167			.7248	.7248			
31	.172			.7021	.7021			
32	.178			.6781	.6781			
33	.183			.6524	.6524			
34	.189			.6248	.6248			
35	.194			.6044	.6044			
36	.200			.5824	.5824			
37	.206			.5584	.5584			
38	.211			.5309	.5309			
39	.217			.5064	.5064			
40	.222			.4800	.4800			
41	.228			.4524	.4524			
42	.233			.4280	.4280			
43	.239			.4030	.4030			
44	.244			.3841	.3841			
45	.250			.3624	.3624			
46	.256			.3384	.3384			
47	.261			.3124	.3124			
48	.267			.2848	.2848			
49	.272			.2564	.2564			
50	.278			.2280	.2280			
51	.283			.2000	.2000			
52	.289			.1744	.1744			
53	.294			.1500	.1500			
54	.300			.1274	.1274			
55	.306			.1064	.1064			
56	.311			.0874	.0874			
57	.317			.0700	.0700			
58	.322			.0544	.0544			
59	.328			.0400	.0400			
60	.333			.0264	.0264			

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 18
 TOTAL DP = 200
 NOISE LEVEL = .0156
 WIND SPEED = 40

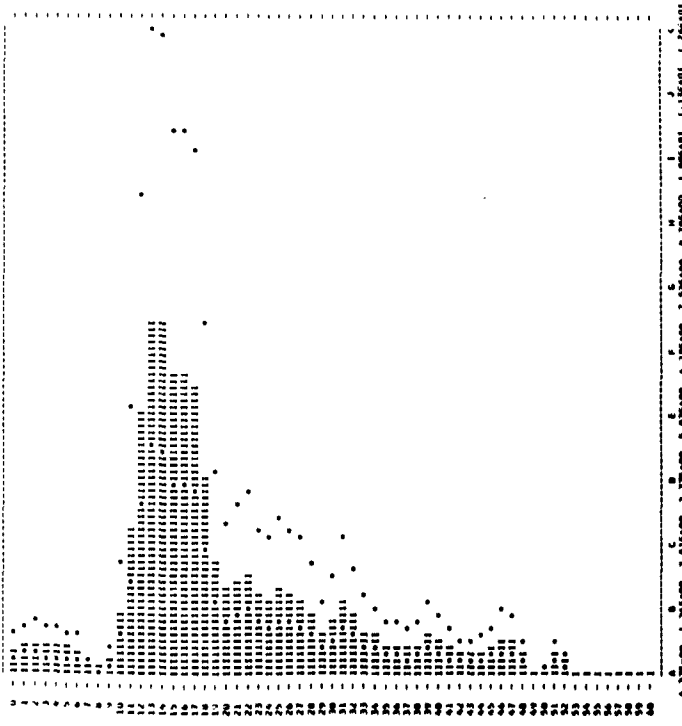


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/ 5/56 AV. T = 8.1 RECORD = JMC080
 HOUR = 18 SIG. HGT. = 35.0 UPPER HGT. = 37.9
 TOTAL DP = 213 CORR. VAR. = 76.5 LOWER HGT. = 32.3
 NOISE LEVEL = .0170 WIND SPEED = 45

M	FREQ.	UNIT	FT. 2	FILTERED	NOISE	CORR. FT. 2	UPPER	LOWER
0	.000			.4257	.4257			
1	.006			.5136	.5136			
2	.011			.5422	.5422			
3	.017			.5747	.5747			
4	.022			.5014	.5014			
5	.028			.4592	.4592			
6	.033			.4237	.4237			
7	.039			.3894	.3894			
8	.044			.3564	.3564			
9	.050			2.502	2.502			
10	.056			1.0364	1.0364			
11	.061			2.4877	2.4877			
12	.067			4.4624	4.4624			
13	.072			5.9157	5.9157			
14	.078			5.6758	5.6758			
15	.083			4.6834	4.6834			
16	.089			4.4784	4.4784			
17	.094			4.0963	4.0963			
18	.100			2.6134	2.6134			
19	.106			1.3895	1.3895			
20	.111			.9439	.9439			
21	.117			1.0327	1.0327			
22	.122			1.0365	1.0365			
23	.128			.7632	.7632			
24	.133			.6344	.6344			
25	.139			.6485	.6485			
26	.144			.5734	.5734			
27	.150			.6910	.6910			
28	.156			.3634	.3634			
29	.161			.2237	.2237			
30	.167			.2792	.2792			
31	.172			.3282	.3282			
32	.178			.2320	.2320			
33	.183			.1540	.1540			
34	.189			.1229	.1229			
35	.194			.0876	.0876			
36	.200			.0744	.0744			
37	.206			.0635	.0635			
38	.211			.0634	.0634			
39	.217			.0333	.0333			
40	.222			.0593	.0593			
41	.228			.0383	.0383			
42	.233			.0318	.0318			
43	.239			.0320	.0320			
44	.244			.0286	.0286			
45	.250			.0310	.0310			
46	.256			.0348	.0348			
47	.261			.0306	.0306			
48	.267			.0232	.0232			
49	.272			.0163	.0163			
50	.278			.0188	.0188			
51	.283			.0227	.0227			
52	.289			.0184	.0184			
53	.294			.0133	.0133			
54	.300			.0119	.0119			
55	.306			.0184	.0184			
56	.311			.0226	.0226			
57	.317			.0198	.0198			
58	.322			.0148	.0148			
59	.328			.0149	.0149			
60	.333			.0201	.0201			

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 18
 TOTAL DP = 213
 NOISE LEVEL = .0170
 WIND SPEED = 45

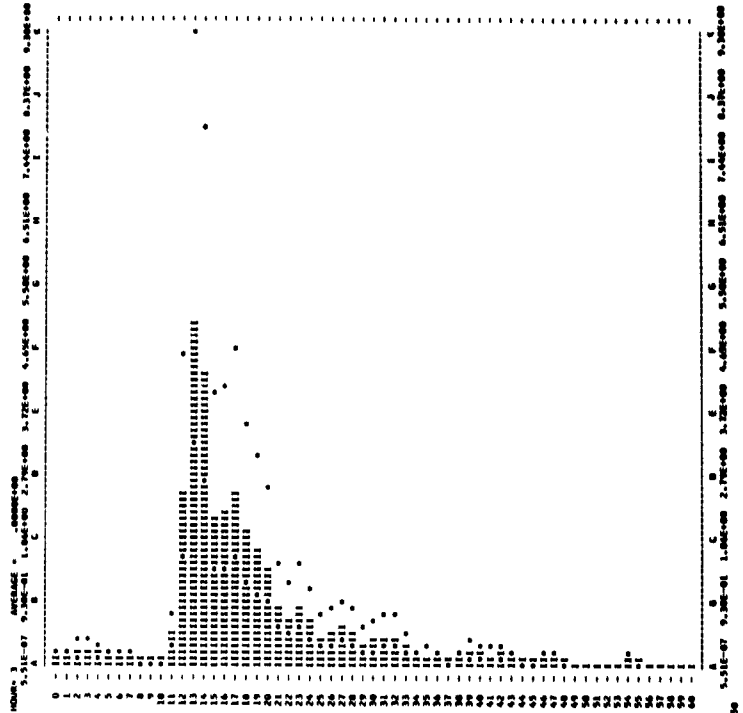


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/ 5/56 AV. T = 9.1 RECORD = JMC003
 HOUR = 3 SIG.HGT. = 23.2 UPPER HGT. = 25.9
 TOTAL DP = 103 CORR. VAL. = 32.6 LOWER HGT. = 21.1
 NOISE LEVEL = .0099 WIND SPEED = 0

N	PRB.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0000	.0000	.0000	.0000	.1500	.0000
1	.0000	.1250	.1250	.1190	.1190	.2200	.0760
2	.011	.1900	.1900	.1840	.1840	.2900	.1170
3	.017	.2251	.2251	.2192	.2192	.3600	.1390
4	.022	.1721	.1721	.1662	.1662	.3000	.1090
5	.028	.0900	.0900	.0840	.0840	.2400	.0800
6	.033	.0402	.0402	.0343	.0343	.1800	.0600
7	.039	.0001	.0001	.0000	.0000	.1200	.0400
8	.044	.0000	.0000	.0000	.0000	.0600	.0200
9	.050	.0002	.0002	.0000	.0000	.0000	.0000
10	.056	.0000	.0000	.0000	.0000	.0000	.0000
11	.061	.0000	.0000	.0000	.0000	.0000	.0000
12	.067	2.1835	2.1835	2.1776	2.1776	4.9327	1.9720
13	.072	4.3700	4.3700	4.3607	4.3607	9.2990	3.8120
14	.078	6.6112	6.6112	6.6039	6.6039	14.0800	5.7240
15	.083	1.7503	1.7503	1.7444	1.7444	3.9360	1.5660
16	.089	1.7403	1.7403	1.7336	1.7336	4.1270	1.6290
17	.094	1.6874	1.6874	1.6815	1.6815	4.4800	1.6170
18	.100	1.3611	1.3611	1.3552	1.3552	3.9061	1.2320
19	.106	1.0900	1.0900	1.0840	1.0840	3.0537	1.0940
20	.111	.7742	.7742	.7682	.7682	2.4102	.8070
21	.117	.4678	.4678	.4618	.4618	1.8041	.6127
22	.122	.2360	.2360	.2300	.2300	1.2157	.4200
23	.128	.0926	.0926	.0867	.0867	.6272	.2137
24	.133	.7822	.7822	.7763	.7763	1.1227	.6013
25	.139	1.4000	1.4000	1.3941	1.3941	.7220	.5290
26	.144	1.670	1.670	1.6641	1.6641	.8767	.6140
27	.150	1.044	1.044	1.0385	1.0385	.6270	.4395
28	.156	1.478	1.478	1.4721	1.4721	.8270	.6140
29	.161	.9944	.9944	.9885	.9885	.6270	.4395
30	.167	.0869	.0869	.0810	.0810	.4078	.2100
31	.172	.0196	.0196	.0137	.0137	.2171	.1160
32	.178	.0023	.0023	.0016	.0016	.1160	.0500
33	.183	.0001	.0001	.0000	.0000	.0500	.0200
34	.189	.0021	.0021	.0014	.0014	.0500	.0200
35	.194	.0027	.0027	.0020	.0020	.0500	.0200
36	.200	.0177	.0177	.0118	.0118	.1877	.0840
37	.206	.0114	.0114	.0055	.0055	.1000	.0400
38	.211	.0140	.0140	.0089	.0089	.1000	.0400
39	.217	.0199	.0199	.0140	.0140	.1877	.0840
40	.222	.0196	.0196	.0137	.0137	.1877	.0840
41	.228	.0121	.0121	.0078	.0078	.1000	.0400
42	.233	.0139	.0139	.0070	.0070	.1471	.0637
43	.239	.0116	.0116	.0061	.0061	.1210	.0500
44	.244	.0000	.0000	.0000	.0000	.1100	.0400
45	.250	.0068	.0068	.0013	.0013	.0863	.0290
46	.256	.0090	.0090	.0035	.0035	.1000	.0400
47	.261	.0090	.0090	.0025	.0025	.151	.0500
48	.267	.0068	.0068	.0012	.0012	.0729	.0290
49	.272	.0059	.0059	.0001	.0001	.0000	.0000
50	.278	.0095	.0095	.0000	.0000	.0000	.0000
51	.283	.0090	.0090	.0000	.0000	.0000	.0000
52	.289	.0095	.0095	.0000	.0000	.0000	.0000
53	.294	.0097	.0097	.0000	.0000	.0000	.0000
54	.300	.0064	.0064	.0004	.0004	.0740	.0494
55	.306	.0067	.0067	.0002	.0002	.0582	.0370
56	.311	.0048	.0048	.0000	.0000	.0000	.0000
57	.317	.0045	.0045	.0000	.0000	.0000	.0000
58	.322	.0050	.0050	.0000	.0000	.0000	.0000
59	.328	.0071	.0069	.0010	.0010	.0000	.0000
60	.333	.0078	.0074	.0015	.0015	.0028	.0010

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=12 5-12-57 0-1000-01 1-1000-00 2-1000-00 3-1000-00 4-1000-00 5-1000-00 6-1000-00 7-1000-00 8-1000-00 9-1000-00

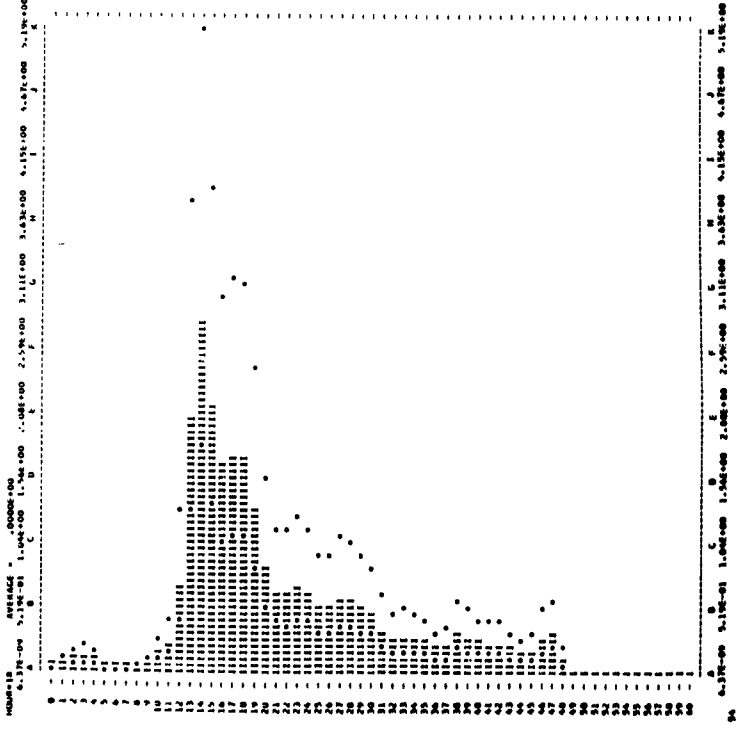


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/ 3/56 AV. T = 7.7 RECORD = JMC004
 HOUR = 10 SIG.HGT. = 20.3 UPPER HGT. = 22.0
 TOTAL DP = 802 CORR. VAL. = 25.7 LOWER HGT. = 18.7
 NOISE LEVEL = .0075 WIND SPEED = 0

N	PRB.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0380	.0380	.0305	.0305	.0963	.0194
1	.006	.0380	.0380	.0313	.0313	.0964	.0227
2	.011	.0448	.0448	.0393	.0393	.1046	.0269
3	.017	.1170	.1170	.1095	.1095	.2019	.0697
4	.022	.0896	.0896	.0811	.0811	.1514	.0523
5	.028	.0408	.0408	.0333	.0333	.0614	.0217
6	.033	.0286	.0286	.0211	.0211	.0309	.0107
7	.039	.0283	.0283	.0208	.0208	.0268	.0082
8	.044	.0228	.0228	.0153	.0153	.0352	.0122
9	.050	.0500	.0500	.0425	.0425	.0500	.0211
10	.056	1.284	1.284	1.2509	1.2509	1.1376	.8541
11	.061	2.080	2.080	2.005	2.005	2.264	1.1642
12	.067	1.6179	1.6179	1.6104	1.6104	1.2762	.8409
13	.072	1.7804	1.7804	1.769	1.769	2.0472	1.3733
14	.078	2.3787	2.3787	2.3712	2.3712	2.8146	1.8722
15	.083	1.7311	1.7311	1.7236	1.7236	2.1208	1.3504
16	.089	1.2858	1.2858	1.2783	1.2783	1.6620	1.0455
17	.094	1.2864	1.2864	1.2789	1.2789	1.7271	1.1097
18	.100	1.1944	1.1944	1.1869	1.1869	1.6746	1.0790
19	.106	.8772	.8772	.8697	.8697	1.2214	.8316
20	.111	.5325	.5325	.5260	.5260	.874	.5366
21	.117	.3704	.3704	.3629	.3629	.6331	.4031
22	.122	.3513	.3513	.3438	.3438	.6077	.3882
23	.128	.3372	.3372	.3297	.3297	.6131	.3807
24	.133	.2823	.2823	.2748	.2748	.6113	.3892
25	.139	.2173	.2173	.2098	.2098	.5109	.3253
26	.144	1.940	1.940	1.865	1.865	4.992	3.179
27	.150	.2057	.2057	.1982	.1982	.5852	.3726
28	.156	.1827	.1827	.1752	.1752	.5736	.3651
29	.161	1.136	1.136	1.130	1.130	4.950	3.132
30	.167	.1194	.1194	.1119	.1119	.4557	.2902
31	.172	.0791	.0791	.0716	.0716	.3270	.2082
32	.178	.0996	.0996	.0919	.0919	.2874	.1802
33	.183	.0560	.0560	.0485	.0485	.2824	.1790
34	.189	.0460	.0460	.0385	.0385	.2348	.1422
35	.194	.0387	.0387	.0312	.0312	.2354	.1494
36	.200	.0286	.0286	.0211	.0211	.1824	.1161
37	.206	.0280	.0280	.0205	.0205	.1752	.1190
38	.211	.0343	.0343	.0268	.0268	.1071	.0695
39	.217	.0278	.0278	.0203	.0203	.2697	.1717
40	.222	.0210	.0210	.0135	.0135	.2341	.1491
41	.228	.0200	.0200	.0124	.0124	.2278	.1434
42	.233	.0177	.0177	.0103	.0103	.2164	.1390
43	.239	.0167	.0167	.0094	.0094	.1826	.1163
44	.244	.0122	.0122	.0051	.0051	.1498	.0984
45	.250	.0112	.0112	.0049	.0049	.1698	.1081
46	.256	.0148	.0148	.0065	.0065	.2706	.1723
47	.261	.0132	.0132	.0060	.0060	.2960	.1904
48	.267	.0088	.0088	.0021	.0021	.1220	.0777
49	.272	.0093	.0093	.0000	.0000	.0000	.0000
50	.278	.0092	.0092	.0000	.0000	.0000	.0000
51	.283	.0108	.0108	.0023	.0023	.0042	.0015
52	.289	.0083	.0080	.0016	.0016	.0029	.0010
53	.294	.0067	.0067	.0014	.0014	.0015	.0006
54	.300	.0096	.0098	.0014	.0014	.0014	.0009
55	.306	.0076	.0078	.0004	.0004	.0007	.0002
56	.311	.0060	.0070	.0000	.0000	.0000	.0000
57	.317	.0071	.0067	.0000	.0000	.0000	.0000
58	.322	.0060	.0060	.0000	.0000	.0000	.0000
59	.328	.0051	.0054	.0000	.0000	.0000	.0000
60	.333	.0054	.0052	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=10 4-378-09 5-110-01 1-1000-00 2-1000-00 3-1100-00 4-1100-00 5-1100-00 6-1100-00 7-1100-00 8-1100-00 9-1100-00

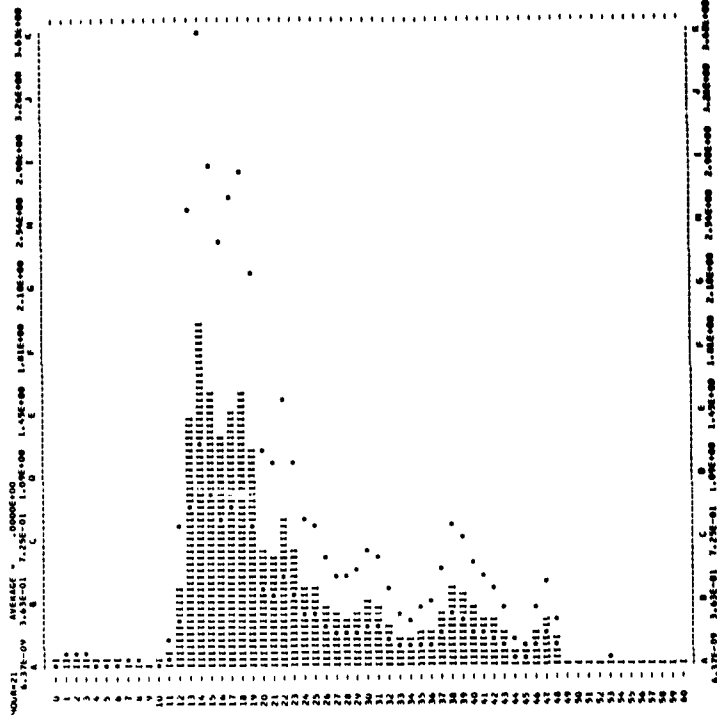


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 20/3/56 AV. T = 7.4 RECORD = JMC085
 HOUR = 21 SIG.MGT. = 18.1 UPPER MGT. = 19.4
 TOTAL DF = 264 CORR. VAR. = 26.1 LOWER MGT. = 16.7
 NOISE LEVEL = .0086 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0370	.0370	.0284	.0524
1	.000	.0440	.0440	.0370	.0490
2	.011	.0504	.0504	.0420	.0574
3	.017	.0577	.0577	.0511	.0657
4	.022	.0646	.0646	.0560	.0746
5	.030	.0709	.0709	.0614	.0839
6	.039	.0789	.0789	.0674	.0939
7	.049	.0874	.0874	.0746	.1046
8	.064	.0990	.0990	.0846	.1190
9	.080	.1120	.1120	.0974	.1340
10	.096	.1260	.1260	.1120	.1500
11	.101	.1300	.1300	.1160	.1540
12	.107	.1340	.1340	.1200	.1580
13	.112	.1380	.1380	.1240	.1620
14	.117	.1420	.1420	.1280	.1660
15	.122	.1460	.1460	.1320	.1700
16	.127	.1500	.1500	.1360	.1740
17	.132	.1540	.1540	.1400	.1780
18	.137	.1580	.1580	.1440	.1820
19	.142	.1620	.1620	.1480	.1860
20	.147	.1660	.1660	.1520	.1900
21	.152	.1700	.1700	.1560	.1940
22	.157	.1740	.1740	.1600	.1980
23	.162	.1780	.1780	.1640	.2020
24	.167	.1820	.1820	.1680	.2060
25	.172	.1860	.1860	.1720	.2100
26	.177	.1900	.1900	.1760	.2140
27	.182	.1940	.1940	.1800	.2180
28	.187	.1980	.1980	.1840	.2220
29	.192	.2020	.2020	.1880	.2260
30	.197	.2060	.2060	.1920	.2300
31	.202	.2100	.2100	.1960	.2340
32	.207	.2140	.2140	.2000	.2380
33	.212	.2180	.2180	.2040	.2420
34	.217	.2220	.2220	.2080	.2460
35	.222	.2260	.2260	.2120	.2500
36	.227	.2300	.2300	.2160	.2540
37	.232	.2340	.2340	.2200	.2580
38	.237	.2380	.2380	.2240	.2620
39	.242	.2420	.2420	.2280	.2660
40	.247	.2460	.2460	.2320	.2700
41	.252	.2500	.2500	.2360	.2740
42	.257	.2540	.2540	.2400	.2780
43	.262	.2580	.2580	.2440	.2820
44	.267	.2620	.2620	.2480	.2860
45	.272	.2660	.2660	.2520	.2900
46	.277	.2700	.2700	.2560	.2940
47	.282	.2740	.2740	.2600	.2980
48	.287	.2780	.2780	.2640	.3020
49	.292	.2820	.2820	.2680	.3060
50	.297	.2860	.2860	.2720	.3100
51	.302	.2900	.2900	.2760	.3140
52	.307	.2940	.2940	.2800	.3180
53	.312	.2980	.2980	.2840	.3220
54	.317	.3020	.3020	.2880	.3260
55	.322	.3060	.3060	.2920	.3300
56	.327	.3100	.3100	.2960	.3340
57	.332	.3140	.3140	.3000	.3380
58	.337	.3180	.3180	.3040	.3420
59	.342	.3220	.3220	.3080	.3460
60	.347	.3260	.3260	.3120	.3500

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 21 SIG.MGT. = 18.1 UPPER MGT. = 19.4
 TOTAL DF = 264 CORR. VAR. = 26.1 LOWER MGT. = 16.7
 NOISE LEVEL = .0086 WIND SPEED = 0

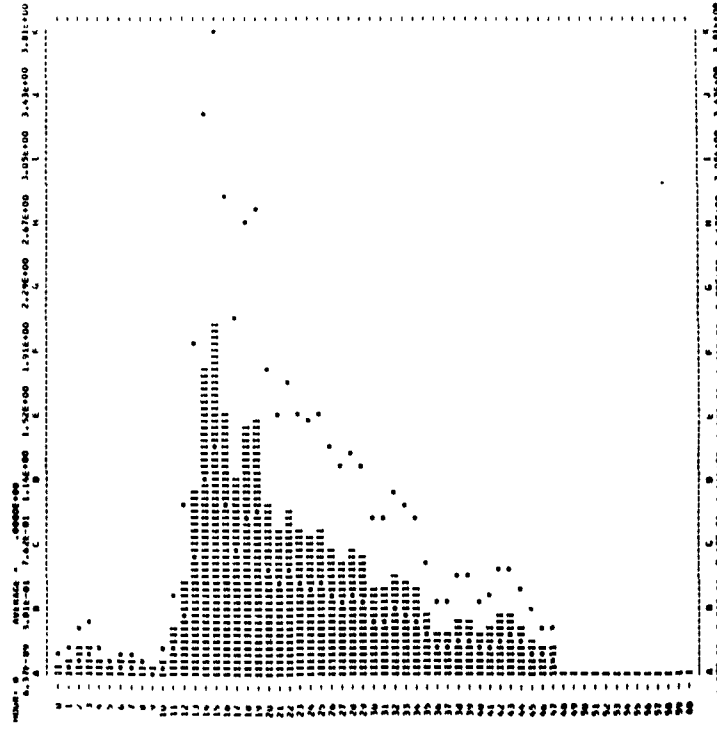


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/3/56 AV. T = 7.3 RECORD = JMC086
 HOUR = 20 SIG.MGT. = 20.4 UPPER MGT. = 21.9
 TOTAL DF = 264 CORR. VAR. = 26.1 LOWER MGT. = 19.0
 NOISE LEVEL = .0096 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0634	.0634	.0538	.0991
1	.006	.0863	.0863	.0749	.1417
2	.011	.1144	.1144	.1046	.1880
3	.017	.1511	.1511	.1455	.2505
4	.022	.1910	.1910	.1914	.3284
5	.028	.2346	.2346	.2330	.4210
6	.033	.2812	.2812	.2784	.5284
7	.039	.3307	.3307	.3268	.6519
8	.046	.3830	.3830	.3780	.7919
9	.050	.4380	.4380	.4320	.9484
10	.056	.4941	.4941	.4874	.1124
11	.061	.5512	.5512	.5436	.1284
12	.067	.6093	.6093	.6007	.1454
13	.072	.6674	.6674	.6578	.1634
14	.078	.7255	.7255	.7149	.1814
15	.083	.7836	.7836	.7720	.1994
16	.089	.8417	.8417	.8291	.2174
17	.094	.8998	.8998	.8862	.2354
18	.100	.9579	.9579	.9433	.2534
19	.106	.1016	.1016	.9987	.2714
20	.111	.1052	.1052	.1041	.2894
21	.117	.1088	.1088	.1077	.3074
22	.122	.1124	.1124	.1113	.3254
23	.127	.1160	.1160	.1149	.3434
24	.133	.1196	.1196	.1185	.3614
25	.139	.1232	.1232	.1221	.3794
26	.144	.1268	.1268	.1257	.3974
27	.150	.1304	.1304	.1293	.4154
28	.156	.1340	.1340	.1329	.4334
29	.161	.1376	.1376	.1365	.4514
30	.167	.1412	.1412	.1401	.4694
31	.172	.1448	.1448	.1437	.4874
32	.178	.1484	.1484	.1473	.5054
33	.183	.1520	.1520	.1509	.5234
34	.189	.1556	.1556	.1545	.5414
35	.194	.1592	.1592	.1581	.5594
36	.200	.1628	.1628	.1617	.5774
37	.206	.1664	.1664	.1653	.5954
38	.211	.1700	.1700	.1689	.6134
39	.217	.1736	.1736	.1725	.6314
40	.222	.1772	.1772	.1761	.6494
41	.228	.1808	.1808	.1797	.6674
42	.233	.1844	.1844	.1833	.6854
43	.239	.1880	.1880	.1869	.7034
44	.244	.1916	.1916	.1905	.7214
45	.250	.1952	.1952	.1941	.7394
46	.256	.1988	.1988	.1977	.7574
47	.261	.2024	.2024	.2013	.7754
48	.267	.2060	.2060	.2049	.7934
49	.272	.2096	.2096	.2085	.8114
50	.278	.2132	.2132	.2121	.8294
51	.283	.2168	.2168	.2157	.8474
52	.289	.2204	.2204	.2193	.8654
53	.294	.2240	.2240	.2229	.8834
54	.300	.2276	.2276	.2265	.9014
55	.306	.2312	.2312	.2301	.9194
56	.311	.2348	.2348	.2337	.9374
57	.317	.2384	.2384	.2373	.9554
58	.322	.2420	.2420	.2409	.9734
59	.328	.2456	.2456	.2445	.9914
60	.333	.2492	.2492	.2481	.1000

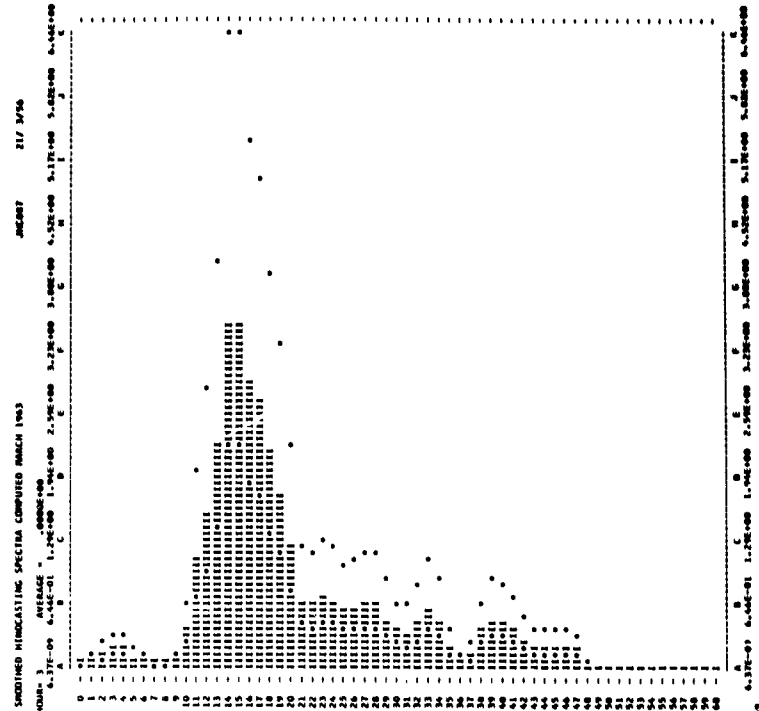
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 20 SIG.MGT. = 20.4 UPPER MGT. = 21.9
 TOTAL DF = 264 CORR. VAR. = 26.1 LOWER MGT. = 19.0
 NOISE LEVEL = .0096 WIND SPEED = 0



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T = 8.1 RECORD = JHCOB7
 HOUR = 3 SIG.MGT. = 23.7 UPPER HGT. = 25.0
 TOTAL OF 192 CORR. VLS. = 35.2 LOWER HGT. = 21.8
 NOISE LEVEL = .0156 WIND SPEED = 0

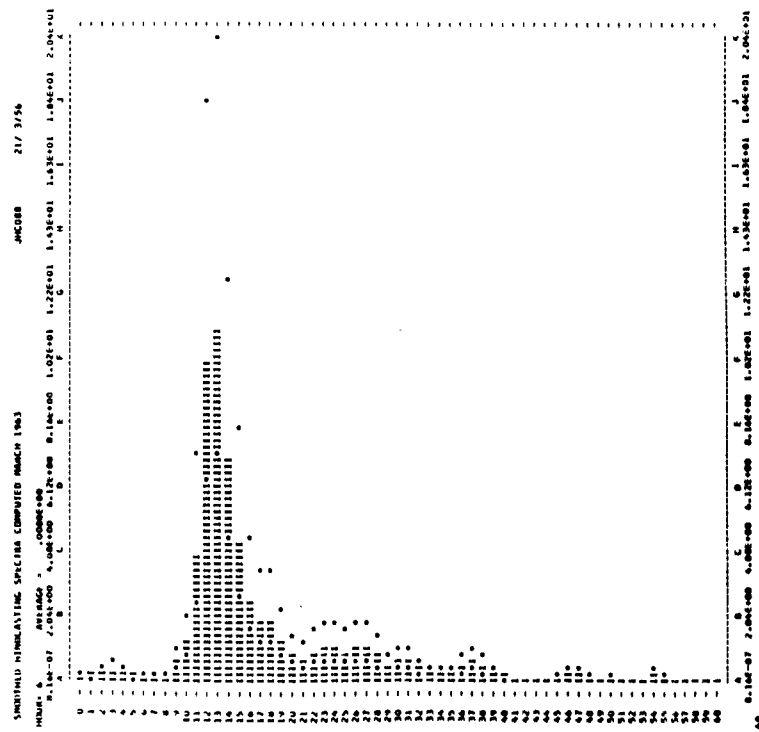
H	FREQ.	UNIT	PT.2	FILTERED	-NOISE	CORR. PT.2	UPPER	LOWER
0	.000		.0978	.0578	.0422	.0422	.0779	.0299
1	.006		.0894	.0894	.0738	.0738	.1361	.0670
2	.011		.1308	.1308	.1164	.1164	.1878	.1084
3	.017		.1946	.1946	.1790	.1790	.2700	.1540
4	.022		.1821	.1821	.1665	.1665	.2670	.1640
5	.028		.1927	.1927	.1771	.1771	.2670	.1640
6	.033		.0931	.0931	.0775	.0775	.1118	.0584
7	.039		.0409	.0409	.0253	.0253	.0432	.0218
8	.044		.0323	.0323	.0167	.0167	.0495	.0230
9	.050		.0704	.0704	.0548	.0548	.0844	.1187
10	.056		.2340	.2340	.2184	.2184	.3439	.2171
11	.061		.3294	.3294	.3138	.3138	.4894	.3027
12	.067		1.3692	1.3692	1.3536	1.3536	1.9394	2.6300
13	.072		1.9629	1.9629	1.9473	1.9473	2.2493	4.1488
14	.078		2.9700	2.9700	2.9544	2.9544	3.5049	6.4436
15	.083		2.8641	2.8641	2.8485	2.8485	3.5049	6.4400
16	.089		2.8932	2.8932	2.8776	2.8776	3.5049	6.4400
17	.094		2.8168	2.8168	2.8012	2.8012	3.5049	6.4400
18	.100		1.9438	1.9438	1.9282	1.9282	2.1819	4.0215
19	.106		1.1893	1.1893	1.1737	1.1737	1.7775	2.8762
20	.111		.7724	.7724	.7568	.7568	1.2282	1.7827
21	.117		.3954	.3954	.3798	.3798	.6426	1.2213
22	.122		.0439	.0439	.0283	.0283	.1182	.1189
23	.128		.0309	.0309	.0153	.0153	.0722	.0729
24	.133		.0102	.0102	.0046	.0046	.0732	.1248
25	.139		.0496	.0496	.0340	.0340	.0699	.1050
26	.144		.0364	.0364	.0208	.0208	.0911	.1050
27	.150		.0349	.0349	.0193	.0193	.0644	1.1914
28	.156		.0346	.0346	.0190	.0190	.1187	1.1402
29	.161		.1481	.1481	.1325	.1325	.4427	3.5149
30	.167		.1050	.1050	.0894	.0894	.3642	.6712
31	.172		.0921	.0921	.0765	.0765	.3498	.6441
32	.178		.1120	.1120	.1064	.1064	.4431	.8104
33	.183		.1153	.1153	.1097	.1097	.5804	1.0698
34	.189		.0884	.0884	.0728	.0728	.4818	.8880
35	.194		.0448	.0448	.0292	.0292	.2282	.4431
36	.200		.0235	.0235	.0079	.0079	.0486	.1285
37	.206		.0299	.0299	.0143	.0143	.1383	.2544
38	.211		.0472	.0472	.0316	.0316	.3422	.4477
39	.217		.0317	.0317	.0161	.0161	.4796	.8841
40	.222		.0653	.0653	.0497	.0497	.4549	.8422
41	.228		.0364	.0364	.0208	.0208	.3171	.7128
42	.233		.0283	.0283	.0127	.0127	.2845	.5281
43	.239		.0215	.0215	.0079	.0079	.1755	.3640
44	.244		.0224	.0224	.0064	.0064	.1937	.3149
45	.250		.0223	.0223	.0064	.0064	.2227	.4104
46	.256		.0208	.0208	.0053	.0053	.2216	.4089
47	.261		.0187	.0187	.0038	.0038	.1439	.2927
48	.267		.0194	.0194	.0033	.0033	.0177	.0324
49	.272		.0129	.0129	.0000	.0000	.0000	.0000
50	.278		.0144	.0144	.0000	.0000	.0000	.0000
51	.283		.0145	.0145	.0000	.0000	.0000	.0000
52	.289		.0146	.0146	.0000	.0000	.0000	.0000
53	.294		.0188	.0188	.0000	.0000	.0000	.0000
54	.300		.0213	.0213	.0002	.0002	.0077	.0027
55	.306		.0175	.0175	.0020	.0020	.0038	.0015
56	.311		.0141	.0141	.0000	.0000	.0000	.0000
57	.317		.0155	.0155	.0000	.0000	.0000	.0000
58	.322		.0137	.0137	.0000	.0000	.0000	.0000
59	.328		.0126	.0126	.0000	.0000	.0000	.0000
60	.333		.0218	.0218	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T = 9.6 RECORD = JHCOB8
 HOUR = 6 SIG.MGT. = 31.0 UPPER HGT. = 34.6
 TOTAL OF 109 CORR. VLS. = 40.1 LOWER HGT. = 27.8
 NOISE LEVEL = .0117 WIND SPEED = 0

H	FREQ.	UNIT	PT.2	FILTERED	-NOISE	CORR. PT.2	UPPER	LOWER
0	.000		.0866	.0866	.0749	.0749	.1381	.0477
1	.006		.1883	.1883	.1766	.1766	.2887	.0997
2	.011		.2867	.2867	.2750	.2750	.4209	.1751
3	.017		.2896	.2896	.2779	.2779	.5122	.1770
4	.022		.2001	.2001	.1884	.1884	.3473	.1200
5	.028		.1221	.1221	.1104	.1104	.2035	.0703
6	.033		.0548	.0548	.0431	.0431	.0697	.0244
7	.039		.0382	.0382	.0265	.0265	.0439	.0170
8	.044		.0805	.0805	.0688	.0688	.0827	.0374
9	.050		.4862	.4862	.4745	.4745	.5574	1.0273
10	.056		1.0289	1.0289	1.0172	1.0172	1.1993	2.1372
11	.061		3.4447	3.4447	3.4330	3.4330	3.8762	7.1444
12	.067		8.7736	8.7736	8.7619	8.7619	9.9386	18.3184
13	.072		9.5921	9.5921	9.5804	9.5804	11.0625	20.3888
14	.078		9.8341	9.8341	9.8224	9.8224	8.9112	12.7184
15	.083		3.4497	3.4497	3.4380	3.4380	4.2914	7.7327
16	.089		1.9475	1.9475	1.9358	1.9358	2.4465	4.5831
17	.094		1.4281	1.4281	1.4164	1.4164	1.9127	3.6294
18	.100		1.3317	1.3317	1.3200	1.3200	1.8846	3.4736
19	.106		.8227	.8227	.8110	.8110	1.2322	2.2711
20	.111		.3158	.3158	.3041	.3041	.8187	1.0000
21	.117		.3804	.3804	.3687	.3687	.6435	1.1861
22	.122		.4713	.4713	.4596	.4596	.8634	1.5950
23	.128		.3207	.3207	.3090	.3090	1.0191	1.6153
24	.133		.4350	.4350	.4233	.4233	.7414	1.7355
25	.139		.3774	.3774	.3657	.3657	.8917	1.6435
26	.144		.3679	.3679	.3562	.3562	.8934	1.7573
27	.150		.3418	.3418	.3301	.3301	.9746	1.7963
28	.156		.2378	.2378	.2261	.2261	.7389	1.3638
29	.161		.1458	.1458	.1341	.1341	.4483	.9001
30	.167		.1457	.1457	.1340	.1340	.5456	1.0056
31	.172		.1309	.1309	.1192	.1192	.5442	1.0031
32	.178		.0822	.0822	.0705	.0705	.3631	.6492
33	.183		.0924	.0924	.0807	.0807	.2369	.4366
34	.189		.0386	.0386	.0270	.0270	.1864	.3402
35	.194		.0450	.0450	.0333	.0333	.2311	.4428
36	.200		.0671	.0671	.0554	.0554	.4784	.8818
37	.206		.0655	.0655	.0538	.0538	.5336	.9836
38	.211		.0477	.0477	.0360	.0360	.4122	.7897
39	.217		.0301	.0301	.0184	.0184	.2443	.4503
40	.222		.0167	.0167	.0074	.0074	.1136	.2149
41	.228		.0119	.0119	.0001	.0001	.0351	.0535
42	.233		.0153	.0153	.0024	.0024	.0340	.0344
43	.239		.0127	.0127	.0010	.0010	.0257	.0474
44	.244		.0098	.0098	.0001	.0001	.0025	.0044
45	.250		.0146	.0146	.0025	.0025	.0746	.1195
46	.256		.0187	.0187	.0052	.0052	.2170	.3494
47	.261		.0147	.0147	.0035	.0035	.1714	.3180
48	.267		.0128	.0128	.0011	.0011	.0449	.1189
49	.272		.0124	.0124	.0007	.0007	.0440	.0403
50	.278		.0127	.0127	.0008	.0008	.0701	.1293
51	.283		.0142	.0142	.0004	.0004	.0474	.0800
52	.289		.0111	.0111	.0000	.0000	.0000	.0000
53	.294		.0114	.0114	.0002	.0002	.0270	.0035
54	.300		.0134	.0134	.0014	.0014	.0734	.0124
55	.306		.0124	.0124	.0003	.0003	.0734	.1354
56	.311		.0084	.0084	.0000	.0000	.0000	.0000
57	.317		.0081	.0081	.0000	.0000	.0000	.0000
58	.322		.0115	.0115	.0000	.0000	.0000	.0000
59	.328		.0135	.0135	.0014	.0014	.0014	.0024
60	.333		.0140	.0140	.0021	.0021	.0021	.0038

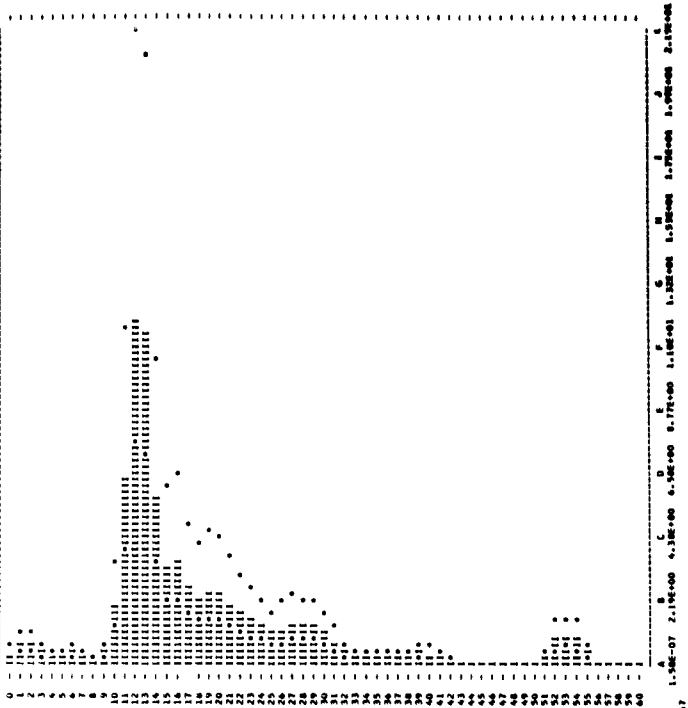


SHOOTING HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T = 6.8 RECORD = JMC000
 HOUR = 0 SIG. HGT. = 36.1 UPPER HGT. = 38.7
 TOTAL DF = 101 CORR. VAR. = 0.771 LOWER HGT. = 31.9
 NOISE LEVEL = 0 WIND SPEED = 0

H	FRE.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3490	.3490	.3138	.3138	.9783	.1900
1	.006	.3929	.3929	.3577	.3577	1.0279	.2361
2	.011	.4368	.4368	.4016	.4016	1.0775	.2722
3	.017	.4807	.4807	.4455	.4455	1.1271	.3083
4	.022	.5246	.5246	.4894	.4894	1.1767	.3444
5	.028	.5685	.5685	.5333	.5333	1.2263	.3805
6	.033	.6124	.6124	.5772	.5772	1.2759	.4166
7	.039	.6563	.6563	.6211	.6211	1.3255	.4527
8	.044	.6999	.6999	.6650	.6650	1.3751	.4888
9	.050	.7438	.7438	.7089	.7089	1.4247	.5249
10	.056	.7877	.7877	.7528	.7528	1.4743	.5610
11	.061	.8316	.8316	.7967	.7967	1.5239	.5971
12	.067	8.7551	10.3191	10.4839	11.0518	21.0104	7.5720
13	.072	9.2288	9.2288	9.2288	11.0518	21.0104	7.2096
14	.078	9.7025	9.7025	9.7025	11.0518	21.0104	6.8472
15	.083	2.7665	2.7665	2.7313	2.7009	0.1960	2.1398
16	.089	2.8147	2.8147	2.7795	2.7522	0.5804	2.2733
17	.094	1.8147	1.8147	1.7947	1.7728	0.1971	1.6637
18	.100	1.8093	1.8093	1.8741	1.8741	0.1421	1.4309
19	.106	1.8783	1.8783	1.9411	1.9411	0.0923	1.2076
20	.111	1.8658	1.8658	1.9503	1.9503	0.3913	1.0714
21	.117	1.2276	1.2276	1.1924	1.1628	2.1012	1.3244
22	.122	.8289	.8289	.8289	1.0996	1.0112	1.0714
23	.128	.7403	.7403	.7051	1.0996	0.9350	0.9165
24	.133	.6939	.6939	.6587	1.2626	2.2904	.9912
25	.139	.6475	.6475	.6123	1.0050	1.8524	.9000
26	.144	.6011	.6011	.5659	1.1920	2.1071	.7990
27	.150	.5547	.5547	.5195	1.2903	2.3783	.6821
28	.156	.5083	.5083	.4731	1.4114	2.7382	.5592
29	.161	.4619	.4619	.4267	1.5549	3.1981	.4363
30	.167	.4155	.4155	.3803	1.7229	3.7656	.3134
31	.172	.3691	.3691	.3329	1.9168	4.4511	.1905
32	.178	.3227	.3227	.2865	2.1379	5.2546	.0676
33	.183	.2763	.2763	.2401	2.3969	6.1861	.0000
34	.189	.2299	.2299	.1937	2.6934	7.2566	.0000
35	.194	.1835	.1835	.1473	3.0283	8.4761	.0000
36	.200	.1371	.1371	.0991	3.4016	9.8556	.0000
37	.206	.0907	.0907	.0509	3.8143	11.4051	.0000
38	.211	.0443	.0443	.0027	4.2674	13.1356	.0000
39	.217	.0000	.0000	.0000	4.7619	15.0561	.0000
40	.222	.0000	.0000	.0000	5.2978	17.1766	.0000
41	.228	.0000	.0000	.0000	5.8751	19.5071	.0000
42	.233	.0000	.0000	.0000	6.4938	22.0576	.0000
43	.239	.0000	.0000	.0000	7.1539	24.8381	.0000
44	.244	.0000	.0000	.0000	7.8554	27.8486	.0000
45	.250	.0000	.0000	.0000	8.6083	31.0891	.0000
46	.256	.0000	.0000	.0000	9.4126	34.5696	.0000
47	.261	.0000	.0000	.0000	10.2683	38.2901	.0000
48	.267	.0000	.0000	.0000	11.1754	42.2606	.0000
49	.272	.0000	.0000	.0000	12.1339	46.4811	.0000
50	.278	.0000	.0000	.0000	13.1438	50.9616	.0000
51	.283	.0000	.0000	.0000	14.2051	55.7021	.0000
52	.289	.0000	.0000	.0000	15.3178	60.7026	.0000
53	.294	.0000	.0000	.0000	16.4819	65.9631	.0000
54	.300	.0000	.0000	.0000	17.6974	71.4836	.0000
55	.306	.0000	.0000	.0000	18.9643	77.2641	.0000
56	.311	.0000	.0000	.0000	20.2826	83.3046	.0000
57	.317	.0000	.0000	.0000	21.6533	89.6051	.0000
58	.322	.0000	.0000	.0000	23.0764	96.1656	.0000
59	.328	.0000	.0000	.0000	24.5519	102.9861	.0000
60	.333	.0000	.0000	.0000	26.0798	109.9666	.0000

SHOOTING HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC0000
 AVERAGE *
 HOUR = 0
 SIG. HGT. = 36.1
 CORR. VAR. = 0.771
 NOISE LEVEL = 0
 WIND SPEED = 0

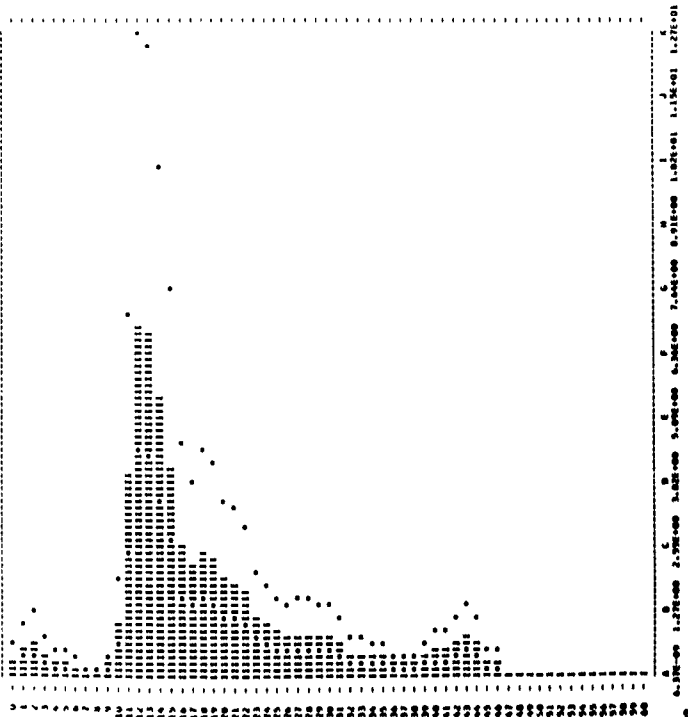


SHOOTING HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 21/ 3/56 AV. T = 6.8 RECORD = JMC090
 HOUR = 12 SIG. HGT. = 30.8 UPPER HGT. = 33.4
 TOTAL DF = 177 CORR. VAR. = 59.3 LOWER HGT. = 28.3
 NOISE LEVEL = .0195 WIND SPEED = 0

H	FRE.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3355	.3355	.3160	.3160	.5824	.2012
1	.006	.3794	.3794	.3442	.3442	.6320	.2373
2	.011	.4233	.4233	.3881	.3881	.6816	.2734
3	.017	.4672	.4672	.4320	.4320	.7312	.3095
4	.022	.5111	.5111	.4759	.4759	.7808	.3456
5	.028	.5550	.5550	.5198	.5198	.8304	.3817
6	.033	.5989	.5989	.5637	.5637	.8800	.4178
7	.039	.6428	.6428	.6076	.6076	.9296	.4539
8	.044	.6867	.6867	.6515	.6515	.9792	.4900
9	.050	.7306	.7306	.6954	.6954	1.0288	.5261
10	.056	.7745	.7745	.7393	.7393	1.0784	.5622
11	.061	3.4687	3.4687	3.4492	3.4492	7.1780	2.4798
12	.067	6.1088	6.1088	6.0873	6.0873	12.7249	4.3966
13	.072	5.9094	5.9094	5.8879	5.8879	12.5353	4.3305
14	.078	4.9938	4.9938	4.9743	4.9743	10.0074	3.4573
15	.083	3.3700	3.3700	3.3505	3.3505	7.5962	2.6249
16	.089	1.9541	1.9541	1.9346	1.9346	4.9601	1.9223
17	.094	1.3757	1.3757	1.3562	1.3562	3.2733	1.3381
18	.100	1.2794	1.2794	1.2599	1.2599	2.4894	1.0544
19	.106	1.1573	1.1573	1.1378	1.1378	1.9462	.8448
20	.111	1.1796	1.1796	1.1601	1.1601	1.4726	.7197
21	.117	1.0464	1.0464	1.0269	1.0269	1.1016	.5946
22	.122	.8886	.8886	.8691	.8691	.8426	.5000
23	.128	.7570	.7570	.7375	.7375	.6476	.4244
24	.133	.6377	.6377	.6182	.6182	.5126	.3600
25	.139	.5305	.5305	.5110	.5110	.4176	.3000
26	.144	.4373	.4373	.4178	.4178	.3426	.2456
27	.150	.3501	.3501	.3306	.3306	.2876	.1966
28	.156	.2673	.2673	.2478	.2478	.2426	.1522
29	.161	.1845	.1845	.1650	.1650	.2076	.1128
30	.167	.1017	.1017	.0822	.0822	.1726	.0734
31	.172	.0553	.0553	.0358	.0358	.1376	.0340
32	.178	.0189	.0189	.0094	.0094	.1026	.0000
33	.183	.0000	.0000	.0000	.0000	.0676	.0000
34	.189	.0000	.0000	.0000	.0000	.0326	.0000
35	.194	.0000	.0000	.0000	.0000	.0000	.0000
36	.200	.0000	.0000	.0000	.0000	.0000	.0000
37	.206	.0000	.0000	.0000	.0000	.0000	.0000
38	.211	.0000	.0000	.0000	.0000	.0000	.0000
39	.217	.0000	.0000	.0000	.0000	.0000	.0000
40	.222	.0000	.0000	.0000	.0000	.0000	.0000
41	.228	.0000	.0000	.0000	.0000	.0000	.0000
42	.233	.0000	.0000	.0000	.0000	.0000	.0000
43	.239	.0000	.0000	.0000	.0000	.0000	.0000
44	.244	.0000	.0000	.0000	.0000	.0000	.0000
45	.250	.0000	.0000	.0000	.0000	.0000	.0000
46	.256	.0000	.0000	.0000	.0000	.0000	.0000
47	.261	.0000	.0000	.0000	.0000	.0000	.0000
48	.267	.0000	.0000	.0000	.0000	.0000	.0000
49	.272	.0000	.0000	.0000	.0000	.0000	.0000
50	.278	.0000	.0000	.0000	.0000	.0000	.0000
51	.283	.0000	.0000	.0000	.0000	.0000	.0000
52	.289	.0000	.0000	.0000	.0000	.0000	.0000
53	.294	.0000	.0000	.0000	.0000	.0000	.0000
54	.300	.0000	.0000	.0000	.0000	.0000	.0000
55	.306	.0000	.0000	.0000	.0000	.0000	.0000
56	.311	.0000	.0000	.0000	.0000	.0000	.0000
57	.317	.0000	.0000	.0000	.0000	.0000	.0000
58	.322	.0000	.0000	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000	.0000
60	.333	.0000	.0000	.0000	.0000	.0000	.0000

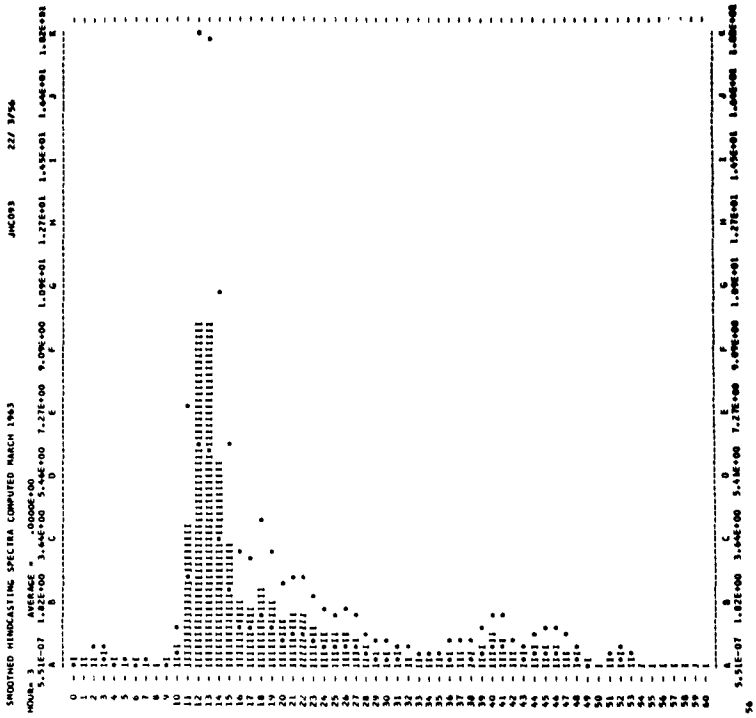
SHOOTING HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC0900
 AVERAGE *
 HOUR = 12
 SIG. HGT. = 30.8
 CORR. VAR. = 59.3
 NOISE LEVEL = .0195
 WIND SPEED = 0



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/56 AV. T = 8.3 RECORD = JMC093
 HOUR = 3 SIG.MGT. = 24.3 UPPER MGT. = 27.0
 TOTAL DF = 120 CORR. VAR. = 60.7 LOWER MGT. = 20.2
 NOISE LEVEL = .0122 WIND SPEED = 0

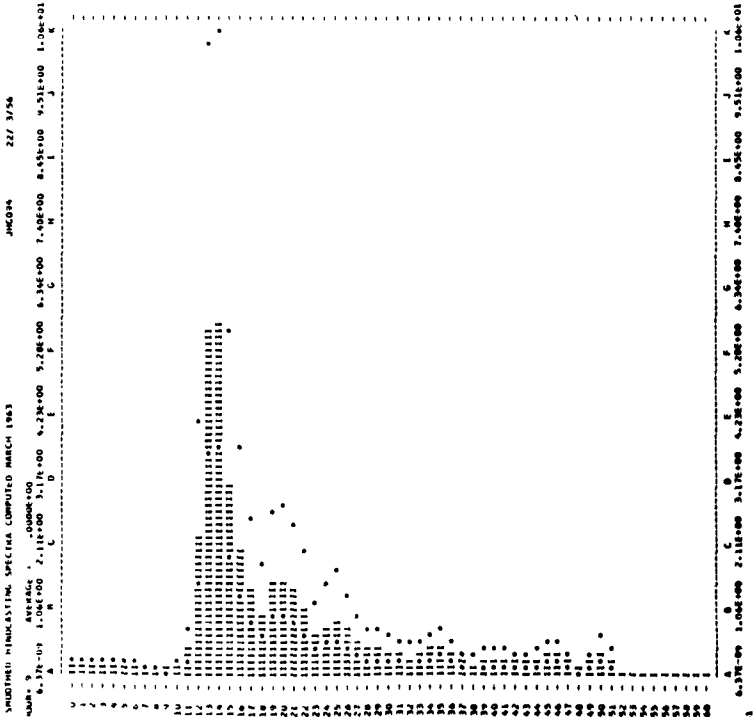
H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER	
0	.000	-1494	-1494	-1332	-1332	-2459	-0848
1	.006	-1879	-1879	-1467	-1467	-2886	-0928
2	.011	-2002	-2002	-1600	-1600	-3471	-1039
3	.017	-2011	-2011	-1809	-1809	-3325	-1189
4	.022	-1470	-1470	-1348	-1348	-2485	-0858
5	.028	-0763	-0763	-0619	-0619	-1141	-0394
6	.033	-0770	-0770	-0648	-0647	-1193	-0467
7	.039	-0754	-0754	-0632	-0649	-1161	-0353
8	.044	-0667	-0667	-0545	-0630	-0782	-01
9	.050	-1233	-1233	-1111	-1305	-2406	-0831
10	.056	-3133	-3133	-3011	-3712	-10529	-3637
11	.061	214355	214355	34233	41911	115405	24090
12	.067	8.7108	8.7108	6.6496	9.8648	16.1861	6.2826
13	.072	8.5084	8.5084	6.4462	9.8106	16.0824	6.2468
14	.078	4.8757	4.8757	4.8635	5.7730	10.6405	3.6799
15	.083	2.8025	2.8025	2.7903	3.4332	6.3279	2.1861
16	.089	1.3443	1.3443	1.3519	1.7365	3.2007	1.1057
17	.094	1.2190	1.2190	1.2068	1.6287	3.0038	1.0377
18	.100	1.5874	1.5874	1.5792	2.2449	4.1451	1.4320
19	.106	1.1811	1.1811	1.1789	1.7911	3.3013	1.1405
20	.111	.7538	.7538	.7416	1.2494	2.5477	.8003
21	.117	.7989	.7989	.7867	1.3724	2.5295	.8738
22	.122	.7508	.7508	.7386	1.3907	2.5632	.8855
23	.128	.5431	.5431	.5309	1.0819	1.9777	.6101
24	.133	.4117	.4117	.3995	.8887	1.6379	.5658
25	.139	.3531	.3531	.3409	.8301	1.5300	.5286
26	.144	.3301	.3301	.3179	.8504	1.5484	.5416
27	.150	.2751	.2751	.2629	.7742	1.4307	.4942
28	.156	.1761	.1761	.1639	.5384	.9887	.3416
29	.161	.1129	.1129	.1007	.3488	.6700	.2335
30	.167	.0994	.0994	.0872	.3351	.6545	.2261
31	.172	.0827	.0827	.0705	.3220	.6394	.2050
32	.178	.0625	.0625	.0503	.2591	.4774	.1450
33	.183	.0533	.0533	.0411	.2393	.4410	.1324
34	.189	.0433	.0433	.0311	.2058	.3793	.1111
35	.194	.0412	.0412	.0290	.1888	.3432	.1033
36	.200	.0559	.0559	.0437	.3775	.6957	.2404
37	.206	.0564	.0564	.0442	.4405	.8119	.2805
38	.211	.0451	.0451	.0329	.3768	.6845	.2199
39	.217	.0540	.0540	.0418	.5549	1.0228	.3533
40	.222	.0343	.0343	.0221	.3834	1.5378	.5313
41	.228	.0577	.0544	.0423	.7413	1.4031	.4847
42	.233	.0257	.0331	.0209	.4416	.8139	.2812
43	.239	.0253	.0311	.0188	.3265	.6017	.2165
44	.244	.0290	.0282	.0160	.4495	.8653	.2989
45	.250	.0314	.0293	.0172	.5977	1.1018	.3805
46	.256	.0256	.0256	.0134	.5962	1.0252	.3562
47	.261	.0198	.0212	.0090	.4481	.8260	.2854
48	.267	.0197	.0179	.0057	.3346	.6241	.2156
49	.272	.0134	.0123	.0064	.2868	.5460	.0836
50	.278	.0100	.0119	.0000	.0000	.0000	.0000
51	.283	.0155	.0140	.0018	.1940	.3978	.1235
52	.289	.0084	.0074	.0011	.1337	.2817	.0817
53	.294	.0135	.0137	.0015	.2422	.4464	.1542
54	.300	.0128	.0121	.0000	.0000	.0000	.0000
55	.306	.0093	.0090	.0000	.0000	.0000	.0000
56	.311	.0093	.0094	.0000	.0000	.0000	.0000
57	.317	.0105	.0103	.0000	.0000	.0000	.0000
58	.322	.0108	.0102	.0000	.0000	.0000	.0000
59	.328	.0126	.0125	.0003	.0003	.0005	.0002
60	.333	.0139	.0132	.0011	.0011	.0020	.0007



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/56 AV. T = 8.2 RECORD = JMC096
 HOUR = 9 SIG.MGT. = 24.3 UPPER MGT. = 27.0
 TOTAL DF = 144 CORR. VAR. = 37.4 LOWER MGT. = 22.3
 NOISE LEVEL = .0089 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER	
0	.000	-1203	-1203	-1114	-1114	-2053	-0709
1	.006	-1401	-1401	-1312	-1312	-2418	-0835
2	.011	-1494	-1494	-1405	-1405	-2590	-0889
3	.017	-1367	-1367	-1239	-1239	-2319	-0801
4	.022	-1408	-1408	-1319	-1319	-2431	-0840
5	.028	-1312	-1312	-1223	-1223	-2254	-0779
6	.033	-0877	-0877	-0788	-0787	-1473	-0517
7	.039	-0329	-0329	-0240	-0330	-0608	-0210
8	.044	-0453	-0453	-0364	-0453	-0936	-0329
9	.050	-0545	-0545	-0456	-0549	-1031	-0354
10	.056	-1007	-1007	-918	-1044	-1929	-0716
11	.061	-3375	-3375	-3486	-3936	-7255	-2500
12	.067	1.4832	1.4832	1.4832	2.2508	4.1464	1.4332
13	.072	4.8849	4.8849	4.8740	5.6303	10.3775	3.5851
14	.078	4.8376	4.8376	4.8287	5.7317	10.5463	3.6496
15	.083	2.4443	2.4443	2.4404	3.0462	5.6478	1.9511
16	.089	1.5762	1.5762	1.5673	2.3132	3.7108	1.2819
17	.094	1.0171	1.0171	1.0052	1.3815	2.5094	.8869
18	.100	.7014	.7014	.6925	.9887	1.8223	.6293
19	.106	.6493	.6493	.6404	1.4591	2.6894	.9291
20	.111	.9207	.9207	.9118	1.4809	2.7294	.9429
21	.117	.7668	.7668	.7579	1.3221	2.4369	.8618
22	.122	.9731	.9731	.9642	1.0423	1.4579	.6764
23	.128	.3313	.3313	.3224	.6282	1.2131	.4191
24	.133	.3624	.3624	.3537	.7867	1.4301	.5010
25	.139	.3747	.3747	.3658	.8907	1.6417	.5671
26	.144	.2732	.2732	.2643	.7021	1.2940	.4470
27	.150	.1424	.1424	.1335	.3418	.4985	.2450
28	.156	.1781	.1781	.1692	.3901	.7190	.2484
29	.161	.1348	.1348	.1259	.3849	.7095	.2451
30	.167	.0457	.0457	.0368	.3534	.6214	.2250
31	.172	.0734	.0734	.0645	.2968	.5470	.1890
32	.178	.0640	.0640	.0551	.2831	.4950	.1676
33	.183	.0544	.0544	.0455	.2648	.4481	.1504
34	.189	.0449	.0449	.0360	.1704	.4827	.1298
35	.194	.0462	.0462	.0373	.1489	.4884	.1265
36	.200	.0434	.0434	.0345	.1746	.5218	.1194
37	.206	.0263	.0263	.0174	.1734	.4878	.1077
38	.211	.0244	.0244	.0155	.17124	.3464	.1352
39	.217	.0240	.0240	.0151	.2208	.4087	.1405
40	.222	.0275	.0275	.0183	.2167	.3993	.1380
41	.228	.0184	.0184	.0095	.1568	.3391	.1141
42	.233	.0184	.0184	.0092	.1734	.3145	.1104
43	.239	.0149	.0149	.0060	.2034	.3749	.1293
44	.244	.0137	.0137	.0040	.2752	.5072	.1732
45	.250	.0174	.0174	.0070	.2403	.3532	.1494
46	.256	.0167	.0167	.0070	.2403	.3532	.1494
47	.261	.0127	.0127	.0038	.1840	.3479	.1184
48	.267	.0085	.0085	.0011	.0771	.1457	.0504
49	.272	.0112	.0112	.0023	.1844	.3040	.1050
50	.278	.0139	.0139	.0017	.3187	.5674	.2029
51	.283	.0113	.0113	.0020	.2094	.3788	.1308
52	.289	.0089	.0089	.0005	.0000	.0000	.0000
53	.294	.0050	.0050	.0000	.0000	.0000	.0000
54	.300	.0064	.0064	.0000	.0000	.0000	.0000
55	.306	.0076	.0076	.0000	.0000	.0000	.0000
56	.311	.0092	.0100	.0011	.0011	.0021	.0007
57	.317	.0141	.0127	.0038	.0038	.0070	.0024
58	.322	.0133	.0133	.0013	.0013	.0040	.0013
59	.328	.0079	.0087	.0000	.0000	.0000	.0000
60	.333	.0059	.0068	.0000	.0000	.0000	.0000

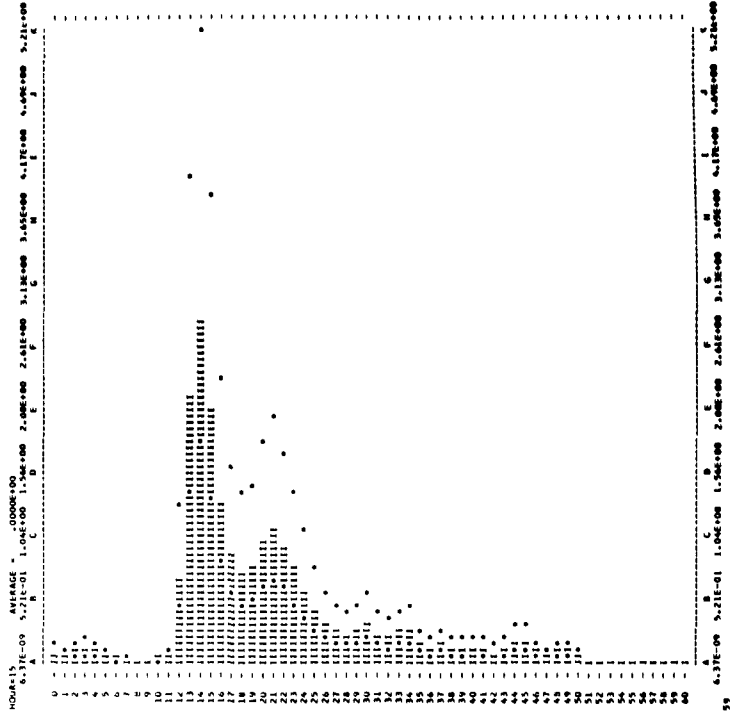


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/66 AV. T = 9.2 RECORD = JMC099
 HOUR = 18 SIG.MGT. = 18.3 UPPER MGT. = 20.0
 TOTAL OF 167 CORR. VAR. = 21.0 LOWER MGT. = 16.0
 NOISE LEVEL = .0087 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0779	.0779	.0718	.1324	.0457
1	.000	.0714	.0714	.0687	.1212	.0419
2	.011	.0922	.0922	.0845	.1595	.0581
3	.017	.1233	.1233	.1176	.2168	.0749
4	.022	.0982	.0982	.0925	.1706	.0589
5	.028	.0917	.0917	.0840	.1649	.0523
6	.033	.0909	.0909	.0832	.1632	.0520
7	.039	.0864	.0864	.0817	.1548	.0506
8	.044	.0816	.0816	.0777	.1492	.0481
9	.050	.0875	.0875	.0818	.1622	.0514
10	.056	.0801	.0801	.0744	.1513	.0477
11	.061	.0873	.0873	.0816	.1623	.0543
12	.067	.0834	.0834	.0777	.1513	.0482
13	.072	1.0034	1.0034	1.0077	2.1913	4.0389
14	.078	2.3879	2.3879	2.3822	2.8277	3.2119
15	.083	1.7056	1.7056	1.6999	2.0916	3.8531
16	.089	1.0091	1.0091	.9994	1.2038	2.3682
17	.094	.6322	.6322	.6448	.6731	1.0092
18	.100	.5320	.5320	.5263	.5519	1.3850
19	.106	.5386	.5386	.5229	.5645	1.6466
20	.111	.6139	.6139	.6072	.6312	1.8189
21	.117	.6307	.6307	.6250	1.0903	2.0096
22	.122	.5073	.5073	.5016	.5443	1.7408
23	.128	.3744	.3744	.3707	.3848	1.2198
24	.133	.2499	.2499	.2442	.2577	1.0833
25	.139	.1807	.1807	.1750	.1822	.7853
26	.144	.1274	.1274	.1217	.1274	.5798
27	.150	.0934	.0934	.0877	.1390	.4774
28	.156	.0787	.0787	.0730	.1223	.4283
29	.161	.0783	.0783	.0726	.1045	.4184
30	.167	.0802	.0802	.0745	.1035	.3593
31	.172	.0849	.0849	.0792	.1221	.4278
32	.178	.0878	.0878	.0821	.1912	.3524
33	.183	.0444	.0444	.0407	.2371	.4349
34	.189	.0431	.0431	.0374	.2476	.4366
35	.194	.0396	.0396	.0339	.1803	.2770
36	.200	.0179	.0179	.0122	.1057	.1947
37	.206	.0196	.0196	.0139	.1382	.2548
38	.211	.0159	.0159	.0102	.1140	.2139
39	.217	.0134	.0134	.0077	.1027	.1892
40	.222	.0117	.0117	.0061	.1251	.2306
41	.228	.0118	.0118	.0061	.1101	.2037
42	.233	.0079	.0079	.0032	.0748	.1415
43	.239	.0091	.0091	.0040	.1003	.1848
44	.244	.0127	.0127	.0073	.1489	.3077
45	.250	.0109	.0109	.0047	.1632	.3007
46	.256	.0069	.0069	.0022	.0907	.1671
47	.261	.0047	.0047	.0013	.0450	.1199
48	.267	.0076	.0076	.0016	.0974	.1744
49	.272	.0073	.0073	.0013	.0957	.1744
50	.278	.0058	.0058	.0005	.0445	.0858
51	.283	.0059	.0059	.0004	.0004	.0007
52	.289	.0065	.0065	.0008	.0008	.0015
53	.294	.0071	.0071	.0017	.0017	.0031
54	.300	.0086	.0086	.0024	.0024	.0044
55	.306	.0080	.0080	.0022	.0022	.0040
56	.311	.0067	.0067	.0011	.0011	.0020
57	.317	.0056	.0056	.0000	.0000	.0000
58	.322	.0039	.0039	.0000	.0000	.0000
59	.328	.0024	.0024	.0000	.0000	.0000
60	.333	.0018	.0018	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

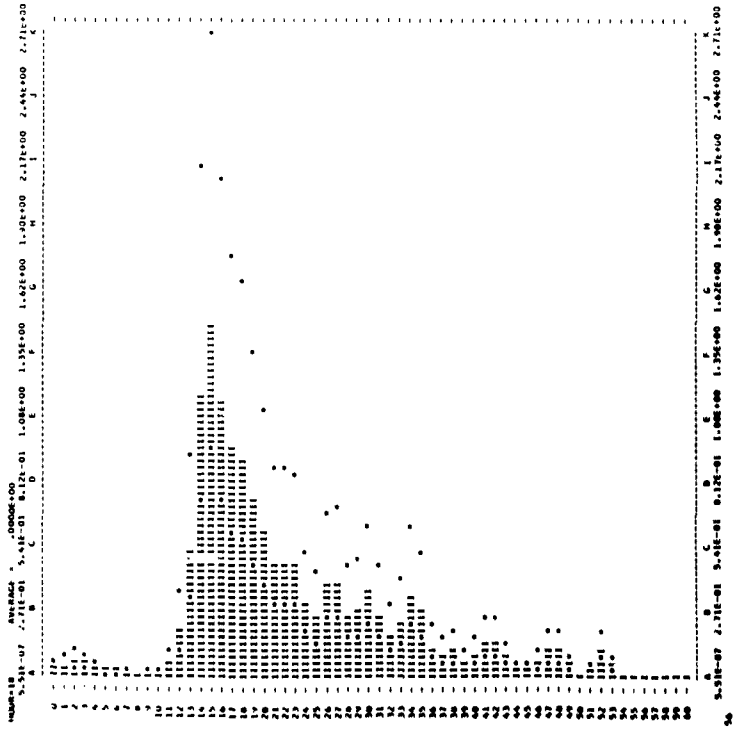


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 3/66 AV. T = 7.5 RECORD = JMC096
 HOUR = 18 SIG.MGT. = 15.0 UPPER MGT. = 16.2
 TOTAL OF 208 CORR. VAR. = 14.1 LOWER MGT. = 13.8
 NOISE LEVEL = .0032 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0287	.0287	.0255	.0469	.0162
1	.006	.0429	.0429	.0397	.0731	.0253
2	.011	.0579	.0579	.0547	.1007	.0346
3	.017	.0489	.0489	.0437	.0805	.0278
4	.022	.0299	.0299	.0266	.0266	.0490
5	.028	.0207	.0207	.0175	.0175	.0322
6	.033	.0155	.0155	.0123	.0148	.0365
7	.039	.0117	.0117	.0085	.0116	.0214
8	.044	.0078	.0078	.0046	.0057	.0105
9	.050	.0097	.0097	.0065	.0076	.0140
10	.056	.0174	.0174	.0092	.0104	.0192
11	.061	.0000	.0000	.0000	.0000	.0000
12	.067	.1492	.1492	.1464	.1882	.3470
13	.072	.4406	.4406	.4378	.5070	.9108
14	.078	.4817	.4817	.4789	1.1614	2.1407
15	.083	1.1970	1.1970	1.1938	1.4488	2.7072
16	.089	.8883	.8883	.8851	1.1369	2.0956
17	.094	.7114	.7114	.7082	.9563	1.7626
18	.100	.6324	.6324	.6292	.8863	1.6556
19	.106	.4894	.4894	.4862	.7396	1.3614
20	.111	.3744	.3744	.3712	.6028	1.1111
21	.117	.2703	.2703	.2671	.4659	.8586
22	.122	.2510	.2510	.2478	.4485	.8598
23	.128	.2241	.2241	.2209	.4509	.8310
24	.133	.1320	.1320	.1288	.2864	.4279
25	.139	.0989	.0989	.0957	.2329	.4243
26	.144	.1427	.1427	.1395	.3733	.6880
27	.150	.1350	.1350	.1318	.3990	.7170
28	.156	.0792	.0792	.0760	.2486	.4582
29	.161	.0764	.0764	.0733	.2488	.4917
30	.167	.0648	.0648	.0616	.3402	.4271
31	.172	.0542	.0542	.0510	.2535	.4709
32	.178	.0346	.0346	.0314	.1615	.2978
33	.183	.0418	.0418	.0386	.2244	.4136
34	.189	.0515	.0515	.0483	.3326	.6127
35	.194	.0384	.0384	.0352	.2728	.5024
36	.200	.0187	.0187	.0155	.1142	.2142
37	.206	.0116	.0116	.0084	.0829	.1528
38	.211	.0114	.0114	.0082	.0991	.1827
39	.217	.0081	.0081	.0049	.0845	.1189
40	.222	.0079	.0079	.0047	.0858	.1391
41	.228	.0113	.0113	.0081	.1248	.2302
42	.233	.0092	.0092	.0060	.1249	.2338
43	.239	.0063	.0063	.0031	.0723	.1332
44	.244	.0038	.0038	.0006	.0304	.0540
45	.250	.0042	.0042	.0010	.0334	.0618
46	.256	.0046	.0046	.0015	.0676	.1156
47	.261	.0096	.0096	.0032	.0971	.1740
48	.267	.0090	.0090	.0018	.0957	.1784
49	.272	.0038	.0038	.0006	.0419	.0771
50	.278	.0027	.0027	.0000	.0000	.0000
51	.283	.0032	.0032	.0002	.0221	.0407
52	.289	.0047	.0047	.0008	.1070	.1972
53	.294	.0017	.0017	.0003	.0487	.0824
54	.300	.0020	.0020	.0000	.0000	.0000
55	.306	.0024	.0024	.0000	.0000	.0000
56	.311	.0028	.0028	.0000	.0000	.0000
57	.317	.0022	.0022	.0000	.0000	.0000
58	.322	.0022	.0022	.0000	.0000	.0000
59	.328	.0011	.0011	.0000	.0000	.0000
60	.333	.0054	.0054	.0018	.0018	.0010

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

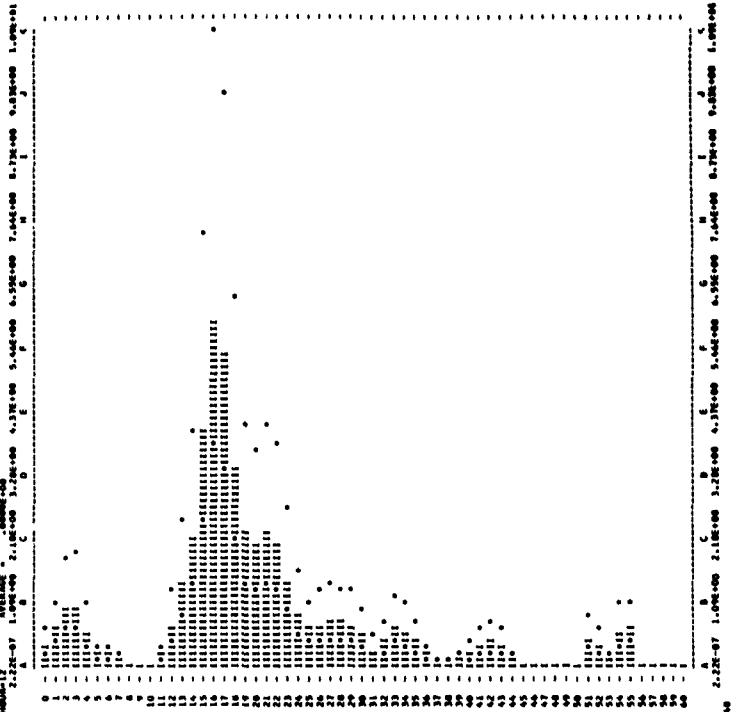


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T = 7.0 RECORD = JMC101
 HOUR = 12 SIG.MGT. = 27.0 UPPER MGT. = 20.3
 TOTAL DP = 182 CORR. VAL. = 40.9 LOWER MGT. = 25.6
 NOISE LEVEL = .0317 WIND SPEED = 50

H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3004	.3004	.3487	.3487	.6426	.2220
1	.006	.6430	.6430	.6121	.6121	1.1281	.2897
2	.011	1.0944	1.0944	1.0227	1.0227	1.6809	.6512
3	.017	1.6487	1.6487	1.5370	1.5370	1.9113	.6403
4	.022	.6201	.6201	.5964	.5964	1.9992	.3797
5	.028	.2353	.2353	.2306	.2306	.2792	.1796
6	.033	.1590	.1590	.1281	.2009	.3814	.1317
7	.039	.1200	.1200	.0963	.1323	.2636	.0962
8	.044	.0830	.0830	.0603	.0852	.0495	.0161
9	.050	.0460	.0460	.0353	.0497	.0179	.0062
10	.056	.0475	.0475	.0158	.0180	.0331	.0114
11	.061	.1792	.1792	.1475	.1469	.2009	.1508
12	.067	.6353	.6353	.6036	.6044	1.2619	.4359
13	.072	1.2211	1.2211	1.1894	1.3734	2.5313	.8745
14	.078	1.8723	1.8723	1.8006	2.1647	4.0266	1.3911
15	.083	3.3030	3.3030	3.2721	4.6259	7.4294	2.5635
16	.089	4.6428	4.6428	4.6111	5.9229	10.9160	3.7714
17	.094	3.7717	3.7717	3.7400	5.3264	6.8214	3.3029
18	.100	2.4234	2.4234	2.3917	3.4166	6.2936	2.1762
19	.106	1.9312	1.9312	1.4999	2.2781	4.1909	1.4306
20	.111	1.0964	1.0964	1.0227	1.0424	3.6648	.8066
21	.117	1.3170	1.3170	1.2853	2.2420	4.1324	1.4278
22	.122	1.1197	1.1197	1.0880	2.0486	3.7759	1.3043
23	.128	.7491	.7491	.7174	1.4448	1.174	.8066
24	.133	.4319	.4319	.4002	.8901	1.6409	.5667
25	.139	.2870	.2870	.2553	.6213	1.1634	.3958
26	.144	.1923	.1923	.1606	.4874	.8066	.2669
27	.150	.2927	.2927	.2610	.7704	1.4200	.4966
28	.156	.2910	.2910	.2193	.7173	1.2229	.4549
29	.161	.2214	.2214	.1897	.6904	.8779	.3396
30	.167	.1594	.1594	.1277	.5063	.9295	.2211
31	.172	.0911	.0911	.0594	.2710	.4499	.1726
32	.178	.1130	.1130	.0813	.4370	.5190	.1984
33	.183	.1396	.1396	.1079	.6276	1.1564	.2996
34	.189	.1197	.1197	.0880	.5817	1.0722	.2704
35	.194	.0860	.0860	.0600	.4090	.7130	.1984
36	.200	.0529	.0529	.0212	.1827	.3367	.1163
37	.206	.0359	.0359	.0036	.0373	.0687	.0237
38	.211	.0361	.0361	.0151	.0385	.0709	.0249
39	.217	.0387	.0387	.0070	.0924	.1702	.0586
40	.222	.0440	.0440	.0161	.2176	.4011	.1384
41	.228	.0527	.0527	.0342	.3442	.6134	.2191
42	.233	.0520	.0520	.0191	.4034	.7435	.2569
43	.239	.0467	.0467	.0134	.3332	.6129	.2121
44	.244	.0342	.0342	.0064	.1441	.2654	.0910
45	.250	.0295	.0295	.0000	.0000	.0000	.0000
46	.256	.0295	.0295	.0000	.0000	.0000	.0000
47	.261	.0264	.0264	.0000	.0000	.0000	.0000
48	.267	.0221	.0221	.0000	.0000	.0000	.0000
49	.272	.0223	.0223	.0000	.0000	.0000	.0000
50	.278	.0311	.0311	.0000	.0000	.0000	.0000
51	.283	.0396	.0362	.0045	.4742	.8741	.3020
52	.289	.0346	.0346	.0028	.3432	.6899	.2313
53	.294	.0293	.0293	.0000	.0000	.0000	.0000
54	.300	.0340	.0340	.0029	.5850	1.0415	.3598
55	.306	.0374	.0374	.0025	.6018	1.1092	.3832
56	.311	.0263	.0263	.0000	.0000	.0000	.0000
57	.317	.0207	.0240	.0000	.0000	.0000	.0000
58	.322	.0283	.0278	.0000	.0000	.0000	.0000
59	.328	.0338	.0324	.0000	.0000	.0000	.0000
60	.333	.0333	.0333	.0018	.0018	.0033	.0012

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963 JMC101
 AVERAGE = 0.0000000
 MINIMUM = 2.22E-07 1.00E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00
 MAXIMUM = 2.22E-07 1.00E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00

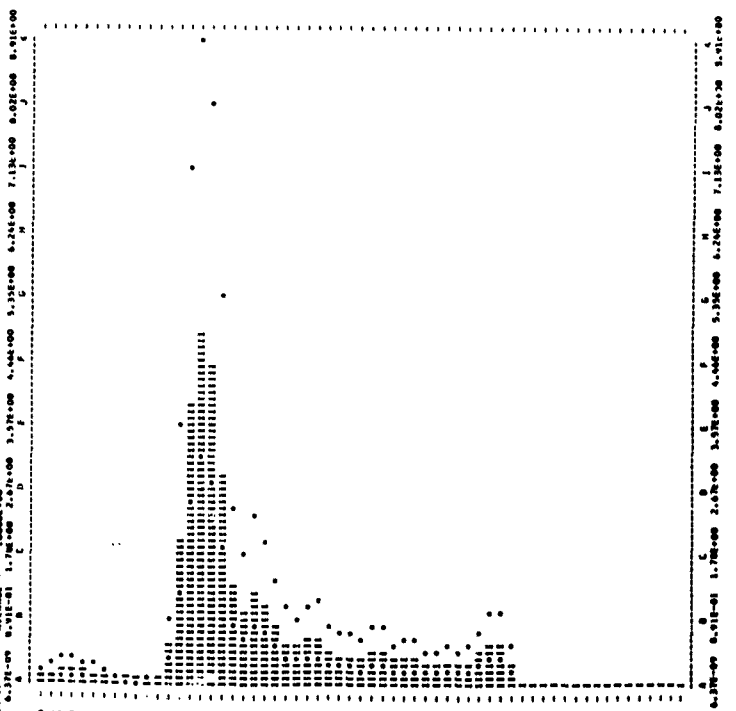


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T = 4.2 RECORD = JMC102
 HOUR = 10 SIG.MGT. = 23.3 UPPER MGT. = 49.6
 TOTAL DP = 143 CORR. VAL. = 33.0 LOWER MGT. = 21.1
 NOISE LEVEL = .0137 WIND SPEED = 30

H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0973	.0973	.0836	.0836	.1940	.0532
1	.006	.1453	.1453	.1316	.1316	.2425	.0838
2	.011	.2064	.2064	.1927	.1927	.355	.1227
3	.017	.2022	.2022	.1885	.1885	.3474	.1200
4	.022	.1805	.1805	.1668	.1668	.3074	.1062
5	.028	.1367	.1367	.1230	.1230	.2746	.0783
6	.033	.0888	.0888	.0751	.0751	.1840	.0564
7	.039	.0444	.0444	.0307	.0307	.0776	.0288
8	.044	.0529	.0529	.0392	.0392	.0888	.0331
9	.050	.0580	.0580	.0443	.0443	.0958	.0331
10	.056	.0478	.0478	.0342	.0342	.0718	.0248
11	.061	.0760	.0760	.0623	.0623	.126	.0403
12	.067	.4975	.4975	.4639	.5034	.9278	.3205
13	.072	1.6762	1.6762	1.6425	1.9196	3.3882	1.2223
14	.078	3.2781	3.2781	3.2444	3.8760	7.1460	2.4880
15	.083	3.9445	3.9445	3.9108	4.8364	8.9162	3.0795
16	.089	3.6183	3.6183	3.5846	4.3732	8.0804	2.7846
17	.094	2.1577	2.1577	2.1240	2.8952	5.3363	1.8539
18	.100	.9194	.9194	.8857	1.2430	2.3832	.8223
19	.106	.6503	.6503	.6166	.8671	1.7875	.6138
20	.111	.7879	.7879	.7542	1.2373	2.3174	.8066
21	.117	.6359	.6359	.6022	1.0853	2.0003	.6910
22	.122	.6312	.6312	.5975	.7800	1.4487	.5005
23	.128	.2932	.2932	.2595	.5705	1.0515	.3633
24	.133	.2403	.2403	.2066	.5039	.9288	.3209
25	.139	.2553	.2553	.2216	.5886	1.0850	.3746
26	.144	.2467	.2467	.2130	.6225	1.1492	.3878
27	.150	.1845	.1845	.1508	.4445	.8192	.2830
28	.156	.1259	.1259	.1122	.3670	.6765	.2337
29	.161	.1210	.1210	.1073	.3506	.6199	.2187
30	.167	.0457	.0457	.0320	.1337	.6150	.2125
31	.172	.1089	.1089	.0952	.4264	.9007	.2766
32	.178	.0963	.0963	.0826	.4405	.8118	.2809
33	.183	.0677	.0677	.0540	.3140	.5787	.1999
34	.189	.0864	.0864	.0727	.3482	.6419	.2217
35	.194	.0885	.0885	.0748	.3359	.6191	.2118
36	.200	.0410	.0410	.0273	.2153	.4337	.1496
37	.206	.0368	.0368	.0231	.2286	.4214	.1456
38	.211	.0317	.0317	.0184	.2162	.4094	.1416
39	.217	.0307	.0307	.0170	.2250	.4147	.1433
40	.222	.0281	.0310	.0173	.2665	.4913	.1697
41	.228	.0312	.0302	.0223	.4009	.6762	.2374
42	.233	.0424	.0389	.0262	.3521	1.0176	.3515
43	.239	.0376	.0353	.0215	.3567	.9834	.3405
44	.244	.0235	.0241	.0190	.4225	1.054	.3849
45	.250	.0170	.0143	.0085	.0184	.0340	.0117
46	.256	.0096	.0104	.0080	.0000	.0000	.0000
47	.261	.011	.0131	.0097	.0000	.0000	.0000
48	.267	.0204	.0192	.0055	.0055	.0101	.0031
49	.272	.0266	.0214	.0077	.0077	.0141	.0049
50	.278	.0158	.0178	.0130	.0036	.0036	.0000
51	.283	.0140	.0144	.0089	.0089	.0018	.0005
52	.289	.0144	.0130	.0080	.0080	.0000	.0000
53	.294	.0088	.0088	.0080	.0080	.0000	.0000
54	.300	.0088	.0102	.0080	.0080	.0000	.0000
55	.306	.0144	.0134	.0080	.0080	.0000	.0000
56	.311	.0162	.0161	.0082	.0082	.0000	.0000
57	.317	.0171	.0169	.0082	.0082	.0000	.0000
58	.322	.0173	.0164	.0085	.0085	.0000	.0000
59	.328	.0136	.0136	.0085	.0085	.0000	.0000
60	.333	.0114	.0120	.0080	.0080	.0000	.0000

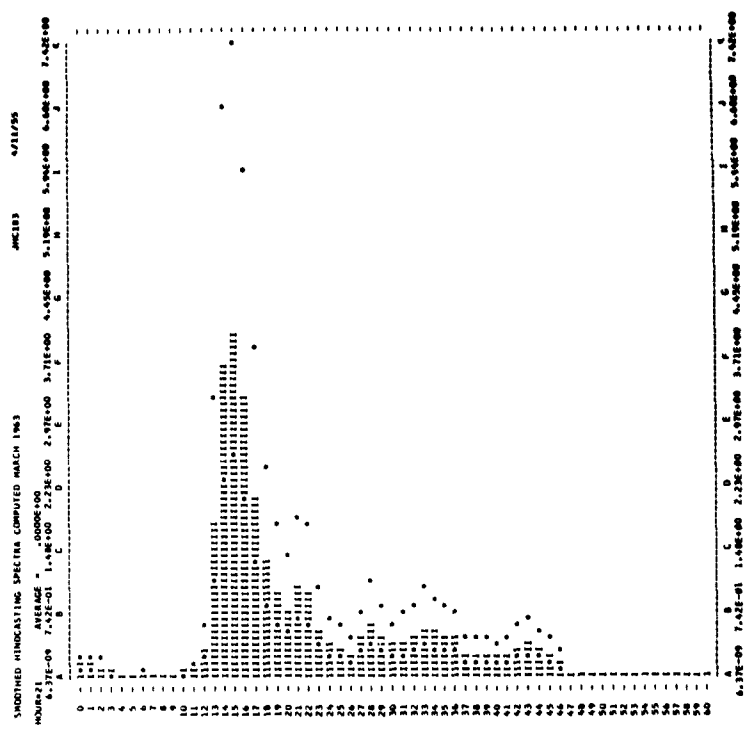
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963 JMC102
 AVERAGE = 0.0000000
 MINIMUM = 6.27E-07 1.00E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00
 MAXIMUM = 6.27E-07 1.00E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00 2.12E+00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 4/11/55 AV. T = 7.9 RECORD = JMC103
 HOUR = 3 SIG.HGT. = 21.7 UPPER HGT. = 23.8
 TOTAL DF = 103 CORR. VAR. = 26.3 LOWER HGT. = 19.7
 NOISE LEVEL = .0153 WIND SPEED = 0

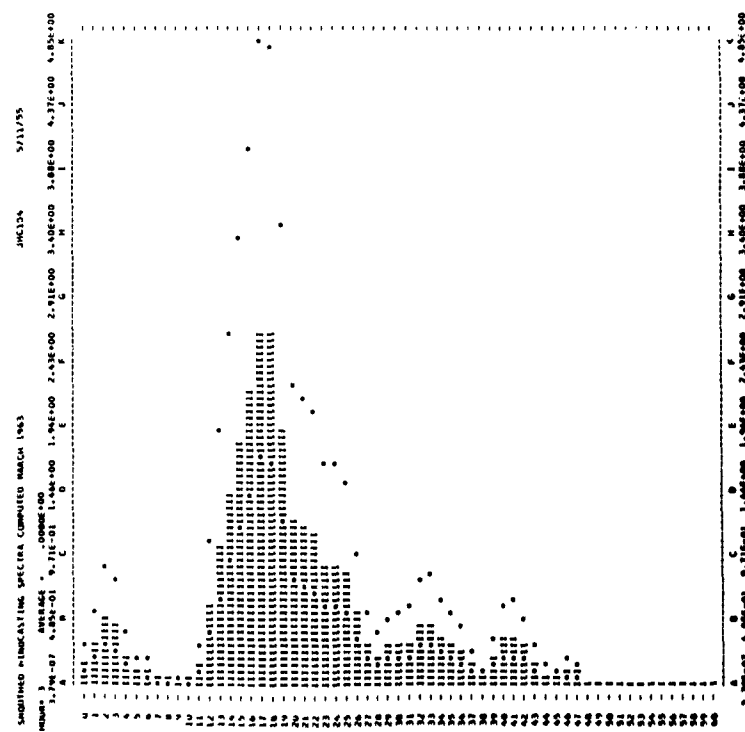
H	FREQ. UNIT	PT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000		.1266	-.1266	-.1113	-.1113	-.2082
1	.006		.1470	-.1470	-.1325	-.1325	-.2443
2	.011		.1210	-.1210	-.1057	-.1057	-.1969
3	.017		.0965	-.0965	-.0799	-.0799	-.1524
4	.022		.0740	-.0740	-.0577	-.0577	-.1119
5	.028		.0537	-.0537	-.0404	-.0404	-.0817
6	.033		.0351	-.0351	-.0270	-.0270	-.0583
7	.039		.0210	-.0210	-.0157	-.0157	-.0360
8	.044		.0166	-.0166	-.0113	-.0113	-.0230
9	.050		.0096	-.0096	-.0062	-.0062	-.0107
10	.056		.0036	-.0036	-.0023	-.0023	-.0078
11	.061		.0022	-.0022	-.0014	-.0014	-.0048
12	.067		.0017	-.0017	-.0010	-.0010	-.0033
13	.072		1.5333	1.5333	1.5180	1.7529	3.2308
14	.078		3.0801	3.0801	3.0648	3.6379	6.7033
15	.083		3.2072	3.2072	3.2119	4.0538	7.4201
16	.089		2.5364	2.5364	2.5211	3.2384	5.9688
17	.094		1.9338	1.9338	1.9385	2.0776	3.8296
18	.100		.9668	.9668	.9133	1.3387	2.4507
19	.106		.6333	.6333	.6180	.9696	1.7867
20	.111		.4030	.4030	.4485	.7409	1.4025
21	.117		.4003	.4003	.4950	1.0205	1.8410
22	.122		.5379	.5379	.5226	.9840	1.8137
23	.128		.8869	.8869	.8712	.5837	1.0204
24	.133		.1814	.1814	.1861	.3489	.4811
25	.139		.1458	.1458	.1505	.3178	.5858
26	.144		.1089	.1089	.1136	.2508	.4611
27	.150		.1578	.1578	.1625	.4708	.7756
28	.156		.1938	.1938	.1785	.5842	1.0768
29	.161		.1177	.1177	.1124	.4238	.7811
30	.167		.0978	.0978	.0825	.3340	.4193
31	.172		.1038	.1038	.0885	.4042	.7449
32	.178		.1387	.1387	.1234	.4404	.6487
33	.183		.1093	.1093	.0940	.3471	1.0084
34	.189		.0901	.0901	.0748	.4949	.9121
35	.194		.0764	.0764	.0611	.4408	.6493
36	.200		.0633	.0633	.0480	.4144	.7442
37	.206		.0387	.0387	.0234	.2323	.4282
38	.211		.0267	.0267	.0114	.2138	.3309
39	.217		.0344	.0344	.0193	.2564	.4724
40	.222		.0242	.0242	.0134	.2063	.3802
41	.228		.0286	.0286	.0131	.2164	.4337
42	.233		.0322	.0322	.0151	.3193	.5885
43	.239		.0296	.0296	.0138	.3440	.6340
44	.244		.0251	.0251	.0124	.2765	.4544
45	.250		.0217	.0217	.0065	.2254	.4154
46	.256		.0185	.0185	.0062	.1720	.3170
47	.261		.0160	.0160	.0050	.1000	.0000
48	.267		.0246	.0246	.0100	.0100	.0083
49	.272		.0327	.0327	.0153	.0282	.0097
50	.278		.0213	.0213	.0142	.0242	.0091
51	.283		.0207	.0207	.0066	.0066	.0121
52	.289		.0137	.0137	.0004	.0004	.0007
53	.294		.0145	.0145	.0000	.0000	.0000
54	.300		.0153	.0153	.0004	.0004	.0007
55	.306		.0176	.0176	.0019	.0019	.0039
56	.311		.0173	.0173	.0020	.0020	.0040
57	.317		.0150	.0150	.0000	.0000	.0000
58	.322		.0124	.0124	.0000	.0000	.0000
59	.328		.0115	.0115	.0000	.0000	.0000
60	.333		.0108	.0111	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T = 8.2 RECORD = JMC104
 HOUR = 3 SIG.HGT. = 21.0 UPPER HGT. = 22.8
 TOTAL DF = 204 CORR. VAR. = 27.6 LOWER HGT. = 19.4
 NOISE LEVEL = .0132 WIND SPEED = 35

H	FREQ. UNIT	PT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000		.1749	-.1749	-.1637	-.1637	-.3018
1	.006		.3046	-.3046	-.2916	-.2916	-.5371
2	.011		.1824	-.1824	-.1792	-.1792	-.3833
3	.017		.1312	-.1312	-.1180	-.1180	-.2705
4	.022		.2306	-.2306	-.2174	-.2174	-.4007
5	.028		.1276	-.1276	-.1144	-.1144	-.2144
6	.033		.0704	-.0704	-.0572	-.0572	-.1704
7	.039		.0389	-.0389	-.0257	-.0257	-.0801
8	.044		.0328	-.0328	-.0196	-.0196	-.0450
9	.050		.0274	-.0274	-.0142	-.0142	-.0308
10	.056		.0396	-.0396	-.0264	-.0264	-.0555
11	.061		.1811	-.1811	-.1479	-.1479	-.3078
12	.067		.5190	-.5190	-.5058	-.5737	-.10575
13	.072		.1821	-.1821	-.1479	-.1479	-.3078
14	.078		.2122	-.2122	-.1990	-.14232	-.24232
15	.083		1.4868	1.4868	1.4736	1.8131	3.3619
16	.089		1.7109	1.7109	1.6977	2.1807	4.0184
17	.094		1.9637	1.9637	1.9505	2.6340	4.8548
18	.100		1.8363	1.8363	1.8231	2.6029	4.7973
19	.106		1.2439	1.2439	1.2307	1.8698	3.4464
20	.111		.7453	.7453	.7321	1.2215	2.2514
21	.117		.6799	.6799	.6667	1.1630	2.1436
22	.122		.5984	.5984	.5852	1.0118	2.0309
23	.128		.4440	.4440	.4328	.8836	1.6286
24	.133		.4151	.4151	.4019	.8940	1.4477
25	.139		.3454	.3454	.3322	.8088	1.4908
26	.144		.2055	.2055	.1923	.5147	.9487
27	.150		.1080	.1080	.0948	.2799	.5159
28	.156		.0773	.0773	.0641	.2098	.3867
29	.161		.0887	.0887	.0755	.2750	.5068
30	.167		.0885	.0885	.0723	.2944	.5627
31	.172		.0800	.0800	.0648	.3050	.5627
32	.178		.0952	.0952	.0820	.4223	.7784
33	.183		.0883	.0883	.0751	.4371	.8056
34	.189		.0638	.0638	.0506	.3480	.6414
35	.194		.0499	.0499	.0367	.2768	.5101
36	.200		.0401	.0401	.0289	.2324	.4283
37	.206		.0276	.0276	.0174	.1731	.2269
38	.211		.0175	.0175	.0103	.0444	.0410
39	.217		.0240	.0240	.0108	.1966	.3623
40	.222		.0375	.0375	.0208	.3164	.5868
41	.228		.0323	.0323	.0188	.3193	.6254
42	.233		.0240	.0240	.0128	.2695	.4986
43	.239		.0195	.0195	.0065	.1824	.2989
44	.244		.0139	.0139	.0056	.0702	.1293
45	.250		.0150	.0150	.0018	.0840	.1180
46	.256		.0162	.0162	.0024	.1011	.1864
47	.261		.0151	.0151	.0015	.0738	.1361
48	.267		.0123	.0123	.0000	.0000	.0000
49	.272		.0112	.0112	.0000	.0000	.0000
50	.278		.0118	.0118	.0000	.0000	.0000
51	.283		.0099	.0099	.0000	.0000	.0000
52	.289		.0093	.0093	.0000	.0000	.0000
53	.294		.0116	.0116	.0000	.0000	.0000
54	.300		.0123	.0116	.0000	.0000	.0000
55	.306		.0104	.0103	.0000	.0000	.0000
56	.311		.0082	.0081	.0000	.0000	.0000
57	.317		.0103	.0118	.0000	.0000	.0000
58	.322		.0186	.0172	.0000	.0000	.0074
59	.328		.0214	.0200	.0000	.0000	.0124
60	.333		.0187	.0200	.0000	.0000	.0044

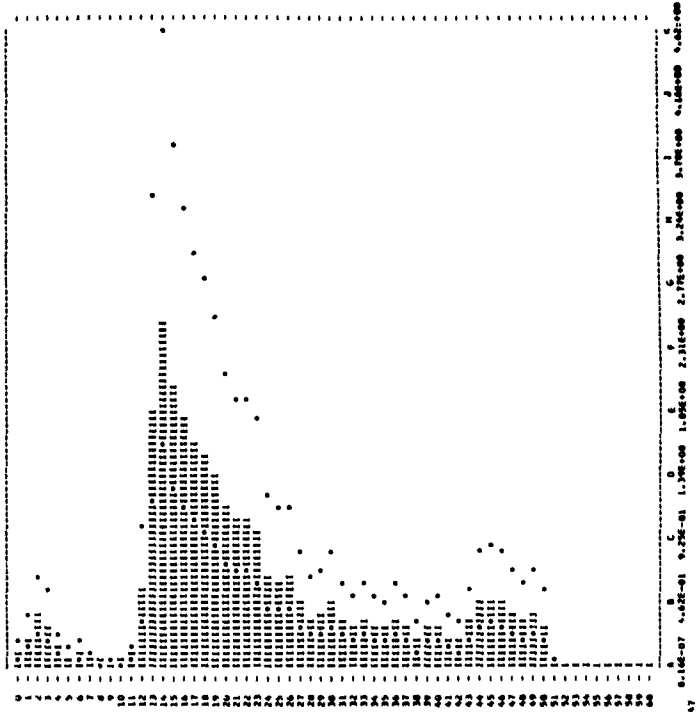


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T = 7.1 RECORD = JMC100
 HOUR = 0 SIG. MET. = 21.4 UPPER MET. = 23.1
 TOTAL OF -143 CORR. VAL. = 28.7 LOWER MET. = 16.9
 NOISE LEVEL = .0121 WIND SPEED = 35

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1112	.1112	.0001	.0001	.0031
1	.004	.2090	.2090	.1939	.1939	.2132
2	.011	.3237	.3237	.3008	.3008	.3232
3	.017	.4129	.4129	.3886	.3886	.4113
4	.022	.4809	.4809	.4588	.4588	.4820
5	.028	.5375	.5375	.5060	.5060	.5311
6	.033	.5873	.5873	.5522	.5522	.5760
7	.039	.6377	.6377	.6036	.6036	.6211
8	.044	.6867	.6867	.6527	.6527	.6760
9	.050	.7241	.7241	.6910	.6910	.7111
10	.056	.7693	.7693	.7327	.7327	.7560
11	.061	.8122	.8122	.7770	.7770	.8011
12	.067	.8529	.8529	.8143	.8143	.8360
13	.072	.8911	.8911	.8546	.8546	.8811
14	.078	.9269	.9269	.8979	.8979	.9160
15	.083	.9604	.9604	.9442	.9442	.9611
16	.089	.9917	.9917	.9835	.9835	.9960
17	.094	1.0207	1.0207	1.0258	1.0258	1.0409
18	.100	1.0474	1.0474	1.0711	1.0711	1.0860
19	.106	1.0720	1.0720	1.1194	1.1194	1.1345
20	.111	1.0945	1.0945	1.1707	1.1707	1.1858
21	.117	1.1149	1.1149	1.2250	1.2250	1.2401
22	.122	1.1333	1.1333	1.2823	1.2823	1.2974
23	.128	1.1497	1.1497	1.3426	1.3426	1.3577
24	.133	1.1641	1.1641	1.4059	1.4059	1.4210
25	.139	1.1766	1.1766	1.4722	1.4722	1.4853
26	.144	1.1872	1.1872	1.5415	1.5415	1.5596
27	.150	1.1959	1.1959	1.6138	1.6138	1.6279
28	.156	1.2027	1.2027	1.6891	1.6891	1.7032
29	.161	1.2077	1.2077	1.7674	1.7674	1.7815
30	.167	1.2111	1.2111	1.8487	1.8487	1.8628
31	.172	1.2130	1.2130	1.9330	1.9330	1.9471
32	.178	1.2135	1.2135	2.0203	2.0203	2.0344
33	.183	1.2126	1.2126	2.1106	2.1106	2.1247
34	.189	1.2103	1.2103	2.2039	2.2039	2.2188
35	.194	1.2066	1.2066	2.3002	2.3002	2.3129
36	.200	1.2015	1.2015	2.4005	2.4005	2.4130
37	.206	1.1950	1.1950	2.5048	2.5048	2.5151
38	.211	1.1871	1.1871	2.6131	2.6131	2.6232
39	.217	1.1778	1.1778	2.7254	2.7254	2.7355
40	.222	1.1671	1.1671	2.8417	2.8417	2.8518
41	.228	1.1550	1.1550	2.9620	2.9620	2.9721
42	.233	1.1415	1.1415	3.0863	3.0863	3.0964
43	.239	1.1266	1.1266	3.2146	3.2146	3.2247
44	.244	1.1103	1.1103	3.3469	3.3469	3.3570
45	.250	1.0926	1.0926	3.4832	3.4832	3.4933
46	.256	1.0735	1.0735	3.6235	3.6235	3.6336
47	.261	1.0530	1.0530	3.7678	3.7678	3.7779
48	.267	1.0311	1.0311	3.9161	3.9161	3.9262
49	.272	1.0078	1.0078	4.0684	4.0684	4.0785
50	.278	0.9831	0.9831	4.2247	4.2247	4.2348
51	.283	0.9570	0.9570	4.3850	4.3850	4.3951
52	.289	0.9295	0.9295	4.5493	4.5493	4.5594
53	.294	0.9006	0.9006	4.7176	4.7176	4.7277
54	.300	0.8703	0.8703	4.8899	4.8899	4.8999
55	.306	0.8386	0.8386	5.0662	5.0662	5.0763
56	.311	0.8055	0.8055	5.2465	5.2465	5.2566
57	.317	0.7710	0.7710	5.4308	5.4308	5.4409
58	.322	0.7351	0.7351	5.6191	5.6191	5.6292
59	.328	0.6978	0.6978	5.8114	5.8114	5.8215
60	.333	0.6591	0.6591	6.0077	6.0077	6.0178

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0
 SIG. MET. = 21.4
 CORR. VAL. = 28.7
 LOWER MET. = 16.9
 NOISE LEVEL = .0121
 WIND SPEED = 35

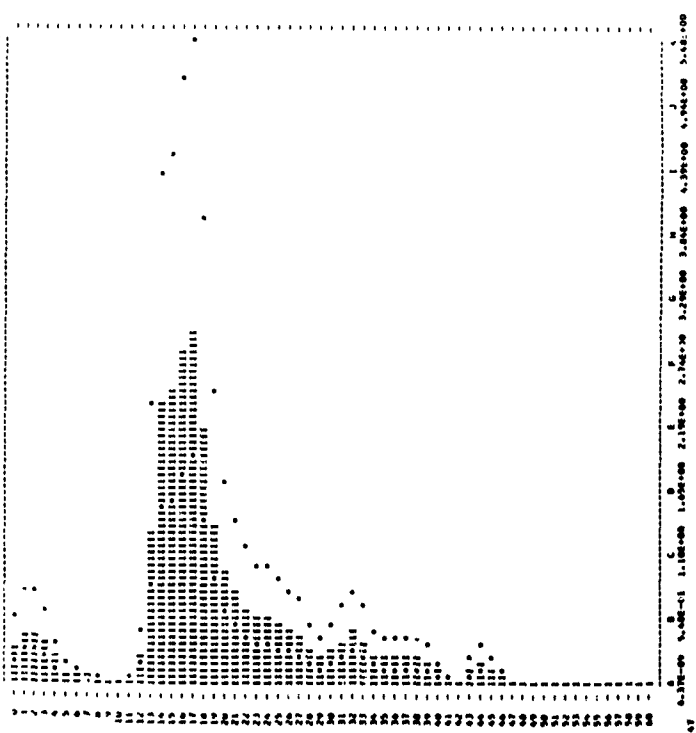


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/55 AV. T = 8.7 RECORD = JMC100
 HOUR = 15 SIG. MET. = 20.3 UPPER MET. = 22.2
 TOTAL OF -143 CORR. VAL. = 25.8 LOWER MET. = 16.3
 NOISE LEVEL = .0110 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3001	.3001	.2891	.2891	.3328
1	.006	.4147	.4147	.4037	.4037	.4474
2	.011	.4178	.4178	.4068	.4068	.4500
3	.017	.3353	.3353	.3263	.3263	.3707
4	.022	.2041	.2041	.1941	.1941	.2389
5	.028	.0907	.0907	.0797	.0797	.1249
6	.033	.0390	.0390	.0280	.0280	.0728
7	.039	.0319	.0319	.0229	.0229	.0608
8	.044	.0305	.0305	.0195	.0195	.0555
9	.050	.0214	.0214	.0104	.0104	.0408
10	.056	.0207	.0207	.0097	.0097	.0360
11	.061	.0281	.0281	.0171	.0171	.0523
12	.067	.2158	.2158	.2048	.2048	.2482
13	.072	1.1177	1.1177	1.1067	1.1067	1.3137
14	.078	1.4958	1.4958	1.4848	1.4848	1.7401
15	.083	1.4981	1.4981	1.4871	1.4871	1.7428
16	.089	2.1781	2.1781	2.1671	2.1671	2.5006
17	.094	2.2147	2.2147	2.2037	2.2037	2.6850
18	.100	1.5086	1.5086	1.4976	1.4976	1.8116
19	.106	.4817	.4817	.4707	.4707	.5538
20	.111	.4747	.4747	.4637	.4637	.5469
21	.117	.4673	.4673	.4563	.4563	.5399
22	.122	.3458	.3458	.3348	.3348	.3906
23	.128	.2046	.2046	.1936	.1936	.2353
24	.133	.0906	.0906	.0796	.0796	.1200
25	.139	.0318	.0318	.0208	.0208	.0657
26	.144	.0304	.0304	.0194	.0194	.0604
27	.150	.0211	.0211	.0101	.0101	.0401
28	.156	.0204	.0204	.0094	.0094	.0354
29	.161	.0280	.0280	.0170	.0170	.0507
30	.167	1.1177	1.1177	1.1067	1.1067	1.3137
31	.172	1.4958	1.4958	1.4848	1.4848	1.7401
32	.178	1.4981	1.4981	1.4871	1.4871	1.7428
33	.183	2.1781	2.1781	2.1671	2.1671	2.5006
34	.189	2.2147	2.2147	2.2037	2.2037	2.6850
35	.194	1.5086	1.5086	1.4976	1.4976	1.8116
36	.200	.4817	.4817	.4707	.4707	.5538
37	.206	.4747	.4747	.4637	.4637	.5469
38	.211	.4673	.4673	.4563	.4563	.5399
39	.217	.3458	.3458	.3348	.3348	.3906
40	.222	.2046	.2046	.1936	.1936	.2353
41	.228	.0906	.0906	.0796	.0796	.1200
42	.233	.0318	.0318	.0208	.0208	.0657
43	.239	.0304	.0304	.0194	.0194	.0604
44	.244	.0211	.0211	.0101	.0101	.0401
45	.250	.0204	.0204	.0094	.0094	.0354
46	.256	.0280	.0280	.0170	.0170	.0507
47	.261	1.1177	1.1177	1.1067	1.1067	1.3137
48	.267	1.4958	1.4958	1.4848	1.4848	1.7401
49	.272	1.4981	1.4981	1.4871	1.4871	1.7428
50	.278	2.1781	2.1781	2.1671	2.1671	2.5006
51	.283	2.2147	2.2147	2.2037	2.2037	2.6850
52	.289	1.5086	1.5086	1.4976	1.4976	1.8116
53	.294	.4817	.4817	.4707	.4707	.5538
54	.300	.4747	.4747	.4637	.4637	.5469
55	.306	.4673	.4673	.4563	.4563	.5399
56	.311	.3458	.3458	.3348	.3348	.3906
57	.317	.2046	.2046	.1936	.1936	.2353
58	.322	.0906	.0906	.0796	.0796	.1200
59	.328	.0318	.0318	.0208	.0208	.0657
60	.333	.0304	.0304	.0194	.0194	.0604

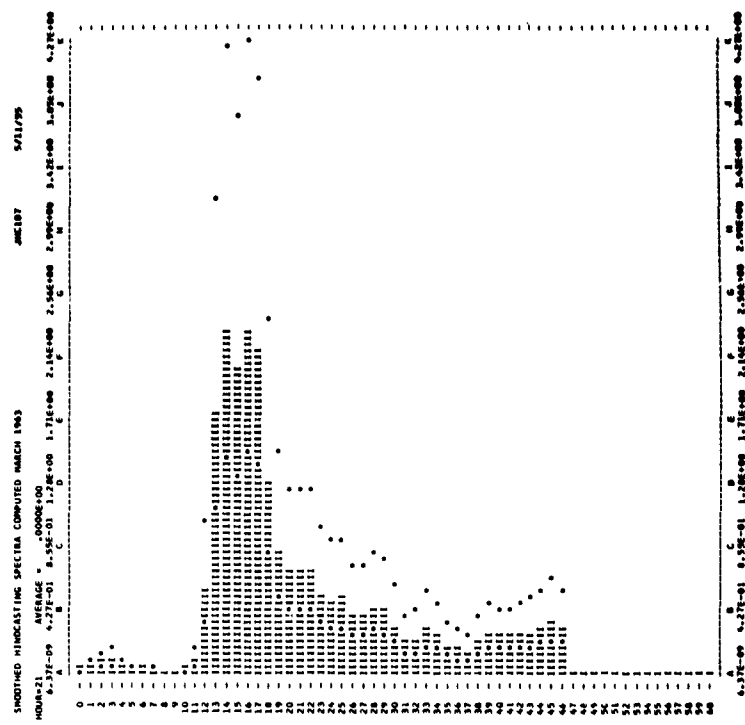
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 15
 SIG. MET. = 20.3
 CORR. VAL. = 25.8
 LOWER MET. = 16.3
 NOISE LEVEL = .0110
 WIND SPEED = 25



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 5/11/58 AV. T = 7.7 RECORD = JMC107
 HOUR = 21 SIG.MGT. = 10.2 UPPER MGT. = 20.9
 TIME OF DAY = 193 CORR. VAL. = 23.1 LOWER MGT. = 17.7
 NOISE LEVEL = .0009 WIND SPEED = 35

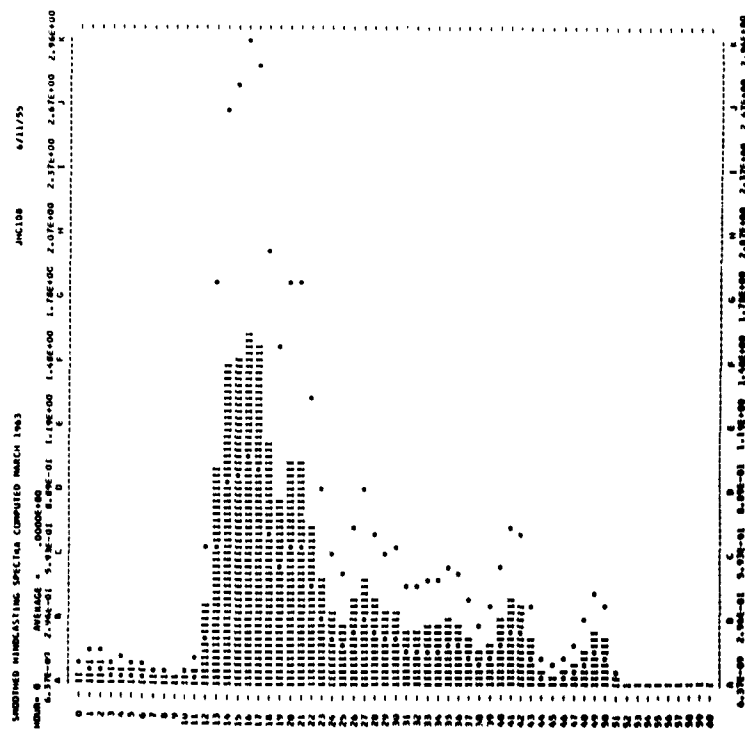
H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0376	.0287	.0287	.0528	.0183	
1	.006	.0504	.0304	.0315	.0615	.0204	
2	.011	.0632	.0323	.0335	.0702	.0223	
3	.017	.0760	.0342	.0354	.0789	.0242	
4	.022	.0888	.0361	.0375	.0876	.0261	
5	.028	.1016	.0380	.0396	.0963	.0280	
6	.033	.1144	.0399	.0411	.1050	.0299	
7	.039	.1272	.0418	.0427	.1137	.0318	
8	.044	.1400	.0437	.0442	.1224	.0337	
9	.050	.1528	.0456	.0461	.1311	.0356	
10	.056	.1656	.0475	.0480	.1398	.0375	
11	.061	.1784	.0494	.0499	.1485	.0394	
12	.067	.1912	.0513	.0518	.1572	.0413	
13	.072	.2040	.0532	.0537	.1659	.0432	
14	.078	.2168	.0551	.0556	.1746	.0451	
15	.083	.2296	.0570	.0575	.1833	.0470	
16	.089	.2424	.0589	.0594	.1920	.0489	
17	.094	.2552	.0608	.0613	.2007	.0508	
18	.100	.2680	.0627	.0632	.2094	.0527	
19	.106	.2808	.0646	.0651	.2181	.0546	
20	.111	.2936	.0665	.0670	.2268	.0565	
21	.117	.3064	.0684	.0689	.2355	.0584	
22	.122	.3192	.0703	.0708	.2442	.0603	
23	.128	.3320	.0722	.0727	.2529	.0622	
24	.133	.3448	.0741	.0746	.2616	.0641	
25	.139	.3576	.0760	.0765	.2703	.0660	
26	.144	.3704	.0779	.0784	.2790	.0679	
27	.150	.3832	.0798	.0803	.2877	.0698	
28	.156	.3960	.0817	.0822	.2964	.0717	
29	.161	.4088	.0836	.0841	.3051	.0736	
30	.167	.4216	.0855	.0860	.3138	.0755	
31	.172	.4344	.0874	.0879	.3225	.0774	
32	.178	.4472	.0893	.0898	.3312	.0793	
33	.183	.4600	.0912	.0917	.3399	.0812	
34	.189	.4728	.0931	.0936	.3486	.0831	
35	.194	.4856	.0950	.0955	.3573	.0850	
36	.200	.4984	.0969	.0974	.3660	.0869	
37	.206	.5112	.0988	.0993	.3747	.0888	
38	.211	.5240	.1007	.1012	.3834	.0907	
39	.217	.5368	.1026	.1031	.3921	.0926	
40	.222	.5496	.1045	.1050	.4008	.0945	
41	.228	.5624	.1064	.1069	.4095	.0964	
42	.233	.5752	.1083	.1088	.4182	.0983	
43	.239	.5880	.1102	.1107	.4269	.1002	
44	.244	.6008	.1121	.1126	.4356	.1021	
45	.250	.6136	.1140	.1145	.4443	.1040	
46	.256	.6264	.1159	.1164	.4530	.1059	
47	.261	.6392	.1178	.1183	.4617	.1078	
48	.267	.6520	.1197	.1202	.4704	.1097	
49	.272	.6648	.1216	.1221	.4791	.1116	
50	.278	.6776	.1235	.1240	.4878	.1135	
51	.283	.6904	.1254	.1259	.4965	.1154	
52	.289	.7032	.1273	.1278	.5052	.1173	
53	.294	.7160	.1292	.1297	.5139	.1192	
54	.300	.7288	.1311	.1316	.5226	.1211	
55	.306	.7416	.1330	.1335	.5313	.1230	
56	.311	.7544	.1349	.1354	.5400	.1249	
57	.317	.7672	.1368	.1373	.5487	.1268	
58	.322	.7800	.1387	.1392	.5574	.1287	
59	.328	.7928	.1406	.1411	.5661	.1306	
60	.333	.8056	.1425	.1430	.5748	.1325	



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/11/55 AV. T = 7.2 RECORD = JMC108
 HOUR = 0 SIG.MGT. = 17.8 UPPER MGT. = 19.2
 TIME OF DAY = 231 CORR. VAL. = 19.1 LOWER MGT. = 16.5
 NOISE LEVEL = .0094 WIND SPEED = 25

H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0504	.0304	.0310	.0410	.0755	.0261
1	.006	.0632	.0323	.0335	.0497	.0842	.0280
2	.011	.0760	.0342	.0354	.0584	.0929	.0299
3	.017	.0888	.0361	.0375	.0671	.1016	.0318
4	.022	.1016	.0380	.0396	.0758	.1103	.0337
5	.028	.1144	.0399	.0411	.0845	.1190	.0356
6	.033	.1272	.0418	.0427	.0932	.1277	.0375
7	.039	.1400	.0437	.0442	.1019	.1364	.0394
8	.044	.1528	.0456	.0461	.1106	.1451	.0413
9	.050	.1656	.0475	.0480	.1193	.1538	.0432
10	.056	.1784	.0494	.0499	.1280	.1625	.0451
11	.061	.1912	.0513	.0518	.1367	.1712	.0470
12	.067	.2040	.0532	.0537	.1454	.1799	.0489
13	.072	.2168	.0551	.0556	.1541	.1886	.0508
14	.078	.2296	.0570	.0575	.1628	.1973	.0527
15	.083	.2424	.0589	.0594	.1715	.2060	.0546
16	.089	.2552	.0608	.0613	.1802	.2147	.0565
17	.094	.2680	.0627	.0632	.1889	.2234	.0584
18	.100	.2808	.0646	.0651	.1976	.2321	.0603
19	.106	.2936	.0665	.0670	.2063	.2408	.0622
20	.111	.3064	.0684	.0689	.2150	.2495	.0641
21	.117	.3192	.0703	.0708	.2237	.2582	.0660
22	.122	.3320	.0722	.0727	.2324	.2669	.0679
23	.128	.3448	.0741	.0746	.2411	.2756	.0698
24	.133	.3576	.0760	.0765	.2498	.2843	.0717
25	.139	.3704	.0779	.0784	.2585	.2930	.0736
26	.144	.3832	.0798	.0803	.2672	.3017	.0755
27	.150	.3960	.0817	.0822	.2759	.3104	.0774
28	.156	.4088	.0836	.0841	.2846	.3191	.0793
29	.161	.4216	.0855	.0860	.2933	.3278	.0812
30	.167	.4344	.0874	.0879	.3020	.3365	.0831
31	.172	.4472	.0893	.0898	.3107	.3452	.0850
32	.178	.4600	.0912	.0917	.3194	.3539	.0869
33	.183	.4728	.0931	.0936	.3281	.3626	.0888
34	.189	.4856	.0950	.0955	.3368	.3713	.0907
35	.194	.4984	.0969	.0974	.3455	.3800	.0926
36	.200	.5112	.0988	.0993	.3542	.3887	.0945
37	.206	.5240	.1007	.1012	.3629	.3974	.0964
38	.211	.5368	.1026	.1031	.3716	.4061	.0983
39	.217	.5496	.1045	.1050	.3803	.4148	.1002
40	.222	.5624	.1064	.1069	.3890	.4235	.1021
41	.228	.5752	.1083	.1088	.3977	.4322	.1040
42	.233	.5880	.1102	.1107	.4064	.4409	.1059
43	.239	.6008	.1121	.1126	.4151	.4496	.1078
44	.244	.6136	.1140	.1145	.4238	.4583	.1097
45	.250	.6264	.1159	.1164	.4325	.4670	.1116
46	.256	.6392	.1178	.1183	.4412	.4757	.1135
47	.261	.6520	.1197	.1202	.4499	.4844	.1154
48	.267	.6648	.1216	.1221	.4586	.4931	.1173
49	.272	.6776	.1235	.1240	.4673	.5018	.1192
50	.278	.6904	.1254	.1259	.4760	.5105	.1211
51	.283	.7032	.1273	.1278	.4847	.5192	.1230
52	.289	.7160	.1292	.1297	.4934	.5279	.1249
53	.294	.7288	.1311	.1316	.5021	.5366	.1268
54	.300	.7416	.1330	.1335	.5108	.5453	.1287
55	.306	.7544	.1349	.1354	.5195	.5540	.1306
56	.311	.7672	.1368	.1373	.5282	.5627	.1325
57	.317	.7800	.1387	.1392	.5369	.5714	.1344
58	.322	.7928	.1406	.1411	.5456	.5801	.1363
59	.328	.8056	.1425	.1430	.5543	.5888	.1382
60	.333	.8184	.1444	.1449	.5630	.5975	.1401

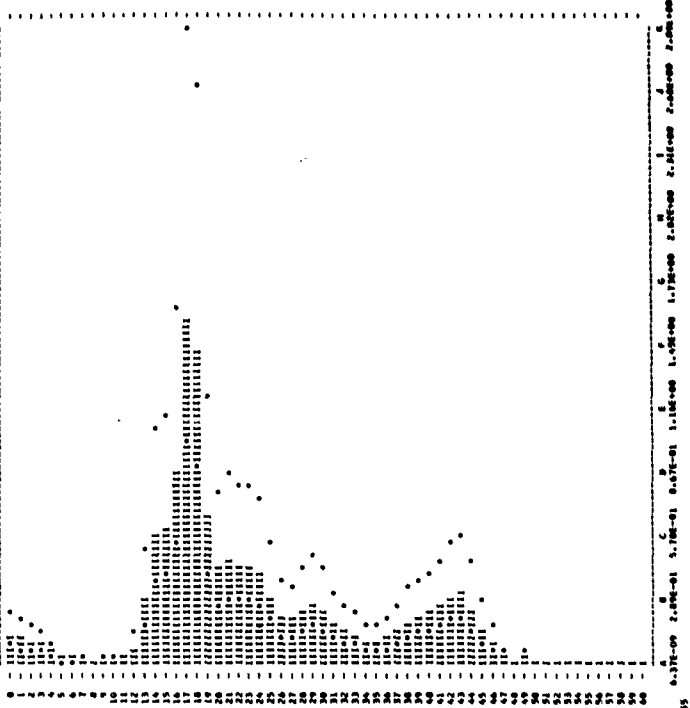


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/11/55 AV. T = 7.1 RECORD = JMC109
 HOUR = 6 SIG.MGT. = 14.5 UPPER MGT. = 15.7
 TOTAL OP = 200 CORR. VAL. = 13.2 LOWER MGT. = 12.4
 NOISE LEVEL = .0000 WIND SPEED = 20

N	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.0000	.1316	.1316	.1260	.1200	.2334	.0000
1	.0004	.1170	.1170	.1120	.1060	.2144	.0000
2	.0111	.0942	.0942	.0892	.0842	.1845	.0000
3	.0117	.0792	.0792	.0742	.0692	.1546	.0000
4	.0222	.0590	.0590	.0540	.0490	.1247	.0000
5	.0228	.0470	.0470	.0420	.0370	.0948	.0000
6	.0333	.0372	.0372	.0322	.0272	.0649	.0000
7	.0339	.0310	.0310	.0260	.0210	.0350	.0000
8	.0444	.0260	.0260	.0210	.0160	.0051	.0000
9	.0450	.0232	.0232	.0182	.0132	.0000	.0000
10	.0556	.0196	.0196	.0146	.0096	.0000	.0000
11	.0561	.0257	.0257	.0207	.0157	.0000	.0000
12	.0667	.0232	.0232	.0182	.0132	.0000	.0000
13	.0772	.2334	.2334	.2284	.2234	.0000	.0000
14	.0778	.5000	.5000	.4950	.4900	.0000	.0000
15	.0883	.5007	.5007	.4957	.4907	.0000	.0000
16	.0889	.0073	.0073	.0023	.0000	.0000	.0000
17	.0994	1.1061	1.1061	1.1011	1.0961	.0000	.0000
18	.1000	.0003	.0003	.0003	.0003	.0000	.0000
19	.1006	.4333	.4333	.4283	.4233	.0000	.0000
20	.1111	.2674	.2674	.2624	.2574	.0000	.0000
21	.1117	.2792	.2792	.2742	.2692	.0000	.0000
22	.1222	.2381	.2381	.2331	.2281	.0000	.0000
23	.1228	.2163	.2163	.2113	.2063	.0000	.0000
24	.1333	.1871	.1871	.1821	.1771	.0000	.0000
25	.1339	.1272	.1272	.1222	.1172	.0000	.0000
26	.1444	.0799	.0799	.0749	.0699	.0000	.0000
27	.1450	.0711	.0711	.0661	.0611	.0000	.0000
28	.1556	.0790	.0790	.0740	.0690	.0000	.0000
29	.1661	.0794	.0794	.0744	.0694	.0000	.0000
30	.1667	.0814	.0814	.0764	.0714	.0000	.0000
31	.1772	.0415	.0415	.0365	.0315	.0000	.0000
32	.1778	.0332	.0332	.0282	.0232	.0000	.0000
33	.1883	.0246	.0246	.0196	.0146	.0000	.0000
34	.1889	.0199	.0199	.0149	.0099	.0000	.0000
35	.1994	.0173	.0173	.0123	.0073	.0000	.0000
36	.2000	.0176	.0176	.0126	.0076	.0000	.0000
37	.2006	.0188	.0188	.0138	.0088	.0000	.0000
38	.2111	.0211	.0211	.0161	.0111	.0000	.0000
39	.2117	.0205	.0205	.0155	.0105	.0000	.0000
40	.2222	.0189	.0189	.0139	.0089	.0000	.0000
41	.2228	.0190	.0190	.0140	.0090	.0000	.0000
42	.2333	.0197	.0197	.0147	.0097	.0000	.0000
43	.2339	.0185	.0185	.0135	.0085	.0000	.0000
44	.2444	.0182	.0182	.0132	.0082	.0000	.0000
45	.2450	.0087	.0087	.0037	.0000	.0000	.0000
46	.2556	.0077	.0077	.0027	.0000	.0000	.0000
47	.2561	.0094	.0094	.0044	.0000	.0000	.0000
48	.2667	.0036	.0036	.0000	.0000	.0000	.0000
49	.2672	.0049	.0049	.0000	.0000	.0000	.0000
50	.2778	.0008	.0008	.0000	.0000	.0000	.0000
51	.2783	.0007	.0007	.0000	.0000	.0000	.0000
52	.2889	.0053	.0053	.0000	.0000	.0000	.0000
53	.2894	.0039	.0039	.0000	.0000	.0000	.0000
54	.3000	.0035	.0035	.0000	.0000	.0000	.0000
55	.3006	.0030	.0030	.0000	.0000	.0000	.0000
56	.3111	.0029	.0029	.0000	.0000	.0000	.0000
57	.3117	.0044	.0044	.0000	.0000	.0000	.0000
58	.3222	.0058	.0058	.0000	.0000	.0000	.0000
59	.3228	.0040	.0040	.0000	.0000	.0000	.0000
60	.3333	.0063	.0063	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 6/11/55
 HOUR = 6
 TOTAL OP = 200
 SIG.MGT. = 14.5
 CORR. VAL. = 13.2
 NOISE LEVEL = .0000
 UPPER MGT. = 15.7
 LOWER MGT. = 12.4
 WIND SPEED = 20

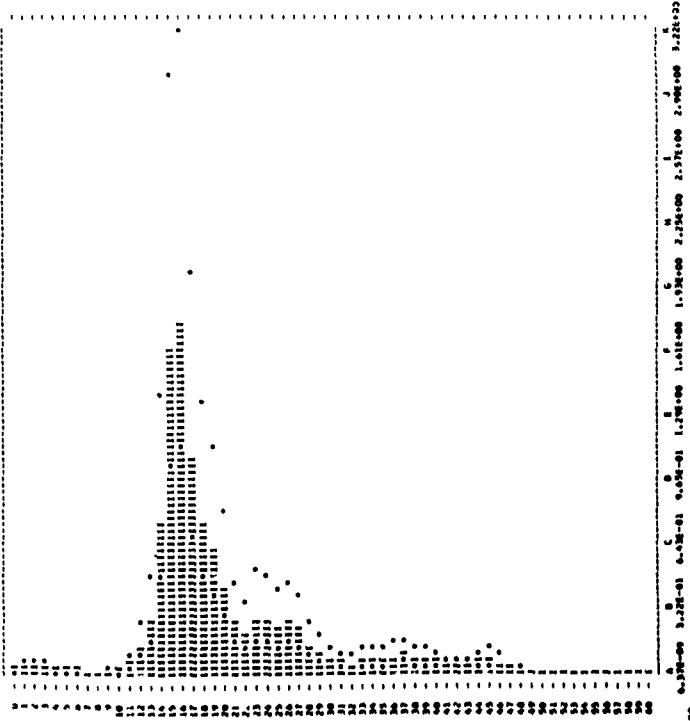


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/5/57 AV. T = 8.6 RECORD = JMC110
 HOUR = 8 SIG.MGT. = 13.0 UPPER MGT. = 14.4
 TOTAL OP = 123 CORR. VAL. = 10.6 LOWER MGT. = 11.7
 NOISE LEVEL = .0021 WIND SPEED = 15

N	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.0000	.0212	.0212	.0191	.0153	.0122	.0000
1	.0004	.0199	.0199	.0178	.0140	.0102	.0000
2	.0111	.0400	.0400	.0379	.0341	.0242	.0000
3	.0117	.0283	.0283	.0262	.0224	.0125	.0000
4	.0222	.0270	.0270	.0249	.0211	.0112	.0000
5	.0228	.0257	.0257	.0236	.0198	.0099	.0000
6	.0333	.0127	.0127	.0106	.0068	.0000	.0000
7	.0339	.0091	.0091	.0070	.0032	.0000	.0000
8	.0444	.0054	.0054	.0033	.0000	.0000	.0000
9	.0450	.0099	.0099	.0078	.0040	.0000	.0000
10	.0556	.0176	.0176	.0155	.0117	.0000	.0000
11	.0561	.0520	.0520	.0499	.0461	.0000	.0000
12	.0667	.1796	.1796	.1775	.1737	.0000	.0000
13	.0672	.2315	.2315	.2294	.2256	.0000	.0000
14	.0778	.6296	.6296	.6275	.6237	.0000	.0000
15	.0883	1.3175	1.3175	1.3154	1.3116	.0000	.0000
16	.0889	1.3609	1.3609	1.3588	1.3550	.0000	.0000
17	.0994	.6001	.6001	.5980	.5942	.0000	.0000
18	.1000	.5156	.5156	.5135	.5097	.0000	.0000
19	.1006	.4274	.4274	.4253	.4215	.0000	.0000
20	.1111	.2866	.2866	.2845	.2807	.0000	.0000
21	.1117	.1643	.1643	.1622	.1584	.0000	.0000
22	.1222	.1016	.1016	.0995	.0957	.0000	.0000
23	.1228	.1350	.1350	.1329	.1291	.0000	.0000
24	.1333	.1236	.1236	.1215	.1177	.0000	.0000
25	.1339	.0945	.0945	.0924	.0886	.0000	.0000
26	.1444	.0925	.0925	.0904	.0866	.0000	.0000
27	.1450	.0755	.0755	.0734	.0696	.0000	.0000
28	.1556	.0456	.0456	.0435	.0397	.0000	.0000
29	.1661	.0300	.0300	.0279	.0241	.0000	.0000
30	.1667	.0207	.0207	.0186	.0148	.0000	.0000
31	.1772	.0130	.0130	.0109	.0071	.0000	.0000
32	.1778	.0109	.0109	.0088	.0050	.0000	.0000
33	.1883	.0127	.0127	.0106	.0068	.0000	.0000
34	.1889	.0131	.0131	.0110	.0072	.0000	.0000
35	.1994	.0110	.0110	.0089	.0051	.0000	.0000
36	.2000	.0113	.0113	.0092	.0054	.0000	.0000
37	.2006	.0107	.0107	.0086	.0048	.0000	.0000
38	.2111	.0070	.0070	.0049	.0011	.0000	.0000
39	.2117	.0070	.0070	.0049	.0011	.0000	.0000
40	.2222	.0043	.0043	.0024	.0000	.0000	.0000
41	.2228	.0033	.0033	.0015	.0000	.0000	.0000
42	.2333	.0035	.0035	.0017	.0000	.0000	.0000
43	.2339	.0042	.0042	.0024	.0000	.0000	.0000
44	.2444	.0041	.0041	.0023	.0000	.0000	.0000
45	.2450	.0041	.0041	.0023	.0000	.0000	.0000
46	.2556	.0030	.0030	.0014	.0000	.0000	.0000
47	.2561	.0025	.0025	.0016	.0000	.0000	.0000
48	.2667	.0023	.0023	.0016	.0000	.0000	.0000
49	.2672	.0019	.0019	.0012	.0000	.0000	.0000
50	.2778	.0015	.0015	.0008	.0000	.0000	.0000
51	.2783	.0016	.0016	.0009	.0000	.0000	.0000
52	.2889	.0023	.0023	.0016	.0000	.0000	.0000
53	.2894	.0020	.0020	.0013	.0000	.0000	.0000
54	.3000	.0018	.0018	.0011	.0000	.0000	.0000
55	.3006	.0022	.0022	.0015	.0000	.0000	.0000
56	.3111	.0026	.0026	.0019	.0000	.0000	.0000
57	.3117	.0024	.0024	.0017	.0000	.0000	.0000
58	.3222	.0019	.0019	.0012	.0000	.0000	.0000
59	.3228	.0018	.0018	.0011	.0000	.0000	.0000
60	.3333	.0019	.0019	.0012	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 22/5/57
 HOUR = 8
 TOTAL OP = 123
 SIG.MGT. = 13.0
 CORR. VAL. = 10.6
 NOISE LEVEL = .0021
 UPPER MGT. = 14.4
 LOWER MGT. = 11.7
 WIND SPEED = 15

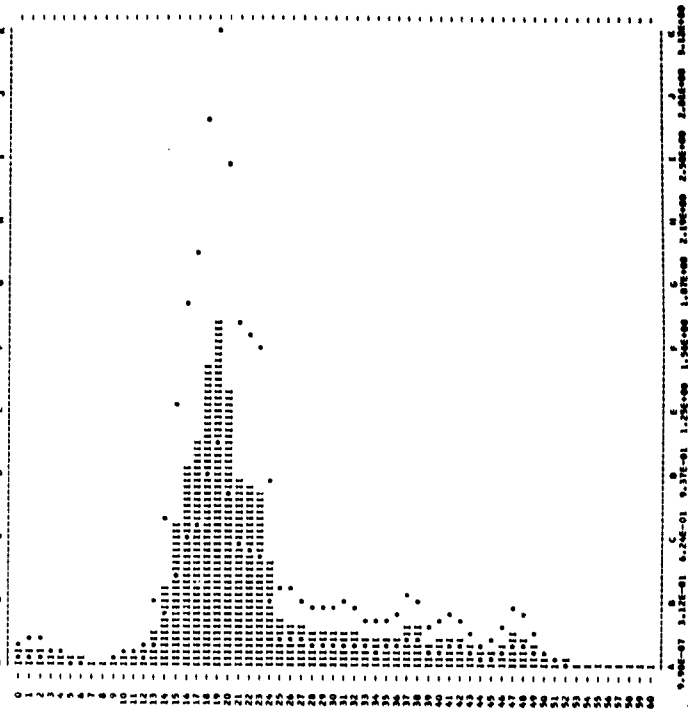


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 AV. T = 7.5 RECORD = JMC111
 HOUR = 13 SIG. HGT. = 15.4 UPPER HGT. = 16.8
 TOTAL DP = 172 CORN. VAR. = 14.8 LOWER HGT. = 16.1
 NOISE LEVEL = .0020 WIND SPEED = 20

H	FREQ.	UNIT	FT.-2	FILTERED	NOISE	CORN. FT.-2	UPPER	LOWER
0	.000			.0000	.0000	.0000	.0007	.0002
1	.006			.0009	.0009	.0009	.0013	.0008
2	.011			.0014	.0014	.0014	.0018	.0012
3	.017			.0021	.0021	.0021	.0027	.0018
4	.022			.0027	.0027	.0027	.0034	.0023
5	.028			.0033	.0033	.0033	.0041	.0028
6	.033			.0039	.0039	.0039	.0048	.0034
7	.039			.0045	.0045	.0045	.0055	.0040
8	.044			.0051	.0051	.0051	.0062	.0045
9	.050			.0057	.0057	.0057	.0069	.0051
10	.056			.0063	.0063	.0063	.0076	.0056
11	.061			.0069	.0069	.0069	.0083	.0061
12	.067			.0075	.0075	.0075	.0091	.0067
13	.072			.0081	.0081	.0081	.0098	.0072
14	.078			.0087	.0087	.0087	.0105	.0078
15	.083			.0093	.0093	.0093	.0112	.0083
16	.089			.0099	.0099	.0099	.0119	.0089
17	.094			.0105	.0105	.0105	.0127	.0094
18	.100			.0111	.0111	.0111	.0130	.0100
19	.106			.0117	.0117	.0117	.0134	.0106
20	.111			.0123	.0123	.0123	.0139	.0111
21	.117			.0129	.0129	.0129	.0144	.0117
22	.122			.0135	.0135	.0135	.0149	.0122
23	.128			.0141	.0141	.0141	.0154	.0128
24	.133			.0147	.0147	.0147	.0159	.0133
25	.139			.0153	.0153	.0153	.0164	.0139
26	.144			.0159	.0159	.0159	.0169	.0144
27	.150			.0165	.0165	.0165	.0174	.0150
28	.156			.0171	.0171	.0171	.0179	.0156
29	.161			.0177	.0177	.0177	.0186	.0161
30	.167			.0183	.0183	.0183	.0192	.0167
31	.172			.0189	.0189	.0189	.0198	.0172
32	.178			.0195	.0195	.0195	.0204	.0178
33	.183			.0201	.0201	.0201	.0210	.0183
34	.189			.0207	.0207	.0207	.0216	.0189
35	.194			.0213	.0213	.0213	.0222	.0194
36	.200			.0219	.0219	.0219	.0228	.0200
37	.206			.0225	.0225	.0225	.0234	.0206
38	.211			.0231	.0231	.0231	.0240	.0211
39	.217			.0237	.0237	.0237	.0246	.0217
40	.222			.0243	.0243	.0243	.0252	.0222
41	.228			.0249	.0249	.0249	.0258	.0228
42	.233			.0255	.0255	.0255	.0264	.0233
43	.239			.0261	.0261	.0261	.0270	.0239
44	.244			.0267	.0267	.0267	.0276	.0244
45	.250			.0273	.0273	.0273	.0282	.0250
46	.256			.0279	.0279	.0279	.0288	.0256
47	.261			.0285	.0285	.0285	.0294	.0261
48	.267			.0291	.0291	.0291	.0300	.0267
49	.272			.0297	.0297	.0297	.0306	.0272
50	.278			.0303	.0303	.0303	.0312	.0278
51	.283			.0309	.0309	.0309	.0318	.0283
52	.289			.0315	.0315	.0315	.0324	.0289
53	.294			.0321	.0321	.0321	.0330	.0294
54	.300			.0327	.0327	.0327	.0336	.0300
55	.306			.0333	.0333	.0333	.0342	.0306
56	.311			.0339	.0339	.0339	.0348	.0311
57	.317			.0345	.0345	.0345	.0354	.0317
58	.322			.0351	.0351	.0351	.0360	.0322
59	.328			.0357	.0357	.0357	.0366	.0328
60	.333			.0363	.0363	.0363	.0372	.0333

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC111 22/ 5/57
 HOUR=13 AVERAGE = .00000000
 SIG. HGT. = 15.4 CORN. VAR. = 14.8 LOWER HGT. = 16.1
 NOISE LEVEL = .0020 WIND SPEED = 20

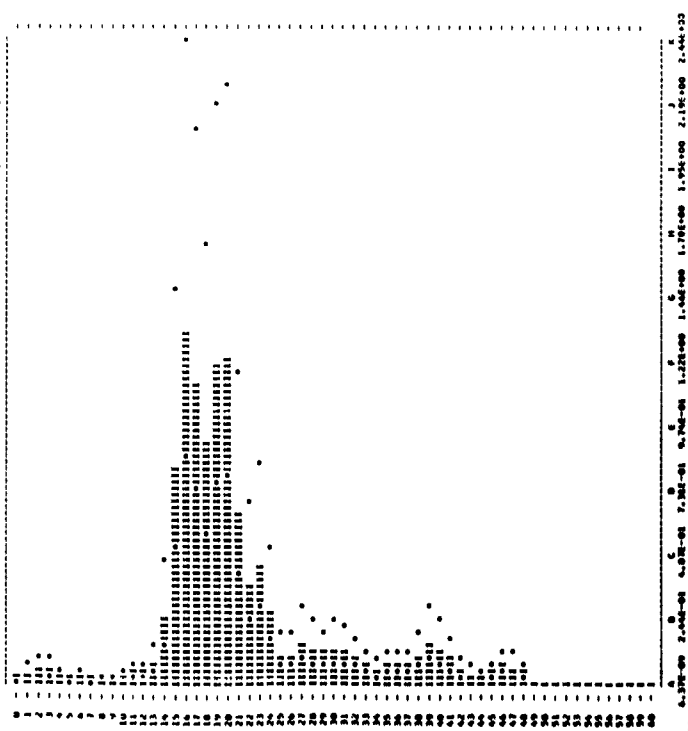


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 22/ 5/57 AV. T = 8.0 RECORD = JMC112
 HOUR = 15 SIG. HGT. = 13.3 UPPER HGT. = 16.7
 TOTAL DP = 144 CORN. VAR. = 11.1 LOWER HGT. = 12.1
 NOISE LEVEL = .0019 WIND SPEED = 20

H	FREQ.	UNIT	FT.-2	FILTERED	NOISE	CORN. FT.-2	UPPER	LOWER
0	.000			.0161	.0161	.0161	.0263	.0091
1	.006			.0179	.0179	.0179	.0300	.0106
2	.011			.0206	.0206	.0206	.0357	.0124
3	.017			.0248	.0248	.0248	.0430	.0149
4	.022			.0271	.0271	.0271	.0522	.0174
5	.028			.0299	.0299	.0299	.0634	.0200
6	.033			.0317	.0317	.0317	.0767	.0226
7	.039			.0336	.0336	.0336	.0922	.0252
8	.044			.0354	.0354	.0354	.0109	.0278
9	.050			.0373	.0373	.0373	.0148	.0304
10	.056			.0392	.0392	.0392	.0187	.0330
11	.061			.0411	.0411	.0411	.0226	.0356
12	.067			.0430	.0430	.0430	.0265	.0382
13	.072			.0449	.0449	.0449	.0304	.0408
14	.078			.0468	.0468	.0468	.0343	.0434
15	.083			.0487	.0487	.0487	.0382	.0460
16	.089			.0506	.0506	.0506	.0421	.0486
17	.094			.0525	.0525	.0525	.0460	.0512
18	.100			.0544	.0544	.0544	.0500	.0538
19	.106			.0563	.0563	.0563	.0539	.0564
20	.111			.0582	.0582	.0582	.0578	.0590
21	.117			.0601	.0601	.0601	.0617	.0616
22	.122			.0620	.0620	.0620	.0656	.0642
23	.128			.0639	.0639	.0639	.0695	.0668
24	.133			.0658	.0658	.0658	.0734	.0694
25	.139			.0677	.0677	.0677	.0773	.0720
26	.144			.0696	.0696	.0696	.0812	.0746
27	.150			.0715	.0715	.0715	.0851	.0772
28	.156			.0734	.0734	.0734	.0890	.0798
29	.161			.0753	.0753	.0753	.0929	.0824
30	.167			.0772	.0772	.0772	.0968	.0850
31	.172			.0791	.0791	.0791	.1007	.0876
32	.178			.0810	.0810	.0810	.1046	.0902
33	.183			.0829	.0829	.0829	.1085	.0928
34	.189			.0848	.0848	.0848	.1124	.0954
35	.194			.0867	.0867	.0867	.1163	.0980
36	.200			.0886	.0886	.0886	.1202	.1006
37	.206			.0905	.0905	.0905	.1241	.1032
38	.211			.0924	.0924	.0924	.1280	.1058
39	.217			.0943	.0943	.0943	.1319	.1084
40	.222			.0962	.0962	.0962	.1358	.1110
41	.228			.0981	.0981	.0981	.1397	.1136
42	.233			.1000	.1000	.1000	.1436	.1162
43	.239			.1019	.1019	.1019	.1475	.1188
44	.244			.1038	.1038	.1038	.1514	.1214
45	.250			.1057	.1057	.1057	.1553	.1240
46	.256			.1076	.1076	.1076	.1592	.1266
47	.261			.1095	.1095	.1095	.1631	.1292
48	.267			.1114	.1114	.1114	.1670	.1318
49	.272			.1133	.1133	.1133	.1709	.1344
50	.278			.1152	.1152	.1152	.1748	.1370
51	.283			.1171	.1171	.1171	.1787	.1396
52	.289			.1190	.1190	.1190	.1826	.1422
53	.294			.1209	.1209	.1209	.1865	.1448
54	.300			.1228	.1228	.1228	.1904	.1474
55	.306			.1247	.1247	.1247	.1943	.1500
56	.311			.1266	.1266	.1266	.1982	.1526
57	.317			.1285	.1285	.1285	.2021	.1552
58	.322			.1304	.1304	.1304	.2060	.1578
59	.328			.1323	.1323	.1323	.2099	.1604
60	.333			.1342	.1342	.1342	.2138	.1630

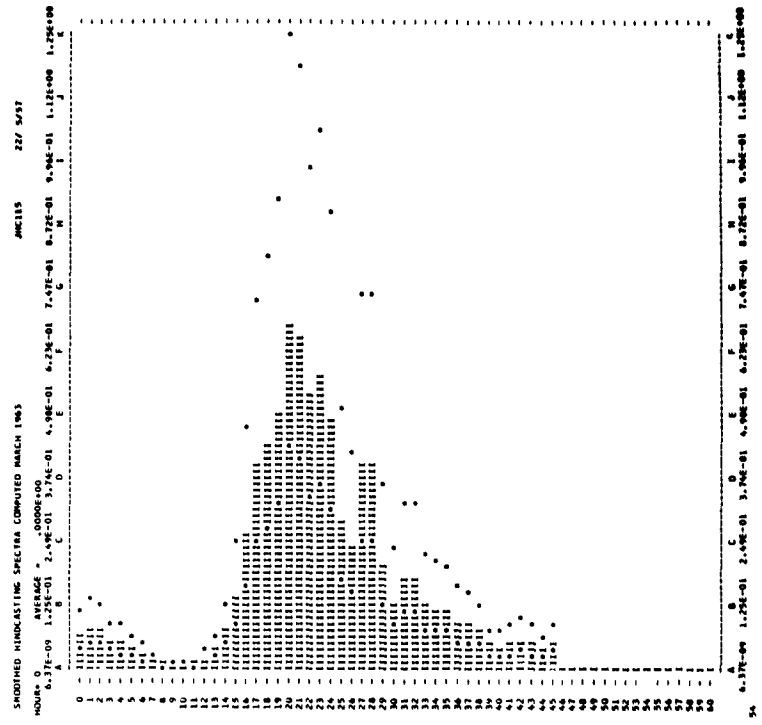
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC112 22/ 5/57
 HOUR=15 AVERAGE = .00000000
 SIG. HGT. = 13.3 CORN. VAR. = 11.1 LOWER HGT. = 12.1
 NOISE LEVEL = .0019 WIND SPEED = 20



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 27/ 5/57 AV. T = 7.4 RECORD = JMC115
 HOUR = 0 SIG. HGT. = 11.4 UPPER HGT. = 12.5
 TOTAL DF = 111 CORR. VAR. = 0. LOWER HGT. = 10.5
 NOISE LEVEL = .0013 WIND SPEED = 20

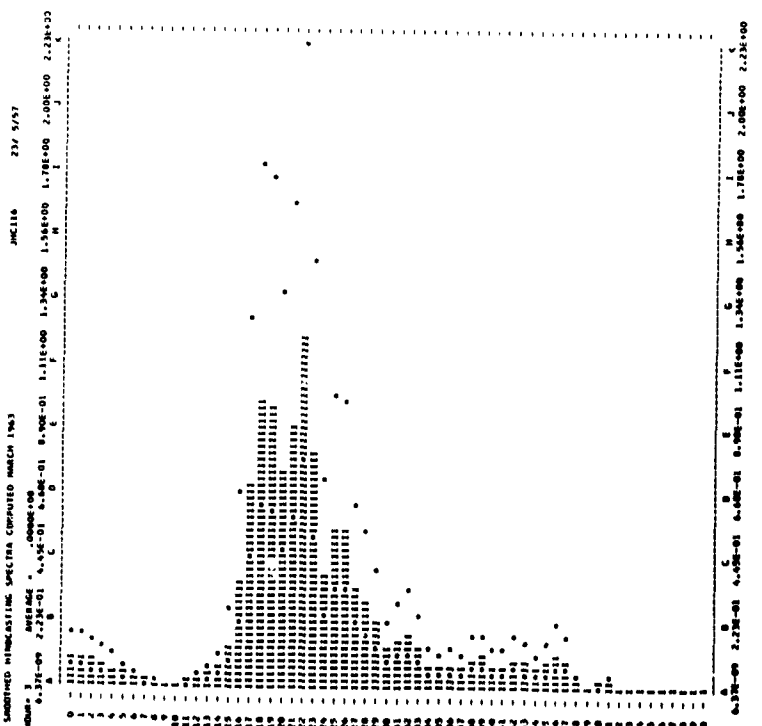
M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0631	.0631	.0619	.0619	.0396
1	.004	.0706	.0706	.0751	.0751	.0678
2	.011	.0710	.0710	.0697	.0697	.0444
3	.017	.0619	.0619	.0506	.0506	.0322
4	.022	.0556	.0556	.0473	.0473	.0291
5	.028	.0344	.0344	.0331	.0331	.0211
6	.033	.0177	.0177	.0164	.0229	.0149
7	.039	.0162	.0162	.0089	.0122	.0079
8	.044	.0071	.0071	.0058	.0072	.0046
9	.050	.0093	.0093	.0040	.0047	.0030
10	.056	.0097	.0097	.0064	.0050	.0032
11	.061	.0094	.0094	.0081	.0091	.0058
12	.067	.0100	.0100	.0139	.0174	.0112
13	.072	.0354	.0354	.0321	.0371	.0234
14	.078	.0592	.0592	.0579	.0687	.0430
15	.083	.1113	.1113	.1100	.1393	.0882
16	.089	.0017	.0017	.0004	.0024	.0018
17	.094	.0093	.0093	.0080	.0943	.0511
18	.100	.0093	.0093	.0080	.0397	.0200
19	.106	.0319	.0319	.0306	.0223	.0258
20	.111	.0173	.0173	.0160	.0756	.0302
21	.117	.0702	.0702	.0689	.0635	.0498
22	.122	.1065	.1065	.1052	.0917	.0719
23	.128	.2019	.2019	.2024	.0769	.0674
24	.133	.2200	.2200	.2117	.0685	.0597
25	.139	.1164	.1164	.1151	.0703	.0518
26	.144	.0879	.0879	.0866	.2318	.0272
27	.150	.136	.136	.1350	.2084	.0346
28	.156	.1232	.1232	.1219	.1989	.0313
29	.161	.0344	.0344	.0339	.1941	.0377
30	.167	.0326	.0326	.0313	.1274	.0266
31	.172	.0394	.0394	.0381	.1740	.0318
32	.178	.0394	.0394	.0381	.1754	.0234
33	.183	.0328	.0328	.0312	.1234	.0274
34	.189	.0187	.0187	.0174	.1151	.0211
35	.194	.0159	.0159	.0146	.1101	.0229
36	.200	.0112	.0112	.0099	.0855	.0174
37	.206	.0094	.0094	.0083	.0823	.0118
38	.211	.0074	.0074	.0061	.0698	.0127
39	.217	.0094	.0094	.0083	.0438	.0088
40	.222	.0037	.0037	.0027	.0417	.0248
41	.228	.0040	.0039	.0024	.0449	.0298
42	.233	.0039	.0039	.0024	.0512	.0258
43	.239	.0031	.0031	.0018	.0441	.0281
44	.244	.0022	.0029	.0013	.0368	.0234
45	.250	.0027	.0027	.0012	.0508	.0322
46	.256	.0034	.0031	.0019	.0018	.0311
47	.261	.0028	.0028	.0015	.0015	.0028
48	.267	.0025	.0025	.0012	.0012	.0017
49	.272	.0019	.0019	.0007	.0007	.0004
50	.278	.0018	.0018	.0005	.0005	.0003
51	.283	.0018	.0018	.0004	.0004	.0001
52	.289	.0010	.0011	.0000	.0000	.0000
53	.294	.0010	.0011	.0000	.0000	.0000
54	.300	.0014	.0011	.0000	.0000	.0001
55	.306	.0019	.0017	.0003	.0003	.0003
56	.311	.0018	.0016	.0004	.0004	.0002
57	.317	.0012	.0010	.0000	.0000	.0000
58	.322	.0010	.0010	.0000	.0000	.0000
59	.328	.0011	.0010	.0000	.0000	.0000
60	.333	.0010	.0010	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

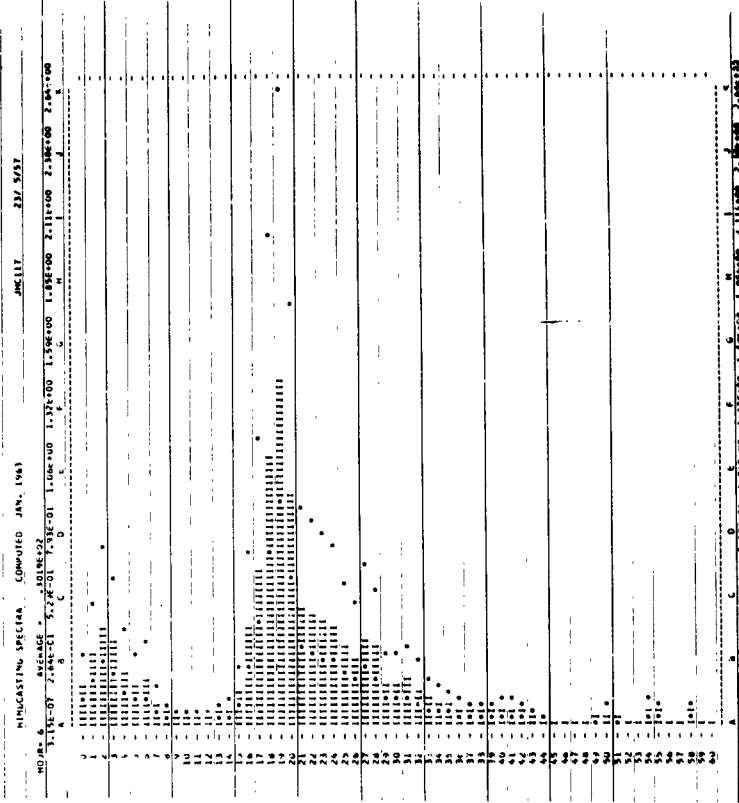
DATE = 27/ 5/57 AV. T = 7.3 RECORD = JMC116
 HOUR = 3 SIG. HGT. = 11.3 UPPER HGT. = 14.8
 TOTAL DF = 105 CORR. VAR. = 11.5 LOWER HGT. = 12.5
 NOISE LEVEL = .0022 WIND SPEED = 30

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1001	.1001	.0979	.0979	.1805
1	.006	.0999	.0999	.0977	.0977	.1801
2	.011	.0882	.0882	.0880	.0880	.0548
3	.017	.0893	.0893	.0871	.0871	.0427
4	.022	.0568	.0568	.0546	.0546	.0348
5	.028	.0377	.0377	.0355	.0355	.0226
6	.033	.0179	.0179	.0157	.0254	.0142
7	.039	.0110	.0110	.0088	.0121	.0077
8	.044	.0082	.0082	.0060	.0075	.0048
9	.050	.0047	.0047	.0027	.0032	.0020
10	.056	.0066	.0066	.0044	.0050	.0032
11	.061	.0142	.0142	.0120	.0136	.0086
12	.067	.0202	.0202	.0180	.0204	.0137
13	.072	.0357	.0357	.0335	.0387	.0244
14	.078	.0527	.0527	.0505	.0460	.0382
15	.083	.1167	.1167	.1145	.1443	.0903
16	.089	.2035	.2035	.2013	.3414	.2301
17	.094	.5110	.5110	.5088	.8871	.4375
18	.100	.4847	.4847	.4825	.9746	.4209
19	.106	.6337	.6337	.6315	.9595	.4109
20	.111	.4523	.4523	.4501	.7510	.3474
21	.117	.5189	.5189	.5167	.8016	.3813
22	.122	.6136	.6136	.6114	1.2077	.4890
23	.128	.3469	.3469	.3447	.8017	.3105
24	.133	.1759	.1759	.1736	.3882	.1818
25	.139	.2242	.2242	.2220	.5406	.2942
26	.144	.1994	.1994	.1972	.5274	.2361
27	.150	.1172	.1172	.1150	.3386	.1862
28	.156	.0922	.0922	.0900	.2946	.1878
29	.161	.0609	.0609	.0587	.2138	.1381
30	.167	.0328	.0328	.0306	.1247	.0788
31	.172	.0371	.0371	.0349	.1594	.1015
32	.178	.0383	.0383	.0361	.1880	.1184
33	.183	.0245	.0245	.0223	.1299	.0827
34	.189	.0127	.0127	.0105	.0696	.0443
35	.194	.0109	.0109	.0087	.0637	.0418
36	.200	.0101	.0101	.0079	.0646	.0445
37	.206	.0087	.0087	.0065	.0646	.0412
38	.211	.0109	.0109	.0087	.0996	.0635
39	.217	.0078	.0078	.0056	.1011	.0646
40	.222	.0050	.0050	.0027	.0720	.0458
41	.228	.0050	.0053	.0031	.0737	.0449
42	.233	.0028	.0028	.0004	.0917	.0581
43	.239	.0055	.0055	.0033	.0824	.0523
44	.244	.0037	.0043	.0021	.0622	.0396
45	.250	.0045	.0045	.0023	.0615	.0519
46	.256	.0058	.0051	.0029	.1195	.0763
47	.261	.0044	.0047	.0027	.0797	.0573
48	.267	.0047	.0047	.0025	.0813	.0581
49	.272	.0021	.0022	.0000	.0013	.0004
50	.278	.0025	.0024	.0000	.0167	.0106
51	.283	.0024	.0024	.0002	.0202	.0127
52	.289	.0022	.0022	.0000	.0000	.0000
53	.294	.0019	.0021	.0000	.0000	.0000
54	.300	.0023	.0023	.0001	.0001	.0001
55	.306	.0026	.0026	.0001	.0001	.0001
56	.311	.0027	.0027	.0001	.0001	.0001
57	.317	.0027	.0027	.0000	.0000	.0000
58	.322	.0023	.0022	.0000	.0000	.0000
59	.328	.0014	.0015	.0000	.0000	.0000
60	.333	.0010	.0012	.0000	.0000	.0000



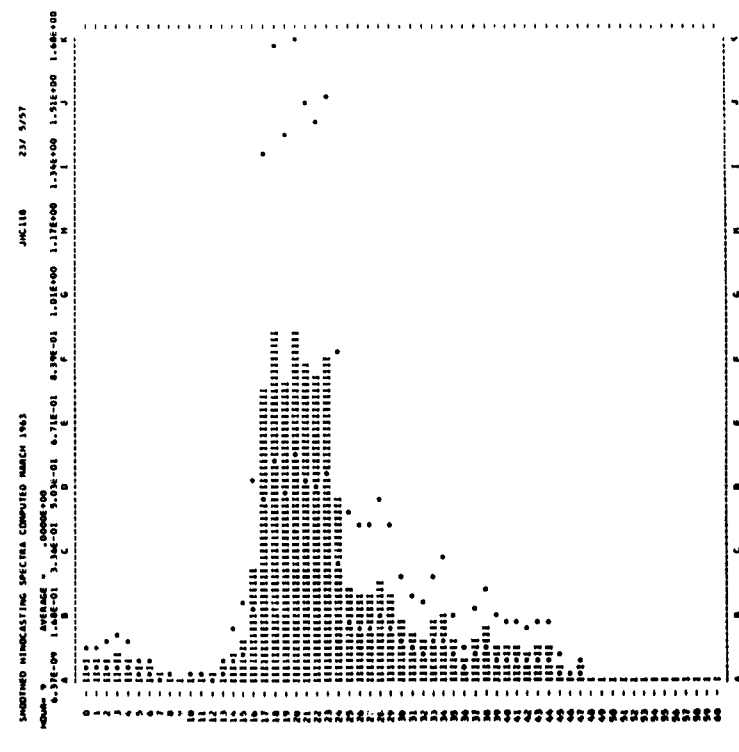
MINICASTING SPECTRA COMPUTED JAN. 1963

DATE = 23/ 5/57	AV. T = 8.1	RECORD = JMC117				
HOUR = A	SIG. HGT. = 13.4	UPPER HGT. = 14.4				
TOTAL DF = 197	CORR. VAR. = 11.3	LOWER HGT. = 12.4				
	NOISE LEVEL = .0022	WIND SPEED = 25				
M	FRE. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1669	.1669	.1667	.3036	.1047
1	.005	.2812	.2812	.2790	.5162	.1776
2	.011	.4015	.4018	.3991	.691	.2541
3	.017	.5329	.5323	.5307	.8307	.3406
4	.023	.6754	.6747	.6731	.9359	.4381
5	.029	.8289	.8282	.8266	1.0172	.5467
6	.035	.9934	.9927	.9911	1.0844	.6664
7	.041	1.1689	1.1682	1.1666	1.1377	.7971
8	.047	1.3554	1.3547	1.3531	1.1864	.9388
9	.053	1.5529	1.5522	1.5506	1.2307	1.0915
10	.059	1.7614	1.7607	1.7591	1.2707	1.2552
11	.065	1.9809	1.9802	1.9786	1.3064	1.4289
12	.071	2.2114	2.2107	2.2091	1.3387	1.6126
13	.077	2.4529	2.4522	2.4506	1.3677	1.8063
14	.083	2.7054	2.7047	2.7031	1.3934	2.0100
15	.089	2.9689	2.9682	2.9666	1.4157	2.2247
16	.095	3.2434	3.2427	3.2411	1.4347	2.4504
17	.101	3.5289	3.5282	3.5266	1.4504	2.6871
18	.107	3.8254	3.8247	3.8231	1.4627	2.9348
19	.113	4.1329	4.1322	4.1306	1.4717	3.1935
20	.119	4.4514	4.4507	4.4491	1.4774	3.4632
21	.125	4.7809	4.7802	4.7786	1.4807	3.7439
22	.131	5.1214	5.1207	5.1191	1.4817	4.0356
23	.137	5.4729	5.4722	5.4706	1.4804	4.3383
24	.143	5.8354	5.8347	5.8331	1.4767	4.6520
25	.149	6.2089	6.2082	6.2066	1.4707	4.9767
26	.155	6.5934	6.5927	6.5911	1.4624	5.3124
27	.161	6.9889	6.9882	6.9866	1.4517	5.6591
28	.167	7.3954	7.3947	7.3931	1.4387	6.0168
29	.173	7.8129	7.8122	7.8106	1.4234	6.3855
30	.179	8.2414	8.2407	8.2391	1.4057	6.7652
31	.185	8.6809	8.6802	8.6786	1.3857	7.1559
32	.191	9.1314	9.1307	9.1291	1.3634	7.5576
33	.197	9.5929	9.5922	9.5906	1.3387	7.9703
34	.203	10.0654	10.0647	10.0631	1.3117	8.3940
35	.209	10.5489	10.5482	10.5466	1.2824	8.8287
36	.215	11.0434	11.0427	11.0411	1.2507	9.2744
37	.221	11.5489	11.5482	11.5466	1.2167	9.7311
38	.227	12.0654	12.0647	12.0631	1.1804	10.1988
39	.233	12.5929	12.5922	12.5906	1.1417	10.6775
40	.239	13.1314	13.1307	13.1291	1.1007	11.1672
41	.245	13.6809	13.6802	13.6786	1.0574	11.6679
42	.251	14.2414	14.2407	14.2391	1.0117	12.1796
43	.257	14.8129	14.8122	14.8106	9.6387	12.7023
44	.263	15.3954	15.3947	15.3931	9.1417	13.2360
45	.269	15.9889	15.9882	15.9866	8.6207	13.7807
46	.275	16.5934	16.5927	16.5911	8.0757	14.3364
47	.281	17.2089	17.2082	17.2066	7.5067	14.9031
48	.287	17.8354	17.8347	17.8331	6.9137	15.4808
49	.293	18.4729	18.4722	18.4706	6.2967	16.0695
50	.299	19.1214	19.1207	19.1191	5.6557	16.6692
51	.305	19.7809	19.7802	19.7786	4.9907	17.2809
52	.311	20.4514	20.4507	20.4491	4.3017	17.9046
53	.317	21.1329	21.1322	21.1306	3.5887	18.5403
54	.323	21.8254	21.8247	21.8231	2.8517	19.1880
55	.329	22.5289	22.5282	22.5266	2.0907	19.8487
56	.335	23.2434	23.2427	23.2411	1.3157	20.5224
57	.341	23.9689	23.9682	23.9666	5.0267	21.2091
58	.347	24.7054	24.7047	24.7031	4.2017	21.9088
59	.353	25.4529	25.4522	25.4506	3.3517	22.6215
60	.359	26.2114	26.2107	26.2091	2.4867	23.3472



SMOOTHED MINICASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/ 5/57	AV. T = 7.4	RECORD = JMC118				
HOUR = A	SIG. HGT. = 12.4	UPPER HGT. = 13.7				
TOTAL DF = 175	CORR. VAR. = 8.9	LOWER HGT. = 11.5				
	NOISE LEVEL = .0021	WIND SPEED = 20				
M	FRE. UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0482	.0482	.0481	.0850	.0294
1	.004	.0476	.0476	.0455	.0459	.0290
2	.011	.0554	.0554	.0533	.0493	.0340
3	.017	.0649	.0649	.0628	.0420	.0400
4	.023	.0754	.0754	.0733	.0357	.0428
5	.029	.0870	.0870	.0849	.0309	.0477
6	.035	.1007	.1007	.0986	.0274	.0536
7	.041	.1154	.1154	.1133	.0250	.0605
8	.047	.1311	.1311	.1290	.0236	.0684
9	.053	.1478	.1478	.1457	.0232	.0773
10	.059	.1654	.1654	.1633	.0238	.0872
11	.065	.1840	.1840	.1819	.0254	.0981
12	.071	.2036	.2036	.2015	.0280	.0110
13	.077	.2242	.2242	.2221	.0316	.0150
14	.083	.2458	.2458	.2437	.0362	.0200
15	.089	.2684	.2684	.2663	.0418	.0260
16	.095	.2920	.2920	.2899	.0484	.0330
17	.101	.3166	.3166	.3145	.0560	.0410
18	.107	.3422	.3422	.3401	.0646	.0500
19	.113	.3688	.3688	.3667	.0742	.0600
20	.119	.3964	.3964	.3943	.0848	.0710
21	.125	.4250	.4250	.4229	.0964	.0830
22	.131	.4546	.4546	.4525	.1090	.0960
23	.137	.4852	.4852	.4831	.1226	.0110
24	.143	.5168	.5168	.5147	.1372	.0170
25	.149	.5494	.5494	.5473	.1528	.0240
26	.155	.5830	.5830	.5809	.1694	.0320
27	.161	.6176	.6176	.6155	.1870	.0410
28	.167	.6532	.6532	.6511	.2056	.0510
29	.173	.6898	.6898	.6877	.2252	.0620
30	.179	.7274	.7274	.7253	.2458	.0740
31	.185	.7660	.7660	.7639	.2674	.0870
32	.191	.8056	.8056	.8035	.2900	.0110
33	.197	.8462	.8462	.8441	.3136	.0170
34	.203	.8878	.8878	.8857	.3382	.0240
35	.209	.9304	.9304	.9283	.3638	.0320
36	.215	.9740	.9740	.9719	.3904	.0410
37	.221	1.0186	1.0186	1.0165	.4180	.0510
38	.227	1.0642	1.0642	1.0621	.4466	.0620
39	.233	1.1108	1.1108	1.1087	.4762	.0740
40	.239	1.1584	1.1584	1.1563	.5068	.0870
41	.245	1.2070	1.2070	1.2049	.5384	.0110
42	.251	1.2566	1.2566	1.2545	.5710	.0170
43	.257	1.3072	1.3072	1.3051	.6046	.0240
44	.263	1.3588	1.3588	1.3567	.6392	.0320
45	.269	1.4114	1.4114	1.4093	.6748	.0410
46	.275	1.4650	1.4650	1.4629	.7114	.0510
47	.281	1.5196	1.5196	1.5175	.7490	.0620
48	.287	1.5752	1.5752	1.5731	.7876	.0740
49	.293	1.6318	1.6318	1.6297	.8272	.0870
50	.299	1.6894	1.6894	1.6873	.8678	.0110
51	.305	1.7480	1.7480	1.7459	.9094	.0170
52	.311	1.8076	1.8076	1.8055	.9520	.0240
53	.317	1.8682	1.8682	1.8661	.9956	.0320
54	.323	1.9298	1.9298	1.9277	1.0402	.0410
55	.329	2.0024	2.0024	1.9993	1.0858	.0510
56	.335	2.0760	2.0760	2.0739	1.1324	.0620
57	.341	2.1506	2.1506	2.1485	1.1790	.0740
58	.347	2.2262	2.2262	2.2241	1.2266	.0870
59	.353	2.3028	2.3028	2.3007	1.2752	.0110
60	.359	2.3804	2.3804	2.3783	1.3248	.0170



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 23/ 5/ 57 AV. T = 13.5 RECORD = JMC119
 HOUR = 15 SIG. HGT. = 11.1 UPPER HGT. = 14.8
 TOTAL OF = 155 CORR. VAR. = 11.1 LOWER HGT. = 12.3
 NOISE LEVEL = .0020 WIND SPEED = 15

H	FRE.	UNIT+FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0247	.0247	.0227	.0227	.0418	.0144
1	.006	.0365	.0365	.0345	.0345	.0645	.0210
2	.011	.0609	.0609	.0589	.0589	.1222	.0426
3	.017	.0882	.0882	.0872	.0872	.1607	.0595
4	.022	.0877	.0877	.0857	.0857	.1210	.0418
5	.028	.0370	.0370	.0350	.0350	.0845	.0223
6	.033	.0240	.0240	.0220	.0220	.0654	.0226
7	.039	.0173	.0173	.0153	.0153	.0387	.0134
8	.044	.0100	.0100	.0080	.0080	.0183	.0063
9	.050	.0050	.0050	.0030	.0030	.0064	.0022
10	.056	.0047	.0047	.0027	.0027	.0030	.0014
11	.061	.0223	.0223	.0203	.0203	.0422	.0146
12	.067	.0754	.0754	.0734	.0734	.1384	.0510
13	.072	.1563	.1563	.1543	.1543	.2883	.1134
14	.078	.2837	.2837	.2817	.2817	.5343	.2129
15	.083	.4170	.4170	.4150	.4150	.8114	.3251
16	.089	.8314	.8314	.8294	.8294	1.6853	.6783
17	.096	1.2666	1.2666	1.2646	1.2646	2.6977	1.0701
18	.100	.9282	.9282	.9262	.9262	1.8223	.7472
19	.106	.4890	.4890	.4870	.4870	.9398	.3671
20	.111	.3378	.3378	.3358	.3358	.6453	.2479
21	.117	.2367	.2367	.2347	.2347	.4894	.1807
22	.122	.2276	.2276	.2256	.2256	.4291	.1639
23	.128	.2276	.2276	.2256	.2256	.4409	.1688
24	.133	.2240	.2240	.2220	.2220	.4937	.1904
25	.139	.1882	.1882	.1862	.1862	.4933	.1886
26	.144	.1186	.1186	.1166	.1166	.3120	.1187
27	.150	.0880	.0880	.0860	.0860	.2524	.0978
28	.156	.0640	.0640	.0620	.0620	.2093	.0789
29	.161	.0390	.0390	.0370	.0370	.1260	.0474
30	.167	.0218	.0218	.0198	.0198	.0803	.0312
31	.172	.0189	.0189	.0169	.0169	.0770	.0290
32	.178	.0144	.0144	.0124	.0124	.0657	.0242
33	.183	.0171	.0171	.0151	.0151	.0877	.0358
34	.189	.0189	.0189	.0169	.0169	.1116	.0470
35	.194	.0134	.0134	.0114	.0114	.1008	.0387
36	.200	.0144	.0144	.0124	.0124	.1068	.0480
37	.206	.0147	.0147	.0127	.0127	.1256	.0500
38	.211	.0145	.0145	.0125	.0125	.1427	.0540
39	.217	.0107	.0107	.0087	.0087	.1150	.0432
40	.222	.0071	.0071	.0051	.0051	.0928	.0341
41	.228	.0073	.0073	.0053	.0053	.0885	.0330
42	.233	.0063	.0063	.0043	.0043	.0837	.0313
43	.239	.0041	.0041	.0021	.0021	.0545	.0204
44	.244	.0024	.0024	.0004	.0004	.0194	.0074
45	.250	.0019	.0019	.0001	.0001	.0043	.0015
46	.256	.0022	.0022	.0002	.0002	.0038	.0014
47	.261	.0022	.0022	.0002	.0002	.0038	.0014
48	.267	.0020	.0020	.0000	.0000	.0000	.0000
49	.272	.0016	.0017	.0000	.0000	.0000	.0000
50	.278	.0015	.0016	.0000	.0000	.0000	.0000
51	.283	.0017	.0017	.0000	.0000	.0000	.0000
52	.289	.0020	.0019	.0000	.0000	.0000	.0000
53	.294	.0016	.0016	.0000	.0000	.0000	.0000
54	.300	.0017	.0017	.0000	.0000	.0000	.0000
55	.306	.0016	.0016	.0000	.0000	.0000	.0000
56	.311	.0016	.0016	.0000	.0000	.0000	.0000
57	.317	.0017	.0017	.0000	.0000	.0000	.0000
58	.322	.0019	.0021	.0000	.0000	.0194	.0074
59	.328	.0018	.0024	.0001	.0001	.0014	.0005
60	.333	.0037	.0032	.0012	.0012	.0022	.0008

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC119 23/ 5/ 57
 AVERAGE 3.10E-01 6.40E-01 1.04E-00 1.54E-00 2.12E-00 2.81E-00 3.70E-00 4.79E-00 6.17E-00 7.85E-00 9.84E-00 1.21E-00 1.56E-00 2.02E-00 2.60E-00 3.31E-00 4.15E-00 5.12E-00 6.23E-00 7.47E-00 8.84E-00 1.03E-00 1.20E-00 1.39E-00 1.60E-00 1.83E-00 2.08E-00 2.35E-00 2.64E-00 2.95E-00 3.28E-00 3.63E-00 4.00E-00 4.39E-00 4.80E-00 5.23E-00 5.68E-00 6.15E-00 6.64E-00 7.15E-00 7.68E-00 8.23E-00 8.80E-00 9.40E-00 1.00E-00 1.07E-00 1.14E-00 1.21E-00 1.28E-00 1.35E-00 1.42E-00 1.49E-00 1.56E-00 1.63E-00 1.70E-00 1.77E-00 1.84E-00 1.91E-00 1.98E-00 2.05E-00 2.12E-00 2.19E-00 2.26E-00 2.33E-00 2.40E-00 2.47E-00 2.54E-00 2.61E-00 2.68E-00 2.75E-00 2.82E-00 2.89E-00 2.96E-00 3.03E-00 3.10E-00 3.17E-00 3.24E-00 3.31E-00 3.38E-00 3.45E-00 3.52E-00 3.59E-00 3.66E-00 3.73E-00 3.80E-00 3.87E-00 3.94E-00 4.01E-00 4.08E-00 4.15E-00 4.22E-00 4.29E-00 4.36E-00 4.43E-00 4.50E-00 4.57E-00 4.64E-00 4.71E-00 4.78E-00 4.85E-00 4.92E-00 4.99E-00 5.06E-00 5.13E-00 5.20E-00 5.27E-00 5.34E-00 5.41E-00 5.48E-00 5.55E-00 5.62E-00 5.69E-00 5.76E-00 5.83E-00 5.90E-00 5.97E-00 6.04E-00 6.11E-00 6.18E-00 6.25E-00 6.32E-00 6.39E-00 6.46E-00 6.53E-00 6.60E-00 6.67E-00 6.74E-00 6.81E-00 6.88E-00 6.95E-00 7.02E-00 7.09E-00 7.16E-00 7.23E-00 7.30E-00 7.37E-00 7.44E-00 7.51E-00 7.58E-00 7.65E-00 7.72E-00 7.79E-00 7.86E-00 7.93E-00 8.00E-00 8.07E-00 8.14E-00 8.21E-00 8.28E-00 8.35E-00 8.42E-00 8.49E-00 8.56E-00 8.63E-00 8.70E-00 8.77E-00 8.84E-00 8.91E-00 8.98E-00 9.05E-00 9.12E-00 9.19E-00 9.26E-00 9.33E-00 9.40E-00 9.47E-00 9.54E-00 9.61E-00 9.68E-00 9.75E-00 9.82E-00 9.89E-00 9.96E-00 1.00E-00

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 16/ 4/ 58 AV. T = 6.1 RECORD = JMC120
 HOUR = 12 SIG. HGT. = 6.3 UPPER HGT. = 6.8
 TOTAL OF = 275 CORR. VAR. = 2.9 LOWER HGT. = 5.9
 NOISE LEVEL = .0008 WIND SPEED = 20

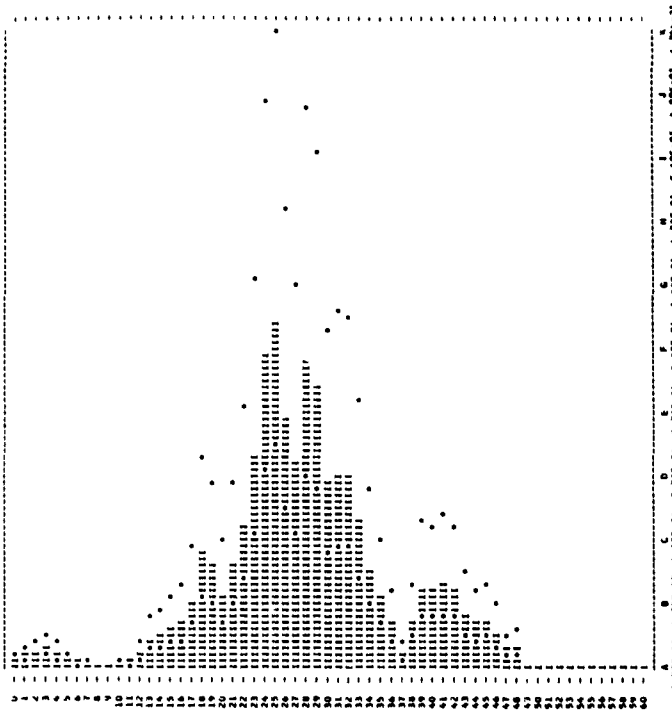
H	FRE.	UNIT+FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0014	.0014	.0007	.0007	.0014	.0005
1	.006	.0032	.0032	.0023	.0023	.0043	.0015
2	.011	.0043	.0043	.0034	.0034	.0064	.0022
3	.017	.0035	.0035	.0027	.0027	.0049	.0017
4	.022	.0036	.0036	.0027	.0027	.0051	.0018
5	.028	.0034	.0034	.0025	.0025	.0047	.0016
6	.033	.0023	.0023	.0014	.0014	.0023	.0015
7	.039	.0014	.0014	.0006	.0006	.0014	.0005
8	.044	.0011	.0011	.0002	.0002	.0006	.0002
9	.050	.0010	.0010	.0002	.0002	.0003	.0001
10	.056	.0011	.0011	.0002	.0002	.0003	.0001
11	.061	.0021	.0021	.0012	.0012	.0026	.0009
12	.067	.0049	.0049	.0040	.0040	.0085	.0029
13	.072	.0064	.0064	.0055	.0055	.0118	.0041
14	.078	.0173	.0173	.0164	.0164	.0195	.0124
15	.083	.0434	.0434	.0425	.0425	.0470	.0490
16	.089	.1117	.1117	.1108	.1108	.1424	.1264
17	.096	.1325	.1325	.1316	.1316	.1708	.1540
18	.100	.0981	.0981	.0972	.0972	.1288	.1259
19	.106	.0831	.0831	.0822	.0822	.1250	.1203
20	.111	.0593	.0593	.0584	.0584	.0949	.0904
21	.117	.0384	.0384	.0375	.0375	.0604	.0579
22	.122	.0571	.0571	.0562	.0562	.0752	.0727
23	.128	.0286	.0286	.0277	.0277	.0344	.0341
24	.133	.0096	.0096	.0087	.0087	.0195	.0192
25	.139	.0117	.0117	.0108	.0108	.0247	.0248
26	.144	.0182	.0182	.0173	.0173	.0244	.0296
27	.150	.0186	.0186	.0177	.0177	.0244	.0234
28	.156	.0137	.0137	.0128	.0128	.0242	.0248
29	.161	.0148	.0148	.0139	.0139	.0208	.0223
30	.167	.0208	.0208	.0199	.0199	.0217	.0217
31	.172	.0243	.0243	.0234	.0234	.0271	.0282
32	.178	.0241	.0241	.0232	.0232	.0277	.0282
33	.183	.0203	.0203	.0194	.0194	.0232	.0228
34	.189	.0156	.0156	.0147	.0147	.0189	.0182
35	.194	.0123	.0123	.0114	.0114	.0163	.0159
36	.200	.0084	.0084	.0075	.0075	.0149	.0140
37	.206	.0079	.0079	.0070	.0070	.0147	.0147
38	.211	.0073	.0073	.0064	.0064	.0147	.0144
39	.217	.0073	.0073	.0064	.0064	.0147	.0144
40	.222	.0036	.0036	.0027	.0027	.0040	.0031
41	.228	.0044	.0044	.0035	.0035	.0079	.0073
42	.233	.0040	.0040	.0031	.0031	.0079	.0076
43	.239	.0025	.0025	.0019	.0019	.0081	.0076
44	.244	.0021	.0021	.0013	.0013	.0082	.0073
45	.250	.0019	.0019	.0010	.0010	.0079	.0076
46	.256	.0014	.0014	.0006	.0006	.0078	.0076
47	.261	.0010	.0010	.0002	.0002	.0069	.0063
48	.267	.0008	.0008	.0000	.0000	.0067	.0060
49	.272	.0007	.0008	.0000	.0000	.0060	.0060
50	.278	.0009	.0009	.0000	.0000	.0060	.0060
51	.283	.0010	.0010	.0001	.0001	.0062	.0061
52	.289	.0010	.0010	.0002	.0002	.0063	.0061
53	.294	.0011	.0010	.0002	.0002	.0060	.0061
54	.300	.0010	.0010	.0001	.0001	.0061	.0060
55	.306	.0008	.0008	.0000	.0000	.0060	.0060
56	.311	.0007	.0008	.0000	.0000	.0060	.0060
57	.317	.0010	.0010	.0000	.0000	.0060	.0060
58	.322	.0008	.0008	.0000	.0000	.0060	.0060
59	.328	.0006	.0006	.0000	.0000	.0060	.0060
60	.333	.0005	.0005	.0000	.0000	.0060	.0060

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC120 16/ 4/ 58
 AVERAGE 3.10E-01 6.40E-01 1.04E-00 1.54E-00 2.12E-00 2.81E-00 3.70E-00 4.79E-00 6.17E-00 7.85E-00 9.84E-00 1.21E-00 1.56E-00 2.02E-00 2.60E-00 3.31E-00 4.15E-00 5.12E-00 6.23E-00 7.47E-00 8.84E-00 1.03E-00 1.20E-00 1.39E-00 1.60E-00 1.83E-00 2.08E-00 2.35E-00 2.64E-00 2.95E-00 3.28E-00 3.63E-00 4.00E-00 4.39E-00 4.80E-00 5.23E-00 5.68E-00 6.15E-00 6.64E-00 7.15E-00 7.68E-00 8.23E-00 8.80E-00 9.40E-00 1.00E-00 1.07E-00 1.14E-00 1.21E-00 1.28E-00 1.35E-00 1.42E-00 1.49E-00 1.56E-00 1.63E-00 1.70E-00 1.77E-00 1.84E-00 1.91E-00 1.98E-00 2.05E-00 2.12E-00 2.19E-00 2.26E-00 2.33E-00 2.40E-00 2.47E-00 2.54E-00 2.61E-00 2.68E-00 2.75E-00 2.82E-00 2.89E-00 2.96E-00 3.03E-00 3.10E-00 3.17E-00 3.24E-00 3.31E-00 3.38E-00 3.45E-00 3.52E-00 3.59E-00 3.66E-00 3.73E-00 3.80E-00 3.87E-00 3.94E-00 4.01E-00 4.08E-00 4.15E-00 4.22E-00 4.29E-00 4.36E-00 4.43E-00 4.50E-00 4.57E-00 4.64E-00 4.71E-00 4.78E-00 4.85E-00 4.92E-00 4.99E-00 5.06E-00 5.13E-00 5.20E-00 5.27E-00 5.34E-00 5.41E-0

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 16/ 4/58	AV. T = 6.2	RECORD = JML121				
HOUR = 10	SIG. HGT. = 8.5	UPPER HGT. = 9.1				
TOTAL DP = 229	CORR. VAR. = 4.5	LOWER HGT. = 7.0				
	NOISE LEVEL = .0025	WIND SPEED = 25				
H	PAR. UNIT=PT.2 FILTERED -NOISE CORR.FT.2 UPPER LOWER					
0	.000	.0003	.0003	.0008	.0126	.0043
1	.006	.0136	.0136	.0109	.0109	.0070
2	.011	.0187	.0187	.162	.0162	.0299
3	.017	.0262	.0262	.077	.0177	.0327
4	.022	.0310	.0310	.0136	.0136	.0251
5	.028	.0388	.0388	.0063	.0063	.0116
6	.035	.0451	.0451	.0026	.0026	.0078
7	.039	.0490	.0490	.0014	.0014	.0036
8	.044	.0535	.0535	.0010	.0013	.0023
9	.050	.0606	.0606	.0011	.0013	.0026
10	.056	.0682	.0682	.0017	.0020	.0036
11	.061	.0764	.0764	.0039	.0046	.0082
12	.067	.0852	.0852	.0117	.0113	.0245
13	.072	.0946	.0946	.0245	.0283	.0522
14	.078	.0915	.0915	.0290	.0346	.0635
15	.083	.0960	.0960	.0335	.0412	.0760
16	.089	.0985	.0985	.0380	.0463	.0853
17	.094	.0999	.0999	.0514	.0586	.1200
18	.100	.0987	.0987	.0882	.1202	.2216
19	.106	.0717	.0717	.0692	.1052	.1938
20	.111	.0487	.0487	.0682	.0751	.1384
21	.117	.0430	.0430	.0605	.0586	.1066
22	.122	.0821	.0821	.0796	.1499	.2763
23	.128	.1115	.1115	.1090	.2226	.6102
24	.133	.1487	.1487	.1612	.3275	.8035
25	.139	.1929	.1929	.1504	.3663	.8751
26	.144	.2400	.2400	.0981	.2626	.8840
27	.150	.2763	.2763	.0738	.2119	.8417
28	.156	.3008	.3008	.0983	.3217	.9930
29	.161	.3037	.3037	.0812	.2957	.9651
30	.167	.3020	.3020	.0800	.1955	.8463
31	.172	.3046	.3046	.0449	.2051	.8780
32	.178	.3047	.3047	.0392	.2019	.8722
33	.183	.3027	.3027	.0282	.1524	.8812
34	.189	.3010	.3010	.0155	.1026	.8992
35	.194	.3023	.3023	.0098	.0740	.8847
36	.200	.3076	.3076	.0081	.0442	.8814
37	.206	.3039	.3039	.0014	.0141	.8059
38	.211	.3068	.3068	.0043	.0496	.8911
39	.217	.3087	.3087	.0082	.0825	.1021
40	.222	.3071	.3071	.0052	.0801	.1476
41	.228	.3078	.3078	.0048	.0872	.1607
42	.233	.3082	.3082	.0038	.0795	.1646
43	.239	.3040	.3040	.0022	.0538	.0992
44	.244	.3040	.3040	.0015	.0453	.0836
45	.250	.3041	.3041	.0014	.0485	.0893
46	.256	.3033	.3033	.0009	.0360	.0663
47	.261	.3027	.3027	.0006	.0196	.0358
48	.267	.3028	.3028	.0004	.0218	.0403
49	.272	.3031	.3031	.0005	.0005	.0009
50	.278	.3026	.3026	.0003	.0003	.0005
51	.283	.3023	.3023	.0004	.0000	.0000
52	.289	.3022	.3022	.0000	.0000	.0000
53	.294	.3029	.3029	.0003	.0003	.0005
54	.300	.3030	.3030	.0006	.0006	.0008
55	.306	.3028	.3028	.0004	.0004	.0007
56	.311	.3028	.3028	.0001	.0001	.0001
57	.317	.3020	.3020	.0000	.0000	.0000
58	.322	.3012	.3012	.0000	.0000	.0000
59	.328	.3023	.3023	.0000	.0000	.0000
60	.333	.3035	.3035	.0004	.0004	.0008

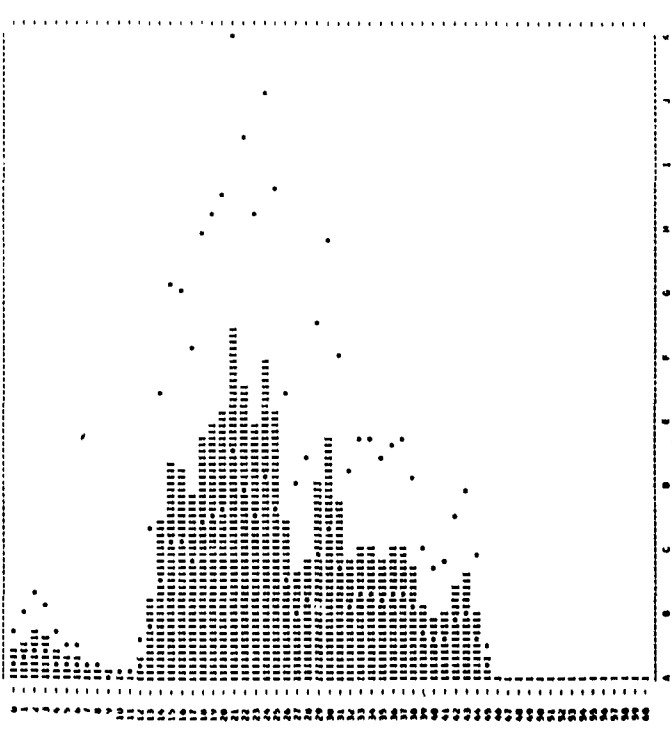
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=10
 DATE=16-4-58
 SIG. HGT.=8.5
 CORR. VAR.=4.5
 NOISE LEVEL=.0025
 WIND SPEED=25
 JML121
 16/ 4/58



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 4/58	AV. T = 6.8	RECORD = JML122				
HOUR = 10	SIG. HGT. = 9.9	UPPER HGT. = 10.6				
TOTAL DP = 285	CORR. VAR. = 0.1	LOWER HGT. = 9.3				
	NOISE LEVEL = .0020	WIND SPEED = 25				
H	PAR. UNIT=PT.2 FILTERED -NOISE CORR.FT.2 UPPER LOWER					
0	.000	.0270	.0270	.0270	.0498	.0172
1	.006	.0401	.0401	.0381	.0381	.0702
2	.011	.0517	.0517	.0487	.0487	.0916
3	.017	.0625	.0625	.0605	.0605	.0758
4	.022	.0724	.0724	.0724	.0724	.0505
5	.028	.0828	.0828	.0828	.0828	.0383
6	.035	.0947	.0947	.0947	.0947	.0312
7	.039	.1070	.1070	.1070	.1070	.0278
8	.044	.1207	.1207	.1207	.1207	.0259
9	.050	.1358	.1358	.1358	.1358	.0242
10	.056	.1524	.1524	.1524	.1524	.0228
11	.061	.1704	.1704	.1704	.1704	.0218
12	.067	.1897	.1897	.1897	.1897	.0210
13	.072	.2113	.2113	.2113	.2113	.0203
14	.078	.2352	.2352	.2352	.2352	.0198
15	.083	.2613	.2613	.2613	.2613	.0194
16	.089	.2896	.2896	.2896	.2896	.0191
17	.094	.3201	.3201	.3201	.3201	.0188
18	.100	.3528	.3528	.3528	.3528	.0185
19	.106	.3878	.3878	.3878	.3878	.0182
20	.111	.4250	.4250	.4250	.4250	.0179
21	.117	.4644	.4644	.4644	.4644	.0176
22	.122	.5060	.5060	.5060	.5060	.0173
23	.128	.5498	.5498	.5498	.5498	.0170
24	.133	.6068	.6068	.6068	.6068	.0167
25	.139	.6670	.6670	.6670	.6670	.0164
26	.144	.7304	.7304	.7304	.7304	.0161
27	.150	.7980	.7980	.7980	.7980	.0158
28	.156	.8698	.8698	.8698	.8698	.0155
29	.161	.9458	.9458	.9458	.9458	.0152
30	.167	.1026	.1026	.1026	.1026	.0149
31	.172	.1102	.1102	.1102	.1102	.0146
32	.178	.1181	.1181	.1181	.1181	.0143
33	.183	.1262	.1262	.1262	.1262	.0140
34	.189	.1345	.1345	.1345	.1345	.0137
35	.194	.1430	.1430	.1430	.1430	.0134
36	.200	.1517	.1517	.1517	.1517	.0131
37	.206	.1606	.1606	.1606	.1606	.0128
38	.211	.1697	.1697	.1697	.1697	.0125
39	.217	.1790	.1790	.1790	.1790	.0122
40	.222	.1884	.1884	.1884	.1884	.0119
41	.228	.1980	.1980	.1980	.1980	.0116
42	.233	.2078	.2078	.2078	.2078	.0113
43	.239	.2178	.2178	.2178	.2178	.0110
44	.244	.2279	.2279	.2279	.2279	.0107
45	.250	.2382	.2382	.2382	.2382	.0104
46	.256	.2486	.2486	.2486	.2486	.0101
47	.261	.2592	.2592	.2592	.2592	.0098
48	.267	.2700	.2700	.2700	.2700	.0095
49	.272	.2809	.2809	.2809	.2809	.0092
50	.278	.2920	.2920	.2920	.2920	.0089
51	.283	.3032	.3032	.3032	.3032	.0086
52	.289	.3145	.3145	.3145	.3145	.0083
53	.294	.3260	.3260	.3260	.3260	.0080
54	.300	.3376	.3376	.3376	.3376	.0077
55	.306	.3494	.3494	.3494	.3494	.0074
56	.311	.3613	.3613	.3613	.3613	.0071
57	.317	.3734	.3734	.3734	.3734	.0068
58	.322	.3856	.3856	.3856	.3856	.0065
59	.328	.3980	.3980	.3980	.3980	.0062
60	.333	.4105	.4105	.4105	.4105	.0059

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=10
 DATE=17-4-58
 SIG. HGT.=9.9
 CORR. VAR.=0.1
 NOISE LEVEL=.0020
 WIND SPEED=25
 JML122
 17/ 4/58

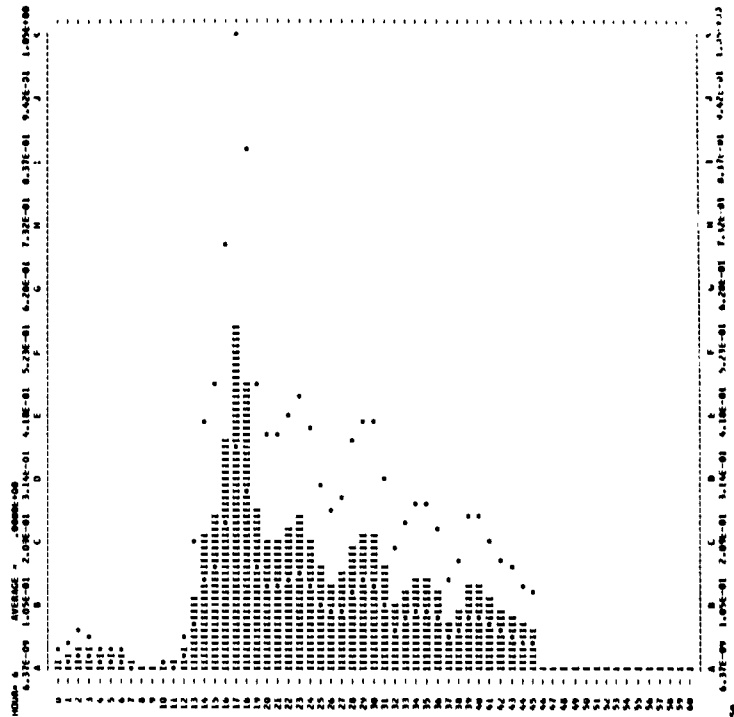


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 4/58 AV. T = 6.0 RECORD = JMC123
 HOUR = 6 SIG. HGT. = 10.1 UPPER HGT. = 10.9
 TOTAL DP = 265 CORR. VARI. = 8.0 LOWER HGT. = 9.4
 NOISE LEVEL = .0017 WIND SPEED = 20

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0169	.0169	.0151	.0279	.0096
1	.006	.0252	.0252	.0234	.0432	.0159
2	.011	.0374	.0374	.0356	.0637	.0227
3	.017	.0511	.0511	.0493	.0893	.0341
4	.022	.0659	.0659	.0641	.0235	.0116
5	.028	.0818	.0818	.0800	.0181	.0096
6	.033	.0987	.0987	.0969	.0127	.0069
7	.039	.0161	.0161	.0143	.0080	.0038
8	.044	.0233	.0233	.0215	.0019	.0006
9	.050	.0311	.0311	.0293	.0016	.0002
10	.056	.0391	.0391	.0373	.0008	.0002
11	.062	.0474	.0474	.0456	.0017	.0004
12	.067	.0561	.0561	.0543	.0022	.0006
13	.072	.0652	.0652	.0634	.0022	.0006
14	.078	.0747	.0747	.0729	.0027	.0008
15	.083	.0846	.0846	.0828	.0027	.0008
16	.089	.0949	.0949	.0931	.0027	.0008
17	.094	.1056	.1056	.1038	.0027	.0008
18	.100	.1167	.1167	.1149	.0027	.0008
19	.106	.1281	.1281	.1263	.0027	.0008
20	.111	.1400	.1400	.1382	.0027	.0008
21	.117	.1522	.1522	.1504	.0027	.0008
22	.122	.1647	.1647	.1629	.0027	.0008
23	.128	.1775	.1775	.1757	.0027	.0008
24	.133	.1906	.1906	.1888	.0027	.0008
25	.139	.2041	.2041	.2023	.0027	.0008
26	.144	.2179	.2179	.2161	.0027	.0008
27	.150	.2320	.2320	.2302	.0027	.0008
28	.156	.2464	.2464	.2446	.0027	.0008
29	.161	.2611	.2611	.2593	.0027	.0008
30	.167	.2761	.2761	.2743	.0027	.0008
31	.172	.2914	.2914	.2896	.0027	.0008
32	.178	.3070	.3070	.3052	.0027	.0008
33	.183	.3229	.3229	.3211	.0027	.0008
34	.189	.3391	.3391	.3373	.0027	.0008
35	.194	.3556	.3556	.3538	.0027	.0008
36	.200	.3724	.3724	.3706	.0027	.0008
37	.206	.3895	.3895	.3877	.0027	.0008
38	.211	.4069	.4069	.4051	.0027	.0008
39	.217	.4246	.4246	.4228	.0027	.0008
40	.222	.4426	.4426	.4408	.0027	.0008
41	.228	.4609	.4609	.4591	.0027	.0008
42	.233	.4794	.4794	.4776	.0027	.0008
43	.239	.4982	.4982	.4964	.0027	.0008
44	.244	.5173	.5173	.5155	.0027	.0008
45	.250	.5367	.5367	.5349	.0027	.0008
46	.256	.5564	.5564	.5546	.0027	.0008
47	.261	.5764	.5764	.5746	.0027	.0008
48	.267	.5967	.5967	.5949	.0027	.0008
49	.272	.6173	.6173	.6155	.0027	.0008
50	.278	.6382	.6382	.6364	.0027	.0008
51	.283	.6594	.6594	.6576	.0027	.0008
52	.289	.6809	.6809	.6791	.0027	.0008
53	.294	.7027	.7027	.7009	.0027	.0008
54	.300	.7248	.7248	.7230	.0027	.0008
55	.306	.7472	.7472	.7454	.0027	.0008
56	.311	.7700	.7700	.7682	.0027	.0008
57	.317	.7931	.7931	.7913	.0027	.0008
58	.322	.8166	.8166	.8148	.0027	.0008
59	.328	.8404	.8404	.8386	.0027	.0008
60	.333	.8645	.8645	.8627	.0027	.0008

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS: 6 6.37E-09 1.05E-01 2.03E-01 3.12E-01 4.18E-01 5.23E-01 6.28E-01 7.32E-01 8.37E-01 9.42E-01 1.04E+00

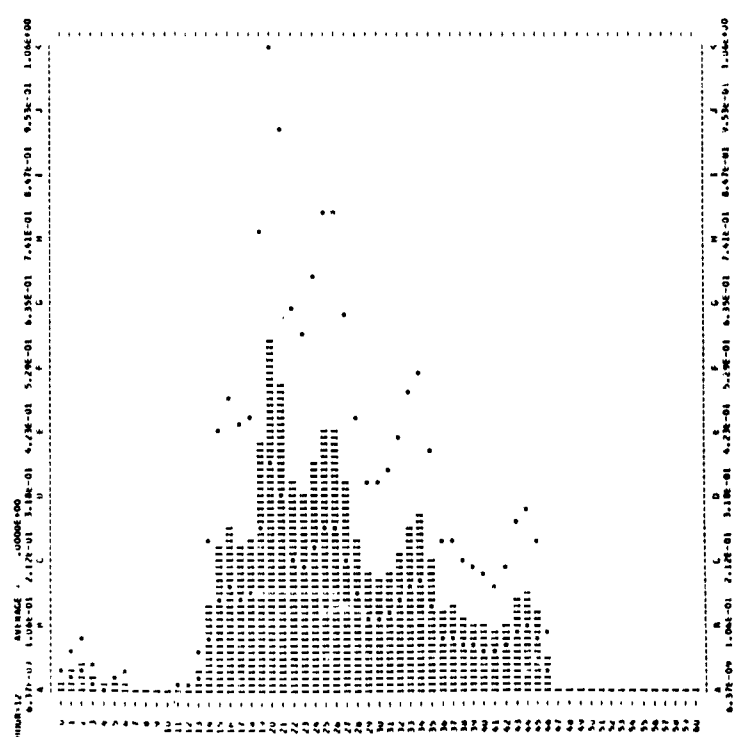


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 17/ 4/58 AV. T = 6.5 RECORD = JMC124
 HOUR = 12 SIG. HGT. = 11.4 UPPER HGT. = 12.2
 TOTAL DP = 271 CORR. VARI. = 8.1 LOWER HGT. = 10.6
 NOISE LEVEL = .0049 WIND SPEED = 20

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0204	.0204	.0186	.0287	.0099
1	.006	.0304	.0304	.0286	.0436	.0220
2	.011	.0414	.0414	.0396	.0637	.0341
3	.017	.0534	.0534	.0516	.0893	.0491
4	.022	.0664	.0664	.0646	.0151	.0052
5	.028	.0804	.0804	.0786	.0201	.0069
6	.033	.0954	.0954	.0936	.0251	.0086
7	.039	.0111	.0111	.0093	.0080	.0038
8	.044	.0161	.0161	.0143	.0019	.0006
9	.050	.0211	.0211	.0193	.0016	.0002
10	.056	.0261	.0261	.0243	.0008	.0002
11	.062	.0311	.0311	.0293	.0017	.0004
12	.067	.0361	.0361	.0343	.0022	.0006
13	.072	.0411	.0411	.0393	.0022	.0006
14	.078	.0461	.0461	.0443	.0027	.0008
15	.083	.0511	.0511	.0493	.0027	.0008
16	.089	.0561	.0561	.0543	.0027	.0008
17	.094	.0611	.0611	.0593	.0027	.0008
18	.100	.0661	.0661	.0643	.0027	.0008
19	.106	.0711	.0711	.0693	.0027	.0008
20	.111	.0761	.0761	.0743	.0027	.0008
21	.117	.0811	.0811	.0793	.0027	.0008
22	.122	.0861	.0861	.0843	.0027	.0008
23	.128	.0911	.0911	.0893	.0027	.0008
24	.133	.0961	.0961	.0943	.0027	.0008
25	.139	.1011	.1011	.0993	.0027	.0008
26	.144	.1061	.1061	.1043	.0027	.0008
27	.150	.1111	.1111	.1093	.0027	.0008
28	.156	.1161	.1161	.1143	.0027	.0008
29	.161	.1211	.1211	.1193	.0027	.0008
30	.167	.1261	.1261	.1243	.0027	.0008
31	.172	.1311	.1311	.1293	.0027	.0008
32	.178	.1361	.1361	.1343	.0027	.0008
33	.183	.1411	.1411	.1393	.0027	.0008
34	.189	.1461	.1461	.1443	.0027	.0008
35	.194	.1511	.1511	.1493	.0027	.0008
36	.200	.1561	.1561	.1543	.0027	.0008
37	.206	.1611	.1611	.1593	.0027	.0008
38	.211	.1661	.1661	.1643	.0027	.0008
39	.217	.1711	.1711	.1693	.0027	.0008
40	.222	.1761	.1761	.1743	.0027	.0008
41	.228	.1811	.1811	.1793	.0027	.0008
42	.233	.1861	.1861	.1843	.0027	.0008
43	.239	.1911	.1911	.1893	.0027	.0008
44	.244	.1961	.1961	.1943	.0027	.0008
45	.250	.2011	.2011	.1993	.0027	.0008
46	.256	.2061	.2061	.2043	.0027	.0008
47	.261	.2111	.2111	.2093	.0027	.0008
48	.267	.2161	.2161	.2143	.0027	.0008
49	.272	.2211	.2211	.2193	.0027	.0008
50	.278	.2261	.2261	.2243	.0027	.0008
51	.283	.2311	.2311	.2293	.0027	.0008
52	.289	.2361	.2361	.2343	.0027	.0008
53	.294	.2411	.2411	.2393	.0027	.0008
54	.300	.2461	.2461	.2443	.0027	.0008
55	.306	.2511	.2511	.2493	.0027	.0008
56	.311	.2561	.2561	.2543	.0027	.0008
57	.317	.2611	.2611	.2593	.0027	.0008
58	.322	.2661	.2661	.2643	.0027	.0008
59	.328	.2711	.2711	.2693	.0027	.0008
60	.333	.2761	.2761	.2743	.0027	.0008

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS: 12 1.17E-07 1.04E-01 2.12E-01 3.18E-01 4.23E-01 5.28E-01 6.33E-01 7.41E-01 8.47E-01 9.53E-01 1.04E+00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

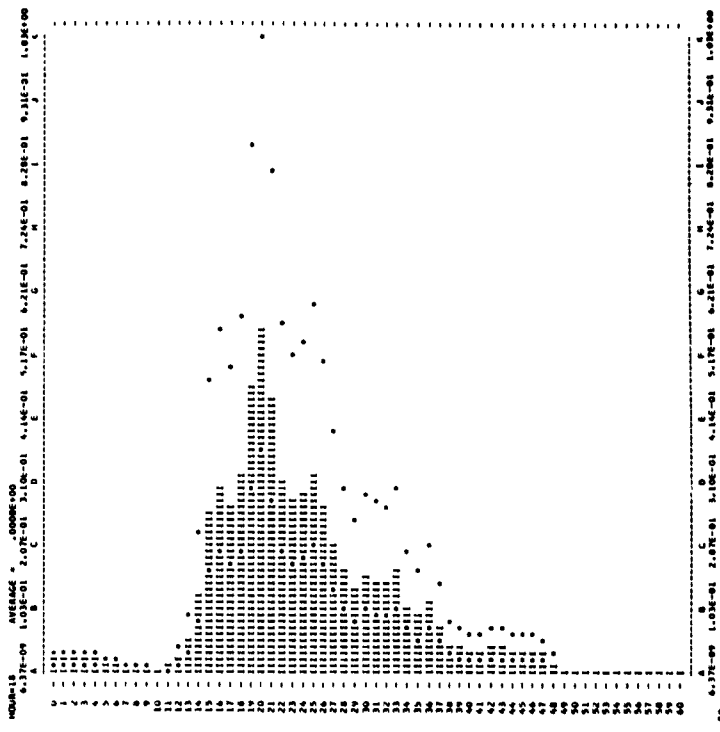
DATE = 17/ 4/58 AV. T = 7.2 RECORD = JMC125
 HOUR = 18 SIG. WGT. = 10.0 UPPER WGT. = 10.0
 TOTAL DF = 226 CORR. VAL. = 6.3 LOWER WGT. = 25
 NOISE LEVEL = .0023 WIND SPEED = 25

M	FRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0191	.0191	.0168	.0310	.0107
1	.006	.0199	.0199	.0176	.0324	.0112
2	.011	.0195	.0195	.0172	.0317	.0109
3	.017	.0200	.0206	.0183	.0337	.0116
4	.022	.0202	.0202	.0179	.0330	.0114
5	.028	.0143	.0143	.0120	.0221	.0076
6	.033	.0089	.0089	.0066	.0107	.0036
7	.039	.0054	.0054	.0031	.0063	.0027
8	.044	.0051	.0051	.0028	.0035	.0004
9	.050	.0047	.0047	.0024	.0028	.0002
10	.056	.0047	.0047	.0024	.0027	.0001
11	.061	.0077	.0077	.0054	.0061	.0012
12	.067	.0214	.0214	.0191	.0217	.0309
13	.072	.0459	.0459	.0436	.0503	.0928
14	.078	.1059	.1059	.1036	.1230	.2266
15	.083	.2128	.2128	.2105	.2590	.4774
16	.089	.2390	.2390	.2367	.3040	.5604
17	.094	.2012	.2012	.1989	.2686	.4950
18	.100	.2239	.2239	.2216	.3164	.5831
19	.106	.3081	.3081	.3058	.4444	.8541
20	.111	.3480	.3480	.3457	.5414	1.0348
21	.117	.2954	.2954	.2931	.4415	.8137
22	.122	.1673	.1673	.1650	.3107	.5726
23	.128	.1399	.1399	.1376	.2809	.5177
24	.133	.1336	.1336	.1313	.2920	.5383
25	.139	.1349	.1349	.1326	.3229	.5951
26	.144	.1052	.1052	.1019	.2727	.5027
27	.150	.0738	.0738	.0715	.2111	.3890
28	.156	.0520	.0520	.0497	.1624	.2997
29	.161	.0387	.0387	.0364	.1325	.2443
30	.167	.0284	.0284	.0261	.1075	.1904
31	.172	.0349	.0349	.0326	.1488	.2743
32	.178	.0311	.0311	.0288	.1483	.2733
33	.183	.0300	.0300	.0277	.1414	.2470
34	.189	.0186	.0186	.0163	.1078	.1986
35	.194	.0161	.0161	.0138	.0889	.1639
36	.200	.0140	.0140	.0117	.0764	.1420
37	.206	.0100	.0100	.0077	.0763	.1407
38	.211	.0063	.0063	.0040	.0457	.0843
39	.217	.0052	.0052	.0029	.0384	.0706
40	.222	.0042	.0042	.0021	.0331	.0610
41	.228	.0042	.0042	.0019	.0350	.0646
42	.233	.0044	.0044	.0022	.0400	.0737
43	.239	.0038	.0038	.0015	.0378	.0694
44	.244	.0033	.0033	.0011	.0329	.0606
45	.250	.0033	.0033	.0010	.0333	.0622
46	.256	.0032	.0031	.0008	.0350	.0646
47	.261	.0029	.0029	.0006	.0282	.0521
48	.267	.0025	.0025	.0002	.0144	.0248
49	.272	.0023	.0023	.0000	.0000	.0000
50	.278	.0020	.0020	.0000	.0000	.0000
51	.283	.0019	.0019	.0000	.0000	.0000
52	.289	.0019	.0021	.0000	.0000	.0000
53	.294	.0026	.0026	.0003	.0003	.0002
54	.300	.0033	.0033	.0008	.0008	.0004
55	.306	.0031	.0030	.0007	.0007	.0004
56	.311	.0026	.0026	.0001	.0001	.0002
57	.317	.0018	.0018	.0000	.0000	.0000
58	.322	.0019	.0019	.0000	.0000	.0000
59	.328	.0021	.0020	.0000	.0000	.0000
60	.333	.0020	.0020	.0000	.0000	.0000

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JMC125

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

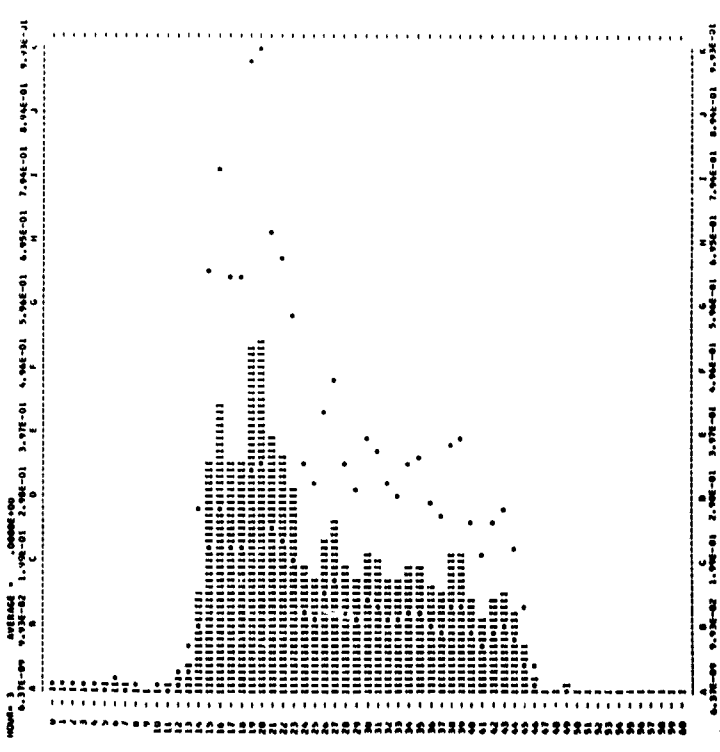
DATE = 18/ 4/58 AV. T = 8.6 RECORD = JMC126
 HOUR = 3 SIG. WGT. = 11.1 UPPER WGT. = 11.0
 TOTAL DF = 266 CORR. VAL. = 7.7 LOWER WGT. = 10.3
 NOISE LEVEL = .0036 WIND SPEED = 25

M	FRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0043	.0043	.0027	.0027	.0050
1	.006	.0074	.0074	.0058	.0058	.0070
2	.011	.0081	.0081	.0045	.0045	.0024
3	.017	.0074	.0074	.0038	.0038	.0014
4	.022	.0073	.0075	.0039	.0039	.0012
5	.028	.0088	.0088	.0052	.0052	.0033
6	.033	.0095	.0095	.0059	.0059	.0041
7	.039	.0077	.0077	.0041	.0056	.0104
8	.044	.0058	.0058	.0022	.0027	.0050
9	.050	.0056	.0056	.0020	.0023	.0043
10	.056	.0062	.0062	.0024	.0030	.0055
11	.061	.0080	.0080	.0044	.0050	.0092
12	.067	.0189	.0189	.0133	.0151	.0278
13	.072	.0374	.0374	.0338	.0390	.0719
14	.078	.1293	.1293	.1257	.1492	.2750
15	.083	.2866	.2866	.2830	.3482	.6418
16	.089	.3430	.3430	.3394	.4160	.8055
17	.094	.2590	.2590	.2554	.3449	.6357
18	.100	.2442	.2442	.2406	.3035	.5331
19	.106	.3723	.3723	.3687	.4768	.8765
20	.111	.3353	.3353	.3317	.4387	.7929
21	.117	.2231	.2231	.2195	.3029	.5057
22	.122	.1950	.1950	.1914	.2604	.4642
23	.128	.1536	.1536	.1500	.2103	.3719
24	.133	.0893	.0893	.0857	.1106	.2113
25	.139	.0743	.0743	.0707	.0914	.1673
26	.144	.0847	.0847	.0811	.1004	.1847
27	.150	.0016	.0016	.0000	.0000	.0000
28	.156	.0618	.0618	.0582	.0705	.1213
29	.161	.0493	.0493	.0457	.0544	.0947
30	.167	.0556	.0556	.0520	.0617	.1062
31	.172	.0473	.0473	.0437	.0519	.0870
32	.178	.0371	.0371	.0335	.0415	.0698
33	.183	.0318	.0318	.0282	.0361	.0585
34	.189	.0322	.0322	.0286	.0361	.0585
35	.194	.0290	.0290	.0254	.0315	.0529
36	.200	.0217	.0217	.0181	.0233	.0399
37	.206	.0185	.0185	.0149	.0197	.0323
38	.211	.0215	.0215	.0179	.0249	.0374
39	.217	.0194	.0194	.0158	.0206	.0335
40	.222	.0109	.0109	.0073	.0117	.0174
41	.228	.0089	.0089	.0053	.0093	.0130
42	.233	.0108	.0102	.0066	.0103	.0157
43	.239	.0083	.0083	.0047	.0084	.0121
44	.244	.0074	.0074	.0040	.0074	.0104
45	.250	.0056	.0056	.0019	.0048	.0078
46	.256	.0040	.0040	.0016	.0036	.0058
47	.261	.0032	.0032	.0000	.0000	.0000
48	.267	.0035	.0035	.0000	.0000	.0000
49	.272	.0037	.0037	.0001	.0001	.0001
50	.278	.0044	.0044	.0009	.0009	.0004
51	.283	.0093	.0097	.0011	.0011	.0007
52	.289	.0037	.0037	.0001	.0001	.0001
53	.294	.0027	.0027	.0000	.0000	.0000
54	.300	.0032	.0034	.0000	.0000	.0000
55	.306	.0032	.0032	.0000	.0000	.0000
56	.311	.0047	.0048	.0000	.0000	.0000
57	.317	.0034	.0034	.0000	.0000	.0000
58	.322	.0035	.0035	.0000	.0000	.0000
59	.328	.0039	.0039	.0000	.0000	.0000
60	.333	.0036	.0032	.0000	.0000	.0000

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JMC126

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

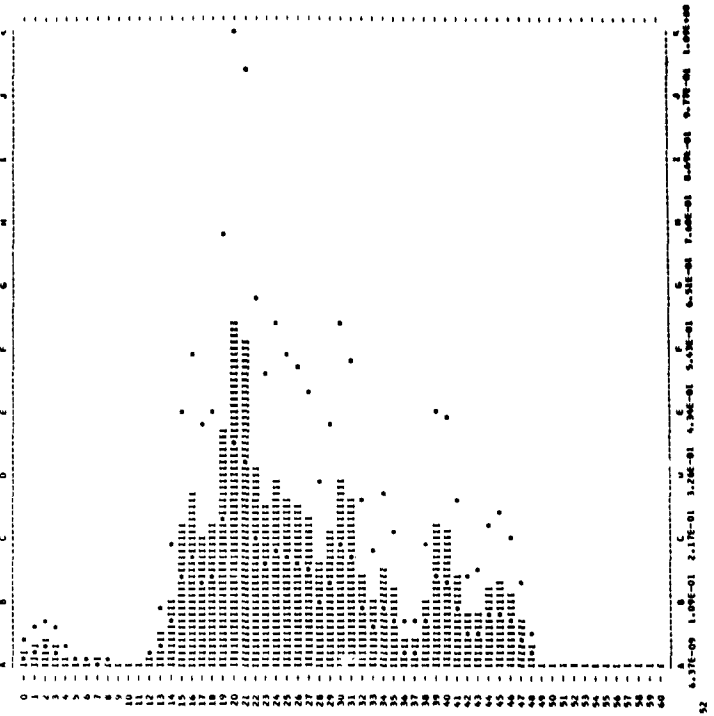


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1962

DATE = 10/ 4/58 AV. T = 6.4 RECORD = JMC127
 HOUR = 6 SIG. HGT. = 11.1 UPPER HGT. = 11.9
 CORR. VAR. = 7.4 LOWER HGT. = 10.3
 TOTAL UP = 272 NOISE LEVEL = .0035 WIND SPEED = 25

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0280	.0280	.0249	.0451	.0136
1	.006	.0382	.0382	.0347	.0639	.0221
2	.011	.0473	.0473	.0438	.0807	.0279
3	.017	.0560	.0560	.0523	.0963	.0312
4	.022	.0633	.0633	.0594	.1107	.0334
5	.028	.0693	.0693	.0653	.1238	.0346
6	.033	.0742	.0742	.0700	.1356	.0349
7	.039	.0789	.0789	.0745	.1461	.0343
8	.044	.0834	.0834	.0788	.1554	.0328
9	.050	.0876	.0876	.0828	.1636	.0314
10	.056	.0916	.0916	.0866	.1708	.0299
11	.061	.0954	.0954	.0902	.1770	.0284
12	.067	.0990	.0990	.0936	.1823	.0269
13	.072	.1024	.1024	.0968	.1867	.0254
14	.078	.1057	.1057	.0997	.1902	.0239
15	.083	.1089	.1089	.1024	.1928	.0224
16	.088	.1120	.1120	.1048	.1955	.0209
17	.094	.1149	.1149	.1069	.1973	.0194
18	.100	.1177	.1177	.1087	.1983	.0179
19	.106	.1204	.1204	.1103	.1985	.0164
20	.111	.1229	.1229	.1117	.1979	.0149
21	.117	.1253	.1253	.1129	.1965	.0134
22	.122	.1275	.1275	.1139	.1943	.0119
23	.128	.1296	.1296	.1147	.1913	.0104
24	.133	.1315	.1315	.1153	.1875	.0089
25	.139	.1332	.1332	.1157	.1829	.0074
26	.144	.1347	.1347	.1159	.1775	.0059
27	.150	.1360	.1360	.1159	.1713	.0044
28	.156	.1371	.1371	.1157	.1643	.0029
29	.161	.1380	.1380	.1153	.1565	.0014
30	.167	.1387	.1387	.1147	.1480	.0000
31	.172	.1392	.1392	.1139	.1387	.0000
32	.178	.1396	.1396	.1129	.1287	.0000
33	.183	.1398	.1398	.1117	.1180	.0000
34	.189	.1399	.1399	.1103	.1067	.0000
35	.194	.1398	.1398	.1087	.954	.0000
36	.200	.1395	.1395	.1069	.840	.0000
37	.206	.1390	.1390	.1048	.725	.0000
38	.211	.1383	.1383	.1024	.610	.0000
39	.217	.1374	.1374	.1000	.495	.0000
40	.222	.1363	.1363	.973	.380	.0000
41	.228	.1350	.1350	.954	.265	.0000
42	.233	.1335	.1335	.932	.150	.0000
43	.239	.1319	.1319	.907	.35	.0000
44	.244	.1301	.1301	.880	.0000	.0000
45	.250	.1282	.1282	.850	.0000	.0000
46	.256	.1261	.1261	.817	.0000	.0000
47	.261	.1239	.1239	.782	.0000	.0000
48	.267	.1215	.1215	.745	.0000	.0000
49	.272	.1190	.1190	.706	.0000	.0000
50	.278	.1163	.1163	.665	.0000	.0000
51	.283	.1135	.1135	.622	.0000	.0000
52	.289	.1106	.1106	.577	.0000	.0000
53	.294	.1076	.1076	.530	.0000	.0000
54	.300	.1045	.1045	.481	.0000	.0000
55	.306	.1013	.1013	.430	.0000	.0000
56	.311	.979	.979	.377	.0000	.0000
57	.317	.944	.944	.322	.0000	.0000
58	.322	.908	.908	.265	.0000	.0000
59	.328	.871	.871	.207	.0000	.0000
60	.333	.833	.833	.148	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE = .00000000
 0.17E-09 1.00E-01 2.17E-01 3.26E-01 4.34E-01 5.43E-01 6.51E-01 7.59E-01 8.67E-01 9.75E-01 1.00E+00

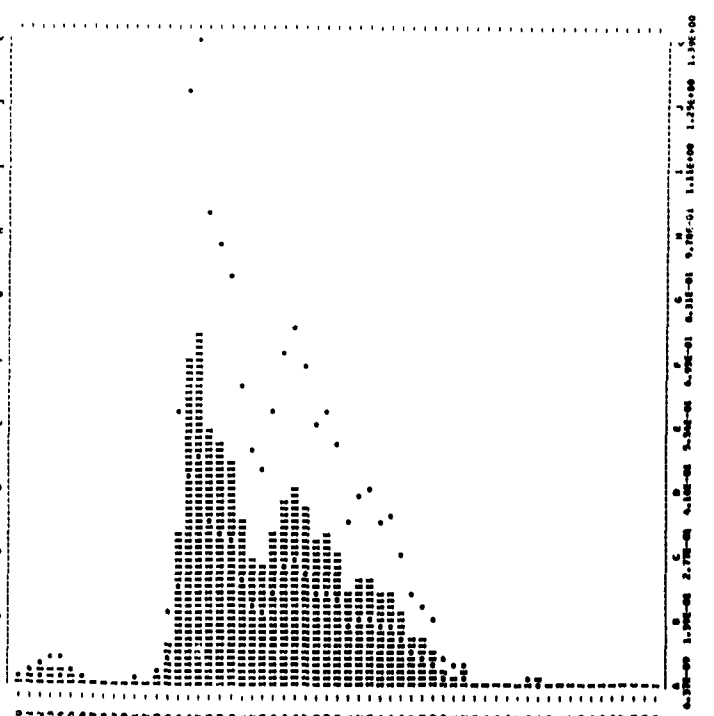


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 4/58 AV. T = 7.3 RECORD = JMC128
 HOUR = 12 SIG. HGT. = 11.9 UPPER HGT. = 12.5
 CORR. VAR. = 8.3 LOWER HGT. = 10.5
 TOTAL UP = 210 NOISE LEVEL = .0057 WIND SPEED = 25

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0105	.0105	.0048	.0089	.0031
1	.006	.0172	.0172	.0115	.0213	.0073
2	.011	.0249	.0249	.0232	.0428	.0148
3	.017	.0333	.0333	.0336	.0620	.0214
4	.022	.0381	.0381	.0324	.0598	.0257
5	.028	.0429	.0429	.0352	.0281	.0097
6	.033	.0481	.0481	.0324	.0073	.0025
7	.039	.0567	.0567	.0310	.0226	.0070
8	.044	.0636	.0636	.0300	.0000	.0000
9	.050	.0711	.0711	.0300	.0000	.0000
10	.056	.0775	.0775	.0318	.0039	.0013
11	.061	.0845	.0845	.0338	.0080	.0028
12	.067	.0916	.0916	.0369	.0111	.0020
13	.072	.0977	.0977	.0410	.0142	.0013
14	.078	.1046	.1046	.0462	.1552	.0536
15	.083	.1115	.1115	.0524	.1581	.2032
16	.088	.1184	.1184	.0596	.1278	.4404
17	.094	.1262	.1262	.0677	.7518	.4787
18	.100	.1347	.1347	.0767	.5461	.1086
19	.106	.1416	.1416	.0865	.5104	.9407
20	.111	.1485	.1485	.0971	.4707	.8676
21	.117	.1555	.1555	.1084	.3826	.8370
22	.122	.1624	.1624	.1204	.2889	.8201
23	.128	.1693	.1693	.1330	.1997	.8201
24	.133	.1762	.1762	.1461	.1157	.8201
25	.139	.1830	.1830	.1597	.0317	.8201
26	.144	.1898	.1898	.1738	.0476	.8201
27	.150	.1966	.1966	.1884	.0635	.8201
28	.156	.2033	.2033	.2033	.0794	.8201
29	.161	.2099	.2099	.2184	.0953	.8201
30	.167	.2165	.2165	.2335	.1112	.8201
31	.172	.2230	.2230	.2486	.1271	.8201
32	.178	.2294	.2294	.2637	.1430	.8201
33	.183	.2357	.2357	.2788	.1589	.8201
34	.189	.2419	.2419	.2939	.1748	.8201
35	.194	.2480	.2480	.3090	.1907	.8201
36	.200	.2540	.2540	.3241	.2066	.8201
37	.206	.2600	.2600	.3392	.2225	.8201
38	.211	.2659	.2659	.3543	.2384	.8201
39	.217	.2718	.2718	.3694	.2543	.8201
40	.222	.2776	.2776	.3845	.2702	.8201
41	.228	.2834	.2834	.3996	.2861	.8201
42	.233	.2891	.2891	.4147	.3020	.8201
43	.239	.2948	.2948	.4298	.3179	.8201
44	.244	.3004	.3004	.4449	.3338	.8201
45	.250	.3059	.3059	.4600	.3497	.8201
46	.256	.3113	.3113	.4751	.3656	.8201
47	.261	.3166	.3166	.4902	.3815	.8201
48	.267	.3218	.3218	.5053	.3974	.8201
49	.272	.3269	.3269	.5204	.4133	.8201
50	.278	.3319	.3319	.5355	.4292	.8201
51	.283	.3368	.3368	.5506	.4451	.8201
52	.289	.3416	.3416	.5657	.4610	.8201
53	.294	.3463	.3463	.5808	.4769	.8201
54	.300	.3509	.3509	.5959	.4928	.8201
55	.306	.3554	.3554	.6110	.5087	.8201
56	.311	.3598	.3598	.6261	.5246	.8201
57	.317	.3641	.3641	.6412	.5405	.8201
58	.322	.3683	.3683	.6563	.5564	.8201
59	.328	.3724	.3724	.6714	.5723	.8201
60	.333	.3764	.3764	.6865	.5882	.8201

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12 AVERAGE = .00000000
 0.17E-09 1.00E-01 2.17E-01 3.26E-01 4.34E-01 5.43E-01 6.51E-01 7.59E-01 8.67E-01 9.75E-01 1.00E+00

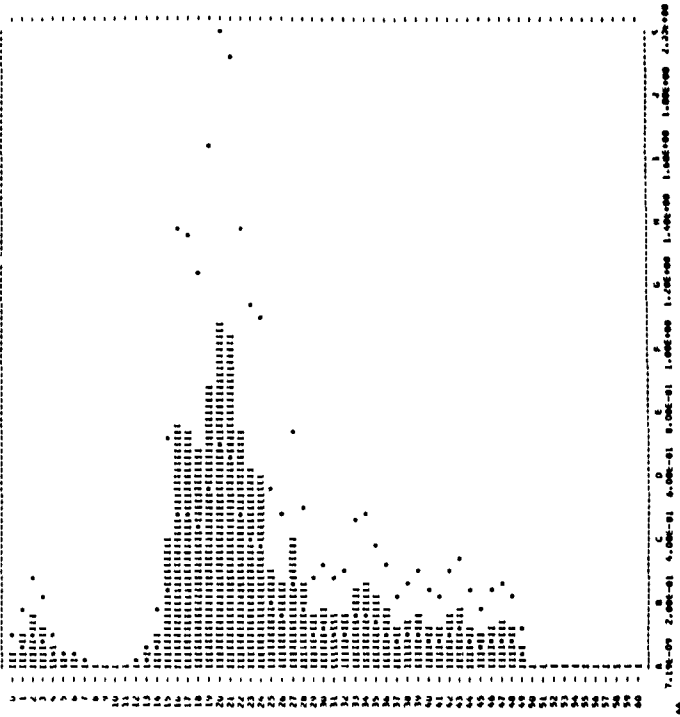


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 4/58 AV. T₀ = 6.9 RECORD = JMC129
 NMR = 10 SIG.HGT. = 14.3 UPPER HGT. = 15.4
 TOTAL OP = 227 CORR. VAR. = 12.7 LOWER HGT. = 13.2
 NOISE LEVEL = .0002 WIND SPEED = 25

N	Freq.	UNIT#1.2	FILTERED	NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0000	.0000	.0000	.0000	.0010	.0317
1	.006	.1039	.1039	.0997	.0997	.1765	.0610
2	.011	.1590	.1590	.1527	.1517	.2787	.0946
3	.017	.1802	.1802	.1720	.1720	.2249	.0777
4	.022	.0821	.0821	.0839	.0839	.0994	.0363
5	.028	.0279	.0279	.0267	.0267	.0360	.0150
6	.033	.0187	.0187	.0165	.0170	.0316	.0108
7	.039	.0166	.0166	.0066	.0088	.0163	.0056
8	.046	.0109	.0109	.0027	.0032	.0063	.0022
9	.050	.0087	.0087	.0005	.0006	.0012	.0004
10	.056	.0083	.0083	.0001	.0002	.0003	.0001
11	.061	.0071	.0071	.0000	.0000	.0000	.0000
12	.067	.0149	.0149	.0067	.0076	.0141	.0049
13	.072	.0388	.0388	.0300	.0356	.0652	.0225
14	.078	.0948	.0948	.0866	.1028	.1896	.0659
15	.083	.3256	.3256	.3176	.3906	.7199	.2687
16	.089	.5956	.5956	.5872	.7843	1.2903	.6893
17	.096	.9572	.9572	.9400	.7616	1.3666	.6721
18	.10C	.4817	.4817	.4735	.6701	1.2461	.4305
19	.106	.3940	.3940	.3858	.6001	1.6405	.5667
20	.111	.1617	.1617	.1576	.1858	2.0012	.6816
21	.117	.0066	.0066	.0066	1.0439	1.9241	.6647
22	.122	.0067	.0067	.0065	.7506	1.8830	.6778
23	.128	.0136	.0136	.0136	.6236	1.6493	.6170
24	.133	.2750	.2750	.2669	.5935	1.0940	.3779
25	.139	.1240	.1240	.1258	.9046	.5648	.1991
26	.146	.1071	.1071	.1089	.8481	.6081	.1866
27	.150	.1637	.1637	.1355	.6002	.7375	.2548
28	.156	.0907	.0907	.0825	.2701	.6979	.1720
29	.161	.0118	.0118	.0118	.1560	.2875	.0993
30	.167	.0508	.0508	.0426	.1736	.3200	.1105
31	.172	.0624	.0624	.0342	.1563	.2881	.0995
32	.178	.0796	.0796	.0712	.1609	.2945	.1074
33	.183	.0506	.0506	.0424	.2470	.4552	.1572
34	.189	.0476	.0476	.0396	.2608	.6308	.1601
35	.196	.0611	.0611	.0529	.2106	.3882	.1361
36	.200	.0279	.0279	.0197	.1704	.3141	.1085
37	.206	.0202	.0202	.0120	.1196	.2201	.0780
38	.211	.0208	.0208	.0128	.1467	.2867	.0921
39	.217	.0207	.0207	.0125	.1064	.1067	.1000
40	.222	.0155	.0155	.0081	.1252	.2307	.0797
41	.228	.0136	.0136	.0064	.1160	.2138	.0738
42	.233	.0161	.0161	.0075	.1581	.2916	.1007
43	.239	.0170	.0170	.0072	.1762	.3303	.1141
44	.246	.0166	.0166	.0076	.1809	.3481	.1085
45	.250	.0105	.0105	.0029	.0997	.1838	.0635
46	.256	.0117	.0117	.0030	.1250	.2303	.0796
47	.261	.0109	.0109	.0028	.1607	.2596	.0946
48	.267	.0107	.0107	.0021	.1243	.2290	.0791
49	.272	.0088	.0088	.0022	.0819	.1161	.0396
50	.278	.0078	.0078	.0030	.0000	.0000	.0000
51	.283	.0076	.0076	.0000	.0000	.0000	.0000
52	.289	.0075	.0075	.0000	.0000	.0000	.0000
53	.296	.0047	.0047	.0000	.0000	.0000	.0000
54	.300	.0035	.0035	.0000	.0000	.0000	.0000
55	.306	.0063	.0063	.0000	.0000	.0000	.0000
56	.311	.0117	.0105	.0076	.0024	.0044	.0015
57	.317	.0116	.0110	.0028	.0028	.0052	.0018
58	.322	.0100	.0100	.0019	.0019	.0035	.0012
59	.328	.0089	.0081	.0005	.0005	.0017	.0006
60	.333	.0085	.0087	.0000	.0000	.0010	.0003

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 10/ 4/58 AV. T₀ = 6.9 RECORD = JMC129
 NMR = 10 SIG.HGT. = 14.3 UPPER HGT. = 15.4
 TOTAL OP = 227 CORR. VAR. = 12.7 LOWER HGT. = 13.2
 NOISE LEVEL = .0002 WIND SPEED = 25

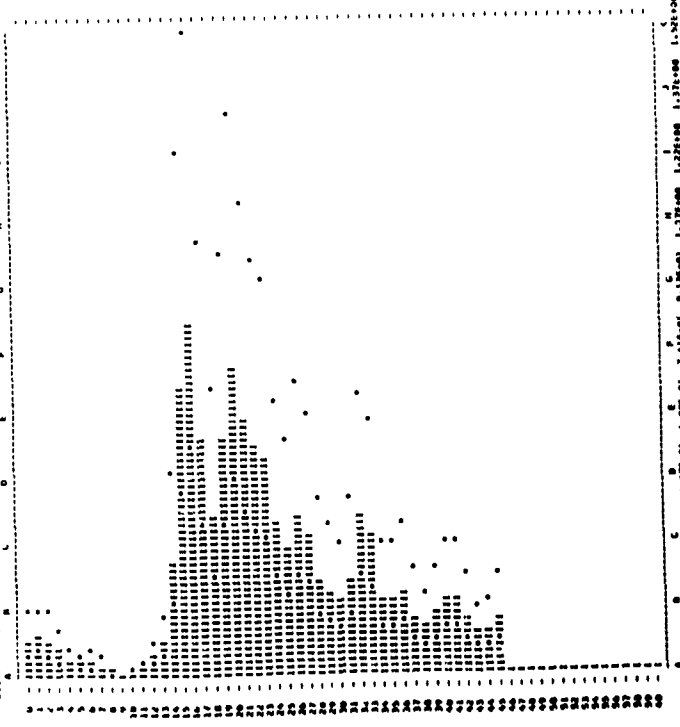


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 4/58 AV. T₀ = 7.1 RECORD = JMC130
 NMR = 21 SIG.HGT. = 13.8 UPPER HGT. = 14.0
 TOTAL OP = 252 CORR. VAR. = 10.8 LOWER HGT. = 12.1
 NOISE LEVEL = .0036 WIND SPEED = 30

N	Freq.	UNIT#1.2	FILTERED	NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0028	.0028	.0792	.0792	.1459	.0504
1	.006	.0041	.0041	.0045	.0045	.1357	.0538
2	.011	.0048	.0048	.0012	.0012	.1496	.0517
3	.017	.0014	.0014	.0078	.0578	.1065	.0148
4	.022	.0001	.0001	.0365	.0365	.0672	.0232
5	.028	.0000	.0000	.0252	.0252	.0444	.0160
6	.033	.0037	.0037	.0077	.0077	.0364	.0106
7	.039	.0193	.0193	.0177	.0215	.0397	.0137
8	.046	.0119	.0119	.0083	.0103	.0190	.0086
9	.050	.0056	.0056	.0020	.0023	.0043	.0033
10	.056	.0062	.0062	.0004	.0052	.0096	.0035
11	.061	.0186	.0186	.0148	.0167	.0301	.0106
12	.067	.1107	.1107	.0371	.0670	.0779	.0248
13	.072	.1078	.1078	.0362	.0741	.1366	.0472
14	.078	.2710	.2710	.1180	.2587	.4789	.1867
15	.083	.5482	.5482	.5466	.6700	1.2350	.4266
16	.089	.6466	.6466	.6426	.8256	1.5216	.5257
17	.096	.6141	.6141	.6109	.5963	1.0217	.3329
18	.100	.2757	.2757	.2735	.3611	.6670	.2306
19	.106	.3383	.3383	.3357	.4904	.9960	.3641
20	.111	.6448	.6448	.6412	.7185	1.3206	.5562
21	.117	.3676	.3676	.3638	.5667	1.1053	.3818
22	.122	.2893	.2893	.2879	.5300	.9768	.3374
23	.128	.2514	.2514	.2478	.5098	.9323	.3221
24	.133	.1805	.1805	.1567	.3866	.6631	.2222
25	.139	.1290	.1290	.1276	.2956	.5467	.1882
26	.146	.1618	.1618	.1482	.3648	.6816	.2359
27	.150	.1161	.1161	.1109	.3261	.6011	.2077
28	.156	.0706	.0706	.0670	.2172	.4039	.1399
29	.161	.0555	.0555	.0520	.1892	.3688	.1205
30	.167	.0666	.0666	.0610	.1665	.3076	.1082
31	.172	.0918	.0918	.0882	.2199	.4053	.1400
32	.178	.0731	.0731	.0695	.1577	.3593	.1278
33	.183	.0586	.0586	.0548	.1267	.2876	.1029
34	.189	.0282	.0282	.0256	.1441	.3117	.1077
35	.196	.0260	.0260	.0224	.1086	.3108	.1076
36	.200	.0292	.0292	.0250	.1162	.3633	.1186
37	.206	.0166	.0166	.0130	.1286	.2371	.0910
38	.211	.0125	.0125	.0099	.1015	.1871	.0866
39	.217	.0136	.0136	.0099	.1296	.2789	.1019
40	.222	.0132	.0132	.0106	.1634	.3012	.1041
41	.228	.0131	.0127	.0090	.1629	.3002	.1037
42	.233	.0095	.0095	.0081	.1264	.2296	.0782
43	.239	.0064	.0071	.0059	.0862	.1568	.0549
44	.246	.0063	.0067	.0031	.0901	.1661	.0576
45	.250	.0078	.0087	.0060	.1127	.2359	.0811
46	.256	.0073	.0075	.0039	.0639	.1071	.0025
47	.261	.0074	.0076	.0038	.0638	.1070	.0026
48	.267	.0072	.0069	.0036	.0630	.1066	.0026
49	.272	.0067	.0068	.0032	.0612	.1022	.0026
50	.278	.0027	.0036	.0000	.0000	.0000	.0000
51	.283	.0036	.0036	.0000	.0000	.0000	.0000
52	.289	.0047	.0047	.0000	.0000	.0011	.0004
53	.296	.0040	.0041	.0000	.0000	.0000	.0003
54	.300	.0016	.0035	.0000	.0000	.0000	.0000
55	.306	.0030	.0031	.0000	.0000	.0000	.0000
56	.311	.0030	.0033	.0000	.0000	.0000	.0000
57	.317	.0043	.0040	.0003	.0003	.0000	.0000
58	.322	.0043	.0043	.0000	.0000	.0000	.0000
59	.328	.0032	.0033	.0000	.0000	.0000	.0000
60	.333	.0027	.0029	.0000	.0000	.0000	.0000

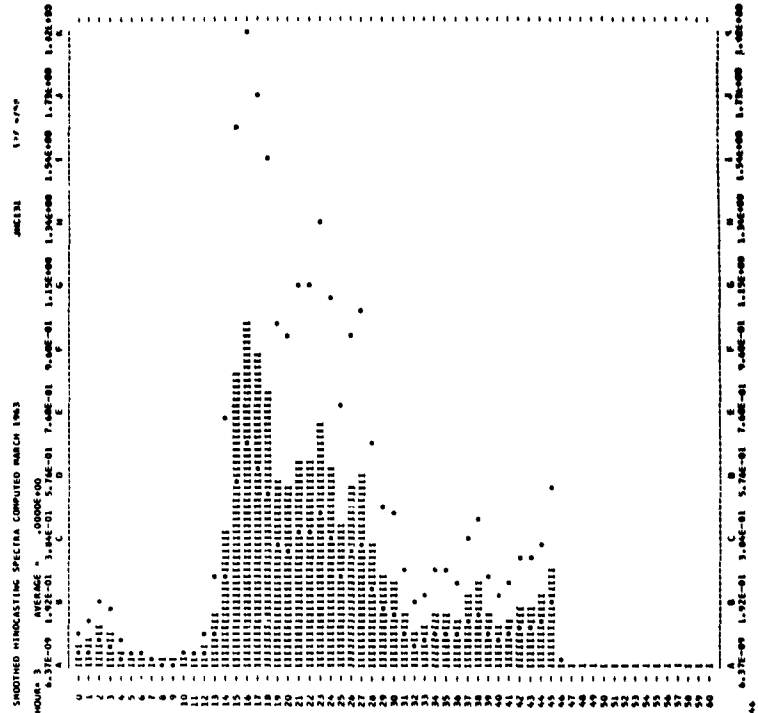
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 10/ 4/58 AV. T₀ = 7.1 RECORD = JMC130
 NMR = 21 SIG.HGT. = 13.8 UPPER HGT. = 14.0
 TOTAL OP = 252 CORR. VAR. = 10.8 LOWER HGT. = 12.1
 NOISE LEVEL = .0036 WIND SPEED = 30



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 4/58 AV. T = 7.2 RECORD = JMC131
 HOUR = 3 SIG.MGT. = 19.7 UPPER MGT. = 19.8
 TOTAL OF 261 CORR. VAR. = 12.4 LOWER MGT. = 13.0
 NOISE LEVEL = .0050 WIND SPEED = 10

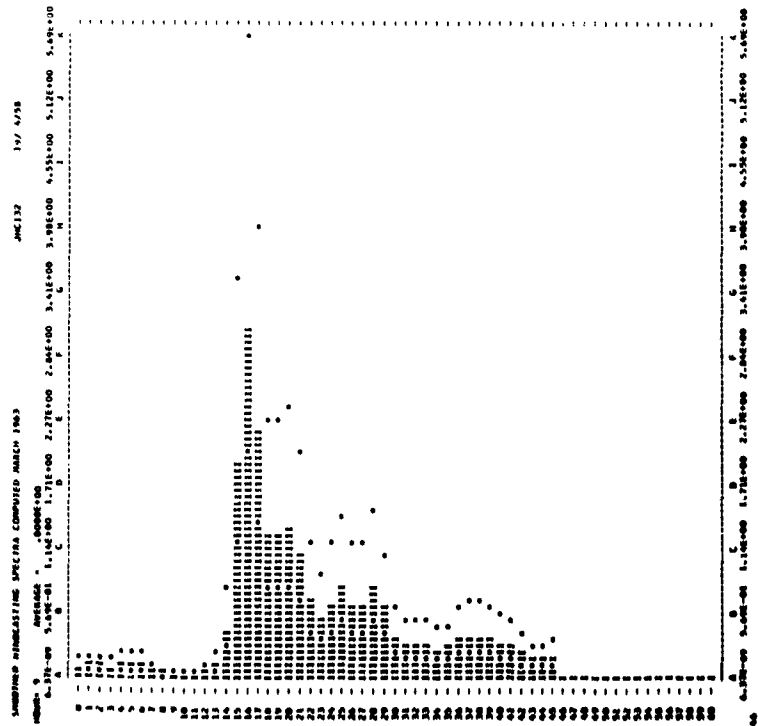
H	PRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.000	.000	.000	.000	.1013	.0350
1	.000	.000	.000	.000	.0742	.1367	.0472
2	.011	.1190	.1150	.1092	.1092	.2012	.0695
3	.017	.1032	.1022	.1006	.1006	.1770	.0614
4	.022	.0481	.0481	.0483	.0483	.0770	.0269
5	.023	.0237	.0237	.0175	.0175	.0322	.0111
6	.033	.0195	.0195	.0137	.0137	.0407	.0201
7	.039	.0124	.0124	.0066	.0066	.0166	.0058
8	.046	.0162	.0162	.0104	.0104	.0238	.0082
9	.050	.0283	.0283	.0128	.0128	.0167	.0050
10	.056	.0219	.0219	.0157	.0157	.0170	.0020
11	.061	.0237	.0237	.0199	.0224	.0416	.0143
12	.067	.0390	.0390	.0392	.0392	.1028	.0300
13	.072	.1336	.1336	.1278	.1478	.2710	.0939
14	.078	.3510	.3510	.3482	.4097	.7382	.2609
15	.083	.7233	.7233	.7168	.8013	1.4268	.5013
16	.089	.0160	.0160	.0110	1.0417	1.9200	.6633
17	.096	.7012	.7012	.6964	.9390	1.7308	.5978
18	.100	.0160	.0160	.0102	.8287	1.3267	.3274
19	.106	.3769	.3769	.3711	.5638	1.0391	.3590
20	.111	.3435	.3435	.3367	.5668	1.0078	.3462
21	.117	.3630	.3630	.3572	.6231	1.1488	.3967
22	.122	.3360	.3360	.3302	.6216	1.1488	.3939
23	.128	.3806	.3806	.3748	.7203	1.3349	.4612
24	.133	.3769	.3769	.3711	.8211	1.7111	.5409
25	.139	.1798	.1798	.1740	.4236	.7008	.2497
26	.146	.0280	.0280	.0222	.5611	.9974	.3645
27	.150	.0287	.0287	.0229	.6111	1.0771	.3701
28	.156	.1174	.1174	.1116	.3651	.6730	.2325
29	.161	.0784	.0784	.0726	.2663	.4871	.1683
30	.167	.0464	.0464	.0406	.1121	.2034	.0714
31	.172	.0397	.0397	.0339	.1598	.2867	.1018
32	.178	.0231	.0231	.0173	.1092	.1829	.0632
33	.183	.0231	.0231	.0173	.1121	.1934	.0674
34	.189	.0300	.0300	.0242	.1599	.2567	.1018
35	.196	.0271	.0271	.0213	.1600	.2566	.1021
36	.200	.0217	.0217	.0159	.1370	.1932	.0673
37	.206	.0266	.0266	.0208	.2040	.3797	.1312
38	.211	.0266	.0266	.0208	.2040	.4024	.1328
39	.217	.0169	.0169	.0111	.1449	.1702	.0523
40	.222	.0118	.0118	.0077	.1191	.2129	.0758
41	.228	.0136	.0136	.0092	.1199	.2372	.0868
42	.233	.0151	.0151	.0093	.1175	.2372	.1115
43	.239	.0126	.0126	.0071	.1175	.2372	.1130
44	.244	.0112	.0112	.0066	.1211	.2718	.1284
45	.250	.0150	.0150	.0083	.2888	.5223	.1839
46	.256	.0149	.0149	.0080	.0080	.0148	.0051
47	.261	.0166	.0166	.0110	.0052	.0096	.0033
48	.267	.0080	.0080	.0024	.0024	.0045	.0015
49	.272	.0064	.0064	.0005	.0005	.0009	.0003
50	.278	.0065	.0065	.0000	.0000	.0000	.0000
51	.283	.0045	.0045	.0000	.0000	.0000	.0000
52	.289	.0047	.0047	.0000	.0000	.0000	.0000
53	.296	.0053	.0053	.0000	.0000	.0000	.0000
54	.300	.0067	.0067	.0004	.0004	.0011	.0004
55	.306	.0085	.0085	.0004	.0004	.0011	.0004
56	.311	.0089	.0089	.0003	.0003	.0004	.0003
57	.317	.0068	.0068	.0007	.0007	.0014	.0005
58	.322	.0088	.0088	.0007	.0007	.0013	.0004
59	.328	.0057	.0057	.0000	.0000	.0000	.0000
60	.333	.0050	.0050	.0000	.0000	.0000	.0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 19/ 4/58 AV. T = 7.2 RECORD = JMC132
 HOUR = 9 SIG.MGT. = 19.2 UPPER MGT. = 20.4
 TOTAL OF 185 CORR. VAR. = 23.1 LOWER MGT. = 17.7
 NOISE LEVEL = .0069 WIND SPEED = 30

H	PRE.	UNIT-PT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0870	.0870	.0801	.0801	.1476	.0510
1	.006	.1027	.1027	.0958	.0958	.1765	.0610
2	.011	.0848	.0848	.0800	.0800	.1421	.0560
3	.017	.0918	.0918	.0849	.0849	.1564	.0540
4	.022	.1258	.1258	.1189	.1189	.2191	.0757
5	.028	.1202	.1202	.1133	.1133	.2008	.0721
6	.033	.0848	.0848	.0770	.0770	.1328	.0501
7	.039	.0539	.0539	.0470	.0465	.1189	.0411
8	.046	.0378	.0378	.0309	.0304	.0708	.0245
9	.050	.0277	.0277	.0208	.0204	.0450	.0155
10	.056	.0214	.0214	.0145	.0145	.0304	.0105
11	.061	.0207	.0207	.0138	.0135	.0286	.0099
12	.067	.0516	.0516	.0447	.0407	.0796	.0323
13	.072	.1058	.1058	.0989	.1142	.2104	.0727
14	.078	.1653	.1653	.1584	.1624	.2864	.1028
15	.083	1.5542	1.5542	1.5473	1.6038	3.5089	1.2122
16	.089	2.4091	2.4091	2.4022	3.0936	5.6872	1.9647
17	.096	1.6174	1.6174	1.6105	2.1748	4.0084	1.3848
18	.100	.8774	.8774	.8705	1.2428	2.1906	.7913
19	.106	.8235	.8235	.8166	1.2408	2.2866	.7899
20	.111	.8031	.8031	.7962	1.2931	2.3823	.8233
21	.117	.8223	.8223	.8154	1.0734	1.9785	.6835
22	.122	.3554	.3554	.3485	.6561	1.2093	.4178
23	.128	.2508	.2508	.2439	.4478	.9176	.3170
24	.133	.2918	.2918	.2849	.4326	1.1479	.4035
25	.139	.3263	.3263	.3194	.7728	1.4243	.4920
26	.146	.2454	.2454	.2385	.6383	1.1764	.4064
27	.150	.2228	.2228	.2159	.6372	1.1764	.4058
28	.156	.2508	.2508	.2439	.7980	1.4709	.5081
29	.161	1.1720	1.1720	1.1651	.8011	1.1079	.3827
30	.167	.0425	.0425	.0356	.3484	.6621	.2218
31	.172	.0685	.0685	.0616	.2824	.5206	.1798
32	.178	.0383	.0383	.0314	.2665	.4875	.1684
33	.183	.0383	.0383	.0314	.2813	.5195	.1829
34	.189	.0450	.0450	.0381	.2517	.4440	.1603
35	.196	.0416	.0416	.0347	.2613	.4816	.1684
36	.200	.0460	.0460	.0391	.3373	.6213	.2148
37	.206	.0434	.0434	.0365	.3616	.6665	.2303
38	.211	.0387	.0387	.0318	.3838	.6701	.2315
39	.217	.0318	.0318	.0249	.3899	.6881	.2101
40	.222	.0268	.0268	.0200	.3083	.5687	.1643
41	.228	.0228	.0228	.0160	.2673	.4926	.1402
42	.233	.0197	.0197	.0128	.2051	.3780	.1104
43	.239	.0129	.0129	.0060	.1612	.2971	.0828
44	.244	.0124	.0124	.0055	.1604	.2957	.0821
45	.250	.0123	.0123	.0055	.1168	.1934	.0528
46	.256	.0131	.0131	.0061	.0061	.0112	.0039
47	.261	.0118	.0118	.0064	.0064	.0117	.0041
48	.267	.0131	.0131	.0062	.0062	.0114	.0039
49	.272	.0128	.0128	.0059	.0059	.0100	.0034
50	.278	.0118	.0118	.0058	.0058	.0070	.0024
51	.283	.0080	.0080	.0025	.0025	.0047	.0016
52	.289	.0094	.0094	.0028	.0028	.0046	.0019
53	.296	.0101	.0101	.0030	.0030	.0046	.0019
54	.300	.0100	.0100	.0028	.0028	.0036	.0014
55	.306	.0071	.0071	.0023	.0023	.0030	.0011
56	.311	.0064	.0064	.0020	.0020	.0020	.0006
57	.317	.0046	.0046	.0015	.0015	.0015	.0004
58	.322	.0040	.0040	.0010	.0010	.0010	.0003
59	.328	.0040	.0040	.0010	.0010	.0010	.0003
60	.333	.0030	.0030	.0006	.0006	.0006	.0002

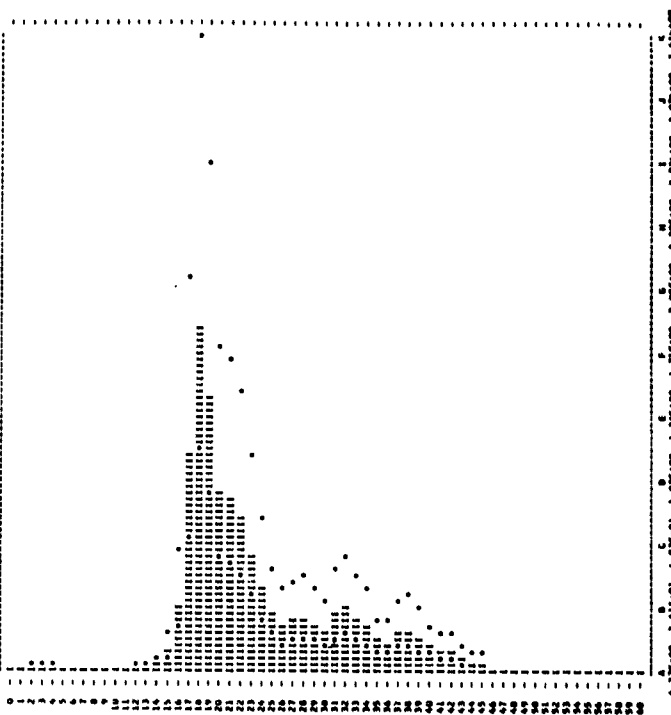


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 4/58 AV. T = 7.3 RECORD = JMC133
 HOUR = 19 SIG.MGT. = 10.0 UPPER MGT. = 15.0
 TOTAL DP = 192 CURR. VAR. = 12.0 LOWER MGT. = 13.1
 NOISE LEVEL = .0052 WIND SPEED = 25

N	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0000	.0000	.0000	.0000	.0015	.0005
1	.006	.0102	.0102	.0050	.0050	.0052	.0032
2	.011	.0177	.0177	.0125	.0125	.0200	.0000
3	.017	.0234	.0234	.0170	.0170	.0217	.0075
4	.022	.0310	.0310	.0235	.0235	.0253	.0053
5	.028	.0396	.0396	.0300	.0300	.0289	.0029
6	.033	.0477	.0477	.0350	.0350	.0300	.0000
7	.039	.0559	.0559	.0400	.0400	.0300	.0000
8	.044	.0641	.0641	.0450	.0450	.0300	.0000
9	.050	.0727	.0727	.0500	.0500	.0300	.0000
10	.056	.0814	.0814	.0550	.0550	.0300	.0000
11	.061	.0900	.0900	.0600	.0600	.0300	.0000
12	.067	.0987	.0987	.0650	.0650	.0300	.0000
13	.072	.0103	.0103	.0103	.0103	.0300	.0000
14	.078	.0184	.0184	.0184	.0184	.0300	.0000
15	.083	.0265	.0265	.0265	.0265	.0300	.0000
16	.089	.0346	.0346	.0346	.0346	.0300	.0000
17	.094	.0427	.0427	.0427	.0427	.0300	.0000
18	.100	.0508	.0508	.0508	.0508	.0300	.0000
19	.106	.0589	.0589	.0589	.0589	.0300	.0000
20	.111	.0670	.0670	.0670	.0670	.0300	.0000
21	.117	.0751	.0751	.0751	.0751	.0300	.0000
22	.122	.0832	.0832	.0832	.0832	.0300	.0000
23	.128	.0913	.0913	.0913	.0913	.0300	.0000
24	.133	.1000	.1000	.1000	.1000	.0300	.0000
25	.139	.1081	.1081	.1081	.1081	.0300	.0000
26	.144	.1162	.1162	.1162	.1162	.0300	.0000
27	.150	.1243	.1243	.1243	.1243	.0300	.0000
28	.156	.1324	.1324	.1324	.1324	.0300	.0000
29	.161	.1405	.1405	.1405	.1405	.0300	.0000
30	.167	.1486	.1486	.1486	.1486	.0300	.0000
31	.172	.1567	.1567	.1567	.1567	.0300	.0000
32	.178	.1648	.1648	.1648	.1648	.0300	.0000
33	.183	.1729	.1729	.1729	.1729	.0300	.0000
34	.189	.1810	.1810	.1810	.1810	.0300	.0000
35	.194	.1891	.1891	.1891	.1891	.0300	.0000
36	.200	.1972	.1972	.1972	.1972	.0300	.0000
37	.206	.2053	.2053	.2053	.2053	.0300	.0000
38	.211	.2134	.2134	.2134	.2134	.0300	.0000
39	.217	.2215	.2215	.2215	.2215	.0300	.0000
40	.222	.2296	.2296	.2296	.2296	.0300	.0000
41	.228	.2377	.2377	.2377	.2377	.0300	.0000
42	.233	.2458	.2458	.2458	.2458	.0300	.0000
43	.239	.2539	.2539	.2539	.2539	.0300	.0000
44	.244	.2620	.2620	.2620	.2620	.0300	.0000
45	.250	.2701	.2701	.2701	.2701	.0300	.0000
46	.256	.2782	.2782	.2782	.2782	.0300	.0000
47	.261	.2863	.2863	.2863	.2863	.0300	.0000
48	.267	.2944	.2944	.2944	.2944	.0300	.0000
49	.272	.3025	.3025	.3025	.3025	.0300	.0000
50	.278	.3106	.3106	.3106	.3106	.0300	.0000
51	.283	.3187	.3187	.3187	.3187	.0300	.0000
52	.289	.3268	.3268	.3268	.3268	.0300	.0000
53	.294	.3349	.3349	.3349	.3349	.0300	.0000
54	.300	.3430	.3430	.3430	.3430	.0300	.0000
55	.306	.3511	.3511	.3511	.3511	.0300	.0000
56	.311	.3592	.3592	.3592	.3592	.0300	.0000
57	.317	.3673	.3673	.3673	.3673	.0300	.0000
58	.322	.3754	.3754	.3754	.3754	.0300	.0000
59	.328	.3835	.3835	.3835	.3835	.0300	.0000
60	.333	.3916	.3916	.3916	.3916	.0300	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC133 10/ 4/58
 HOURS: 1.770-00 1.770-01 1.770-02 1.770-03 1.770-04 1.770-05 1.770-06 1.770-07 1.770-08 1.770-09 1.770-10 1.770-11 1.770-12 1.770-13 1.770-14 1.770-15 1.770-16 1.770-17 1.770-18 1.770-19 1.770-20 1.770-21 1.770-22 1.770-23 1.770-24 1.770-25 1.770-26 1.770-27 1.770-28 1.770-29 1.770-30 1.770-31 1.770-32 1.770-33 1.770-34 1.770-35 1.770-36 1.770-37 1.770-38 1.770-39 1.770-40 1.770-41 1.770-42 1.770-43 1.770-44 1.770-45 1.770-46 1.770-47 1.770-48 1.770-49 1.770-50

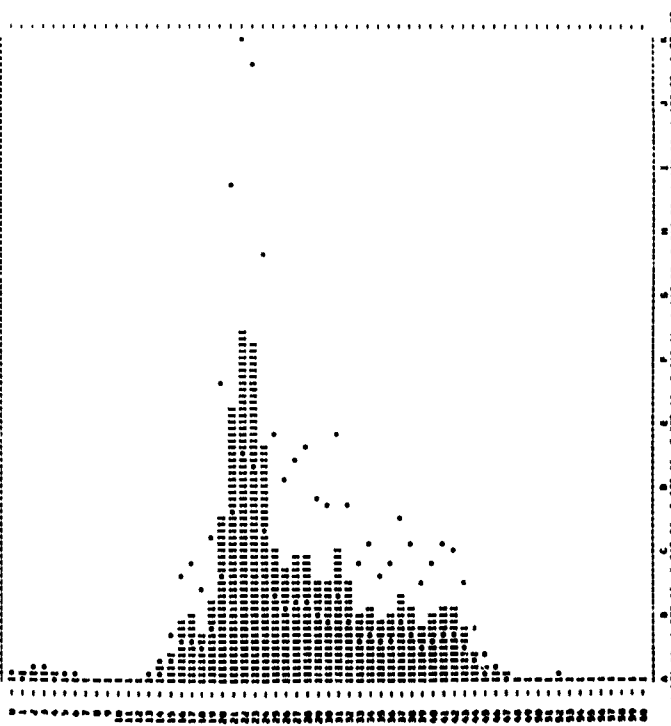


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/ 4/58 AV. T = 6.4 RECORD = JMC134
 HOUR = 21 SIG.MGT. = 12.2 UPPER MGT. = 13.2
 TOTAL DP = 202 CURR. VAR. = 9.2 LOWER MGT. = 11.2
 NOISE LEVEL = .0027 WIND SPEED = 25

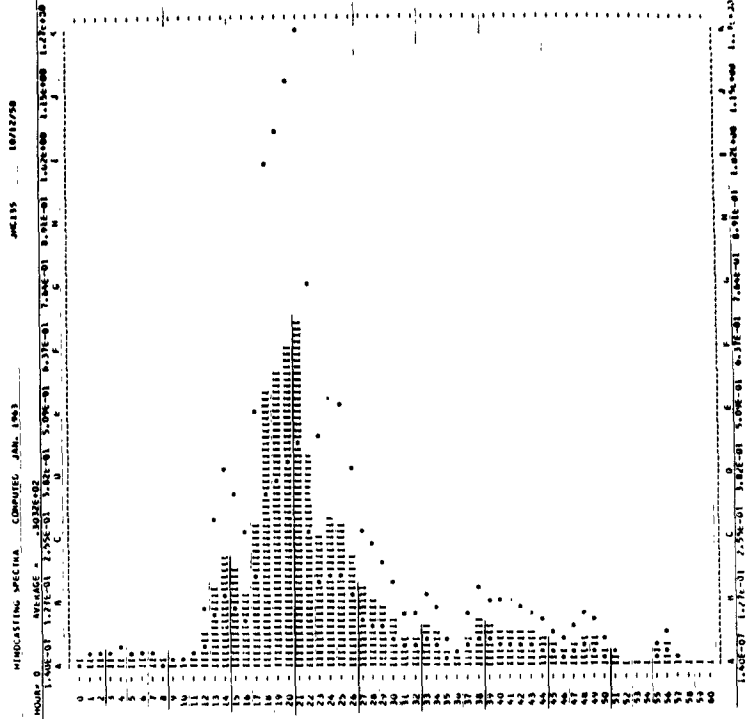
N	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0104	.0104	.0077	.0077	.0142	.0049
1	.006	.0163	.0163	.0136	.0136	.0251	.0087
2	.011	.0234	.0234	.0207	.0207	.0364	.0132
3	.017	.0310	.0310	.0279	.0279	.0477	.0200
4	.022	.0396	.0396	.0350	.0350	.0590	.0279
5	.028	.0477	.0477	.0427	.0427	.0703	.0359
6	.033	.0559	.0559	.0500	.0500	.0816	.0438
7	.039	.0641	.0641	.0581	.0581	.0929	.0517
8	.044	.0727	.0727	.0662	.0662	.1042	.0596
9	.050	.0814	.0814	.0743	.0743	.1155	.0675
10	.056	.0900	.0900	.0821	.0821	.1268	.0754
11	.061	.0987	.0987	.0900	.0900	.1381	.0833
12	.067	.1073	.1073	.0981	.0981	.1494	.0912
13	.072	.1154	.1154	.1062	.1062	.1607	.0991
14	.078	.1235	.1235	.1143	.1143	.1720	.1070
15	.083	.1316	.1316	.1224	.1224	.1833	.1149
16	.089	.1397	.1397	.1305	.1305	.1946	.1228
17	.094	.1478	.1478	.1386	.1386	.2059	.1307
18	.100	.1559	.1559	.1467	.1467	.2172	.1386
19	.106	.1640	.1640	.1548	.1548	.2285	.1465
20	.111	.1721	.1721	.1629	.1629	.2398	.1544
21	.117	.1802	.1802	.1710	.1710	.2511	.1623
22	.122	.1883	.1883	.1791	.1791	.2624	.1702
23	.128	.1964	.1964	.1872	.1872	.2737	.1781
24	.133	.2045	.2045	.1953	.1953	.2850	.1860
25	.139	.2126	.2126	.2034	.2034	.2963	.1939
26	.144	.2207	.2207	.2115	.2115	.3076	.2018
27	.150	.2288	.2288	.2196	.2196	.3189	.2097
28	.156	.2369	.2369	.2277	.2277	.3302	.2176
29	.161	.2450	.2450	.2358	.2358	.3415	.2255
30	.167	.2531	.2531	.2439	.2439	.3528	.2334
31	.172	.2612	.2612	.2520	.2520	.3641	.2413
32	.178	.2693	.2693	.2601	.2601	.3754	.2492
33	.183	.2774	.2774	.2682	.2682	.3867	.2571
34	.189	.2855	.2855	.2763	.2763	.3980	.2650
35	.194	.2936	.2936	.2844	.2844	.4093	.2729
36	.200	.3017	.3017	.2925	.2925	.4206	.2808
37	.206	.3098	.3098	.3006	.3006	.4319	.2887
38	.211	.3179	.3179	.3087	.3087	.4432	.2966
39	.217	.3260	.3260	.3168	.3168	.4545	.3045
40	.222	.3341	.3341	.3249	.3249	.4658	.3124
41	.228	.3422	.3422	.3330	.3330	.4771	.3203
42	.233	.3503	.3503	.3411	.3411	.4884	.3282
43	.239	.3584	.3584	.3492	.3492	.5000	.3361
44	.244	.3665	.3665	.3573	.3573	.5113	.3440
45	.250	.3746	.3746	.3654	.3654	.5226	.3519
46	.256	.3827	.3827	.3735	.3735	.5339	.3598
47	.261	.3908	.3908	.3816	.3816	.5452	.3677
48	.267	.3989	.3989	.3897	.3897	.5565	.3756
49	.272	.4070	.4070	.3978	.3978	.5678	.3835
50	.278	.4151	.4151	.4059	.4059	.5791	.3914
51	.283	.4232	.4232	.4140	.4140	.5904	.3993
52	.289	.4313	.4313	.4221	.4221	.6017	.4072
53	.294	.4394	.4394	.4302	.4302	.6130	.4151
54	.300	.4475	.4475	.4383	.4383	.6243	.4230
55	.306	.4556	.4556	.4464	.4464	.6356	.4309
56	.311	.4637	.4637	.4545	.4545	.6469	.4388
57	.317	.4718	.4718	.4626	.4626	.6582	.4467
58	.322	.4799	.4799	.4707	.4707	.6695	.4546
59	.328	.4880	.4880	.4788	.4788	.6808	.4625
60	.333	.4961	.4961	.4869	.4869	.6921	.4704

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC134 10/ 4/58
 HOURS: 1.770-00 1.770-01 1.770-02 1.770-03 1.770-04 1.770-05 1.770-06 1.770-07 1.770-08 1.770-09 1.770-10 1.770-11 1.770-12 1.770-13 1.770-14 1.770-15 1.770-16 1.770-17 1.770-18 1.770-19 1.770-20 1.770-21 1.770-22 1.770-23 1.770-24 1.770-25 1.770-26 1.770-27 1.770-28 1.770-29 1.770-30 1.770-31 1.770-32 1.770-33 1.770-34 1.770-35 1.770-36 1.770-37 1.770-38 1.770-39 1.770-40 1.770-41 1.770-42 1.770-43 1.770-44 1.770-45 1.770-46 1.770-47 1.770-48 1.770-49 1.770-50



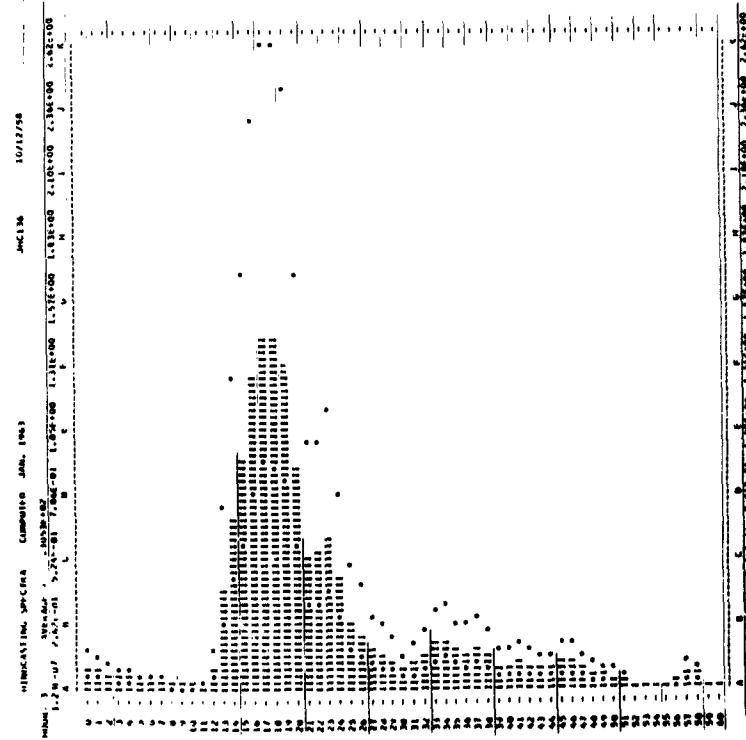
NEWCASTON SPECTRA COMPUTED JAN. 1963

DATE	AV. F.	F.0	RECORD	JAN 1963			
10/12/758	10.3	UPPER	HGT.	11.2			
TOTAL OF 193	CURR. VMA	0.7	LOWER	HGT.			
	NOISE LEVEL	.0033	MIN. SPEED	10			
H	FREQ. UNIT FT. 2	FILTRD	NOISE	L-DM. FT. 2	UPPER	LOWER	
0	.000	.0125	.0125	.0092	.0072	.0149	.0098
1	.000	.0150	.0150	.0125	.0125	.0230	.0080
2	.011	.0168	.0168	.0132	.0132	.0288	.0086
3	.022	.0190	.0190	.0148	.0148	.0302	.0106
4	.022	.0222	.0222	.0189	.0189	.0244	.0121
5	.022	.0149	.0149	.0119	.0119	.0213	.0078
6	.033	.0118	.0118	.0089	.0118	.0267	.0086
7	.034	.0124	.0124	.0091	.0120	.0222	.0077
8	.044	.0103	.0103	.0070	.0063	.0153	.0052
9	.050	.0088	.0088	.0058	.0082	.0116	.0039
10	.058	.0083	.0083	.0058	.0078	.0070	.0024
11	.061	.0143	.0143	.0119	.0119	.0241	.0078
12	.066	.0081	.0081	.0058	.0044	.0117	.0040
13	.072	.0172	.0172	.0138	.0178	.2709	.1005
14	.078	.0201	.0201	.0159	.0150	.3495	.1386
15	.083	.0138	.0138	.0105	.0138	.3498	.1209
16	.084	.0103	.0103	.0078	.0117	.2811	.0662
17	.086	.0243	.0243	.0195	.0270	.0113	.1763
18	.100	.0433	.0433	.0400	.0465	1.0072	.3480
19	.104	.0473	.0473	.0440	.0511	1.0748	.3713
20	.111	.0430	.0430	.0407	.0438	1.1363	.0064
21	.117	.0422	.0422	.0392	.0407	1.2731	.4398
22	.122	.0160	.0128	.0095	.0136	.7657	.2665
23	.123	.0161	.0117	.0070	.0110	.5322	.1842
24	.133	.0170	.0170	.0145	.0203	.9322	.3212
25	.133	.0182	.0182	.0149	.0241	.5273	.1821
26	.144	.0111	.0111	.0078	.0112	.3828	.1357
27	.150	.0263	.0263	.0230	.0271	.2712	.0937
28	.152	.0173	.0173	.0149	.0187	.2322	.0811
29	.141	.0246	.0246	.0219	.0241	.2502	.0870
30	.167	.0440	.0440	.0427	.0484	.1829	.0643
31	.172	.0261	.0261	.0228	.0232	.0981	.0339
32	.174	.0260	.0260	.0207	.0220	.0498	.0181
33	.183	.0304	.0304	.0271	.0276	.1396	.0469
34	.184	.0247	.0247	.0214	.0230	.1182	.0401
35	.194	.0117	.0117	.0084	.0117	.0478	.0163
36	.200	.0080	.0080	.0066	.0102	.0298	.0103
37	.200	.0174	.0174	.0161	.0193	.0487	.0161
38	.211	.0238	.0238	.0205	.0236	.1778	.0658
39	.217	.0191	.0191	.0158	.0223	.1333	.0460
40	.222	.0154	.0154	.0121	.0168	.1122	.0423
41	.228	.0145	.0145	.0119	.0145	.1121	.0415
42	.233	.0141	.0141	.0108	.0162	.1201	.0415
43	.239	.0119	.0119	.0088	.0148	.1077	.0372
44	.244	.0102	.0102	.0082	.0120	.0788	.0298
45	.250	.0070	.0070	.0039	.0329	.0607	.0210
46	.258	.0074	.0074	.0029	.0270	.0488	.0175
47	.261	.0070	.0070	.0038	.0279	.0735	.0254
48	.267	.0070	.0070	.0039	.0595	.1029	.0355
49	.272	.0070	.0070	.0038	.0488	.0898	.0311
50	.284	.0084	.0084	.0068	.0266	.0640	.0216
51	.283	.0040	.0040	.0007	.0117	.0216	.0075
52	.284	.0035	.0035	.0001	.0029	.0054	.0020
53	.288	.0029	.0029	.0000	.0000	.0000	.0000
54	.300	.0024	.0024	.0000	.0000	.0000	.0000
55	.306	.0041	.0041	.0007	.0197	.0048	.0016
56	.311	.0051	.0051	.0048	.0172	.0286	.0237
57	.317	.0034	.0034	.0001	.0037	.0068	.0024
58	.322	.0021	.0021	.0000	.0000	.0000	.0000
59	.328	.0027	.0027	.0000	.0000	.0000	.0000
60	.333	.0028	.0028	.0000	.0000	.0000	.0000



NEWCASTON SPECTRA COMPUTED JAN. 1963

DATE	AV. F.	F.0	RECORD	JAN 1963			
10/12/758	10.3	UPPER	HGT.	11.4			
TOTAL OF 174	CURR. VMA	14.1	LOWER	HGT.			
	NOISE LEVEL	.0040	MIN. SPEED	10			
H	FREQ. UNIT FT. 2	FILTRD	NOISE	L-DM. FT. 2	UPPER	LOWER	
0	.000	.0041	.0041	.0003	.0803	.1440	.0511
1	.000	.0817	.0817	.0777	.0777	.1413	.0495
2	.011	.0688	.0688	.0628	.0628	.1158	.0400
3	.017	.0536	.0536	.0496	.0496	.0914	.0314
4	.022	.0457	.0457	.0400	.0400	.0737	.0254
5	.024	.0293	.0293	.0254	.0254	.0468	.0162
6	.033	.0248	.0248	.0209	.0209	.0407	.0140
7	.034	.0247	.0247	.0208	.0208	.0398	.0135
8	.044	.0210	.0210	.0171	.0203	.0376	.0129
9	.050	.0168	.0168	.0129	.0143	.0283	.0091
10	.058	.0140	.0140	.0100	.0112	.0256	.0112
11	.061	.0151	.0151	.0111	.0115	.0213	.0074
12	.067	.0104	.0104	.0078	.0103	.0159	.0052
13	.072	.0186	.0186	.0146	.0146	.0217	.0079
14	.078	.0088	.0088	.0068	.0081	.0282	.0081
15	.083	.0118	.0118	.0084	.0124	.0487	.0160
16	.084	.0173	.0173	.0134	.0134	.0297	.0108
17	.096	.0248	.0248	.0209	.0221	.2622	.0955
18	.100	.0242	.0242	.0203	.0216	.2307	.0819
19	.104	.0235	.0235	.0195	.0216	.2459	.0815
20	.111	.0204	.0204	.0154	.0154	.0885	.0300
21	.117	.0222	.0222	.0170	.0170	.0900	.0303
22	.122	.0081	.0081	.0021	.0338	.0369	.0127
23	.128	.0335	.0335	.0295	.0309	1.1186	.3857
24	.133	.0249	.0249	.0209	.0227	.0775	.0258
25	.139	.0171	.0171	.0121	.0162	.0465	.0164
26	.144	.0369	.0369	.0329	.0329	.0488	.0162
27	.150	.0034	.0034	.0008	.0196	.0283	.0101
28	.158	.0196	.0196	.0157	.0152	.0234	.0078
29	.161	.0573	.0573	.0534	.0579	.1269	.0427
30	.167	.0385	.0385	.0300	.0300	.1223	.0422
31	.172	.0486	.0486	.0420	.0473	.1831	.0632
32	.178	.0473	.0473	.0433	.0462	.2674	.0895
33	.183	.0478	.0478	.0430	.0462	.1716	.0589
34	.188	.0478	.0478	.0430	.0462	.1878	.0638
35	.194	.0503	.0503	.0463	.0496	.2733	.0943
36	.200	.0437	.0437	.0395	.0408	.2772	.0930
37	.206	.0435	.0435	.0395	.0408	.2772	.0930
38	.211	.0341	.0341	.0302	.0329	.2346	.0801
39	.217	.0244	.0244	.0205	.0205	.1536	.0534
40	.222	.0209	.0209	.0160	.0160	.0907	.0317
41	.228	.0217	.0217	.0177	.0185	.0816	.0277
42	.233	.0195	.0195	.0145	.0145	.0887	.0283
43	.239	.0122	.0122	.0081	.0081	.0287	.0094
44	.244	.0120	.0120	.0086	.0115	.0318	.0095
45	.250	.0148	.0148	.0106	.0116	.0363	.0118
46	.258	.0148	.0148	.0106	.0116	.0363	.0118
47	.261	.0101	.0101	.0077	.0107	.0113	.0048
48	.267	.0088	.0088	.0068	.0079	.0088	.0030
49	.272	.0075	.0075	.0056	.0076	.0082	.0030
50	.278	.0083	.0083	.0065	.0075	.0071	.0029
51	.283	.0087	.0087	.0063	.0075	.0063	.0029
52	.288	.0033	.0033	.0003	.0040	.0302	.0100
53	.294	.0022	.0022	.0000	.0000	.0000	.0000
54	.300	.0022	.0022	.0000	.0000	.0000	.0000
55	.306	.0022	.0022	.0000	.0000	.0000	.0000
56	.311	.0048	.0048	.0048	.0048	.0141	.0129
57	.317	.0058	.0058	.0058	.0058	.0048	.0048
58	.322	.0013	.0013	.0011	.0017	.0016	.0013
59	.328	.0041	.0041	.0001	.0018	.0106	.0037
60	.333	.0024	.0024	.0000	.0000	.0000	.0000

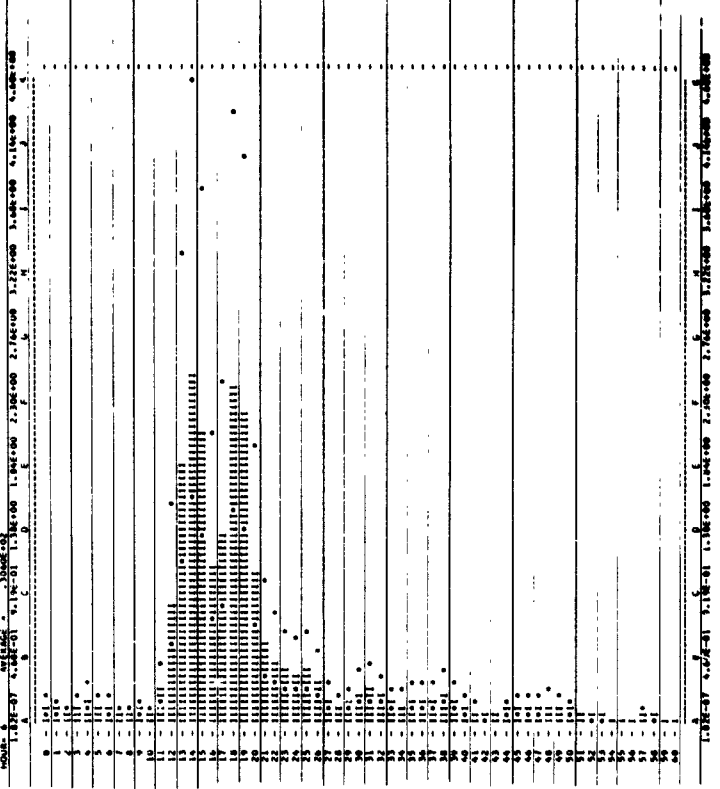


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/17/58 AV. T = 8.4 RECORD = JMC137
 HOUR = 9 SIG. HGT. = 31.7 UPPER HGT. = 40.0
 TOTAL DP = 154 CORR. VAR. = 21.8 LOWER HGT. = 17.0
 NOISE LEVEL = .0079 WIND SPEED = 25

M	Freq. UNIT	F.2	FILTERED	NOISE	CORR. F.2	UPPER	LOWER
0	1.000	2.000	2.000	0.011	2.011	1.010	0.000
1	1.000	2.010	2.010	0.010	2.020	1.010	0.000
2	1.011	2.020	2.020	0.009	2.030	1.010	0.000
3	1.022	2.030	2.030	0.008	2.040	1.010	0.000
4	1.033	2.040	2.040	0.007	2.050	1.010	0.000
5	1.044	2.050	2.050	0.006	2.060	1.010	0.000
6	1.055	2.060	2.060	0.005	2.070	1.010	0.000
7	1.066	2.070	2.070	0.004	2.080	1.010	0.000
8	1.077	2.080	2.080	0.003	2.090	1.010	0.000
9	1.088	2.090	2.090	0.002	2.100	1.010	0.000
10	1.099	2.100	2.100	0.001	2.110	1.010	0.000
11	1.110	2.110	2.110	0.000	2.120	1.010	0.000
12	1.121	2.120	2.120	0.000	2.130	1.010	0.000
13	1.132	2.130	2.130	0.000	2.140	1.010	0.000
14	1.143	2.140	2.140	0.000	2.150	1.010	0.000
15	1.154	2.150	2.150	0.000	2.160	1.010	0.000
16	1.165	2.160	2.160	0.000	2.170	1.010	0.000
17	1.176	2.170	2.170	0.000	2.180	1.010	0.000
18	1.187	2.180	2.180	0.000	2.190	1.010	0.000
19	1.198	2.190	2.190	0.000	2.200	1.010	0.000
20	1.209	2.200	2.200	0.000	2.210	1.010	0.000
21	1.220	2.210	2.210	0.000	2.220	1.010	0.000
22	1.231	2.220	2.220	0.000	2.230	1.010	0.000
23	1.242	2.230	2.230	0.000	2.240	1.010	0.000
24	1.253	2.240	2.240	0.000	2.250	1.010	0.000
25	1.264	2.250	2.250	0.000	2.260	1.010	0.000
26	1.275	2.260	2.260	0.000	2.270	1.010	0.000
27	1.286	2.270	2.270	0.000	2.280	1.010	0.000
28	1.297	2.280	2.280	0.000	2.290	1.010	0.000
29	1.308	2.290	2.290	0.000	2.300	1.010	0.000
30	1.319	2.300	2.300	0.000	2.310	1.010	0.000
31	1.330	2.310	2.310	0.000	2.320	1.010	0.000
32	1.341	2.320	2.320	0.000	2.330	1.010	0.000
33	1.352	2.330	2.330	0.000	2.340	1.010	0.000
34	1.363	2.340	2.340	0.000	2.350	1.010	0.000
35	1.374	2.350	2.350	0.000	2.360	1.010	0.000
36	1.385	2.360	2.360	0.000	2.370	1.010	0.000
37	1.396	2.370	2.370	0.000	2.380	1.010	0.000
38	1.407	2.380	2.380	0.000	2.390	1.010	0.000
39	1.418	2.390	2.390	0.000	2.400	1.010	0.000
40	1.429	2.400	2.400	0.000	2.410	1.010	0.000
41	1.440	2.410	2.410	0.000	2.420	1.010	0.000
42	1.451	2.420	2.420	0.000	2.430	1.010	0.000
43	1.462	2.430	2.430	0.000	2.440	1.010	0.000
44	1.473	2.440	2.440	0.000	2.450	1.010	0.000
45	1.484	2.450	2.450	0.000	2.460	1.010	0.000
46	1.495	2.460	2.460	0.000	2.470	1.010	0.000
47	1.506	2.470	2.470	0.000	2.480	1.010	0.000
48	1.517	2.480	2.480	0.000	2.490	1.010	0.000
49	1.528	2.490	2.490	0.000	2.500	1.010	0.000
50	1.539	2.500	2.500	0.000	2.510	1.010	0.000
51	1.550	2.510	2.510	0.000	2.520	1.010	0.000
52	1.561	2.520	2.520	0.000	2.530	1.010	0.000
53	1.572	2.530	2.530	0.000	2.540	1.010	0.000
54	1.583	2.540	2.540	0.000	2.550	1.010	0.000
55	1.594	2.550	2.550	0.000	2.560	1.010	0.000
56	1.605	2.560	2.560	0.000	2.570	1.010	0.000
57	1.616	2.570	2.570	0.000	2.580	1.010	0.000
58	1.627	2.580	2.580	0.000	2.590	1.010	0.000
59	1.638	2.590	2.590	0.000	2.600	1.010	0.000
60	1.649	2.600	2.600	0.000	2.610	1.010	0.000

HINDCASTING SPECTRA COMPUTED JAN. 1963

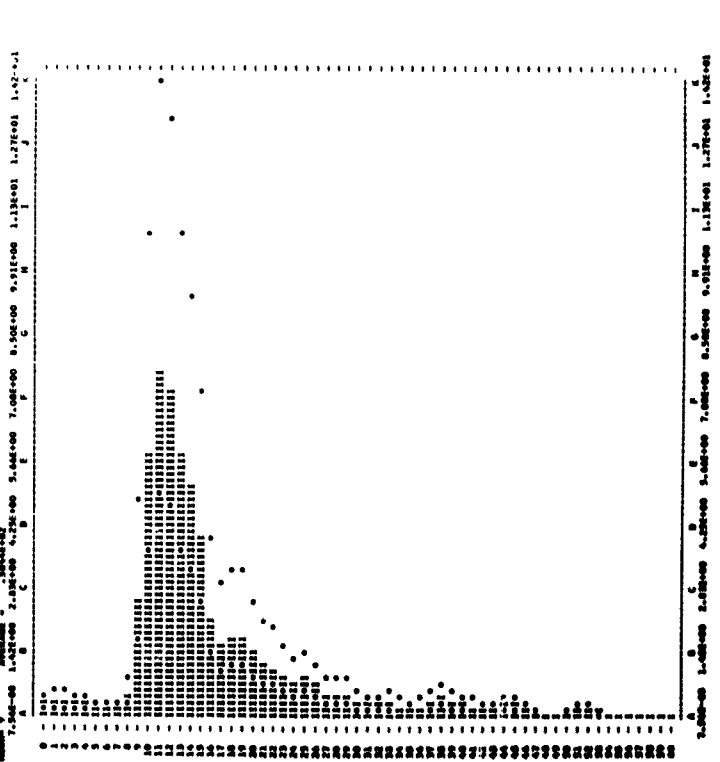


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T = 10.0 RECORD = JMC138
 HOUR = 9 SIG. HGT. = 31.0 UPPER HGT. = 34.1
 TOTAL DP = 144 CORR. VAR. = 60.1 LOWER HGT. = 26.2
 NOISE LEVEL = .0717 WIND SPEED = 0

M	Freq. UNIT	F.2	FILTERED	NOISE	CORR. F.2	UPPER	LOWER
0	1.000	2.000	2.000	0.216	2.016	1.016	0.000
1	1.000	2.017	2.017	0.215	2.033	1.033	0.000
2	1.011	2.033	2.033	0.214	2.049	1.049	0.000
3	1.022	2.049	2.049	0.213	2.065	1.065	0.000
4	1.033	2.065	2.065	0.212	2.081	1.081	0.000
5	1.044	2.081	2.081	0.211	2.097	1.097	0.000
6	1.055	2.097	2.097	0.210	2.113	1.113	0.000
7	1.066	2.113	2.113	0.209	2.129	1.129	0.000
8	1.077	2.129	2.129	0.208	2.145	1.145	0.000
9	1.088	2.145	2.145	0.207	2.161	1.161	0.000
10	1.099	2.161	2.161	0.206	2.177	1.177	0.000
11	1.110	2.177	2.177	0.205	2.193	1.193	0.000
12	1.121	2.193	2.193	0.204	2.209	1.209	0.000
13	1.132	2.209	2.209	0.203	2.225	1.225	0.000
14	1.143	2.225	2.225	0.202	2.241	1.241	0.000
15	1.154	2.241	2.241	0.201	2.257	1.257	0.000
16	1.165	2.257	2.257	0.200	2.273	1.273	0.000
17	1.176	2.273	2.273	0.199	2.289	1.289	0.000
18	1.187	2.289	2.289	0.198	2.305	1.305	0.000
19	1.198	2.305	2.305	0.197	2.321	1.321	0.000
20	1.209	2.321	2.321	0.196	2.337	1.337	0.000
21	1.220	2.337	2.337	0.195	2.353	1.353	0.000
22	1.231	2.353	2.353	0.194	2.369	1.369	0.000
23	1.242	2.369	2.369	0.193	2.385	1.385	0.000
24	1.253	2.385	2.385	0.192	2.401	1.401	0.000
25	1.264	2.401	2.401	0.191	2.417	1.417	0.000
26	1.275	2.417	2.417	0.190	2.433	1.433	0.000
27	1.286	2.433	2.433	0.189	2.449	1.449	0.000
28	1.297	2.449	2.449	0.188	2.465	1.465	0.000
29	1.308	2.465	2.465	0.187	2.481	1.481	0.000
30	1.319	2.481	2.481	0.186	2.497	1.497	0.000
31	1.330	2.497	2.497	0.185	2.513	1.513	0.000
32	1.341	2.513	2.513	0.184	2.529	1.529	0.000
33	1.352	2.529	2.529	0.183	2.545	1.545	0.000
34	1.363	2.545	2.545	0.182	2.561	1.561	0.000
35	1.374	2.561	2.561	0.181	2.577	1.577	0.000
36	1.385	2.577	2.577	0.180	2.593	1.593	0.000
37	1.396	2.593	2.593	0.179	2.609	1.609	0.000
38	1.407	2.609	2.609	0.178	2.625	1.625	0.000
39	1.418	2.625	2.625	0.177	2.641	1.641	0.000
40	1.429	2.641	2.641	0.176	2.657	1.657	0.000
41	1.440	2.657	2.657	0.175	2.673	1.673	0.000
42	1.451	2.673	2.673	0.174	2.689	1.689	0.000
43	1.462	2.689	2.689	0.173	2.705	1.705	0.000
44	1.473	2.705	2.705	0.172	2.721	1.721	0.000
45	1.484	2.721	2.721	0.171	2.737	1.737	0.000
46	1.495	2.737	2.737	0.170	2.753	1.753	0.000
47	1.506	2.753	2.753	0.169	2.769	1.769	0.000
48	1.517	2.769	2.769	0.168	2.785	1.785	0.000
49	1.528	2.785	2.785	0.167	2.801	1.801	0.000
50	1.539	2.801	2.801	0.166	2.817	1.817	0.000
51	1.550	2.817	2.817	0.165	2.833	1.833	0.000
52	1.561	2.833	2.833	0.164	2.849	1.849	0.000
53	1.572	2.849	2.849	0.163	2.865	1.865	0.000
54	1.583	2.865	2.865	0.162	2.881	1.881	0.000
55	1.594	2.881	2.881	0.161	2.897	1.897	0.000
56	1.605	2.897	2.897	0.160	2.913	1.913	0.000
57	1.616	2.913	2.913	0.159	2.929	1.929	0.000
58	1.627	2.929	2.929	0.158	2.945	1.945	0.000
59	1.638	2.945	2.945	0.157	2.961	1.961	0.000
60	1.649	2.961	2.961	0.156	2.977	1.977	0.000

HINDCASTING SPECTRA COMPUTED JAN. 1963

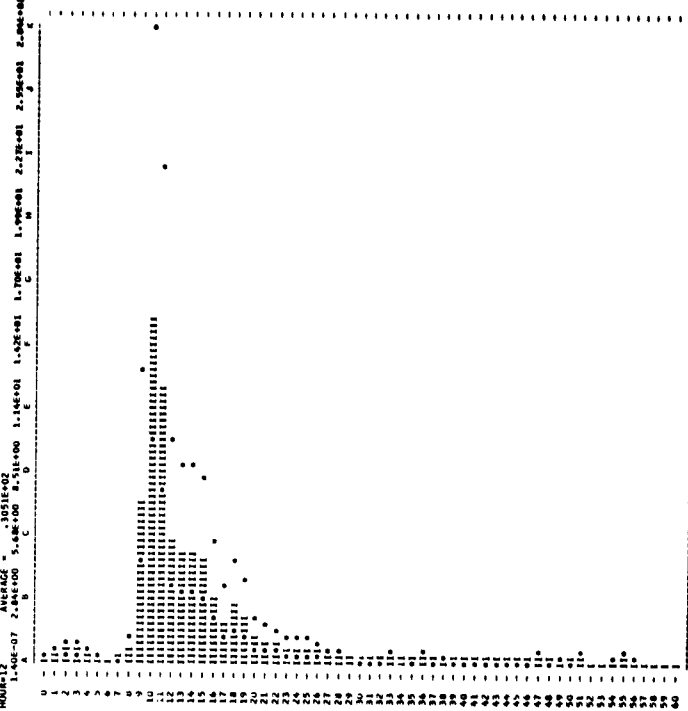


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/58 AV. T = 10.7 RECORD = JMC139
 HOUR = 12 SIG.MGT. = 34.9 UPPER HGT. = 36.1
 TOTAL DF = 104 CORR. VAR. = 76.2 LOWER HGT. = 31.2
 NOISE LEVEL = .0213 WIND SPEED = 45

M	FREQ.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000		.1331	.1231	.1018	.1017	.0648
1	.006		.1209	.1209	.2577	.2577	.4370
2	.011		.5281	.5281	.4968	.4968	.3163
3	.017		.5386	.5386	.5075	.5075	.3231
4	.022		.2709	.2709	.2596	.2596	.1425
5	.028		.1430	.1430	.1126	.1126	.2075
6	.035		.0676	.0676	.0362	.0370	.1091
7	.043		.1900	.1900	.1180	.1177	.2906
8	.054		.6002	.6002	.5485	.5474	.1246
9	.060		6.3497	6.3497	6.3184	7.0128	12.9256
10	.066		16.5161	16.5161	16.4869	15.3976	26.3757
11	.061		11.0756	11.0756	11.0444	12.0810	22.2471
12	.067		5.3894	5.3894	5.3267	5.4615	10.0666
13	.072		4.4815	4.4815	4.4552	4.7711	8.7930
14	.078		4.4953	4.4953	4.4240	4.7838	8.8210
15	.085		4.3021	4.3021	4.2708	4.4903	8.2763
16	.089		2.7836	2.7836	2.7324	2.9054	5.3550
17	.094		1.4951	1.4951	1.4645	1.8359	3.3839
18	.100		2.1669	2.1669	2.1356	2.4312	4.4810
19	.106		1.6790	1.6790	1.6486	1.9459	3.5866
20	.111		.8816	.8816	.8504	1.0442	1.9247
21	.117		.7861	.7861	.7549	.9675	1.7833
22	.122		.4338	.4338	.4025	.5008	1.4500
23	.128		.4535	.4535	.4222	.5555	1.0777
24	.133		.4210	.4210	.3897	.3796	1.0483
25	.139		.4058	.4058	.3746	.3872	1.0860
26	.144		.2930	.2930	.2618	.4368	.6050
27	.150		.1735	.1735	.1422	.2523	.4450
28	.156		.1616	.1616	.1304	.2463	.4466
29	.161		.1441	.1441	.1128	.2282	.4206
30	.167		.1116	.1116	.0802	.1790	.3208
31	.172		.0948	.0948	.0636	.1484	.2345
32	.178		.0984	.0984	.0671	.1690	.3114
33	.183		.1183	.1183	.0850	.2311	.4259
34	.189		.1091	.1091	.0778	.2295	.4210
35	.194		.0935	.0935	.0622	.1995	.3673
36	.200		.1103	.1103	.0791	.2760	.5087
37	.206		.0835	.0835	.0523	.1891	.3470
38	.211		.0525	.0525	.0213	.0887	.1635
39	.217		.0692	.0692	.0279	.1737	.3201
40	.222		.0746	.0746	.0308	.2058	.3792
41	.228		.0699	.0699	.0377	.2094	.3863
42	.233		.0613	.0613	.0295	.1816	.3346
43	.239		.0547	.0547	.0236	.1598	.2966
44	.244		.0564	.0564	.0230	.1743	.3213
45	.250		.0537	.0537	.0224	.1935	.3567
46	.256		.0526	.0526	.0233	.2203	.4061
47	.261		.0589	.0589	.0224	.2373	.4473
48	.267		.0461	.0461	.0145	.1717	.3164
49	.272		.0358	.0358	.0099	.1274	.2367
50	.278		.0475	.0475	.0137	.2042	.3800
51	.283		.0490	.0490	.0136	.2326	.4286
52	.289		.0341	.0341	.0037	.0718	.1324
53	.294		.0226	.0226	.0000	.0000	.0000
54	.300		.0361	.0361	.0035	.0867	.1598
55	.306		.0364	.0364	.0081	.1134	.2023
56	.311		.0333	.0333	.0034	.1114	.2053
57	.317		.0279	.0279	.0000	.0000	.0000
58	.322		.0226	.0226	.0000	.0000	.0000
59	.328		.0206	.0206	.0000	.0000	.0000
60	.333		.0233	.0233	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR=12
 AVERAGE = .0351E+02
 1.0E-07 2.0E-06 5.0E-05 0.1E+00 0.5E+00 1.0E+00 2.0E+00 5.0E+00 1.0E+01 2.0E+01 5.0E+01 1.0E+02

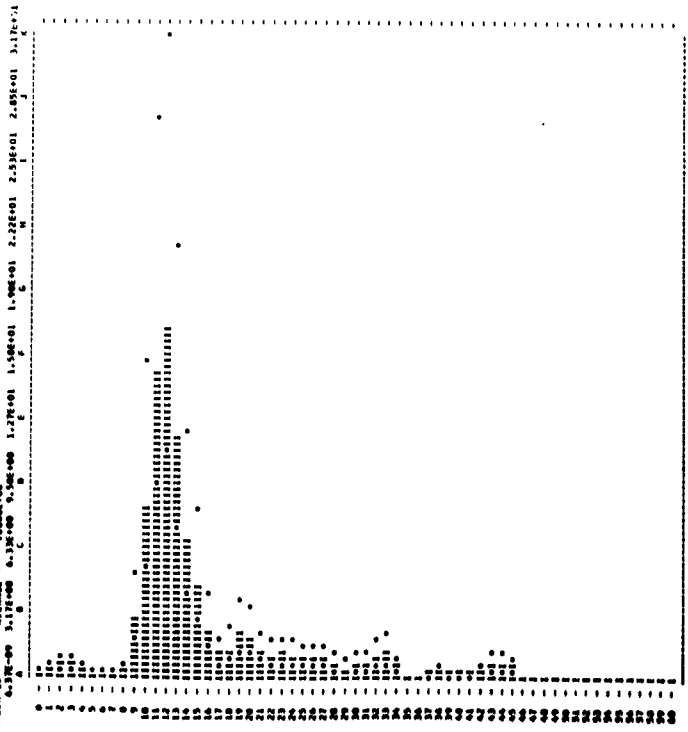


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/12/58 AV. T = 10.4 RECORD = JMC140
 HOUR = 15 SIG.MGT. = 38.5 UPPER HGT. = 43.1
 TOTAL DF = 104 CORR. VAR. = 92.7 LOWER HGT. = 36.4
 NOISE LEVEL = .0807 WIND SPEED = 50

M	FREQ.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000		.2088	.2088	.1281	.1281	.2342
1	.006		.3966	.3966	.3139	.3139	.5786
2	.011		.6448	.6448	.5891	.5891	.8859
3	.017		.6433	.6433	.5626	.5626	1.0370
4	.022		.3596	.3596	.2789	.2789	.5141
5	.028		.1736	.1736	.0929	.0929	.1713
6	.033		.1381	.1381	.0574	.0505	.1688
7	.039		.1736	.1736	.0929	.1234	.2276
8	.044		.3024	.3024	.2217	.2840	.4867
9	.050		2.6148	2.6148	2.5341	2.8126	5.1041
10	.056		7.9216	7.9216	7.8409	8.2394	15.2625
11	.061		14.5483	14.5483	14.4676	15.0112	27.8879
12	.067		16.8342	16.8342	16.7535	17.1941	31.8728
13	.072		11.3825	11.3825	11.3018	11.5957	21.3726
14	.078		6.3740	6.3740	6.2933	6.5138	12.0055
15	.083		4.2973	4.2973	4.2166	4.4334	8.1716
16	.089		2.1884	2.1884	2.1077	2.2422	4.1308
17	.094		1.0888	1.0888	1.0081	1.1126	2.0903
18	.100		1.3031	1.3031	1.2224	1.3578	2.6086
19	.106		1.0939	1.0939	1.0132	1.1405	1.9453
20	.111		1.0790	1.0790	1.0000	1.0978	1.6086
21	.117		1.0790	1.0790	.9993	1.1766	1.3490
22	.122		.8273	.8273	.7466	1.0023	1.0474
23	.128		.8790	.8790	.7983	1.1134	1.0521
24	.133		.8121	.8121	.7314	1.0877	1.0908
25	.139		.6251	.6251	.5444	.8545	.9786
26	.144		.5666	.5666	.4859	.8107	.9493
27	.150		.5836	.5836	.5029	.8970	1.0441
28	.156		.4480	.4480	.3673	.6949	1.2809
29	.161		.3958	.3958	.3251	.4554	.8396
30	.167		.3800	.3800	.2793	.5063	1.1178
31	.172		.3955	.3955	.3148	.7342	1.3533
32	.178		.4450	.4450	.3843	.9673	1.7829
33	.183		.4963	.4963	.4156	1.1897	2.0823
34	.189		.2490	.2490	.1683	.4962	.9146
35	.194		.0681	.0681	.0000	.0000	.0000
36	.200		.0862	.0862	.0035	.0193	.0336
37	.206		.1300	.1300	.0493	.1879	.3444
38	.211		.1481	.1481	.0676	.2813	.5185
39	.217		.1339	.1339	.0532	.2441	.4497
40	.222		.1129	.1129	.0344	.1739	.3197
41	.228		.1000	.1000	.0294	.1036	.2813
42	.233		.1362	.1362	.0523	.2118	.3931
43	.239		.1789	.1789	.0993	.4089	1.1224
44	.244		.1750	.1750	.0976	.4085	1.1040
45	.250		.1381	.1381	.0575	.2818	.8995
46	.256		.0714	.0714	.0019	.0176	.0324
47	.261		.0466	.0466	.0000	.0000	.0000
48	.267		.0479	.0479	.0000	.0000	.0000
49	.272		.0615	.0615	.0000	.0000	.0000
50	.278		.0596	.0596	.0017	.0187	.0288
51	.283		.0799	.0799	.0000	.0000	.0000
52	.289		.0386	.0386	.0000	.0000	.0000
53	.294		.0290	.0290	.0000	.0000	.0000
54	.300		.0367	.0367	.0000	.0000	.0000
55	.306		.1467	.1467	.0405	.0405	.0795
56	.311		.1167	.1167	.0375	.0375	.0692
57	.317		.0827	.0827	.0153	.0153	.0282
58	.322		.0817	.0817	.0000	.0000	.0000
59	.328		.0563	.0563	.0000	.0000	.0000
60	.333		.0421	.0421	.0000	.0000	.0000

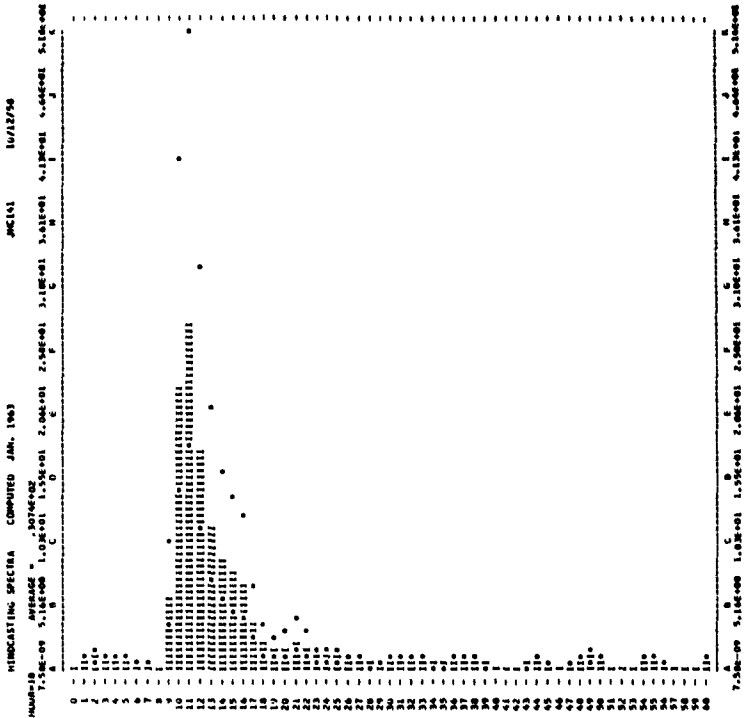
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=15
 AVERAGE = .0807E+00
 1.0E-07 2.0E-06 5.0E-05 0.1E+00 0.5E+00 1.0E+00 2.0E+00 5.0E+00 1.0E+01 2.0E+01 5.0E+01 1.0E+02



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/56 Av. T = 10.2 RECORD = JMC141
 HOUR = 10 SIG.MGT. = 47.0 UPPER HGT. = 52.0
 TOTAL DF = 06 CORR. V.M. = 130.3 LOWER HGT. = 41.0
 NOISE LEVEL = .0050 WIND SPEED = 50

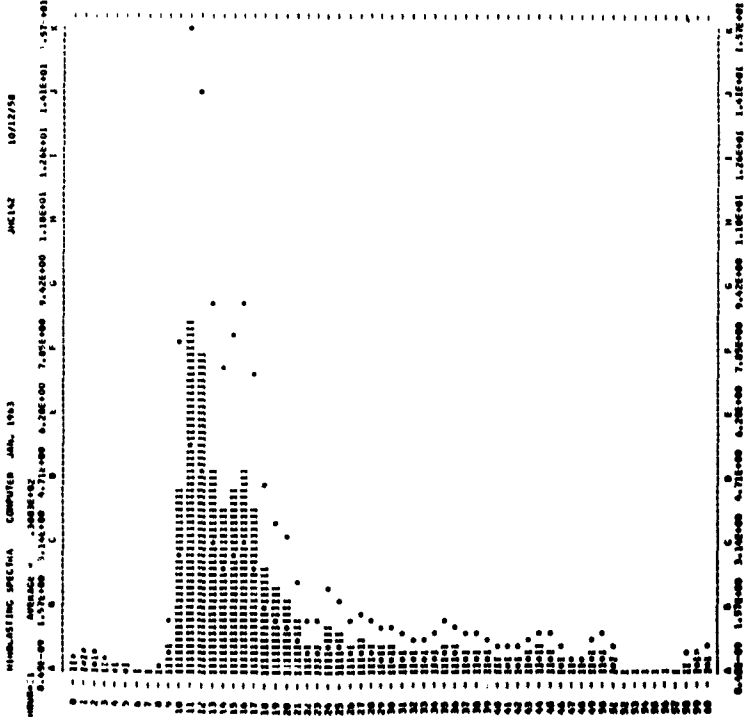
H	PAS. UNIT	PT.2	FILTERED	NOISE	CORR. PT.2	UPPER	LOWER
0	.000	.2246	.2246	.1303	.1303	.2567	.0007
1	.006	.9352	.9352	.4497	.4497	.9288	.2863
2	.011	.9609	.9609	.8216	.8216	.9139	.5230
3	.017	.7700	.7700	.6942	.6942	.8703	.4229
4	.022	.8453	.8453	.4998	.4998	.8474	.2927
5	.028	.9305	.9305	.4536	.4536	.8349	.2164
6	.033	.8208	.8208	.1324	.1324	.9177	.1254
7	.039	.8699	.8699	.1064	.1064	.9414	.1323
8	.044	.8632	.8632	.0000	.0000	.9000	.0000
9	.050	5.1224	5.1224	5.0000	5.0000	18.3039	3.2594
10	.054	21.2729	21.2729	21.1069	21.1069	41.9108	14.3405
11	.061	27.0071	27.0071	26.9011	26.9011	51.5938	17.6245
12	.067	17.2509	17.2509	17.2000	17.2167	31.4568	11.0000
13	.072	11.3437	11.3437	11.2901	11.2901	11.5908	21.8099
14	.078	6.2920	6.2920	6.2572	6.2572	5.5964	15.7711
15	.083	7.2207	7.2207	7.1951	7.1951	11.4270	4.7677
16	.089	6.2204	6.2204	6.4428	6.0500	12.4267	4.2641
17	.094	3.4386	3.4386	3.3530	3.4990	6.8192	2.2938
18	.100	1.7967	1.7967	1.8211	1.8459	4.8116	1.1751
19	.106	1.2500	1.2500	1.1724	1.3041	2.9111	.0813
20	.111	1.5570	1.5570	1.2719	1.3613	3.7778	.9942
21	.117	1.7756	1.7756	1.4952	1.6643	3.9829	1.3794
22	.122	1.2676	1.2676	1.1830	1.5867	2.9246	1.0103
23	.128	.6900	.6900	.6053	.8534	1.7934	.5434
24	.133	.7141	.7141	.4205	.7946	1.7227	.5991
25	.139	.6359	.6359	.5503	.6057	1.5957	.5913
26	.144	.4775	.4775	.4919	.6539	1.2052	.4163
27	.150	.3819	.3819	.3963	.4255	.9686	.3364
28	.156	.2486	.2486	.1631	.3055	.5685	.1964
29	.161	.2927	.2927	.1241	.2351	.4782	.1424
30	.167	.2796	.2796	.1461	.4122	.7763	.2682
31	.172	.2685	.2685	.1030	.4268	.7866	.2717
32	.178	.2608	.2608	.0999	.4999	.9196	.3177
33	.183	.2851	.2851	.1999	.5423	.9909	.3453
34	.189	.2127	.2127	.1271	.3747	.6907	.2386
35	.194	.1952	.1952	.1104	.4605	.5618	.2245
36	.200	.2091	.2091	.1235	.4310	.7944	.2744
37	.206	.2021	.2021	.1165	.4439	.9182	.2827
38	.211	.1809	.1809	.1000	.4605	.8466	.2932
39	.217	.1603	.1603	.0768	.3427	.6317	.2182
40	.222	.0970	.1027	.0371	.0862	.1589	.0549
41	.228	.0963	.0703	.0000	.0000	.0000	.0000
42	.233	.0716	.0869	.0013	.0083	.0152	.0053
43	.239	.1481	.1331	.0476	.3263	.3977	.2045
44	.244	.2445	.1451	.0595	.4513	.4321	.2874
45	.250	.1030	.1121	.0269	.2240	.4129	.1426
46	.256	.0777	.0904	.0048	.0634	.0837	.0289
47	.261	.1031	.1090	.0235	.2485	.4560	.1862
48	.267	.1523	.1437	.0562	.4909	.1.2734	.4394
49	.272	.1673	.1524	.0669	.4939	1.4675	.5692
50	.278	.2199	.1999	.0334	.5182	1.6451	.7299
51	.283	.0645	.0781	.0000	.0000	.0000	.0000
52	.289	.0542	.0676	.0000	.0000	.0000	.0000
53	.294	.0504	.0405	.0000	.0000	.0000	.0000
54	.300	.1130	.1066	.0210	.5274	.4729	.3358
55	.306	.1090	.1072	.0216	.6189	1.1407	.3941
56	.311	.0849	.0800	.0000	.4542	.4480	.1618
57	.317	.0849	.0718	.0000	.0000	.0000	.0000
58	.322	.0817	.0637	.0000	.0000	.0000	.0000
59	.328	.0823	.0600	.0000	.0000	.0000	.0000
60	.333	.1117	.0972	.0116	.6734	1.2411	.4288



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/56 Av. T = 8.2 RECORD = JMC142
 HOUR = 21 SIG.MGT. = 33.1 UPPER HGT. = 36.2
 TOTAL DF = 172 CORR. V.M. = 68.6 LOWER HGT. = 30.4
 NOISE LEVEL = .0030 WIND SPEED = 35

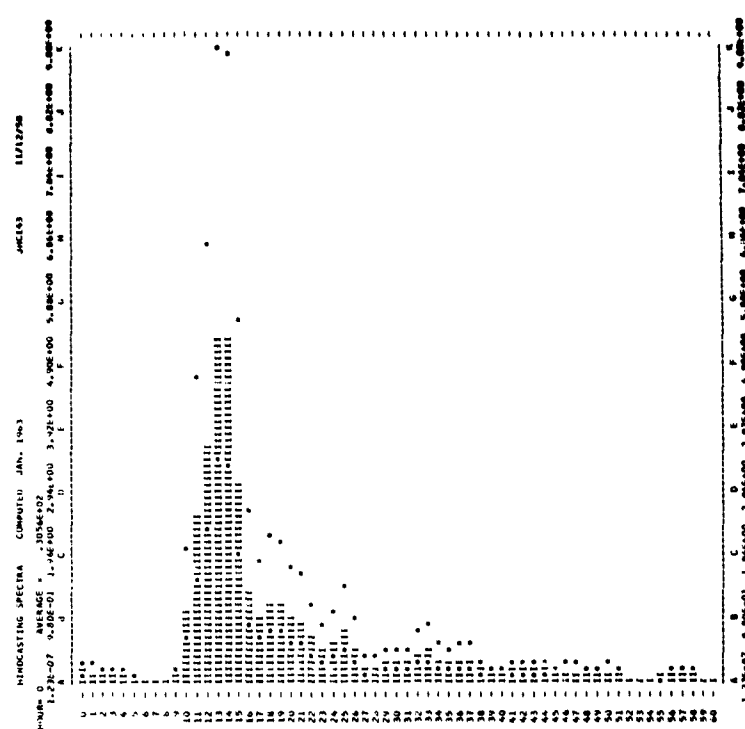
H	PAS. UNIT	PT.2	FILTERED	NOISE	CORR. PT.2	UPPER	LOWER
0	.000	.7598	.2598	.2068	.2068	.3012	.1317
1	.006	.9217	.3217	.2686	.2686	.4991	.1711
2	.011	.7860	.2760	.2449	.2449	.4974	.1540
3	.017	.1877	.1877	.1347	.1347	.2483	.0856
4	.022	.1761	.1761	.1231	.1231	.2268	.0784
5	.028	.1454	.1454	.1042	.1042	.1703	.0588
6	.033	.0704	.0704	.0373	.0373	.0504	.0174
7	.039	.0677	.0677	.0000	.0000	.0000	.0000
8	.044	.0918	.0918	.0387	.044	.2140	.0294
9	.050	.6645	.6645	.4135	.4009	1.2551	.4336
10	.054	6.1219	6.1219	6.0889	6.2522	7.9720	2.7540
11	.061	8.2019	8.2019	8.1164	8.2222	11.7082	4.4264
12	.067	7.5389	7.5389	7.4959	7.4783	10.1522	4.0891
13	.072	4.8009	4.8009	4.7475	4.7710	6.4779	3.1015
14	.078	3.2217	3.2217	3.1898	3.0951	7.1680	2.5902
15	.083	4.2841	4.2841	4.2111	4.2276	6.1007	2.8192
16	.089	6.6165	6.6165	6.5815	6.5962	8.9397	3.0883
17	.094	3.2866	3.2866	3.3116	3.3966	7.1819	2.4811
18	.100	2.2134	2.2134	2.1803	2.4593	6.5329	1.5659
19	.106	1.7356	1.7356	1.8226	1.7961	5.6606	1.2646
20	.111	1.4922	1.4922	1.3982	1.7673	3.2576	1.1253
21	.117	1.0090	1.0090	.9540	1.2253	2.2583	.7802
22	.122	.5672	.5672	.4942	.6034	1.2227	.6224
23	.128	.5374	.5374	.4993	.7453	1.2985	.6686
24	.133	.7928	.7928	.7398	1.1901	2.0276	.7005
25	.139	.5579	.5579	.5049	.6515	1.7538	.6059
26	.144	.6611	.6611	.6081	.8082	1.2549	.6355
27	.150	.4747	.4747	.4217	.7479	1.3786	.6742
28	.156	.6180	.6180	.5650	.6820	1.2754	.6406
29	.161	.3365	.3365	.3015	.5694	1.0695	.5626
30	.167	.3247	.3247	.2717	.4897	1.0864	.3755
31	.172	.2787	.2787	.2256	.4262	.9689	.3391
32	.178	.2271	.2271	.1760	.4380	.8073	.2789
33	.183	.2150	.2150	.1619	.4401	.8112	.2803
34	.189	.2262	.2262	.1732	.5105	.9699	.3290
35	.194	.2687	.2687	.2074	.6664	1.2234	.4233
36	.200	.2355	.2355	.1823	.6308	1.1734	.4054
37	.206	.1871	.1871	.1341	.5108	.9616	.3253
38	.211	.1685	.1685	.1129	.4492	.8049	.2788
39	.217	.1532	.1532	.1062	.4591	.8462	.2923
40	.222	.1395	.1395	.0977	.4164	.6938	.2397
41	.228	.1800	.1800	.1304	.5129	.8778	.3190
42	.233	.1000	.1099	.0509	.3501	.6493	.2229
43	.239	.1253	.1216	.0604	.4665	.8999	.2971
44	.244	.1312	.1256	.0600	.5903	1.0142	.3506
45	.250	.1167	.1132	.0682	.5085	.9373	.3230
46	.256	.0803	.0800	.0378	.3566	.6572	.2270
47	.261	.0600	.0600	.0000	.2993	.5699	.1833
48	.267	.0632	.0709	.0179	.2800	.5635	.1935
49	.272	.0699	.0632	.0301	.4625	.7624	.2945
50	.278	.0600	.0600	.0000	.3247	.6700	.3354
51	.283	.0799	.0767	.0177	.3013	.5957	.1922
52	.289	.0641	.0511	.0000	.2000	.4000	.0000
53	.294	.0600	.0600	.0000	.0000	.0000	.0000
54	.300	.0530	.0466	.0000	.0000	.0000	.0000
55	.306	.0370	.0415	.0000	.0000	.0000	.0000
56	.311	.0661	.0661	.0000	.0000	.0000	.0000
57	.317	.0509	.0509	.0000	.0700	.6659	.0225
58	.322	.0501	.0501	.0001	.2103	.4061	.1290
59	.328	.0573	.0573	.0000	.1460	.4091	.1710
60	.333	.0609	.0601	.0001	.2517	.6482	.2239



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T = 6.7 RECORD = JMC143
 HOUR = 0 SIG. HGT. = 26.3 UPPER HGT. = 26.3
 TOTAL SP = 141 CORR. VAL. = 37.0 CORR. HGT. = 22.1
 NOISE LEVEL = .0040 WIND SPEED = 30

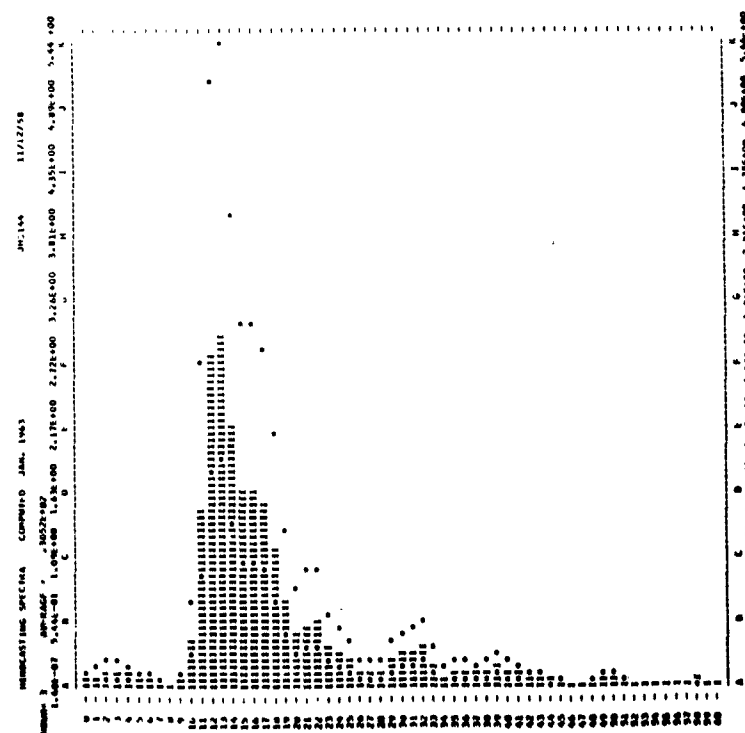
H	FRL	UNIT=FT.2	FILTRFD	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1819	.1819	.1849	.1849	.2648	.0986
1	.006	.1800	.1800	.1821	.1821	.2653	.0847
2	.011	.1446	.1446	.1177	.1177	.2149	.0749
3	.017	.1183	.1183	.1284	.1284	.2311	.0799
4	.022	.1115	.1115	.1248	.1248	.1744	.0802
5	.028	.0842	.0842	.0793	.0793	.0540	.0187
6	.033	.0597	.0597	.0688	.0688	.0289	.0088
7	.039	.0388	.0388	.0219	.0219	.0291	.0101
8	.044	.0482	.0482	.0213	.0213	.0447	.0141
9	.050	.1222	.1222	.0993	.1057	.1940	.0679
10	.056	1.0879	1.0879	1.0689	1.1048	2.0399	.7946
11	.061	2.4686	2.4686	2.4417	2.8332	4.6491	1.6130
12	.067	3.6822	3.6822	3.5793	3.6672	6.7591	2.3350
13	.072	5.0773	5.0773	5.1864	5.3150	9.7864	3.1843
14	.078	5.0957	5.0957	5.0888	5.2442	9.6495	3.3604
15	.083	2.4199	2.4199	2.8929	3.0416	3.6062	1.9367
16	.089	1.3600	1.3600	1.3330	1.4174	2.6123	.9025
17	.094	.9359	.9359	.9090	1.0029	1.8486	.6386
18	.100	1.1090	1.1090	1.0828	1.2327	2.2721	.7849
19	.106	1.0139	1.0139	.9870	1.0821	1.2941	.7419
20	.111	.8143	.8143	.7874	.9649	1.7821	.6157
21	.117	.7174	.7174	.6906	.8852	1.6315	.5636
22	.122	.5107	.5107	.4835	.6481	1.4511	.4131
23	.128	.3730	.3730	.3461	.4881	.8997	.3108
24	.133	.4374	.4374	.4107	.5108	1.1257	.3889
25	.139	.2274	.2274	.2005	.2823	1.4511	.5013
26	.144	.3302	.3302	.3032	.3059	.9325	.3221
27	.150	.1642	.1642	.1374	.2115	.2889	.1347
28	.156	1.504	1.504	1.234	.2335	1.504	.1477
29	.161	.1544	.1544	.1276	.2942	.4759	.1444
30	.167	.1442	.1442	.1174	.2637	.4851	.1676
31	.172	.1420	.1420	.1151	.2884	.4947	.1709
32	.178	.1919	.1919	.1850	.4152	.7653	.2444
33	.183	.2083	.2083	.1814	.4930	.9068	.3139
34	.189	1.344	1.344	1.075	.3149	.5840	.2018
35	.194	.1088	.1088	.0819	.2623	.4834	.1670
36	.200	.1178	.1178	.0949	.3173	.5849	.2021
37	.206	1.054	1.054	.786	.2906	.5521	.1907
38	.211	.0889	.0889	.0620	.1751	.3227	.1115
39	.217	.0854	.0854	.0645	.1884	1.1594	.0519
40	.222	.0540	.0540	.0270	.1265	.2331	.0805
41	.228	.0548	.0548	.0270	.1504	.2771	.0857
42	.233	.0524	.0524	.0252	.1418	.2978	.1029
43	.239	.0533	.0533	.0247	.1682	.3100	.1071
44	.244	.0474	.0474	.0203	.1561	.2841	.0981
45	.250	.0410	.0410	.0162	.1308	.2407	.0832
46	.256	.0402	.0402	.0141	.1334	.2459	.0850
47	.261	.0478	.0478	.0399	.1371	.2527	.0873
48	.267	.0351	.0351	.0281	.1947	.1782	.0815
49	.272	.0299	.0299	.0261	.0820	.1511	.0522
50	.278	.0386	.0386	.0359	.1354	.2495	.0862
51	.283	.0465	.0465	.0444	.1269	.2339	.0808
52	.289	.0259	.0259	.0200	.0900	.0900	.0500
53	.295	.0175	.0175	.0100	.0900	.0900	.0500
54	.300	.0201	.0201	.0100	.0900	.0900	.0500
55	.306	.0321	.0321	.0292	.0900	.0900	.0500
56	.311	.0324	.0324	.0309	.1295	.2388	.0827
57	.317	.0286	.0286	.0263	.0900	.0900	.0500
58	.322	.0313	.0313	.0290	.0883	.1247	.0542
59	.328	.0286	.0286	.0255	.0900	.0900	.0500
60	.333	.0175	.0175	.0100	.0900	.0900	.0500



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T = 9.5 RECORD = JMC144
 HOUR = 3 SIG. HGT. = 18.8 UPPER HGT. = 20.7
 TOTAL SP = 142 CORR. VAL. = 22.2 CORR. HGT. = 17.1
 NOISE LEVEL = .0141 WIND SPEED = 0

H	FRL	UNIT=FT.2	FILTRFD	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0860	.0860	.0919	.0919	.0956	.0330
1	.006	.0810	.0810	.0749	.0749	.1418	.0400
2	.011	.1291	.1291	.1150	.1150	.2319	.0732
3	.017	.1283	.1283	.1142	.1142	.2104	.0727
4	.022	.1037	.1037	.0894	.0894	.1451	.0571
5	.028	.0817	.0817	.0676	.0676	.1246	.0430
6	.033	.0574	.0574	.0433	.0433	.1257	.0434
7	.039	.0316	.0316	.0173	.0210	.0463	.0146
8	.044	.0256	.0256	.0115	.0137	.0253	.0087
9	.050	.0848	.0848	.0708	.0708	.1038	.0359
10	.056	.3849	.3849	.3708	.3942	.7246	.2510
11	.061	1.4424	1.4424	1.4284	1.4819	2.7314	.9436
12	.067	2.7200	2.7200	2.7059	2.7755	5.1156	1.7672
13	.072	2.8891	2.8891	2.8750	2.9446	5.3449	1.8792
14	.078	2.0947	2.0947	2.0806	2.1555	3.9729	1.3725
15	.083	1.5858	1.5858	1.5717	1.6225	3.0457	1.0522
16	.089	1.3564	1.3564	1.3423	1.4000	3.0227	1.0442
17	.094	1.4188	1.4188	1.4027	1.5077	2.8527	.9855
18	.100	1.0141	1.0141	1.0000	1.1304	.9992	.7244
19	.106	.0683	.0683	.0422	.4991	.2885	.4451
20	.111	.3771	.3771	.3630	.4457	.8216	.2838
21	.117	.4170	.4170	.4029	.5145	.9519	.3248
22	.122	.4050	.4050	.3909	.5247	.8672	.3341
23	.128	.2470	.2470	.2279	.3215	.5926	.2047
24	.133	.1944	.1944	.1804	.2449	.4956	.1712
25	.139	.1417	.1417	.1276	.2007	.3700	.1278
26	.144	.0849	.0849	.0708	.1181	.2176	.0722
27	.150	.0793	.0793	.0652	.1157	.2133	.0737
28	.156	.0786	.0786	.0643	.1216	.2184	.0776
29	.161	.1120	.1120	.0979	.1960	.3450	.1281
30	.167	.1281	.1281	.1140	.2474	.4581	.1576
31	.172	.1333	.1333	.1192	.2780	.5124	.1770
32	.178	.1344	.1344	.1203	.3027	.5579	.1927
33	.183	.0769	.0769	.0628	.1708	.3148	.1088
34	.189	.0811	.0811	.0670	.1768	.3168	.1087
35	.194	.0490	.0490	.0349	.1118	.2041	.0712
36	.200	.0446	.0446	.0305	.1066	.1965	.0676
37	.206	.0388	.0388	.0247	.0973	.1803	.0624
38	.211	.0610	.0610	.0469	.1121	.2046	.0714
39	.217	.0451	.0451	.0310	.1019	.2033	.0803
40	.222	.0394	.0394	.0253	.0926	.1870	.0770
41	.228	.0274	.0274	.0133	.0849	.1564	.0540
42	.233	.0227	.0227	.0087	.0399	.1097	.0379
43	.239	.0213	.0213	.0074	.3503	.0936	.0331
44	.244	.0186	.0186	.0048	.0364	.0470	.0232
45	.250	.0180	.0180	.0027	.0228	.0420	.0149
46	.256	.0156	.0156	.0018	.0146	.0264	.0095
47	.261	.0133	.0133	.0003	.0049	.0053	.0018
48	.267	.0142	.0142	.0013	.0176	.0325	.0112
49	.272	.0103	.0103	.0042	.0364	.1039	.0389
50	.278	.0109	.0109	.0036	.0937	.0969	.0342
51	.283	.0142	.0142	.0011	.0193	.0335	.0123
52	.289	.0146	.0146	.0003	.0093	.0256	.0086
53	.294	.0142	.0142	.0001	.0012	.0022	.0008
54	.300	.0136	.0136	.0000	.0000	.0000	.0000
55	.306	.0137	.0137	.0000	.0000	.0000	.0000
56	.311	.0136	.0136	.0000	.0000	.0000	.0000
57	.317	.0141	.0141	.0000	.0003	.0004	.0002
58	.322	.0140	.0140	.0000	.0337	.0620	.0216
59	.328	.0146	.0146	.0000	.0003	.0003	.0003
60	.333	.0131	.0131	.0000	.0000	.0000	.0000

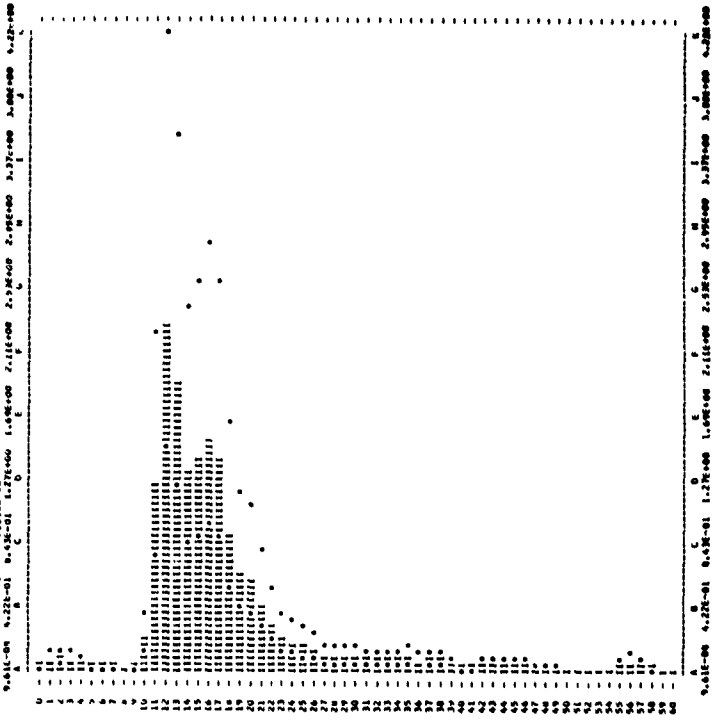


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T = 0.5 RECORD = JMC145
 HUN = 15 SIG. MET. = 10.0 UPPER MET. = 10.0
 CORR. VAD. = 10.0 LOWER MET. = 10.0
 TOTAL DF = 130 NOISE LEVEL = .0001 WIND SPEED = 60

H	FREQ.	UNIT=FT.2	FILTERED	NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.0004	.0204	.0204	.0204	.0007	.0204
1	.000	.0041	.0041	.0000	.0000	.0000	.0041
2	.011	.0000	.0000	.0777	.0777	.1033	.0496
3	.017	.0000	.0000	.0000	.0000	.0000	.0000
4	.022	.0436	.0436	.0375	.0375	.0601	.0239
5	.028	.0000	.0360	.0299	.0299	.0391	.0190
6	.033	.0000	.0000	.0000	.0000	.0000	.0000
7	.039	.0232	.0232	.0171	.0171	.0227	.0145
8	.044	.0121	.0121	.0000	.0000	.0000	.0000
9	.050	.0000	.0000	.0000	.0000	.0000	.0000
10	.056	.2095	.2095	.2035	.2035	.2143	.1986
11	.061	1.1725	1.1725	1.1664	1.1664	1.2102	1.1200
12	.067	2.1064	2.1064	2.0900	2.0900	2.2079	1.9500
13	.072	1.0400	1.0400	1.0400	1.0400	1.0400	1.0400
14	.078	1.2672	1.2672	1.2672	1.2672	1.2672	1.2672
15	.083	1.3204	1.3204	1.3204	1.3204	1.3204	1.3204
16	.089	1.4430	1.4430	1.4370	1.4370	1.4370	1.4370
17	.094	1.2622	1.2622	1.2622	1.2622	1.2622	1.2622
18	.100	.7030	.7030	.7030	.7030	.7030	.7030
19	.106	.5327	.5327	.5327	.5327	.5327	.5327
20	.111	.4830	.4830	.4830	.4830	.4830	.4830
21	.117	.3460	.3460	.3460	.3460	.3460	.3460
22	.122	.2295	.2295	.2295	.2295	.2295	.2295
23	.128	.1572	.1572	.1572	.1572	.1572	.1572
24	.133	.1242	.1242	.1181	.1181	.1181	.1181
25	.139	.1062	.1062	.1001	.1001	.1001	.1001
26	.144	.0839	.0839	.0839	.0839	.0839	.0839
27	.150	.0554	.0554	.0554	.0554	.0554	.0554
28	.156	.0300	.0300	.0300	.0300	.0300	.0300
29	.161	.0150	.0150	.0150	.0150	.0150	.0150
30	.167	.0034	.0034	.0034	.0034	.0034	.0034
31	.172	.0034	.0034	.0034	.0034	.0034	.0034
32	.178	.0117	.0117	.0117	.0117	.0117	.0117
33	.183	.0203	.0203	.0203	.0203	.0203	.0203
34	.189	.0320	.0320	.0320	.0320	.0320	.0320
35	.194	.0411	.0411	.0411	.0411	.0411	.0411
36	.200	.0227	.0227	.0166	.0166	.0166	.0166
37	.206	.0228	.0228	.0168	.0168	.0168	.0168
38	.211	.0252	.0252	.0180	.0180	.0180	.0180
39	.217	.0165	.0165	.0105	.0105	.0105	.0105
40	.222	.0102	.0102	.0058	.0058	.0058	.0058
41	.228	.0187	.0187	.0070	.0070	.0070	.0070
42	.233	.0124	.0122	.0061	.0061	.0061	.0061
43	.239	.0131	.0131	.0071	.0071	.0071	.0071
44	.244	.0136	.0136	.0073	.0073	.0073	.0073
45	.250	.0124	.0121	.0061	.0061	.0061	.0061
46	.256	.0096	.0099	.0038	.0038	.0038	.0038
47	.261	.0000	.0000	.0000	.0000	.0000	.0000
48	.267	.0000	.0000	.0000	.0000	.0000	.0000
49	.272	.0074	.0070	.0000	.0000	.0000	.0000
50	.278	.0000	.0000	.0000	.0000	.0000	.0000
51	.283	.0000	.0000	.0000	.0000	.0000	.0000
52	.289	.0000	.0000	.0000	.0000	.0000	.0000
53	.294	.0000	.0000	.0000	.0000	.0000	.0000
54	.300	.0000	.0000	.0000	.0000	.0000	.0000
55	.306	.0000	.0000	.0000	.0000	.0000	.0000
56	.311	.0074	.0072	.0014	.0014	.0014	.0014
57	.317	.0075	.0074	.0014	.0014	.0014	.0014
58	.322	.0000	.0000	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000	.0000
60	.333	.0055	.0057	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963

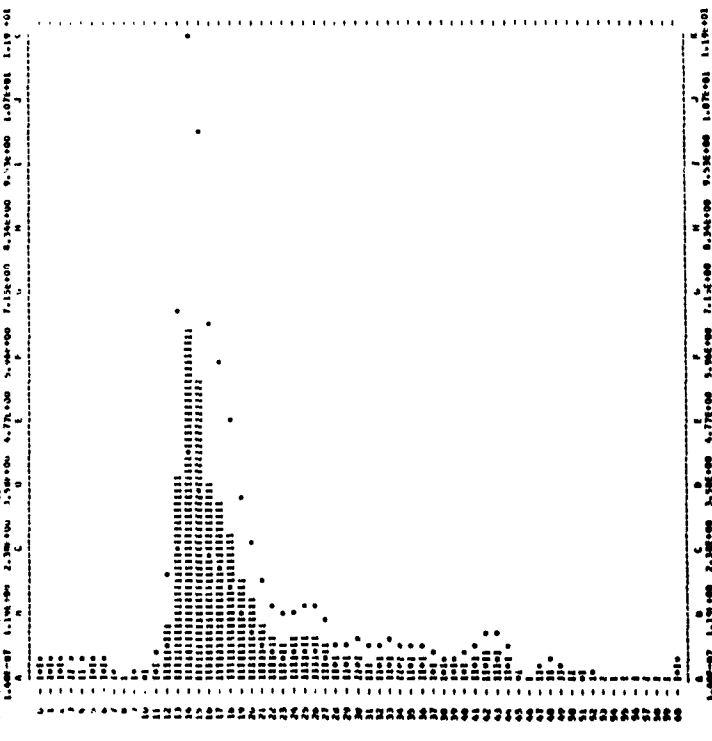


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58 AV. T = 0.4 RECORD = JMC144
 HUN = 15 SIG. MET. = 20.0 UPPER MET. = 20.0
 CORR. VAD. = 10.0 LOWER MET. = 20.0
 TOTAL DF = 140 NOISE LEVEL = .0260 WIND SPEED = 30

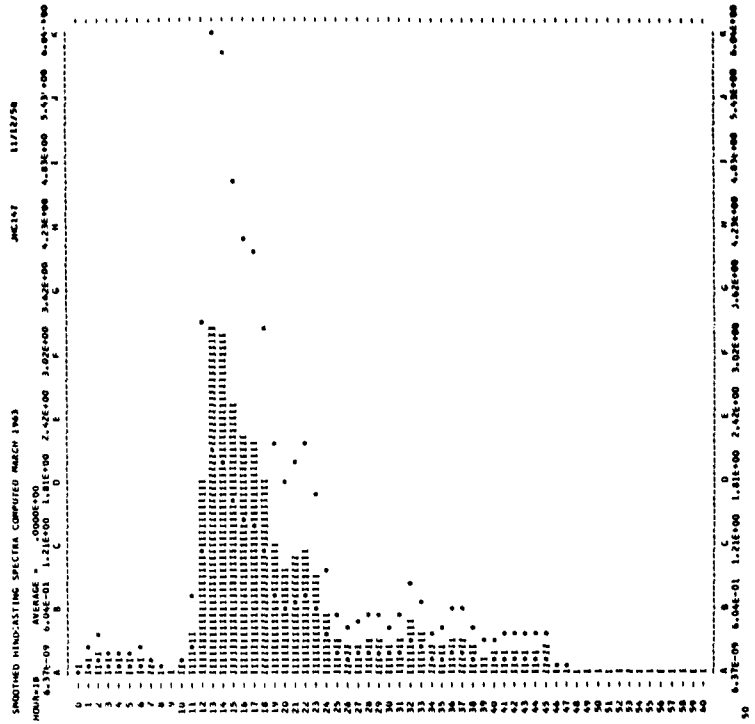
H	FREQ.	UNIT=FT.2	FILTERED	NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.2100	.2100	.1886	.1886	.5677	.1201
1	.006	.2170	.2170	.1990	.1990	.3404	.1204
2	.011	.2295	.2295	.2015	.2015	.3713	.1203
3	.017	.2040	.2040	.1760	.1760	.3260	.1126
4	.022	.1920	.1920	.1640	.1640	.3032	.1064
5	.028	.2267	.2267	.1987	.1987	.3662	.1265
6	.033	.1652	.1652	.1372	.1372	.2562	.1076
7	.039	.0000	.0000	.0000	.0000	.0000	.0000
8	.044	.0430	.0430	.0157	.0157	.0100	.0366
9	.050	.0000	.0000	.0000	.0000	.0000	.0000
10	.056	.0000	.0000	.0000	.0000	.0000	.0000
11	.061	.2004	.2004	.1804	.1804	.2883	.1095
12	.067	1.0121	1.0121	.9801	.9801	1.0094	.8670
13	.072	3.3668	3.3668	3.3608	3.3608	3.7024	2.9374
14	.078	6.2749	6.2749	6.2669	6.2669	6.4658	5.1160
15	.083	5.2701	5.2701	5.2601	5.2601	5.5200	4.5161
16	.089	3.3724	3.3724	3.3604	3.3604	3.5961	2.8663
17	.094	2.4014	2.4014	2.3774	2.3774	2.5705	2.0188
18	.100	2.2070	2.2070	2.1990	2.1990	2.2717	1.6375
19	.106	1.7000	1.7000	1.6950	1.6950	1.7367	1.1696
20	.111	1.1900	1.1900	1.1829	1.1829	1.2189	.8700
21	.117	.7047	.7047	.7047	.7047	.7000	.6013
22	.122	.5662	.5662	.5662	.5662	.5679	.4612
23	.128	.4924	.4924	.4924	.4924	.4911	.4082
24	.133	.4223	.4223	.4223	.4223	.4207	.3207
25	.139	.3608	.3608	.3608	.3608	.3612	.2810
26	.144	.3016	.3016	.3016	.3016	.3001	.2399
27	.150	.2428	.2428	.2428	.2428	.2421	.1954
28	.156	.1874	.1874	.1874	.1874	.1868	.1490
29	.161	.1364	.1364	.1364	.1364	.1366	.1124
30	.167	.0880	.0880	.0880	.0880	.0874	.0768
31	.172	.0420	.0420	.0420	.0420	.0421	.0361
32	.178	.0117	.0117	.0117	.0117	.0114	.0103
33	.183	.0000	.0000	.0000	.0000	.0000	.0000
34	.189	.0000	.0000	.0000	.0000	.0000	.0000
35	.194	.0000	.0000	.0000	.0000	.0000	.0000
36	.200	.0250	.0250	.0250	.0250	.0230	.0155
37	.206	.0000	.0000	.0000	.0000	.0000	.0000
38	.211	.0722	.0722	.0642	.0642	.0607	.0574
39	.217	.0752	.0752	.0672	.0672	.0636	.0599
40	.222	.0712	.0712	.0632	.0632	.0596	.0559
41	.228	.0000	.0000	.0000	.0000	.0000	.0000
42	.233	.0075	.0075	.0075	.0075	.0075	.0075
43	.239	.0000	.0000	.0000	.0000	.0000	.0000
44	.244	.0000	.0000	.0000	.0000	.0000	.0000
45	.250	.0000	.0000	.0000	.0000	.0000	.0000
46	.256	.0000	.0000	.0000	.0000	.0000	.0000
47	.261	.0000	.0000	.0000	.0000	.0000	.0000
48	.267	.0000	.0000	.0000	.0000	.0000	.0000
49	.272	.0000	.0000	.0000	.0000	.0000	.0000
50	.278	.0000	.0000	.0000	.0000	.0000	.0000
51	.283	.0000	.0000	.0000	.0000	.0000	.0000
52	.289	.0000	.0000	.0000	.0000	.0000	.0000
53	.294	.0000	.0000	.0000	.0000	.0000	.0000
54	.300	.0000	.0000	.0000	.0000	.0000	.0000
55	.306	.0000	.0000	.0000	.0000	.0000	.0000
56	.311	.0000	.0000	.0000	.0000	.0000	.0000
57	.317	.0000	.0000	.0000	.0000	.0000	.0000
58	.322	.0000	.0000	.0000	.0000	.0000	.0000
59	.328	.0000	.0000	.0000	.0000	.0000	.0000
60	.333	.0000	.0000	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963



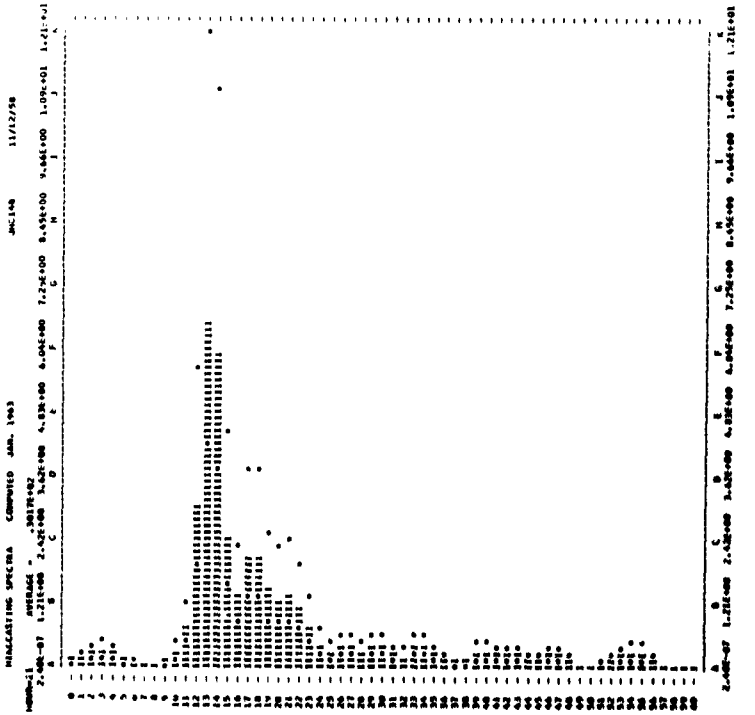
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/58	AV. T. = 8.6	RECORD = JMC167				
HOUR = 18	SIG.MGT. = 21.7	UPPER HGT. = 29.7				
TOTAL DF = 171	CONV. VAR. = 26.5	LOWER HGT. = 16.9				
	NOISE LEVEL = .0283	WIND SPEED = 30				
M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0498	.0498	.0419	.0765	.0264
1	.008	.1834	.1834	.1551	.2192	.0860
2	.011	.2220	.2220	.1937	.2570	.1233
3	.017	.1903	.1903	.1620	.2120	.0913
4	.022	.1213	.1213	.0930	.0930	.0592
5	.028	.1371	.1371	.1088	.1088	.0693
6	.033	.1052	.1052	.0769	.1211	.0771
7	.039	.0700	.0700	.0417	.0394	.0332
8	.044	.0480	.0480	.0197	.0234	.0432
9	.050	.0428	.0428	.0165	.0181	.0102
10	.056	.0782	.0782	.0509	.0541	.0344
11	.061	.4035	.4035	.3752	.3893	.3479
12	.067	1.7767	1.7767	1.7664	1.7913	1.6406
13	.072	3.2213	3.2213	3.1930	3.2740	3.0382
14	.078	3.0950	3.0950	3.0467	3.1740	3.0502
15	.083	2.4228	2.4228	2.3965	2.5176	2.4402
16	.089	2.1330	2.1330	2.1047	2.2394	2.1248
17	.094	1.9871	1.9871	1.9588	2.1413	2.0836
18	.100	1.5960	1.5960	1.5677	1.7047	1.6284
19	.106	1.0304	1.0304	1.0021	1.1030	1.1004
20	.111	.8161	.8161	.7878	.9674	1.0631
21	.117	.8836	.8836	.8553	1.0706	1.0733
22	.124	.8848	.8848	.8564	1.1833	1.1862
23	.129	.8851	.8851	.8568	.9244	1.0755
24	.133	.3917	.3917	.3634	.5404	.9960
25	.139	.2758	.2758	.2475	.3107	.7720
26	.144	.1626	.1626	.1343	.2140	.4120
27	.150	.1732	.1732	.1449	.2570	.4636
28	.156	.1739	.1739	.1454	.2792	.5144
29	.161	.1716	.1716	.1433	.2899	.5363
30	.167	.1382	.1382	.1099	.2385	.4396
31	.172	.1492	.1492	.1209	.2219	.5194
32	.178	.2085	.2085	.1802	.4535	.8359
33	.183	.1621	.1621	.1338	.3637	.6703
34	.189	.1002	.1002	.0719	.2119	.3906
35	.194	.1016	.1016	.0733	.2347	.5253
36	.200	.1193	.1193	.0910	.3175	.5853
37	.206	.1127	.1127	.0844	.3214	.5824
38	.211	.0804	.0804	.0521	.2173	.4005
39	.217	.0805	.0805	.0522	.1475	.2719
40	.222	.0498	.0498	.0328	.1852	.3894
41	.228	.0642	.0642	.0342	.1900	.502
42	.233	.0617	.0617	.0328	.2019	.3720
43	.239	.0348	.0348	.0284	.1938	.3572
44	.244	.0514	.0514	.0246	.1867	.3441
45	.250	.0520	.0520	.0252	.2127	.3920
46	.256	.0585	.0585	.0293	.0293	.0358
47	.261	.0613	.0613	.0274	.0274	.0505
48	.267	.0417	.0417	.0130	.0130	.0240
49	.272	.0272	.0272	.0000	.0000	.0000
50	.278	.0256	.0256	.0000	.0000	.0000
51	.283	.0329	.0329	.0019	.0019	.0035
52	.289	.0408	.0408	.0021	.0021	.0043
53	.294	.0297	.0297	.0035	.0035	.0063
54	.300	.0384	.0384	.0079	.0079	.0145
55	.306	.0383	.0383	.0080	.0080	.0148
56	.311	.0303	.0303	.0032	.0032	.0060
57	.317	.0273	.0273	.0000	.0000	.0000
58	.322	.0228	.0228	.0000	.0000	.0000
59	.328	.0180	.0180	.0000	.0000	.0000
60	.333	.0175	.0175	.0000	.0000	.0000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/58	AV. T. = 8.6	RECORD = JMC158				
HOUR = 21	SIG.MGT. = 24.8	UPPER HGT. = 27.2				
TOTAL DF = 126	CONV. VAR. = 37.7	LOWER HGT. = 16.2				
	NOISE LEVEL = .031	WIND SPEED = 1				
M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0979	.0979	.0668	.1232	.0426
1	.008	.1367	.1367	.1036	.1909	.0660
2	.011	.2344	.2344	.2033	.3746	.1295
3	.017	.1929	.1929	.1618	.2618	.1047
4	.022	.2144	.2144	.1833	.3379	.1167
5	.028	.1072	.1072	.0761	.1761	.0404
6	.033	.0783	.0783	.0572	.0842	.0789
7	.039	.0470	.0470	.0159	.0211	.0388
8	.044	.0378	.0378	.0087	.0080	.0167
9	.050	.0794	.0794	.0483	.0758	.0396
10	.056	.4921	.4921	.4610	.4774	.5114
11	.061	.4642	.4642	.4331	.4880	.4781
12	.067	3.0110	3.0110	2.8789	3.0565	2.8336
13	.074	6.4378	6.4378	6.1867	6.5528	6.2077
14	.078	5.7969	5.7969	5.5458	5.8656	5.6962
15	.083	5.3239	5.3239	5.0823	5.4107	5.3463
16	.089	1.2299	1.2299	1.1988	1.2747	1.3492
17	.094	1.4619	1.4619	1.4308	1.4702	1.5263
18	.100	1.5375	1.5375	1.5064	1.5513	1.6074
19	.106	1.2221	1.2221	1.1910	1.4080	1.5013
20	.111	1.0377	1.0377	1.0066	1.2381	1.2784
21	.117	1.0500	1.0500	1.0189	1.3071	1.4002
22	.122	.8320	.8320	.8009	1.0751	1.0816
23	.128	.5426	.5426	.5115	.7213	.7328
24	.133	.2759	.2759	.2448	.3641	.4710
25	.139	.1952	.1952	.1641	.2581	.4758
26	.144	.2351	.2351	.2040	.3404	.6275
27	.150	.4121	.4121	.3810	.3211	.5918
28	.156	.1862	.1862	.1551	.2935	.5407
29	.161	.1915	.1915	.1604	.3265	.5981
30	.167	.1736	.1736	.1425	.3096	.5702
31	.172	.1374	.1374	.1065	.1972	.3634
32	.178	.0962	.0962	.0651	.1440	.3027
33	.183	.1511	.1511	.1200	.2182	.4013
34	.189	.1483	.1483	.1176	.3461	.6379
35	.194	.0889	.0889	.0578	.1892	.3413
36	.200	.0682	.0682	.0371	.1194	.2024
37	.206	.0919	.0919	.0208	.0793	.1462
38	.211	.0617	.0617	.0186	.0691	.1274
39	.217	.0826	.0826	.0796	.2337	.4389
40	.222	.0860	.0860	.0473	.2383	.4392
41	.228	.0988	.0988	.0673	.2013	.3711
42	.233	.0854	.0854	.0484	.2126	.3819
43	.239	.0774	.0774	.0433	.2270	.4184
44	.244	.0687	.0687	.0390	.1681	.2729
45	.250	.0565	.0565	.0319	.1481	.2121
46	.256	.0511	.0511	.0272	.1998	.3682
47	.261	.0542	.0542	.0390	.2063	.3802
48	.267	.0319	.0319	.0197	.1171	.1812
49	.272	.0294	.0294	.0165	.0972	.1433
50	.278	.0296	.0296	.0165	.0972	.1433
51	.283	.0316	.0316	.0175	.0947	.1402
52	.289	.0417	.0417	.0280	.1540	.2934
53	.294	.0392	.0392	.0267	.1513	.3329
54	.300	.0391	.0391	.0267	.1513	.3329
55	.306	.0391	.0391	.0267	.1513	.3329
56	.311	.0391	.0391	.0267	.1513	.3329
57	.317	.0391	.0391	.0267	.1513	.3329
58	.322	.0391	.0391	.0267	.1513	.3329
59	.328	.0391	.0391	.0267	.1513	.3329
60	.333	.0391	.0391	.0267	.1513	.3329



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

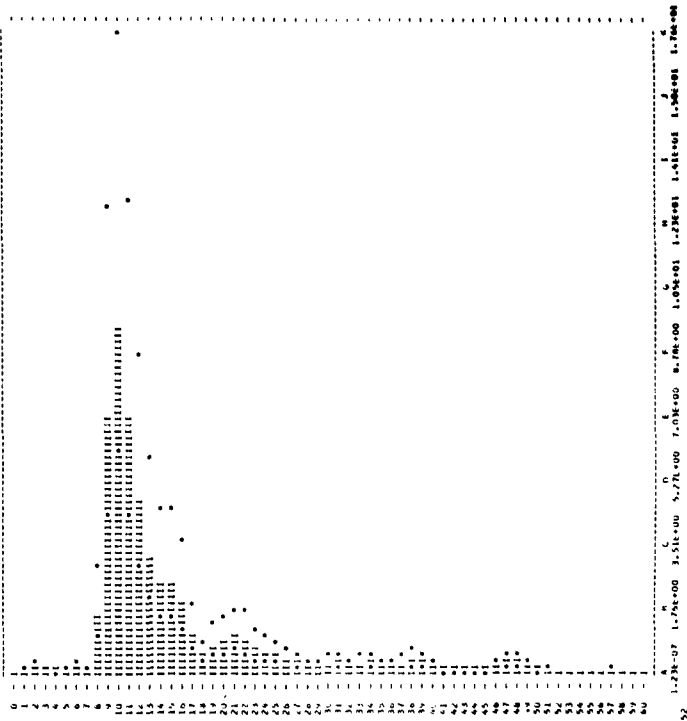
DATE = 12/12/50 AV. T = 10.3 RECORD = JMC151
 HOUR = 6 SIG.MGT. = 29.2 UPPER HGT. = 32.5
 TOTAL OF #114 CORR. VAR. = 33.1 LOWER HGT. = 1.74-101
 NOISE LEVEL = .0167 WIND SPEED = 25

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000		.0385	.0210	.0218	.0402	.0130
1	.006		.0918	.0458	.0751	.1384	.0478
2	.011		.1725	.1725	.1558	.2872	.0824
3	.017		.1974	.1974	.1407	.2593	.0896
4	.022		.1446	.1446	.1282	.2383	.0888
5	.028		.0977	.0977	.0810	.1893	.0516
6	.034		.1111	.1111	.0944	.1487	.0741
7	.039		.0345	.0345	.0378	.0502	.0292
8	.044		1.3611	1.3611	1.3444	1.8009	2.9207
9	.050		6.2714	6.2714	6.2547	6.9421	12.7093
10	.056		8.9813	8.9813	8.9646	9.5294	17.5840
11	.061		6.7764	6.7764	6.7597	7.0132	12.9243
12	.067		4.6161	4.6161	4.5994	4.7176	8.6932
13	.072		3.1307	3.1307	3.1140	3.1950	5.8888
14	.078		2.4012	2.4012	2.3845	2.4680	4.5488
15	.083		2.3449	2.3449	2.3282	2.4676	4.5118
16	.089		1.9081	1.9081	1.8914	2.0111	3.7068
17	.094		.9876	.9876	.9709	1.0713	1.9345
18	.100		.4743	.4743	.4576	.5209	.9402
19	.106		.6591	.6591	.6424	.7300	1.3455
20	.111		.7158	.7158	.6991	.8585	1.5823
21	.117		.7755	.7755	.7588	.9724	1.7926
22	.122		.7009	.7009	.6842	.9185	1.6929
23	.128		.4877	.4877	.4710	.6318	1.1229
24	.133		.3743	.3743	.3576	.5318	.9802
25	.139		.3254	.3254	.3087	.4856	.8951
26	.144		.2467	.2467	.2300	.4171	.7254
27	.150		.1453	.1453	.1286	.3168	.5838
28	.156		.1177	.1177	.1010	.1911	.3522
29	.161		.1091	.1091	.0884	.1788	.3206
30	.167		.1340	.1340	.1173	.2544	.4492
31	.172		.1380	.1380	.1202	.2803	.5167
32	.178		.1020	.1020	.0853	.2147	.3957
33	.183		.1113	.1113	.0946	.2571	.4739
34	.189		.1067	.1067	.0900	.2453	.4490
35	.194		.0832	.0832	.0665	.2129	.3924
36	.200		.0782	.0782	.0615	.2146	.3950
37	.206		.0851	.0851	.0684	.2405	.4402
38	.211		.0972	.0972	.0805	.3398	.6184
39	.217		.0755	.0755	.0588	.2495	.4960
40	.222		.0412	.0412	.0245	.1587	.2924
41	.228		.0348	.0348	.0206	.1148	.2117
42	.233		.0386	.0386	.0204	.1258	.2310
43	.239		.0366	.0366	.0196	.1338	.2467
44	.244		.0335	.0335	.0156	.1183	.2181
45	.250		.0254	.0254	.0117	.0993	.1830
46	.256		.0291	.0291	.0142	.1155	.2129
47	.261		.0480	.0480	.0244	.2106	.3949
48	.267		.0463	.0463	.0245	.3145	.5796
49	.272		.0321	.0321	.0173	.2316	.4249
50	.278		.0256	.0256	.0100	.1394	.2495
51	.283		.0194	.0194	.0031	.0529	.0975
52	.289		.0148	.0148	.0000	.0000	.0000
53	.294		.0113	.0113	.0000	.0000	.0000
54	.300		.0076	.0076	.0000	.0000	.0000
55	.306		.0114	.0114	.0000	.0000	.0000
56	.311		.0167	.0167	.0000	.0000	.0000
57	.317		.0178	.0178	.0016	.0663	.1111
58	.322		.0213	.0209	.0042	.0072	.0077
59	.328		.0231	.0214	.0037	.0057	.0105
60	.333		.0221	.0226	.0059	.0059	.0100

12/12/50

JMC151

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 NUMBER OF FREQUENCIES = 60
 1.27E+07 1.78E+00 3.51E+00 5.27E+00 7.03E+00 8.78E+00 1.05E+01 1.23E+01 1.41E+01 1.58E+01 1.74E+01



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

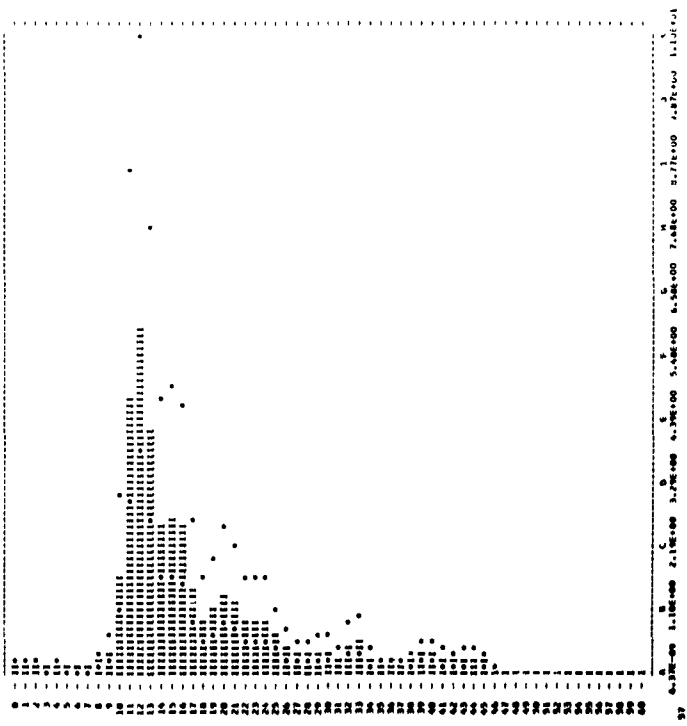
DATE = 12/12/50 AV. T = 9.4 RECORD = JMC152
 HOUR = 9 SIG.MGT. = 25.4 UPPER HGT. = 27.9
 TOTAL OF #147 CORR. VAR. = 40.2 LOWER HGT. = 23.1
 NOISE LEVEL = .0403 WIND SPEED = 35

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000		.1673	.1673	.1270	.1270	.2341
1	.006		.1654	.1654	.1256	.1256	.2315
2	.011		.1361	.1361	.0958	.0958	.1766
3	.017		.1154	.1154	.0751	.0751	.1385
4	.022		.1353	.1353	.0950	.0950	.1751
5	.028		.1033	.1033	.0630	.0630	.1162
6	.034		.0803	.0803	.0400	.0400	.0831
7	.039		.0827	.0827	.0424	.0563	.1038
8	.044		.1402	.1402	.1499	.1785	.3291
9	.050		.1920	.1920	.2117	.2460	.4377
10	.056		1.4046	1.4046	1.5663	1.6450	3.0488
11	.061		4.5546	4.5546	4.5143	4.8838	8.6326
12	.067		8.8622	8.8622	8.8019	9.9510	19.9486
13	.072		4.1138	4.1138	4.0735	4.1794	7.7033
14	.078		2.9291	2.9291	2.8888	2.5759	4.7478
15	.083		2.8790	2.8790	2.8387	2.4650	4.9120
16	.089		2.3643	2.3643	2.3240	2.4711	4.3547
17	.094		1.3452	1.3452	1.3049	1.4399	2.6939
18	.100		.8503	.8503	.8100	.9221	1.6996
19	.106		.9562	.9562	.9159	1.0812	1.9920
20	.111		1.1477	1.1477	1.1074	1.2599	2.5085
21	.117		.9816	.9816	.9413	1.2005	2.2237
22	.122		.7017	.7017	.6614	.8879	1.6365
23	.128		.6752	.6752	.6349	.8956	1.6506
24	.133		.6313	.6313	.5910	.8789	1.6200
25	.139		.4374	.4374	.4371	.6247	1.1514
26	.144		.2771	.2771	.2368	.3951	.7283
27	.150		.2102	.2102	.1699	.3014	.5595
28	.156		.2032	.2032	.1629	.3082	.5681
29	.161		.2281	.2281	.1878	.3799	.7003
30	.167		.1914	.1914	.1511	.3280	.6045
31	.172		.1530	.1530	.1127	.2629	.4424
32	.178		.2211	.2211	.1808	.4951	.8388
33	.183		.2337	.2337	.1934	.5257	.8690
34	.189		.1261	.1261	.0858	.2530	.4463
35	.194		.0886	.0886	.0283	.0907	.1671
36	.200		.0725	.0725	.0222	.1125	.1973
37	.206		.0731	.0731	.0328	.1250	.2304
38	.211		.0886	.0886	.0483	.2016	.3715
39	.217		.1024	.1024	.0643	.2856	.5264
40	.222		.1008	.1008	.0582	.2932	.5405
41	.228		.0900	.0857	.0454	.2525	.4654
42	.233		.0821	.0704	.0303	.1867	.3441
43	.239		.0883	.0710	.0307	.2095	.3862
44	.244		.0851	.0752	.0350	.2652	.4489
45	.250		.0821	.0629	.0222	.1878	.3462
46	.256		.0405	.0449	.0047	.0441	.0815
47	.261		.0367	.0370	.0000	.0000	.0000
48	.267		.0340	.0317	.0000	.0000	.0000
49	.272		.0301	.0304	.0000	.0000	.0000
50	.278		.0282	.0289	.0000	.0000	.0000
51	.283		.0332	.0330	.0000	.0000	.0000
52	.289		.0455	.0436	.0033	.0033	.0061
53	.294		.0502	.0469	.0067	.0067	.0123
54	.300		.0416	.0473	.0020	.0020	.0077
55	.306		.0352	.0374	.0000	.0000	.0000
56	.311		.0173	.0402	.0000	.0000	.0000
57	.317		.0111	.0484	.0000	.0000	.0000
58	.322		.0173	.0482	.0079	.0079	.0146
59	.328		.0331	.0348	.0000	.0000	.0000
60	.333		.0186	.0288	.0000	.0000	.0000

12/12/50

JMC152

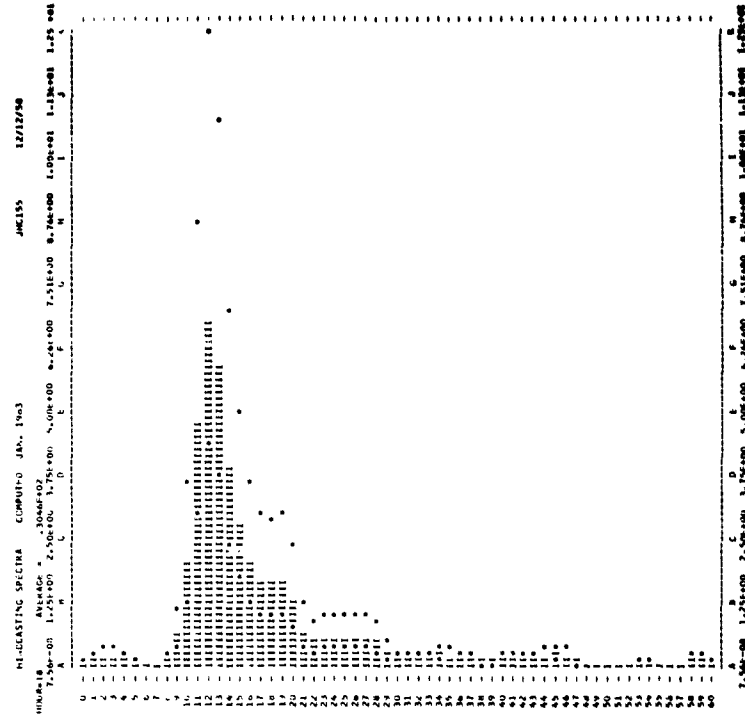
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 NUMBER OF FREQUENCIES = 61
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HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/12/58 AV. T = 9.7 RECORD = JHC155
 HOUR = 18 SIG. HGT. = 26.3 UPPER HGT. = 29.1
 TOTAL DF = 127 CORR. VAR. = 43.1 LOWER HGT. = 23.7
 NOISE LEVEL = .0250 WIND SPEED = 30

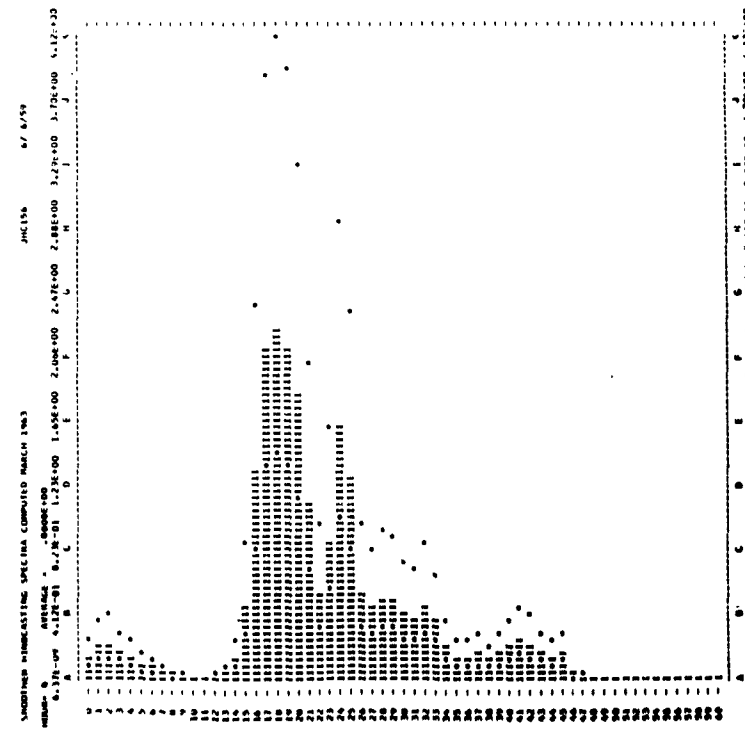
M	FREQ. UNIT	FT. 2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.0020	.0020	.0578	.0578	-1045	.0300
1	.006	.1421	.1421	.1172	.1172	-2160	.0740
2	.011	.2843	.2843	.2393	.2393	-3305	.1142
3	.017	.4264	.4264	.3517	.3517	-4480	.1572
4	.022	.5686	.5686	.4636	.4636	-5680	.2030
5	.028	.7107	.7107	.5766	.5766	-6900	.2510
6	.033	.8529	.8529	.6996	.6996	-8140	.3010
7	.039	.9950	.9950	.8326	.8326	-9400	.3530
8	.044	1.1372	1.1372	.9656	.9656	-10680	.4070
9	.050	1.2793	1.2793	1.0986	1.0986	-11980	.4630
10	.056	1.4214	1.4214	1.2316	1.2316	-13300	.5210
11	.061	1.5636	1.5636	1.3646	1.3646	-14640	.5810
12	.067	1.7057	1.7057	1.4976	1.4976	-16000	.6430
13	.072	1.8478	1.8478	1.6306	1.6306	-17380	.7070
14	.078	1.9900	1.9900	1.7636	1.7636	-18780	.7730
15	.083	2.1321	2.1321	1.8966	1.8966	-20200	.8410
16	.089	2.2743	2.2743	2.0296	2.0296	-21640	.9110
17	.094	2.4164	2.4164	2.1626	2.1626	-23100	.9830
18	.100	2.5586	2.5586	2.2956	2.2956	-24580	1.0570
19	.106	2.7007	2.7007	2.4286	2.4286	-26080	1.1330
20	.111	2.8429	2.8429	2.5616	2.5616	-27600	1.2110
21	.117	2.9850	2.9850	2.6946	2.6946	-29140	1.2910
22	.122	3.1272	3.1272	2.8276	2.8276	-30700	1.3730
23	.128	3.2693	3.2693	2.9606	2.9606	-32280	1.4570
24	.133	3.4114	3.4114	3.0936	3.0936	-33880	1.5430
25	.139	3.5536	3.5536	3.2266	3.2266	-35500	1.6310
26	.144	3.6957	3.6957	3.3596	3.3596	-37140	1.7210
27	.150	3.8378	3.8378	3.4926	3.4926	-38800	1.8130
28	.156	3.9800	3.9800	3.6256	3.6256	-40480	1.9070
29	.161	4.1221	4.1221	3.7586	3.7586	-42180	1.9930
30	.167	4.2643	4.2643	3.8916	3.8916	-43900	2.0810
31	.172	4.4064	4.4064	4.0246	4.0246	-45640	2.1710
32	.178	4.5486	4.5486	4.1576	4.1576	-47400	2.2630
33	.183	4.6907	4.6907	4.2906	4.2906	-49180	2.3570
34	.189	4.8329	4.8329	4.4236	4.4236	-50980	2.4530
35	.194	4.9750	4.9750	4.5566	4.5566	-52800	2.5510
36	.200	5.1172	5.1172	4.6896	4.6896	-54640	2.6510
37	.206	5.2593	5.2593	4.8226	4.8226	-56500	2.7530
38	.211	5.4014	5.4014	4.9556	4.9556	-58380	2.8570
39	.217	5.5436	5.5436	5.0886	5.0886	-60280	2.9630
40	.222	5.6857	5.6857	5.2216	5.2216	-62200	3.0710
41	.228	5.8278	5.8278	5.3546	5.3546	-64140	3.1810
42	.233	5.9700	5.9700	5.4876	5.4876	-66100	3.2930
43	.239	6.1121	6.1121	5.6206	5.6206	-68080	3.4070
44	.244	6.2543	6.2543	5.7536	5.7536	-70080	3.5230
45	.250	6.3964	6.3964	5.8866	5.8866	-72100	3.6410
46	.256	6.5386	6.5386	6.0196	6.0196	-74140	3.7610
47	.261	6.6807	6.6807	6.1526	6.1526	-76200	3.8830
48	.267	6.8229	6.8229	6.2856	6.2856	-78280	4.0070
49	.272	6.9650	6.9650	6.4186	6.4186	-80380	4.1330
50	.278	7.1072	7.1072	6.5516	6.5516	-82500	4.2610
51	.283	7.2493	7.2493	6.6846	6.6846	-84640	4.3910
52	.289	7.3914	7.3914	6.8176	6.8176	-86800	4.5230
53	.294	7.5336	7.5336	6.9506	6.9506	-89000	4.6570
54	.300	7.6757	7.6757	7.0836	7.0836	-91220	4.7930
55	.306	7.8178	7.8178	7.2166	7.2166	-93460	4.9310
56	.311	7.9600	7.9600	7.3496	7.3496	-95720	5.0710
57	.317	8.1021	8.1021	7.4826	7.4826	-98000	5.2130
58	.322	8.2443	8.2443	7.6156	7.6156	-100300	5.3570
59	.328	8.3864	8.3864	7.7486	7.7486	-102620	5.5030
60	.333	8.5286	8.5286	7.8816	7.8816	-104960	5.6510



SHOOTED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 3/4/59 AV. T = 7.6 RECORD = JHC156
 HOUR = 0 SIG. HGT. = 18.9 UPPER HGT. = 20.6
 TOTAL DF = 101 CORR. VAR. = 22.4 LOWER HGT. = 17.4
 NOISE LEVEL = .0196 WIND SPEED = 40

M	FREQ. UNIT	FT. 2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000	.1529	.1529	.1333	.1333	-2458	.0849
1	.006	.2110	.2110	.1934	.1934	-3545	.1232
2	.011	.2757	.2757	.2161	.2161	-4680	.1676
3	.017	.3414	.3414	.2812	.2812	-5860	.2180
4	.022	.4081	.4081	.3481	.3481	-7080	.2740
5	.028	.4758	.4758	.4161	.4161	-8340	.3360
6	.033	.5445	.5445	.4854	.4854	-9640	.4040
7	.039	.6142	.6142	.5564	.5564	-10980	.4780
8	.044	.6849	.6849	.6284	.6284	-12360	.5580
9	.050	.7566	.7566	.7016	.7016	-13780	.6440
10	.056	.8293	.8293	.7766	.7766	-15240	.7360
11	.061	.9030	.9030	.8536	.8536	-16740	.8340
12	.067	.9777	.9777	.9216	.9216	-18280	.9380
13	.072	1.0534	1.0534	.9906	.9906	-19860	1.0480
14	.078	1.1301	1.1301	1.0616	1.0616	-21480	1.1640
15	.083	1.2078	1.2078	1.1346	1.1346	-23140	1.2860
16	.089	1.2865	1.2865	1.2096	1.2096	-24840	1.4140
17	.094	1.3662	1.3662	1.2866	1.2866	-26580	1.5480
18	.100	1.4469	1.4469	1.3656	1.3656	-28360	1.6880
19	.106	1.5286	1.5286	1.4466	1.4466	-30180	1.8340
20	.111	1.6113	1.6113	1.5296	1.5296	-32040	1.9860
21	.117	1.6950	1.6950	1.6146	1.6146	-33940	2.1440
22	.122	1.7797	1.7797	1.7016	1.7016	-35880	2.3080
23	.128	1.8654	1.8654	1.7906	1.7906	-37860	2.4780
24	.133	1.9521	1.9521	1.8816	1.8816	-39880	2.6540
25	.139	2.0398	2.0398	1.9746	1.9746	-41940	2.8360
26	.144	2.1285	2.1285	2.0696	2.0696	-44040	3.0240
27	.150	2.2182	2.2182	2.1666	2.1666	-46180	3.2180
28	.156	2.3089	2.3089	2.2656	2.2656	-48360	3.4180
29	.161	2.4006	2.4006	2.3666	2.3666	-50580	3.6240
30	.167	2.4933	2.4933	2.4696	2.4696	-52840	3.8360
31	.172	2.5870	2.5870	2.5746	2.5746	-55140	4.0540
32	.178	2.6817	2.6817	2.6816	2.6816	-57480	4.2780
33	.183	2.7774	2.7774	2.7906	2.7906	-59860	4.5080
34	.189	2.8741	2.8741	2.9016	2.9016	-62280	4.7440
35	.194	2.9718	2.9718	3.0146	3.0146	-64740	4.9860
36	.200	3.0705	3.0705	3.1296	3.1296	-67240	5.2340
37	.206	3.1702	3.1702	3.2466	3.2466	-69780	5.4880
38	.211	3.2709	3.2709	3.3656	3.3656	-72360	5.7480
39	.217	3.3726	3.3726	3.4866	3.4866	-74980	6.0140
40	.222	3.4753	3.4753	3.6096	3.6096	-77640	6.2860
41	.228	3.5790	3.5790	3.7346	3.7346	-80340	6.5640
42	.233	3.6837	3.6837	3.8616	3.8616	-83080	6.8480
43	.239	3.7894	3.7894	3.9906	3.9906	-85860	7.1380
44	.244	3.8961	3.8961	4.1216	4.1216	-88680	7.4340
45	.250	4.0038	4.0038	4.2546	4.2546	-91540	7.7360
46	.256	4.1125	4.1125	4.3906	4.3906	-94440	8.0440
47	.261	4.2222	4.2222	4.5286	4.5286	-97380	8.3580
48	.267	4.3329	4.3329	4.6686	4.6686	-100360	8.6780
49	.272	4.4446	4.4446	4.8106	4.8106	-103380	9.0040
50	.278	4.5573	4.5573	4.9546	4.9546	-106440	9.3360
51	.283	4.6710	4.6710	5.1006	5.1006	-109540	9.6740
52	.289	4.7857	4.7857	5.2486	5.2486	-112680	10.0180
53	.294	4.9014	4.9014	5.4006	5.4006	-115860	10.3680
54	.300	5.0181	5.0181	5.5556	5.5556	-119080	10.7240
55	.306	5.1358	5.1358	5.7136	5.7136	-122340	11.0860
56	.311	5.2545	5.2545	5.8746	5.8746	-125640	11.4540
57	.317	5.3742	5.3742	6.0386	6.0386	-128980	11.8280
58	.322	5.4949	5.4949	6.2056	6.2056	-132360	12.2080
59	.328	5.6166	5.6166	6.3756	6.3756	-135780	12.5940
60	.333	5.7393	5.7393	6.5486	6.5486	-139240	12.9860

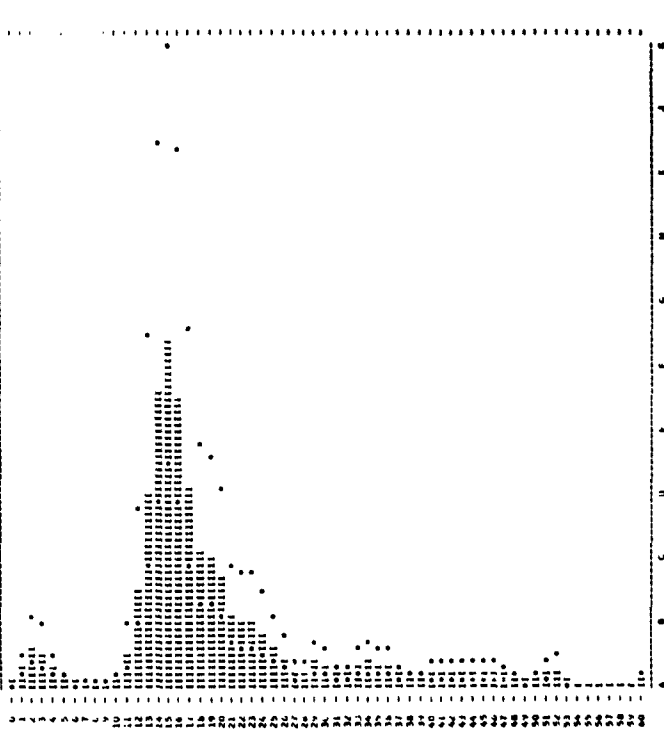


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 6/ 6/59 AV. T = 9.5 RECORD = JMC157
 HOUR = 5 SIG. HGT. = 24.7 UPPER HGT. = 27.1
 TOTAL DP = 154 CLIM. VAR. = 30.2 LOWER HGT. = 22.5
 NOISE LEVEL = .0267 WIND SPEED = 40

H	FRQ.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0010	.0010	.0710	.0710	.1300	.0452
1	.004	.2000	.2000	.2762	.2762	.4400	.1720
2	.011	.5000	.5000	.6472	.6472	1.0000	.3404
3	.017	.8000	.8000	.9250	.9250	1.3000	.5000
4	.022	1.2773	1.2773	1.2566	1.2566	1.6200	.6136
5	.028	1.8001	1.8001	.9993	.9993	1.8311	.6633
6	.033	2.3500	2.3500	.9560	.9560	1.9471	.6967
7	.039	2.9270	2.9270	.8263	.8263	1.9642	.7222
8	.044	3.5301	3.5301	.6234	.6234	1.8916	.7177
9	.050	4.1590	4.1590	.3777	.3777	1.6272	.6267
10	.056	4.8137	4.8137	.1440	.1440	1.2252	.4778
11	.061	5.4940	5.4940	.4750	.4750	.9084	.3138
12	.067	6.2001	6.2001	1.3072	1.3072	2.6225	.9000
13	.072	6.9420	6.9420	2.7154	2.7154	5.1351	1.7500
14	.078	7.7200	7.7200	4.1442	4.1442	7.4000	2.7312
15	.083	8.5343	8.5343	5.7235	5.7235	9.2694	3.2024
16	.089	9.3840	9.3840	7.4556	7.4556	10.8000	3.6781
17	.094	10.2690	10.2690	9.3400	9.3400	12.1555	4.0500
18	.100	11.1900	11.1900	11.3760	11.3760	13.3400	4.3255
19	.106	12.1470	12.1470	13.5600	13.5600	14.3737	4.5155
20	.111	13.1400	13.1400	15.8933	15.8933	15.2600	4.6100
21	.117	14.1690	14.1690	18.3760	18.3760	16.0100	4.6200
22	.122	15.2340	15.2340	21.0000	21.0000	16.6400	4.5500
23	.128	16.3360	16.3360	23.7667	23.7667	17.1700	4.4000
24	.133	17.4760	17.4760	26.6767	26.6767	17.6100	4.1700
25	.139	18.6540	18.6540	29.7300	29.7300	17.9600	3.8700
26	.144	19.8700	19.8700	32.9267	32.9267	18.2300	3.5100
27	.150	21.1240	21.1240	36.2667	36.2667	18.4200	3.1000
28	.156	22.4160	22.4160	39.7500	39.7500	18.5300	2.6500
29	.161	23.7460	23.7460	43.3767	43.3767	18.5600	2.1800
30	.167	25.1140	25.1140	47.1500	47.1500	18.5100	1.7000
31	.172	26.5200	26.5200	51.0700	51.0700	18.3800	1.2200
32	.178	27.9640	27.9640	55.1400	55.1400	18.1800	.7500
33	.183	29.4460	29.4460	59.3600	59.3600	17.9100	.3000
34	.189	30.9660	30.9660	63.7300	63.7300	17.5700	.0000
35	.194	32.5240	32.5240	68.2500	68.2500	17.1600	.0000
36	.200	34.1200	34.1200	72.9200	72.9200	16.6900	.0000
37	.206	35.7540	35.7540	77.7400	77.7400	16.1600	.0000
38	.211	37.4260	37.4260	82.7100	82.7100	15.5700	.0000
39	.217	39.1360	39.1360	87.8300	87.8300	14.9200	.0000
40	.222	40.8840	40.8840	93.1000	93.1000	14.2200	.0000
41	.228	42.6700	42.6700	98.5200	98.5200	13.4700	.0000
42	.233	44.4940	44.4940	104.0900	104.0900	12.6800	.0000
43	.239	46.3560	46.3560	109.8100	109.8100	11.8500	.0000
44	.244	48.2560	48.2560	115.6800	115.6800	10.9900	.0000
45	.250	50.1940	50.1940	121.7000	121.7000	10.1000	.0000
46	.256	52.1700	52.1700	127.8700	127.8700	9.1900	.0000
47	.261	54.1840	54.1840	134.1900	134.1900	8.2600	.0000
48	.267	56.2360	56.2360	140.6600	140.6600	7.3100	.0000
49	.272	58.3260	58.3260	147.2800	147.2800	6.3400	.0000
50	.278	60.4540	60.4540	154.0500	154.0500	5.3600	.0000
51	.283	62.6200	62.6200	160.9700	160.9700	4.3700	.0000
52	.289	64.8240	64.8240	168.0400	168.0400	3.3700	.0000
53	.294	67.0660	67.0660	175.2600	175.2600	2.3600	.0000
54	.300	69.3460	69.3460	182.6300	182.6300	1.3400	.0000
55	.306	71.6640	71.6640	190.1500	190.1500	.3200	.0000
56	.311	74.0200	74.0200	197.8200	197.8200	.0000	.0000
57	.317	76.4140	76.4140	205.6400	205.6400	.0000	.0000
58	.322	78.8460	78.8460	213.6100	213.6100	.0000	.0000
59	.328	81.3160	81.3160	221.7300	221.7300	.0000	.0000
60	.333	83.8240	83.8240	230.0000	230.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOURS = 5
 DATE = 6/ 6/59
 AV. T = 9.5
 RECORD = JMC157
 SIG. HGT. = 24.7
 UPPER HGT. = 27.1
 CLIM. VAR. = 30.2
 LOWER HGT. = 22.5
 NOISE LEVEL = .0267
 WIND SPEED = 40

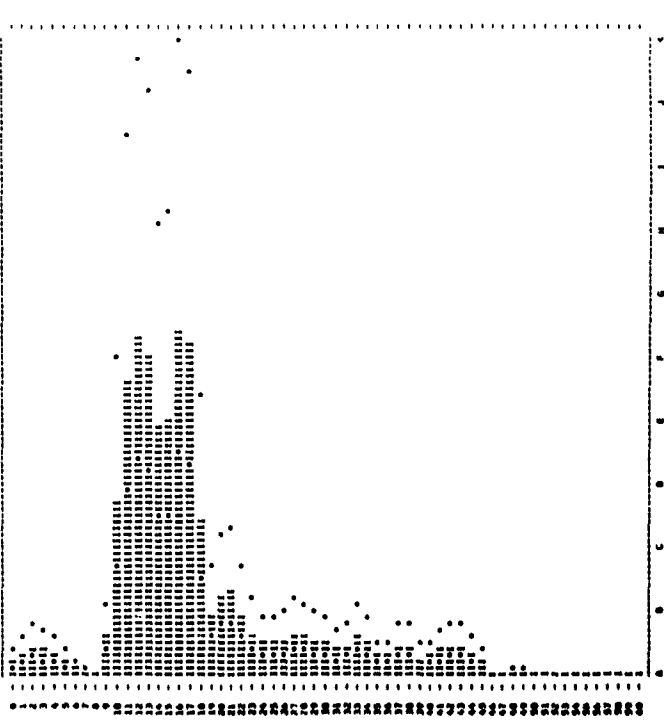


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T = 9.2 RECORD = JMC158
 HOUR = 5 SIG. HGT. = 29.6 UPPER HGT. = 32.3
 TOTAL DP = 167 CLIM. VAR. = 34.0 LOWER HGT. = 27.0
 NOISE LEVEL = .0366 WIND SPEED = 50

H	FRQ.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2236	.2236	.1872	.1872	.3451	.1192
1	.004	.5502	.5502	.3138	.3138	.5784	.1900
2	.011	1.4613	1.4613	.4249	.4249	.7832	.2706
3	.017	2.4208	2.4208	.5066	.5066	.9405	.3404
4	.022	3.5066	3.5066	.5182	.5182	1.0600	.3926
5	.028	4.7222	4.7222	.4750	.4750	1.1400	.4267
6	.033	6.0700	6.0700	.3777	.3777	1.1700	.4500
7	.039	7.5500	7.5500	.2273	.2273	1.1600	.4636
8	.044	9.0700	9.0700	.0000	.0000	1.1100	.4633
9	.050	10.7300	10.7300	.5221	.5221	1.0400	.4400
10	.056	12.5200	12.5200	1.1000	1.1000	9.2500	.3400
11	.061	14.4400	14.4400	2.3110	2.3110	4.3400	2.0910
12	.067	16.4900	16.4900	3.9582	3.9582	9.5027	3.3035
13	.072	18.6700	18.6700	6.0461	6.0461	16.0093	4.1124
14	.078	20.9800	20.9800	8.5713	8.5713	23.9998	4.4195
15	.083	23.4200	23.4200	11.5400	11.5400	33.0000	4.6831
16	.089	25.9900	25.9900	14.9500	14.9500	43.3563	4.9070
17	.094	28.6900	28.6900	18.8015	18.8015	55.0773	5.0929
18	.100	31.5200	31.5200	23.0921	23.0921	68.2603	5.2093
19	.106	34.5800	34.5800	27.8200	27.8200	82.9100	5.2500
20	.111	37.8700	37.8700	32.9900	32.9900	99.0400	5.2100
21	.117	41.3900	41.3900	38.6100	38.6100	116.6600	5.0900
22	.122	45.1400	45.1400	44.6800	44.6800	135.7800	4.9000
23	.128	49.1200	49.1200	51.2000	51.2000	156.4100	4.6500
24	.133	53.3300	53.3300	58.1700	58.1700	178.5500	4.3500
25	.139	57.7700	57.7700	65.5900	65.5900	203.2000	4.0000
26	.144	62.4400	62.4400	73.4600	73.4600	230.3600	3.6100
27	.150	67.3400	67.3400	81.7800	81.7800	260.0300	3.1800
28	.156	72.4700	72.4700	90.5500	90.5500	292.2100	2.7300
29	.161	77.8300	77.8300	99.7700	99.7700	326.9100	2.2600
30	.167	83.4200	83.4200	109.4400	109.4400	374.1400	1.7800
31	.172	89.2400	89.2400	119.5600	119.5600	433.9100	1.2900
32	.178	95.2900	95.2900	130.1300	130.1300	506.2200	.8000
33	.183	101.5700	101.5700	141.1500	141.1500	592.0700	.3200
34	.189	108.0800	108.0800	152.6200	152.6200	692.4600	.0000
35	.194	114.8200	114.8200	164.5400	164.5400	808.3900	.0000
36	.200	121.7900	121.7900	176.9100	176.9100	940.7600	.0000
37	.206	128.9900	128.9900	189.7300	189.7300	1090.5700	.0000
38	.211	136.4200	136.4200	203.0000	203.0000	1258.8200	.0000
39	.217	144.0800	144.0800	216.7200	216.7200	1445.5100	.0000
40	.222	151.9700	151.9700	230.8900	230.8900	1650.7400	.0000
41	.228	160.0900	160.0900	245.5100	245.5100	1874.5100	.0000
42	.233	168.4400	168.4400	260.5800	260.5800	2116.8200	.0000
43	.239	177.0200	177.0200	276.1000	276.1000	2377.6700	.0000
44	.244	185.8300	185.8300	292.0700	292.0700	2657.0600	.0000
45	.250	194.8700	194.8700	308.4900	308.4900	2955.0000	.0000
46	.256	204.1400	204.1400	325.3600	325.3600	3272.4900	.0000
47	.261	213.6400	213.6400	342.6800	342.6800	3609.5400	.0000
48	.267	223.3700	223.3700	360.4500	360.4500	3966.1600	.0000
49	.272	233.3300	233.3300	378.6700	378.6700	4342.3500	.0000
50	.278	243.5200	243.5200	397.3400	397.3400	4738.1100	.0000
51	.283	253.9400	253.9400	416.4600	416.4600	5153.4400	.0000
52	.289	264.5900	264.5900	436.0300	436.0300	5588.3500	.0000
53	.294	275.4700	275.4700	456.0500	456.0500	6042.8400	.0000
54	.300	286.5800	286.5800	476.5200	476.5200	6516.9100	.0000
55	.306	297.9200	297.9200	497.4400	497.4400	7010.5600	.0000
56	.311	309.4900	309.4900	518.8100	518.8100	7523.7900	.0000
57	.317	321.2900	321.2900	540.6300	540.6300	8056.6000	.0000
58	.322	333.3200	333.3200	562.9000	562.9000	8609.0000	.0000
59	.328	345.5800	345.5800	585.6200	585.6200	9181.0000	.0000
60	.333	358.0700	358.0700	608.7900	608.7900	9772.7100	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOURS = 5
 DATE = 6/ 6/59
 AV. T = 9.2
 RECORD = JMC158
 SIG. HGT. = 29.6
 UPPER HGT. = 32.3
 CLIM. VAR. = 34.0
 LOWER HGT. = 27.0
 NOISE LEVEL = .0366
 WIND SPEED = 50

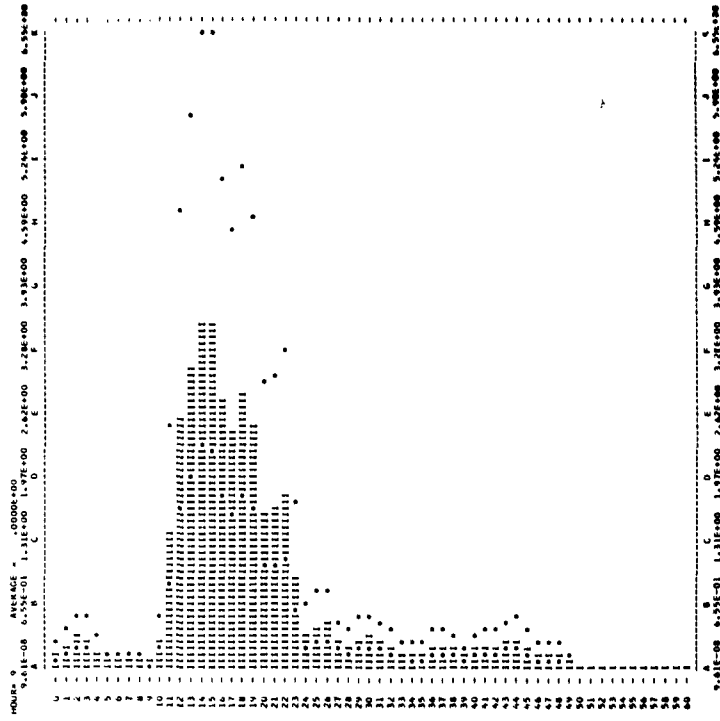


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 6/59 AV. T = 8.0 RECORD = JML159
 HOUR = 0 SIG. HGT. = 26.7 UPPER HGT. = 26.9
 TOTAL DP = 176 CORN. VEH. = 38.0 LOWER HGT. = 22.6
 NOISE LEVEL = 10.0 WIND SPEED = 40

H	PRE. UNIT+FT.2	FILTERED	-NOISE	CORN.FT.2	UPPER	LOWER
0	.000	.1707	-.1904	-.1904	.2773	-.0958
1	.006	-.2369	-.2387	-.2186	-.3993	-.1579
2	.011	-.3206	-.3206	-.3003	-.3952	-.1512
3	.017	-.2941	-.2901	-.2738	-.2738	-.1744
4	.023	-.1127	-.1817	-.1814	-.1814	-.1978
5	.028	-.0876	-.0876	-.0873	-.0873	-.1261
6	.033	-.0587	-.0587	-.0384	-.0605	-.1116
7	.039	-.0496	-.0496	-.0491	-.0492	-.1202
8	.044	-.0729	-.0729	-.0526	-.0632	-.1135
9	.050	-.0517	-.0517	-.0314	-.0349	-.0643
10	.056	-.2824	-.2824	-.2821	-.2786	-.5136
11	.061	1.3157	1.3157	1.2876	1.3440	2.4772
12	.067	2.5015	2.5015	2.4812	2.5450	4.6908
13	.072	3.0236	3.0236	3.0033	3.0814	5.6795
14	.078	3.4539	3.4539	3.4336	3.5538	6.5902
15	.083	3.3897	3.3897	3.3694	3.5426	6.5296
16	.089	2.6000	2.6000	2.5877	2.7515	5.0715
17	.094	2.2431	2.2431	2.2228	2.4527	4.9206
18	.100	2.4872	2.4872	2.4669	2.8084	5.1742
19	.106	2.1561	2.1561	2.1358	2.5213	4.6472
20	.111	1.3233	1.3233	1.3030	1.6001	2.9472
21	.117	1.3043	1.3043	1.2840	1.6457	3.0333
22	.122	1.3226	1.3226	1.3123	1.7617	3.2470
23	.128	.6751	.6751	.6548	.9236	1.7024
24	.133	-.2573	-.2573	-.2370	-.3525	-.4497
25	.139	-.2898	-.2898	-.2695	-.4240	-.5781
26	.144	-.2802	-.2802	-.2599	-.4337	-.7093
27	.150	-.1482	-.1482	-.1479	-.2624	-.4836
28	.156	-.1400	-.1400	-.1397	-.2248	-.4176
29	.161	-.1492	-.1492	-.1489	-.2932	-.5404
30	.167	-.1561	-.1561	-.1358	-.2948	-.5436
31	.172	-.1338	-.1338	-.1135	-.2848	-.4880
32	.178	-.1027	-.1027	-.0824	-.2075	-.3824
33	.183	-.0781	-.0781	-.0578	-.1572	-.2897
34	.189	-.0704	-.0704	-.0501	-.1478	-.2724
35	.194	-.0482	-.0482	-.0479	-.1535	-.2828
36	.200	-.0776	-.0776	-.0573	-.2001	-.3688
37	.206	-.0802	-.0802	-.0599	-.2283	-.4207
38	.211	-.0599	-.0599	-.0396	-.1653	-.3047
39	.217	-.0447	-.0447	-.0244	-.1119	-.2003
40	.222	-.0349	-.0349	-.0146	-.1811	-.3375
41	.228	-.0635	-.0635	-.0394	-.2140	-.4037
42	.233	-.0925	-.0925	-.0684	-.2250	-.4147
43	.239	-.0349	-.0349	-.0146	-.2598	-.4783
44	.244	-.0630	-.0630	-.0377	-.2858	-.5267
45	.250	-.0469	-.0469	-.0263	-.2221	-.4093
46	.256	-.0746	-.0746	-.0342	-.2435	-.4424
47	.261	-.0311	-.0311	-.0118	-.1249	-.2301
48	.267	-.0367	-.0367	-.0123	-.1655	-.2683
49	.272	-.0176	-.0176	-.0058	-.0712	-.1442
50	.278	-.0163	-.0182	-.0000	-.0000	-.0000
51	.283	-.0148	-.0155	-.0000	-.0000	-.0000
52	.289	-.0163	-.0165	-.0000	-.0000	-.0000
53	.294	-.0186	-.0170	-.0000	-.0000	-.0000
54	.300	-.0147	-.0153	-.0000	-.0000	-.0000
55	.306	-.0131	-.0156	-.0000	-.0000	-.0000
56	.311	-.0215	-.0202	-.0000	-.0000	-.0000
57	.317	-.0247	-.0220	-.0018	-.0018	-.0011
58	.322	-.0173	-.0213	-.0010	-.0016	-.0006
59	.328	-.0258	-.0249	-.0067	-.0067	-.0123
60	.333	-.0388	-.0323	-.0120	-.0120	-.0222

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

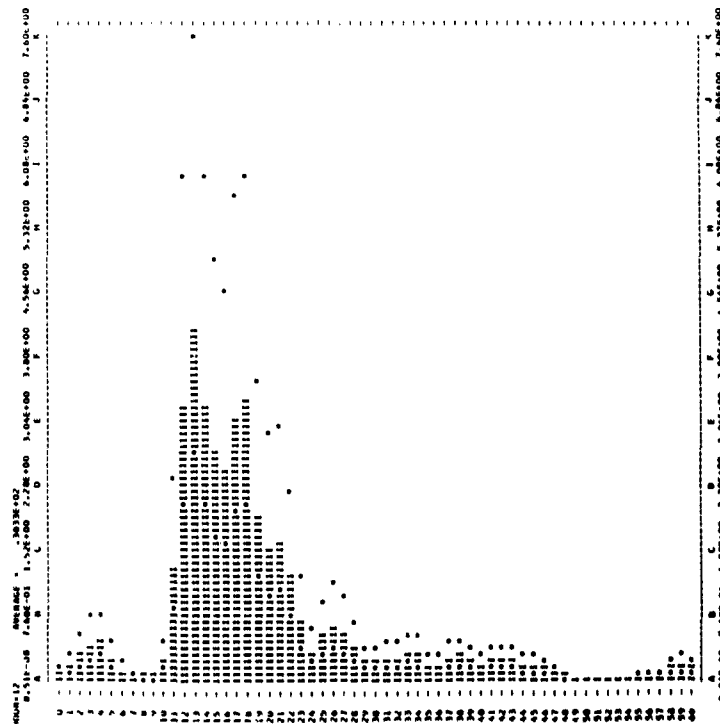


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 6/ 6/59 AV. T = 8.6 RECORD = JML160
 HOUR = 12 SIG. HGT. = 29.0 UPPER HGT. = 27.3
 TOTAL DP = 178 CORN. VEH. = 39.1 LOWER HGT. = 47.0
 NOISE LEVEL = .0253 WIND SPEED = 40

H	PRE. UNIT+FT.2	FILTERED	-NOISE	CORN.FT.2	UPPER	LOWER
0	.000	-.0947	-.0947	-.0694	-.1279	-.0442
1	.006	-.1776	-.1776	-.1523	-.1523	-.2807
2	.011	-.3206	-.3206	-.2952	-.2952	-.4880
3	.017	-.3368	-.3368	-.3115	-.3115	-.7584
4	.022	-.4575	-.4575	-.4321	-.4321	-.7965
5	.028	-.2670	-.2670	-.2417	-.2417	-.5139
6	.033	-.0914	-.0914	-.0661	-.1041	-.1919
7	.039	-.0492	-.0492	-.0239	-.0317	-.0584
8	.044	-.0704	-.0704	-.0451	-.0537	-.0934
9	.050	-.0409	-.0409	-.0156	-.0395	-.0728
10	.056	-.2786	-.2786	-.2532	-.2479	-.4570
11	.061	1.2606	1.2606	1.2353	1.2816	2.3622
12	.067	3.1703	3.1703	3.1450	3.2258	5.9656
13	.072	4.0062	4.0062	4.0209	4.1255	7.6038
14	.078	3.1389	3.1389	3.1136	3.2225	5.9396
15	.083	2.3465	2.3465	2.3392	2.4687	4.9236
16	.089	2.3438	2.3438	2.3185	2.4653	4.5439
17	.094	2.8154	2.8154	2.7900	3.0785	5.6742
18	.100	2.8677	2.8677	2.8420	3.2353	5.9631
19	.106	1.8281	1.8281	1.8028	1.8921	3.4874
20	.111	1.2866	1.2866	1.2613	1.3409	2.8548
21	.117	1.2924	1.2924	1.2670	1.3439	2.9932
22	.122	.9277	.9277	.9023	1.2113	2.2228
23	.128	-.0880	-.0880	-.0627	-.6524	1.2028
24	.133	-.2436	-.2436	-.2183	-.3246	-.5983
25	.139	-.3413	-.3413	-.3160	-.4070	-.8161
26	.144	-.3950	-.3950	-.3697	-.4618	1.1368
27	.150	-.3261	-.3261	-.3008	-.3371	-.9879
28	.156	-.2255	-.2255	-.2001	-.2788	-.8411
29	.161	-.1394	-.1394	-.1140	-.2232	-.6113
30	.167	-.1191	-.1191	-.0937	-.2035	-.3750
31	.172	-.1301	-.1301	-.1048	-.2444	-.4958
32	.178	-.1214	-.1214	-.0961	-.2618	-.4456
33	.183	-.1380	-.1380	-.1127	-.3063	-.5666
34	.189	-.1218	-.1218	-.0984	-.2802	-.5346
35	.194	-.0831	-.0831	-.0578	-.1877	-.3610
36	.200	-.0775	-.0775	-.0522	-.1820	-.3355
37	.206	-.0907	-.0907	-.0653	-.1948	-.4588
38	.211	-.0895	-.0895	-.0642	-.2076	-.4933
39	.217	-.0682	-.0682	-.0439	-.2012	-.3708
40	.222	-.0579	-.0579	-.0332	-.1826	-.3364
41	.228	-.0612	-.0608	-.0355	-.1972	-.3635
42	.233	-.0629	-.0399	-.0346	-.2128	-.3923
43	.239	-.0428	-.0428	-.0211	-.1917	-.3513
44	.244	-.0453	-.0460	-.0228	-.1716	-.3163
45	.250	-.0485	-.0450	-.0197	-.1682	-.3046
46	.256	-.0378	-.0361	-.0150	-.1226	-.2260
47	.261	-.0293	-.0319	-.0066	-.0645	-.1280
48	.267	-.0313	-.0292	-.0038	-.0457	-.0843
49	.272	-.0246	-.0261	-.0000	-.0000	-.0000
50	.278	-.0133	-.0179	-.0000	-.0000	-.0000
51	.283	-.0161	-.0177	-.0000	-.0000	-.0000
52	.289	-.0032	-.0000	-.0000	-.0000	-.0000
53	.294	-.0261	-.0251	-.0000	-.0000	-.0000
54	.300	-.0247	-.0256	-.0003	-.0079	-.0146
55	.306	-.0270	-.0269	-.0000	-.0000	-.0000
56	.311	-.0264	-.0266	-.0007	-.0231	-.0417
57	.317	-.0244	-.0261	-.0008	-.0294	-.0188
58	.322	-.0281	-.0281	-.0008	-.0210	-.0340
59	.328	-.0295	-.0285	-.0032	-.0199	-.0418
60	.333	-.0258	-.0277	-.0023	-.1348	-.2484

HINDCASTING SPECTRA COMPUTED JAN. 1963

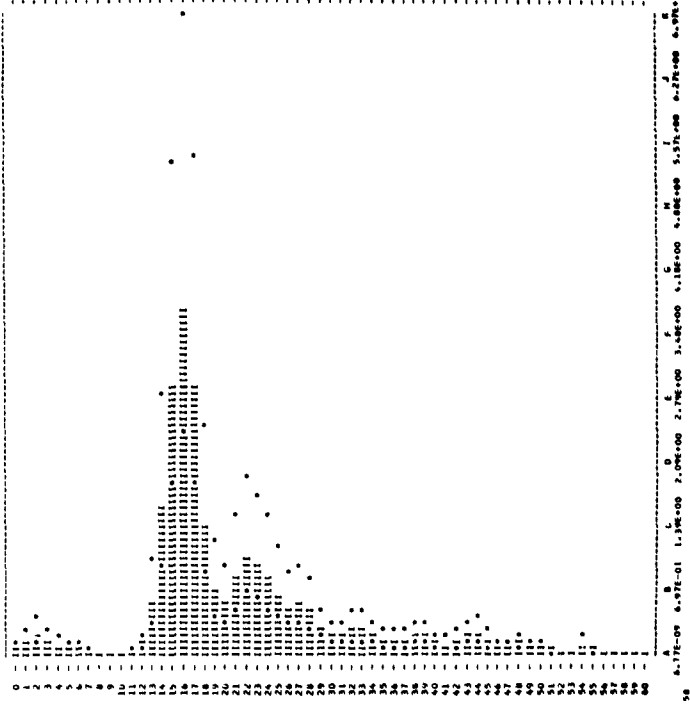


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/4/59 AV. T = 7.9 RECORD = JMC163
 HOUR = 21 SIG.HGT. = 20.0 UPPER HGT. = 22.0
 TOTAL DF = 167 CORR. VAR. = 24.4 LOWER HGT. = 18.1
 NOISE LEVEL = .0233 WIND SPEED = 35

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.0968	.0968	.0735	.1354	.0468
1	.006	.1856	.1856	.1653	.3046	.1052
2	.011	.2568	.2568	.2335	.4303	.1487
3	.017	.3127	.3127	.2890	.5114	.1776
4	.024	.3574	.3574	.3298	.5579	.2040
5	.032	.3924	.3924	.3641	.6091	.2294
6	.043	.4176	.4176	.3853	.6556	.2544
7	.056	.4358	.4358	.4017	.6974	.2794
8	.074	.4478	.4478	.4130	.7344	.3040
9	.099	.4544	.4544	.4190	.7664	.3290
10	.134	.4563	.4563	.4200	.7934	.3540
11	.181	.4533	.4533	.4160	.8164	.3790
12	.243	.4453	.4453	.4070	.8354	.4040
13	.324	.4323	.4323	.3930	.8504	.4290
14	.439	.4153	.4153	.3750	.8614	.4540
15	.594	.3943	.3943	.3530	.8684	.4790
16	.804	.3693	.3693	.3280	.8714	.5040
17	.1083	.3413	.3413	.3000	.8704	.5290
18	.1464	.3103	.3103	.2680	.8654	.5540
19	.1944	.2773	.2773	.2330	.8564	.5790
20	.2674	.2423	.2423	.1960	.8434	.6040
21	.3744	.2053	.2053	.1570	.8264	.6290
22	.5244	.1673	.1673	.1170	.8054	.6540
23	.7344	.1283	.1283	.0770	.7804	.6790
24	.1024	.0883	.0883	.0370	.7514	.7040
25	.1404	.0473	.0473	.0000	.7084	.7290
26	.1884	.0053	.0053	.0000	.6514	.7540
27	.2564	.0000	.0000	.0000	.5804	.7790
28	.3544	.0000	.0000	.0000	.4954	.8040
29	.4944	.0000	.0000	.0000	.4004	.8290
30	.6844	.0000	.0000	.0000	.3054	.8540
31	.9444	.0000	.0000	.0000	.2104	.8790
32	.1304	.0000	.0000	.0000	.1154	.9040
33	.1784	.0000	.0000	.0000	.0204	.9290
34	.2464	.0000	.0000	.0000	.0000	.9540
35	.3344	.0000	.0000	.0000	.0000	.9790
36	.4644	.0000	.0000	.0000	.0000	.1000
37	.6344	.0000	.0000	.0000	.0000	.1000
38	.8644	.0000	.0000	.0000	.0000	.1000
39	.1184	.0000	.0000	.0000	.0000	.1000
40	.1624	.0000	.0000	.0000	.0000	.1000
41	.2204	.0000	.0000	.0000	.0000	.1000
42	.2984	.0000	.0000	.0000	.0000	.1000
43	.4064	.0000	.0000	.0000	.0000	.1000
44	.5564	.0000	.0000	.0000	.0000	.1000
45	.7664	.0000	.0000	.0000	.0000	.1000
46	.1064	.0000	.0000	.0000	.0000	.1000
47	.1404	.0000	.0000	.0000	.0000	.1000
48	.1884	.0000	.0000	.0000	.0000	.1000
49	.2564	.0000	.0000	.0000	.0000	.1000
50	.3544	.0000	.0000	.0000	.0000	.1000
51	.4944	.0000	.0000	.0000	.0000	.1000
52	.6844	.0000	.0000	.0000	.0000	.1000
53	.9444	.0000	.0000	.0000	.0000	.1000
54	.1304	.0000	.0000	.0000	.0000	.1000
55	.1784	.0000	.0000	.0000	.0000	.1000
56	.2464	.0000	.0000	.0000	.0000	.1000
57	.3344	.0000	.0000	.0000	.0000	.1000
58	.4644	.0000	.0000	.0000	.0000	.1000
59	.6344	.0000	.0000	.0000	.0000	.1000
60	.8644	.0000	.0000	.0000	.0000	.1000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=21 AVERAGE = .0000E+00
 6.77E-09 6.97E-01 1.39E+00 2.08E+00 2.79E+00 3.48E+00 4.18E+00 4.88E+00 5.57E+00 6.27E+00 6.97E+00

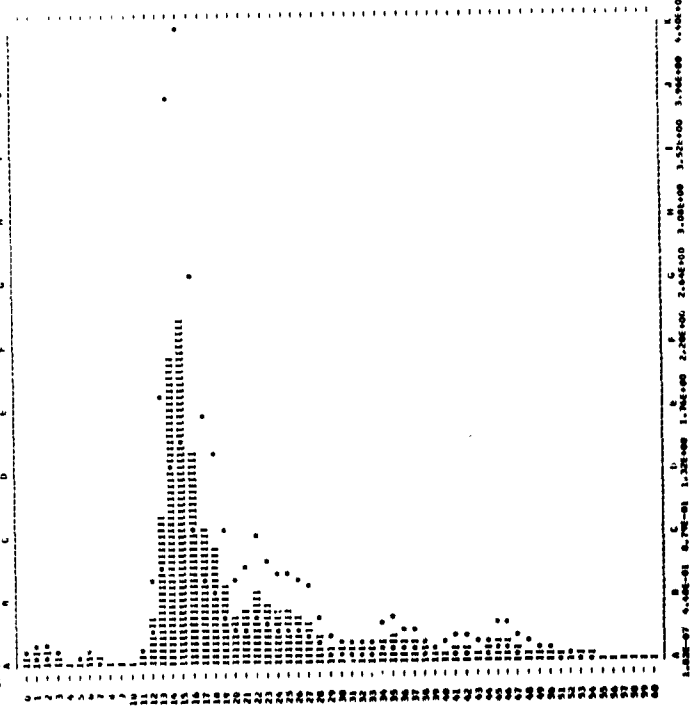


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 7/6/59 AV. T = 8.1 RECORD = JMC164
 HOUR = 3 SIG.HGT. = 15.5 UPPER HGT. = 17.1
 TOTAL DF = 136 CORR. VAR. = 15.0 LOWER HGT. = 14.0
 NOISE LEVEL = .0090 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR. FT.2	UPPER	LOWER
0	.000	.0616	.0616	.0525	.0968	.0339
1	.006	.0892	.0892	.0762	.1404	.0485
2	.011	.0875	.0875	.0785	.1447	.0500
3	.017	.0444	.0444	.0359	.0862	.0229
4	.022	.0206	.0206	.0118	.0116	.0076
5	.028	.0042	.0042	.0002	.0002	.0029
6	.033	.1426	.1426	.1330	.3520	.0931
7	.039	.0304	.0304	.0214	.0284	.0181
8	.046	.1124	.1124	.1033	.3040	.0073
9	.050	.0095	.0095	.0005	.0006	.0010
10	.056	.0144	.0144	.0054	.0057	.0105
11	.061	.0457	.0457	.0367	.0598	.0375
12	.067	.1136	.1136	.1046	.3126	.0758
13	.072	.0914	.0914	.0824	.10079	.1878
14	.078	2.0668	2.0668	2.0598	2.1277	1.3548
15	.083	2.2779	2.2779	2.2688	2.3856	1.5189
16	.089	1.3701	1.3701	1.3610	1.4472	2.2676
17	.094	.8649	.8649	.8579	.9245	1.7041
18	.100	.7016	.7016	.6926	.7484	1.4531
19	.106	.4417	.4417	.4327	.5108	.9416
20	.111	.2895	.2895	.2805	.3198	.5495
21	.117	.2902	.2902	.2812	.3404	.4843
22	.122	.3556	.3556	.3466	.4453	.4875
23	.128	.2766	.2766	.2706	.3817	.7055
24	.133	.2392	.2392	.2322	.3363	.6199
25	.139	.2270	.2270	.2170	.3425	.4314
26	.144	.1989	.1989	.1899	.3147	.5838
27	.150	.1671	.1671	.1581	.2804	.5168
28	.156	.1004	.1004	.0914	.1725	.1187
29	.161	.0566	.0566	.0476	.0841	.1950
30	.167	.0415	.0415	.0325	.0705	.1300
31	.172	.0639	.0639	.0549	.0814	.1501
32	.178	.0399	.0399	.0309	.0776	.1431
33	.183	.0393	.0393	.0303	.0874	.1319
34	.189	.0565	.0565	.0475	.1398	.0590
35	.194	.0594	.0594	.0504	.1413	.2973
36	.200	.0438	.0438	.0348	.1283	.2364
37	.206	.0381	.0381	.0291	.1108	.2039
38	.211	.0268	.0268	.0178	.0741	.1346
39	.217	.0180	.0180	.0090	.0413	.0741
40	.222	.0207	.0207	.0117	.0848	.1195
41	.228	.0281	.0281	.0191	.0819	.1693
42	.233	.0252	.0252	.0162	.0894	.1648
43	.239	.0157	.0157	.0067	.0453	.1107
44	.244	.0271	.0271	.0181	.0807	.1487
45	.249	.0269	.0269	.0179	.1330	.2491
46	.256	.0179	.0179	.0089	.1071	.2712
47	.261	.0129	.0129	.0039	.1026	.1691
48	.267	.0141	.0141	.0051	.0807	.1119
49	.272	.0132	.0132	.0042	.0912	.0944
50	.278	.0121	.0121	.0031	.0848	.0863
51	.283	.0110	.0110	.0021	.0318	.0586
52	.289	.0095	.0095	.0010	.0188	.0346
53	.294	.0102	.0102	.0013	.0276	.0508
54	.300	.0113	.0113	.0012	.0000	.0000
55	.306	.0083	.0083	.0000	.0000	.0000
56	.311	.0068	.0068	.0000	.0000	.0000
57	.317	.0077	.0077	.0000	.0000	.0000
58	.322	.0088	.0088	.0000	.0000	.0000
59	.328	.0085	.0085	.0000	.0000	.0000
60	.333	.0076	.0076	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR=3 AVERAGE = .3900E+02
 1.80E-07 8.17E-01 1.74E+00 2.04E+00 2.20E+00 2.46E+00 2.84E+00 3.04E+00 3.32E+00 3.94E+00 4.40E+00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

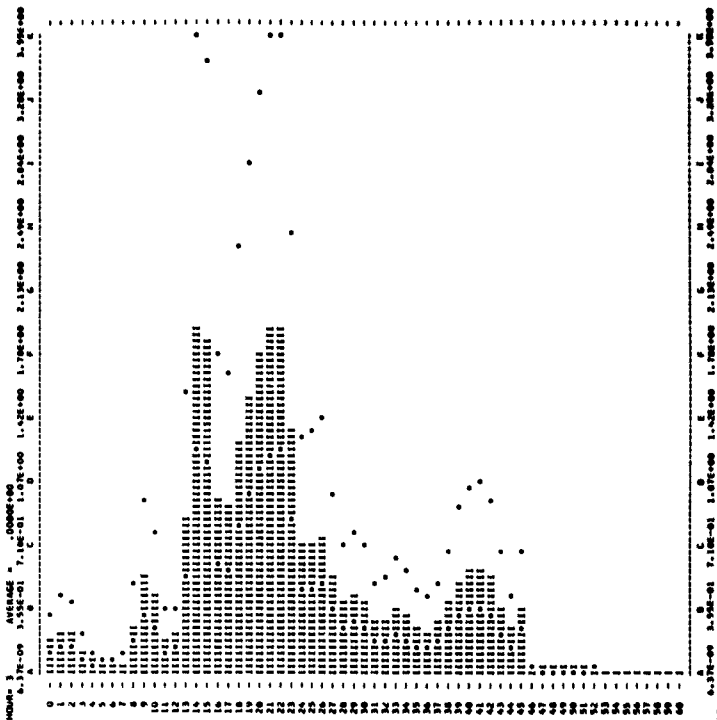
DATE = 11/12/59 AV. T = 7.3 RECORD = JMC148
 HOUR = 3 SIG.MGT. = 21.3 UPPER HGT. = 22.9
 TOTAL DP = 256 CORR. VAR. = 26.1 LOWER HGT. = 19.6
 NOISE LEVEL = .0105 WIND SPEED = 50

N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.990	1.990	1.013	.3341	-1.154
1	.004	2.042	2.042	1.013	.3341	-1.154
2	.011	2.224	2.224	1.013	.3341	-1.154
3	.017	1.840	1.840	1.013	.3341	-1.154
4	.022	1.800	1.800	1.013	.3341	-1.154
5	.026	1.871	1.871	1.013	.3341	-1.154
6	.033	1.847	1.847	1.013	.3341	-1.154
7	.039	1.971	1.971	1.013	.3341	-1.154
8	.044	2.316	2.316	1.013	.3341	-1.154
9	.050	1.492	1.492	1.013	.3341	-1.154
10	.056	1.519	1.519	1.013	.3341	-1.154
11	.061	1.620	1.620	1.013	.3341	-1.154
12	.067	1.933	1.933	1.013	.3341	-1.154
13	.072	1.747	1.747	1.013	.3341	-1.154
14	.078	1.612	1.612	1.013	.3341	-1.154
15	.083	1.5212	1.5212	1.013	.3341	-1.154
16	.089	1.761	1.761	1.013	.3341	-1.154
17	.094	1.999	1.999	1.013	.3341	-1.154
18	.100	1.921	1.921	1.013	.3341	-1.154
19	.106	1.9399	1.9399	1.013	.3341	-1.154
20	.111	1.1007	1.1007	1.013	.3341	-1.154
21	.117	1.1176	1.1176	1.013	.3341	-1.154
22	.122	1.0406	1.0406	1.013	.3341	-1.154
23	.128	1.0725	1.0725	1.013	.3341	-1.154
24	.133	1.347	1.347	1.013	.3341	-1.154
25	.139	1.352	1.352	1.013	.3341	-1.154
26	.144	1.3037	1.3037	1.013	.3341	-1.154
27	.150	1.2010	1.2010	1.013	.3341	-1.154
28	.156	1.343	1.343	1.013	.3341	-1.154
29	.161	1.137	1.137	1.013	.3341	-1.154
30	.167	1.1140	1.1140	1.013	.3341	-1.154
31	.172	1.071	1.071	1.013	.3341	-1.154
32	.178	1.0747	1.0747	1.013	.3341	-1.154
33	.183	1.0784	1.0784	1.013	.3341	-1.154
34	.189	1.0819	1.0819	1.013	.3341	-1.154
35	.194	1.0857	1.0857	1.013	.3341	-1.154
36	.200	1.0894	1.0894	1.013	.3341	-1.154
37	.206	1.0932	1.0932	1.013	.3341	-1.154
38	.211	1.0971	1.0971	1.013	.3341	-1.154
39	.217	1.1010	1.1010	1.013	.3341	-1.154
40	.222	1.1050	1.1050	1.013	.3341	-1.154
41	.228	1.1090	1.1090	1.013	.3341	-1.154
42	.233	1.1130	1.1130	1.013	.3341	-1.154
43	.239	1.1170	1.1170	1.013	.3341	-1.154
44	.244	1.1210	1.1210	1.013	.3341	-1.154
45	.250	1.1250	1.1250	1.013	.3341	-1.154
46	.256	1.1290	1.1290	1.013	.3341	-1.154
47	.261	1.1330	1.1330	1.013	.3341	-1.154
48	.267	1.1370	1.1370	1.013	.3341	-1.154
49	.272	1.1410	1.1410	1.013	.3341	-1.154
50	.278	1.1450	1.1450	1.013	.3341	-1.154
51	.283	1.1490	1.1490	1.013	.3341	-1.154
52	.289	1.1530	1.1530	1.013	.3341	-1.154
53	.294	1.1570	1.1570	1.013	.3341	-1.154
54	.300	1.1610	1.1610	1.013	.3341	-1.154
55	.306	1.1650	1.1650	1.013	.3341	-1.154
56	.311	1.1690	1.1690	1.013	.3341	-1.154
57	.317	1.1730	1.1730	1.013	.3341	-1.154
58	.322	1.1770	1.1770	1.013	.3341	-1.154
59	.328	1.1810	1.1810	1.013	.3341	-1.154
60	.333	1.1850	1.1850	1.013	.3341	-1.154

11/12/59

JMC148

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3
 AVERAGE = .000000
 CORR. VAR. = 26.1
 NOISE LEVEL = .0105
 WIND SPEED = 50



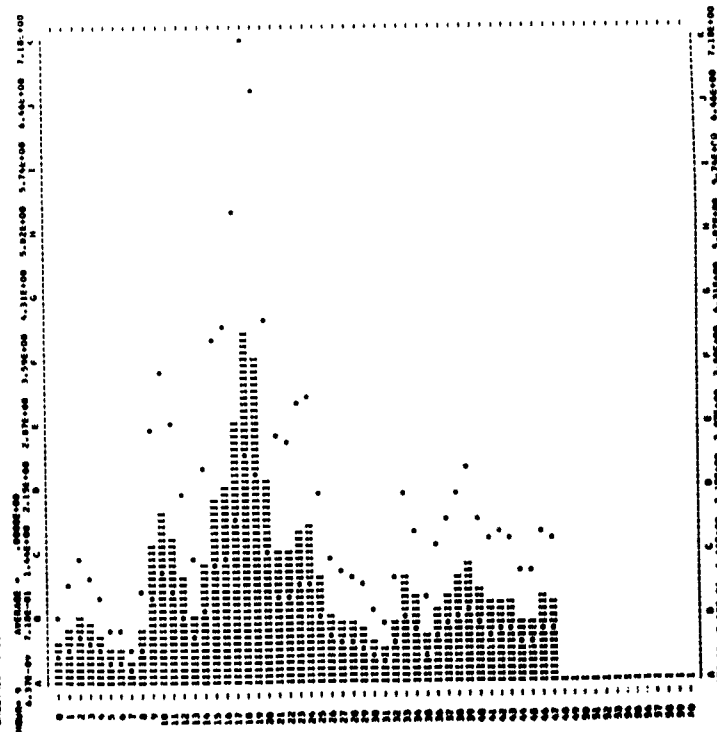
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12 59 AV. T = 7.1 RECORD = JMC144
 HOUR = 0 SIG.MGT. = 29.4 UPPER HGT. = 31.4
 TOTAL DP = 324 CORR. VAR. = 56.1 LOWER HGT. = 27.6
 NOISE LEVEL = .0371 WIND SPEED = 45

N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	1.4371	1.4371	1.3998	.7349	-2.546
1	.004	1.6268	1.6268	1.5893	1.0866	-1.754
2	.011	1.7810	1.7810	1.7437	1.3708	-1.476
3	.017	1.6766	1.6766	1.6393	1.1784	-1.071
4	.022	1.5487	1.5487	1.5114	1.0426	-1.236
5	.026	1.3643	1.3643	1.2900	1.0064	-2.095
6	.033	1.2400	1.2400	1.2027	1.3275	-1.637
7	.039	1.1855	1.1855	1.1482	1.2037	-1.207
8	.044	1.0806	1.0806	1.0433	1.5210	-1.815
9	.050	1.3233	1.3233	1.2860	1.9106	-2.784
10	.056	1.6090	1.6090	1.5717	1.8928	-3.470
11	.061	1.4316	1.4316	1.3943	1.3743	1.981
12	.067	1.0359	1.0359	1.0006	1.1327	2.0878
13	.072	1.6792	1.6792	1.6419	1.6112	1.3662
14	.078	1.1648	1.1648	1.1275	1.2833	2.3837
15	.083	1.6998	1.6998	1.6625	2.0456	3.7703
16	.089	1.7131	1.7131	1.6758	2.1326	3.9675
17	.094	2.1399	2.1399	2.1026	2.8610	5.2732
18	.100	2.7651	2.7651	2.7278	3.8945	7.1782
19	.106	2.3886	2.3886	2.3513	3.5724	6.1884
20	.111	1.3909	1.3909	1.3536	2.1984	4.0520
21	.117	1.0794	1.0794	1.0421	1.4490	2.7076
22	.122	1.0953	1.0953	1.0580	1.4460	2.6652
23	.128	1.0509	1.0509	1.0136	1.6773	3.0816
24	.133	1.0881	1.0881	1.0508	1.7145	3.1601
25	.139	1.0682	1.0682	1.0309	1.1176	2.0596
26	.144	1.0107	1.0107	0.9734	1.7332	3.3883
27	.150	1.2477	1.2477	1.2104	1.8003	1.2538
28	.156	1.2289	1.2289	1.1916	1.6271	1.1558
29	.161	1.1079	1.1079	1.0686	1.5849	1.0790
30	.167	1.1463	1.1463	1.1070	1.4439	1.0181
31	.172	1.1180	1.1180	1.0787	1.3685	1.0782
32	.178	1.1602	1.1602	1.1179	1.6329	1.1666
33	.183	1.2324	1.2324	1.1951	1.1354	2.0927
34	.189	1.1745	1.1745	1.1372	1.0075	1.6727
35	.194	1.1628	1.1628	1.1229	1.0139	1.1495
36	.200	1.1320	1.1320	1.0947	1.0178	1.5073
37	.206	1.1943	1.1943	1.1570	1.0621	1.7736
38	.211	1.1979	1.1979	1.1607	1.1614	2.1837
39	.217	1.1307	1.1307	1.0934	1.2661	2.3337
40	.222	1.0936	1.0936	1.0563	1.0099	1.7867
41	.228	1.0610	1.0610	1.0192	1.0409	1.5662
42	.233	1.0600	1.0600	1.0182	1.0796	1.6212
43	.239	1.0190	1.0190	0.9819	1.0493	1.5656
44	.244	1.0379	1.0379	0.9982	1.0739	1.2413
45	.250	1.0110	1.0110	0.9740	1.0560	1.2090
46	.256	1.0632	1.0632	1.0219	1.0096	1.0765
47	.261	1.0806	1.0806	1.0382	1.0981	1.3817
48	.267	1.0806	1.0806	1.0382	1.0116	1.0030
49	.272	1.0913	1.0913	1.0489	1.0943	1.0083
50	.278	1.0900	1.0900	1.0476	1.0770	1.0143
51	.283	1.0911	1.0911	1.0487	1.0644	1.0060
52	.289	1.0976	1.0976	1.0552	1.0625	1.0047
53	.294	1.0466	1.0466	1.0041	1.0631	1.0017
54	.300	1.0466	1.0466	1.0041	1.0000	1.0000
55	.306	1.0466	1.0466	1.0041	1.0000	1.0000
56	.311	1.0466	1.0466	1.0041	1.0000	1.0000
57	.317	1.0466	1.0466	1.0041	1.0000	1.0000
58	.322	1.0466	1.0466	1.0041	1.0000	1.0000
59	.328	1.0466	1.0466	1.0041	1.0000	1.0000
60	.333	1.0466	1.0466	1.0041	1.0000	1.0000

11/12/59

JMC144
 SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0
 AVERAGE = .000000
 CORR. VAR. = 56.1
 NOISE LEVEL = .0371
 WIND SPEED = 45

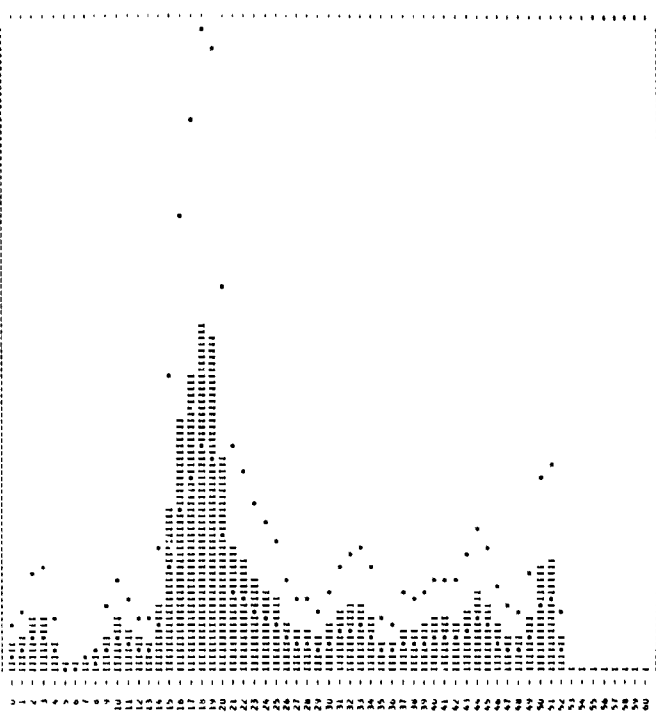


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T = 6.4 RECORD = JMC167
 HOUR = 12 SIG.MGT. = 32.6 UPPER MGT. = 35.0
 TOTAL DF = 253 CURR. VAR. = 66.2 LOWER MGT. = 30.3
 NOISE LEVEL = .0339 WIND SPEED = 49

H	FAL.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4551	.4551	.4212	.4212	.7764	.2682
1	.006	.5612	.5612	.5273	.5273	.8720	.3598
2	.011	.6131	.6131	.5792	.5792	.9206	.4548
3	.017	.6818	.6818	.6319	.6319	.9719	.5548
4	.022	.7473	.7473	.6834	.6834	.10173	.6584
5	.028	.8103	.8103	.7344	.7344	.11556	.7638
6	.033	.8711	.8711	.7851	.7851	.12919	.8700
7	.039	.9339	.9339	.8356	.8356	.14264	.9768
8	.046	.9987	.9987	.8859	.8859	.15591	.1082
9	.050	.1062	.1062	.9361	.9361	.16900	.1200
10	.056	.1147	.1147	.9862	.9862	.18191	.1322
11	.061	.1231	.1231	.10371	.10371	.19464	.1447
12	.067	.1314	.1314	.11121	.11121	.20719	.1574
13	.072	.1397	.1397	.11871	.11871	.21964	.1702
14	.078	.1479	.1479	.12621	.12621	.23191	.1830
15	.083	.1561	.1561	.13371	.13371	.24404	.1958
16	.089	.1642	.1642	.14121	.14121	.25604	.2086
17	.096	.1723	.1723	.14871	.14871	.26791	.2214
18	.100	.1804	.1804	.15621	.15621	.27964	.2342
19	.106	.1885	.1885	.16371	.16371	.29124	.2470
20	.111	.1966	.1966	.17121	.17121	.30271	.2598
21	.117	.2047	.2047	.17871	.17871	.31404	.2726
22	.122	.2128	.2128	.18621	.18621	.32524	.2854
23	.128	.2209	.2209	.19371	.19371	.33634	.2982
24	.133	.2290	.2290	.20121	.20121	.34734	.3110
25	.139	.2371	.2371	.20871	.20871	.35824	.3238
26	.144	.2452	.2452	.21621	.21621	.36904	.3366
27	.150	.2533	.2533	.22371	.22371	.37974	.3494
28	.156	.2614	.2614	.23121	.23121	.39034	.3622
29	.161	.2695	.2695	.23871	.23871	.40084	.3750
30	.167	.2776	.2776	.24621	.24621	.41124	.3878
31	.172	.2857	.2857	.25371	.25371	.42154	.4006
32	.178	.2938	.2938	.26121	.26121	.43174	.4134
33	.183	.3019	.3019	.26871	.26871	.44184	.4262
34	.189	.3100	.3100	.27621	.27621	.45184	.4390
35	.196	.3181	.3181	.28371	.28371	.46174	.4518
36	.200	.3262	.3262	.29121	.29121	.47154	.4646
37	.206	.3343	.3343	.29871	.29871	.48124	.4774
38	.211	.3424	.3424	.30621	.30621	.49084	.4902
39	.217	.3505	.3505	.31371	.31371	.50034	.5030
40	.222	.3586	.3586	.32121	.32121	.50974	.5158
41	.228	.3667	.3667	.32871	.32871	.51904	.5286
42	.233	.3748	.3748	.33621	.33621	.52824	.5414
43	.239	.3829	.3829	.34371	.34371	.53734	.5542
44	.244	.3910	.3910	.35121	.35121	.54634	.5670
45	.250	.3991	.3991	.35871	.35871	.55524	.5798
46	.256	.4072	.4072	.36621	.36621	.56404	.5926
47	.261	.4153	.4153	.37371	.37371	.57274	.6054
48	.267	.4234	.4234	.38121	.38121	.58134	.6182
49	.272	.4315	.4315	.38871	.38871	.58984	.6310
50	.278	.4396	.4396	.39621	.39621	.59824	.6438
51	.283	.4477	.4477	.40371	.40371	.60654	.6566
52	.289	.4558	.4558	.41121	.41121	.61474	.6694
53	.294	.4639	.4639	.41871	.41871	.62284	.6822
54	.300	.4720	.4720	.42621	.42621	.63084	.6950
55	.306	.4801	.4801	.43371	.43371	.63874	.7078
56	.311	.4882	.4882	.44121	.44121	.64654	.7206
57	.317	.4963	.4963	.44871	.44871	.65424	.7334
58	.322	.5044	.5044	.45621	.45621	.66184	.7462
59	.328	.5125	.5125	.46371	.46371	.66934	.7590
60	.333	.5206	.5206	.47121	.47121	.67674	.7718

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
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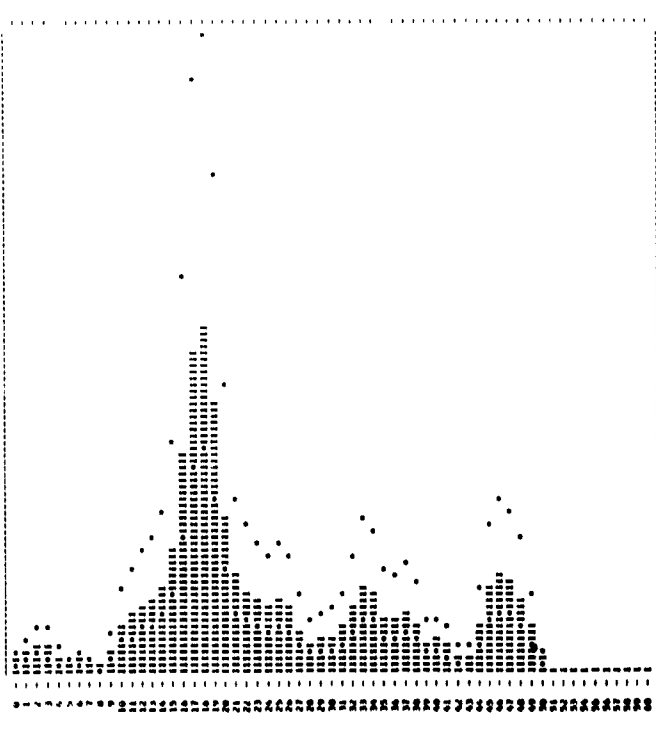


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T = 6.7 RECORD = JMC168
 HOUR = 15 SIG.MGT. = 30.5 UPPER MGT. = 32.9
 TOTAL DF = 238 CURR. VAR. = 48.1 LOWER MGT. = 28.4
 NOISE LEVEL = .0345 WIND SPEED = 35

H	FAL.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1487	.1487	.1482	.1482	.3026	.1045
1	.006	.3065	.3065	.2720	.2720	.3113	.1732
2	.011	.4602	.4602	.4257	.4257	.3184	.2711
3	.017	.6139	.6139	.5792	.5792	.3236	.3639
4	.022	.7676	.7676	.7183	.7183	.3278	.4567
5	.028	.9213	.9213	.8690	.8690	.3310	.5495
6	.033	.1075	.1075	.1071	.1071	.3332	.6423
7	.039	.1237	.1237	.1233	.1233	.3354	.7351
8	.044	.1400	.1400	.1400	.1400	.3376	.8279
9	.050	.1562	.1562	.1562	.1562	.3398	.9207
10	.056	.1724	.1724	.1724	.1724	.3420	.1014
11	.061	.1886	.1886	.1886	.1886	.3442	.1126
12	.067	.2048	.2048	.2048	.2048	.3464	.1238
13	.072	.2210	.2210	.2210	.2210	.3486	.1350
14	.078	.2372	.2372	.2372	.2372	.3508	.1462
15	.083	.2534	.2534	.2534	.2534	.3530	.1574
16	.089	.2696	.2696	.2696	.2696	.3552	.1686
17	.096	.2858	.2858	.2858	.2858	.3574	.1798
18	.100	.3020	.3020	.3020	.3020	.3596	.1910
19	.106	.3182	.3182	.3182	.3182	.3618	.2022
20	.111	.3344	.3344	.3344	.3344	.3640	.2134
21	.117	.3506	.3506	.3506	.3506	.3662	.2246
22	.122	.3668	.3668	.3668	.3668	.3684	.2358
23	.128	.3830	.3830	.3830	.3830	.3706	.2470
24	.133	.3992	.3992	.3992	.3992	.3728	.2582
25	.139	.4154	.4154	.4154	.4154	.3750	.2694
26	.144	.4316	.4316	.4316	.4316	.3772	.2806
27	.150	.4478	.4478	.4478	.4478	.3794	.2918
28	.156	.4640	.4640	.4640	.4640	.3816	.3030
29	.161	.4802	.4802	.4802	.4802	.3838	.3142
30	.167	.4964	.4964	.4964	.4964	.3860	.3254
31	.172	.5126	.5126	.5126	.5126	.3882	.3366
32	.178	.5288	.5288	.5288	.5288	.3904	.3478
33	.183	.5450	.5450	.5450	.5450	.3926	.3590
34	.189	.5612	.5612	.5612	.5612	.3948	.3702
35	.196	.5774	.5774	.5774	.5774	.3970	.3814
36	.200	.5936	.5936	.5936	.5936	.3992	.3926
37	.206	.6098	.6098	.6098	.6098	.4014	.4038
38	.211	.6260	.6260	.6260	.6260	.4036	.4150
39	.217	.6422	.6422	.6422	.6422	.4058	.4262
40	.222	.6584	.6584	.6584	.6584	.4080	.4374
41	.228	.6746	.6746	.6746	.6746	.4102	.4486
42	.233	.6908	.6908	.6908	.6908	.4124	.4598
43	.239	.7070	.7070	.7070	.7070	.4146	.4710
44	.244	.7232	.7232	.7232	.7232	.4168	.4822
45	.250	.7394	.7394	.7394	.7394	.4190	.4934
46	.256	.7556	.7556	.7556	.7556	.4212	.5046
47	.261	.7718	.7718	.7718	.7718	.4234	.5158
48	.267	.7880	.7880	.7880	.7880	.4256	.5270
49	.272	.8042	.8042	.8042	.8042	.4278	.5382
50	.278	.8204	.8204	.8204	.8204	.4300	.5494
51	.283	.8366	.8366	.8366	.8366	.4322	.5606
52	.289	.8528	.8528	.8528	.8528	.4344	.5718
53	.294	.8690	.8690	.8690	.8690	.4366	.5830
54	.300	.8852	.8852	.8852	.8852	.4388	.5942
55	.306	.9014	.9014	.9014	.9014	.4410	.6054
56	.311	.9176	.9176	.9176	.9176	.4432	.6166
57	.317	.9338	.9338	.9338	.9338	.4454	.6278
58	.322	.9500	.9500	.9500	.9500	.4476	.6390
59	.328	.9662	.9662	.9662	.9662	.4498	.6502
60	.333	.9824	.9824	.9824	.9824	.4520	.6614

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
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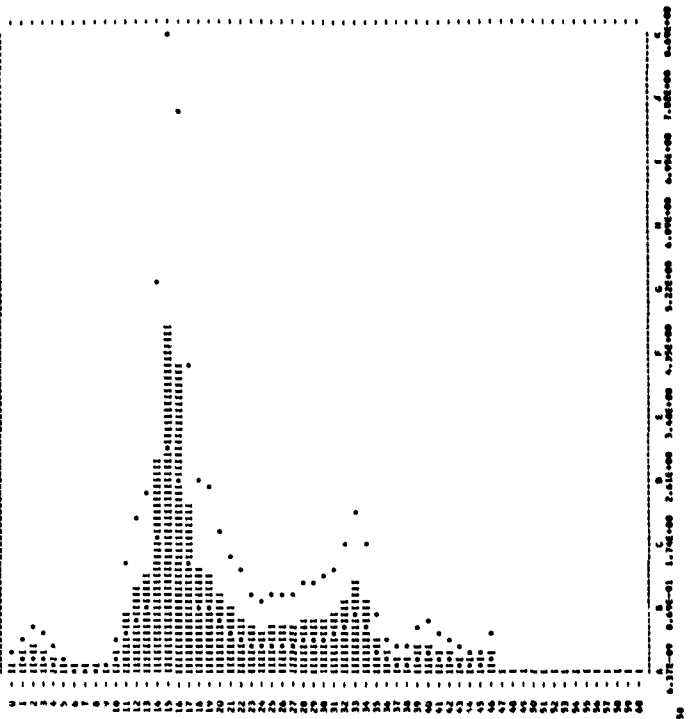


SHOBTMO HINACASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/12/55 AV. T = 7.0 RECORD = JMC169
 HOUR = 10 SIG. HGT. = 26.0 UPPER HGT. = 26.1
 TOTAL DP = 104 CORR. VBL. = 30.0 LOWER HGT. = 22.1
 NOISE LEVEL = .0104 WIND SPEED = 10

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	-1410	-1410	-1294	-1294	-2311	-0700
1	.006	-2400	-2400	-2280	-2280	-4264	-1267
2	.011	-3261	-3261	-3077	-3077	-5671	-1909
3	.017	-4032	-4032	-3768	-3768	-7467	-2609
4	.022	-4710	-4710	-4426	-4426	-9664	-3369
5	.028	-5304	-5304	-4950	-4950	-12264	-4189
6	.033	-5823	-5823	-5449	-5449	-15264	-5069
7	.039	-6267	-6267	-5923	-5923	-18664	-5989
8	.044	-6736	-6736	-6372	-6372	-22464	-6949
9	.050	-7130	-7130	-6796	-6796	-26664	-7949
10	.056	-7548	-7548	-7196	-7196	-31264	-8989
11	.061	-7990	-7990	-7672	-7672	-36264	-10069
12	.067	-8456	-8456	-8124	-8124	-41664	-11189
13	.072	-8946	-8946	-8652	-8652	-47464	-12349
14	.078	-9460	-9460	-9156	-9156	-53664	-13549
15	.083	-9998	-9998	-9636	-9636	-60264	-14789
16	.089	-10560	-10560	-10092	-10092	-67264	-16069
17	.094	-11146	-11146	-10624	-10624	-74664	-17389
18	.100	-11756	-11756	-11132	-11132	-82464	-18749
19	.106	-12390	-12390	-11716	-11716	-90664	-20149
20	.111	-13048	-13048	-12276	-12276	-99264	-21589
21	.117	-13730	-13730	-12912	-12912	-108264	-23069
22	.122	-14436	-14436	-13524	-13524	-117664	-24589
23	.128	-15166	-15166	-14112	-14112	-127464	-26149
24	.133	-15920	-15920	-14676	-14676	-137664	-27749
25	.139	-16698	-16698	-15216	-15216	-148264	-29389
26	.144	-17500	-17500	-15732	-15732	-159264	-31069
27	.150	-18326	-18326	-16224	-16224	-170664	-32789
28	.156	-19176	-19176	-16692	-16692	-182464	-34549
29	.161	-20048	-20048	-17136	-17136	-194664	-36349
30	.167	-20942	-20942	-17556	-17556	-207264	-38189
31	.172	-21858	-21858	-17952	-17952	-220264	-40069
32	.178	-22796	-22796	-18324	-18324	-233664	-41989
33	.183	-23756	-23756	-18672	-18672	-247464	-43949
34	.189	-24738	-24738	-19096	-19096	-261664	-45949
35	.194	-25742	-25742	-19496	-19496	-276264	-47989
36	.200	-26768	-26768	-19872	-19872	-291264	-49969
37	.206	-27816	-27816	-20224	-20224	-306664	-51989
38	.211	-28886	-28886	-20552	-20552	-322464	-53949
39	.217	-29978	-29978	-20856	-20856	-338664	-55949
40	.222	-31092	-31092	-21136	-21136	-355264	-57989
41	.228	-32228	-32228	-21492	-21492	-372264	-59969
42	.233	-33386	-33386	-21824	-21824	-389664	-61989
43	.239	-34566	-34566	-22132	-22132	-407464	-63949
44	.244	-35768	-35768	-22416	-22416	-425664	-65949
45	.250	-36992	-36992	-22676	-22676	-444264	-67989
46	.256	-38238	-38238	-22912	-22912	-463264	-69969
47	.261	-39506	-39506	-23124	-23124	-482664	-71989
48	.267	-40796	-40796	-23312	-23312	-502464	-73949
49	.272	-42108	-42108	-23476	-23476	-522664	-75949
50	.278	-43442	-43442	-23616	-23616	-543264	-77989
51	.283	-44798	-44798	-23732	-23732	-564264	-79969
52	.289	-46176	-46176	-23824	-23824	-585664	-81989
53	.294	-47576	-47576	-23896	-23896	-607464	-83949
54	.300	-49000	-49000	-23948	-23948	-629664	-85949
55	.306	-50448	-50448	-23984	-23984	-652264	-87989
56	.311	-51920	-51920	-23996	-23996	-675264	-89969
57	.317	-53416	-53416	-23992	-23992	-698664	-91989
58	.322	-54936	-54936	-23972	-23972	-722464	-93949
59	.328	-56480	-56480	-23936	-23936	-746664	-95949
60	.333	-58048	-58048	-23884	-23884	-771264	-97989

SHOBTMO HINACASTING SPECTRA COMPUTED MARCH 1963
 JMC169 11/12/55
 HOURS: 0 0.100 0.200 0.300 0.400 0.500 0.600 0.700 0.800 0.900 1.000
 AVERAGE: 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000
 MIN: 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000
 MAX: 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000

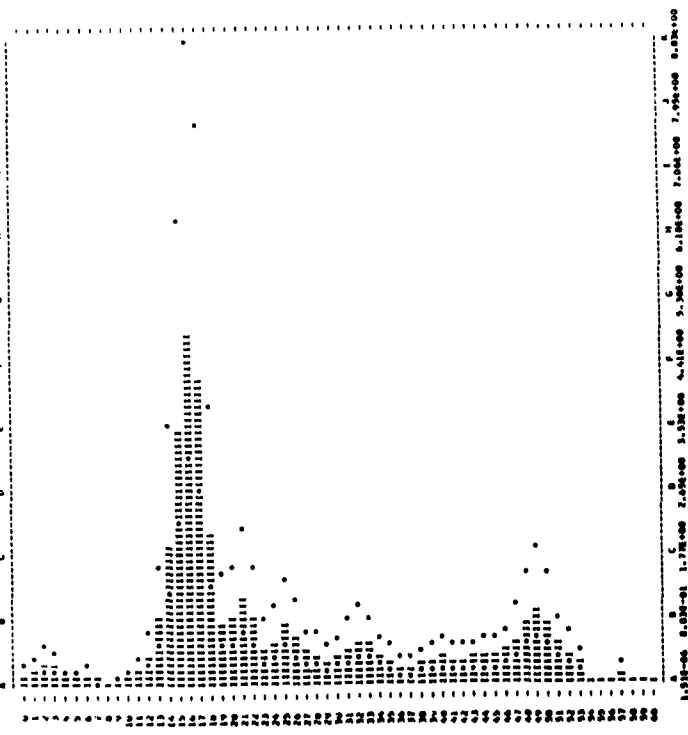


HINACASTING SPECTRA COMPUTED JAN. 1963

DATE = 11/12/55 AV. T = 6.6 RECORD = JMC170
 HOUR = 21 SIG. HGT. = 24.2 UPPER HGT. = 26.3
 TOTAL DP = 185 CORR. VBL. = 36.5 LOWER HGT. = 22.2
 NOISE LEVEL = .0104 WIND SPEED = 10

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	-1315	-1315	-1210	-1210	-2231	-0771
1	.006	-2196	-2196	-2094	-2094	-3880	-1333
2	.011	-3081	-3081	-2987	-2987	-5449	-1883
3	.017	-3972	-3972	-3796	-3796	-7036	-2433
4	.022	-4869	-4869	-4611	-4611	-8642	-2983
5	.028	-5772	-5772	-5364	-5364	-10266	-3533
6	.033	-6681	-6681	-6024	-6024	-11906	-4083
7	.039	-7596	-7596	-6690	-6690	-13562	-4633
8	.044	-8516	-8516	-7362	-7362	-15234	-5183
9	.050	-9441	-9441	-7940	-7940	-16922	-5733
10	.056	-10372	-10372	-8524	-8524	-18626	-6283
11	.061	-11318	-11318	-9114	-9114	-20346	-6833
12	.067	-12279	-12279	-9710	-9710	-22082	-7383
13	.072	-13256	-13256	-10312	-10312	-23834	-7933
14	.078	-14248	-14248	-10920	-10920	-25602	-8483
15	.083	-15256	-15256	-11534	-11534	-27386	-9033
16	.089	-16280	-16280	-12154	-12154	-29186	-9583
17	.094	-17320	-17320	-12780	-12780	-30992	-10133
18	.100	-18376	-18376	-13412	-13412	-32814	-10683
19	.106	-19448	-19448	-14050	-14050	-34652	-11233
20	.111	-20536	-20536	-14694	-14694	-36506	-11783
21	.117	-21640	-21640	-15344	-15344	-38376	-12333
22	.122	-22760	-22760	-15999	-15999	-40262	-12883
23	.128	-23896	-23896	-16660	-16660	-42164	-13433
24	.133	-25048	-25048	-17326	-17326	-44082	-13983
25	.139	-26216	-26216	-17998	-17998	-46016	-14533
26	.144	-27398	-27398	-18676	-18676	-47966	-15083
27	.150	-28596	-28596	-19360	-19360	-49932	-15633
28	.156	-29810	-29810	-20050	-20050	-51914	-16183
29	.161	-31040	-31040	-20746	-20746	-53912	-16733
30	.167	-32286	-32286	-21448	-21448	-55926	-17283
31	.172	-33548	-33548	-22156	-22156	-57956	-17833
32	.178	-34826	-34826	-22870	-22870	-60002	-18383
33	.183	-36120	-36120	-23589	-23589	-62064	-18933
34	.189	-37430	-37430	-24314	-24314	-64142	-19483
35	.194	-38756	-38756	-25044	-25044	-66236	-20033
36	.200	-40098	-40098	-25779	-25779	-68346	-20583
37	.206	-41456	-41456	-26519	-26519	-70472	-21133
38	.211	-42830	-42830	-27264	-27264	-72614	-21683
39	.217	-44220	-44220	-28014	-28014	-74772	-22233
40	.222	-45626	-45626	-28769	-28769	-76946	-22783
41	.228	-47048	-47048	-29529	-29529	-79136	-23333
42	.233	-48486	-48486	-30294	-30294	-81342	-23883
43	.239	-49940	-49940	-31064	-31064	-83564	-24433
44	.244	-51410	-51410	-31839	-31839	-85802	-24983
45	.250	-52896	-52896	-32619	-32619	-88056	-25533
46	.256	-54398	-54398	-33404	-33404	-90326	-26083
47	.261	-55916	-55916	-34194	-34194	-92612	-26633
48	.267	-57450	-57450	-34989	-34989	-94914	-27183
49	.272	-59000	-59000	-35789	-35789	-97232	-27733
50	.278	-60566	-60566	-36594	-36594	-99566	-28283
51	.283	-62148	-62148	-37404	-37404	-101916	-28833
52	.289	-63746	-63746	-38219	-38219	-104282	-29383
53	.294	-65360	-65360	-39039	-39039	-106664	-29933
54	.300	-66990	-66990	-39864	-39864	-109062	-30483
55	.306	-68636	-68636	-40694	-40694	-111476	-31033
56	.311	-70298	-70298	-41529	-41529	-113906	-31583
57	.317	-71976	-71976	-42369	-42369	-116352	-32133
58	.322	-73670	-73670	-43214	-43214	-118814	-32683
59	.328	-75380	-75380	-44064	-44064	-121292	-33233
60	.333	-77106	-77106	-44919	-44919	-123786	-33783

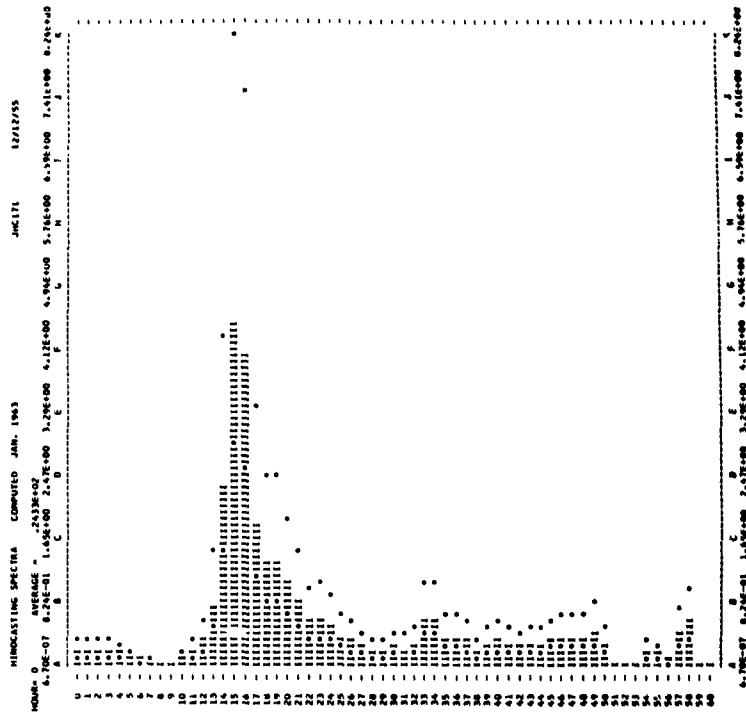
HINACASTING SPECTRA COMPUTED JAN. 1963
 JMC170 11/12/55
 HOURS: 0 0.100 0.200 0.300 0.400 0.500 0.600 0.700 0.800 0.900 1.000
 AVERAGE: 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000
 MIN: 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000
 MAX: 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000 0.000000



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/12/55 AV. T = 6.7 RECORD = JMC171
 HOUR = 0 SIG.HGT. = 22.1 UPPER HGT. = 26.2
 TOTAL DP = 10 CORR. VAL. = 30.4 LOWER HGT. = 02.2
 NOISE LEVEL = .0057 WIND SPEED = 10

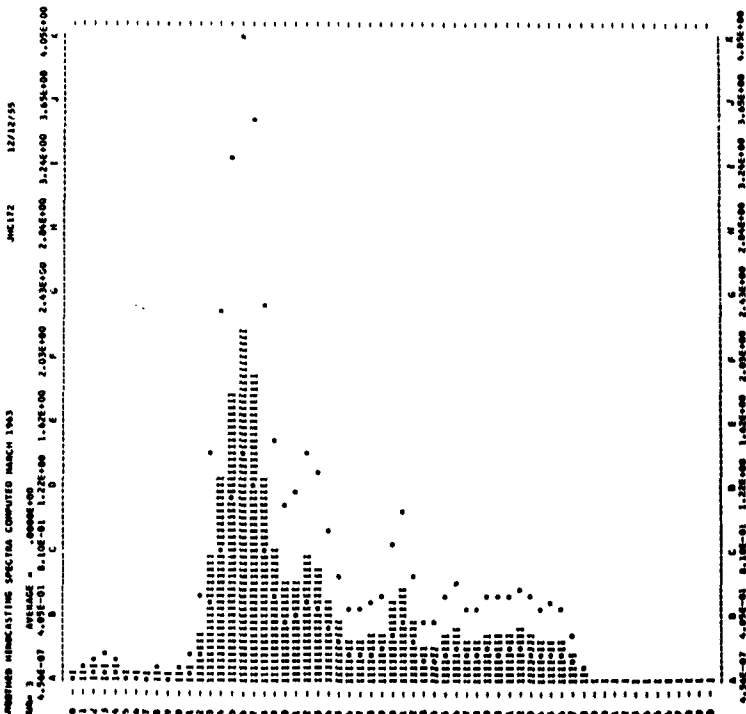
H	PRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	-1799	-1799	-1742	-1742	-1109
1	.006	-1996	-1996	-1939	-1939	-1235
2	.011	-1989	-1989	-1931	-1931	-1230
3	.017	-1894	-1894	-1827	-1827	-1143
4	.022	-1870	-1870	-1820	-1820	-1040
5	.028	-0600	-0600	-0751	-0751	-1384
6	.033	-0440	-0440	-0382	-0417	-1139
7	.039	-0274	-0274	-0223	-0164	-0584
8	.044	-0153	-0153	-0096	-0119	-0270
9	.049	-0094	-0094	-0037	-0063	-0040
10	.056	-0732	-0732	-6674	-6704	-1417
11	.061	-1463	-1463	-1405	-1417	-3340
12	.067	-2414	-2414	-2351	-2332	-1994
13	.072	-4831	-4831	-4773	-4821	-4416
14	.078	-19467	-19467	-19410	-23034	-24605
15	.083	34372	34372	34315	44882	62359
16	.089	31552	31552	31494	40434	74583
17	.094	13563	13563	13505	18237	33816
18	.100	8938	8938	8931	11393	24880
19	.106	8995	8995	8937	11358	25027
20	.111	8461	8461	8403	11000	19198
21	.117	4428	4428	4369	7870	14890
22	.122	2997	2997	2939	5534	10200
23	.128	2803	2803	2746	5605	10332
24	.133	2229	2229	2171	4821	8901
25	.139	1565	1565	1507	3670	6784
26	.144	1230	1230	1173	3139	5795
27	.150	803	803	745	2200	4095
28	.156	0570	0570	0513	1678	3092
29	.161	0543	0543	0486	1769	3240
30	.167	0606	0606	0548	2221	4121
31	.172	0501	0501	0444	4026	3734
32	.178	0405	0405	0348	2820	3198
33	.183	1072	1072	1015	1903	1088
34	.189	0961	0961	0904	5978	11018
35	.194	0537	0537	0480	3614	3882
36	.200	0454	0454	0396	3423	3609
37	.206	0355	0355	0297	2950	3438
38	.211	0218	0218	0160	1834	2383
39	.217	0256	0256	0198	2632	4952
40	.222	0281	0281	0197	3034	5592
41	.228	0100	0100	0113	2737	3081
42	.233	0162	0162	0116	2434	4522
43	.239	0171	0162	0104	2591	4776
44	.244	0164	0164	0095	2708	5137
45	.250	0153	0152	0094	3276	6038
46	.256	0156	0145	0088	3647	6722
47	.261	0114	0114	0068	3378	6228
48	.267	0114	0114	0062	3400	6802
49	.272	0134	0119	0061	4373	8061
50	.278	0043	0043	0013	5216	1401
51	.283	0041	0053	0000	0000	0000
52	.289	0036	0041	0000	0000	0000
53	.294	0000	0000	0000	0000	0000
54	.300	0000	0000	0000	0000	0000
55	.306	0000	0000	0000	0000	0000
56	.311	0000	0000	0000	0000	0000
57	.317	0000	0000	0000	0000	0000
58	.322	0000	0000	0000	0000	0000
59	.328	0000	0000	0000	0000	0000
60	.333	0001	0047	0000	0000	0000



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/12/55 AV. T = 7.2 RECORD = JMC172
 HOUR = 3 SIG.HGT. = 18.2 UPPER HGT. = 19.7
 TOTAL DP = 211 CORR. VAL. = 20.8 LOWER HGT. = 16.8
 NOISE LEVEL = .0048 WIND SPEED = 15

H	PRE. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	-0326	-0326	-0278	-0278	-0512
1	.006	-0458	-0458	-0410	-0410	-0755
2	.011	-0749	-0749	-0701	-0701	-1291
3	.017	-0867	-0867	-0819	-0819	-1509
4	.022	-0699	-0699	-0651	-0651	-1125
5	.028	-0343	-0343	-0317	-0317	-0802
6	.033	-0212	-0212	-0184	-0264	-0487
7	.039	-0276	-0276	-0228	-0313	-0576
8	.044	-0382	-0382	-0334	-0419	-0766
9	.049	-0312	-0312	-0264	-0310	-0571
10	.056	-0440	-0440	-0400	-0458	-0940
11	.061	-0874	-0874	-0834	-0892	-1718
12	.067	-2540	-2540	-2492	-2820	-5209
13	.072	-6667	-6667	-6619	-7842	-14086
14	.078	10669	10669	10621	12407	23236
15	.083	14492	14492	14444	17771	32755
16	.089	17156	17156	17108	21975	40903
17	.094	14236	14236	14188	17159	31913
18	.100	8903	8903	8855	12642	23301
19	.106	5397	5397	5349	8126	14978
20	.111	3756	3756	3708	5018	10953
21	.117	3640	3640	3592	5255	11548
22	.122	4079	4079	4031	7889	13987
23	.128	3512	3512	3464	7071	13033
24	.133	2286	2286	2238	4977	9174
25	.139	1310	1310	1262	3359	6359
26	.144	0991	0991	0943	2329	4650
27	.150	0846	0846	0798	2355	4340
28	.156	0863	0863	0815	2666	4913
29	.161	0854	0854	0806	2934	5407
30	.167	1196	1196	1148	4664	8597
31	.172	1280	1280	1232	5623	10344
32	.178	0751	0751	0703	3618	6660
33	.183	0395	0395	0347	2017	3717
34	.189	0394	0394	0346	2021	3725
35	.194	0418	0418	0370	2786	5135
36	.200	0434	0434	0386	3329	6136
37	.206	0299	0299	0251	2485	4541
38	.211	0217	0217	0169	1562	2812
39	.217	0271	0271	0223	2954	5444
40	.222	0218	0229	0181	2793	5149
41	.228	0142	0142	0104	1911	3581
42	.233	0202	0193	0155	3052	5626
43	.239	0137	0159	0111	2759	5086
44	.244	0122	0131	0083	2132	4482
45	.250	0124	0121	0073	2536	4674
46	.256	0115	0100	0060	2491	4591
47	.261	0090	0081	0051	1640	3023
48	.267	0051	0057	0008	0496	0915
49	.272	0045	0044	0000	0000	0000
50	.278	0000	0000	0000	0000	0000
51	.283	0041	0044	0000	0000	0000
52	.289	0000	0000	0000	0000	0000
53	.294	0000	0000	0000	0000	0000
54	.300	0036	0037	0000	0000	0000
55	.306	0026	0029	0000	0000	0000
56	.311	0009	0033	0000	0000	0000
57	.317	0000	0000	0000	0000	0000
58	.322	0000	0002	0013	0013	0029
59	.328	0000	0000	0019	0019	0036
60	.333	0000	0000	0021	0021	0038

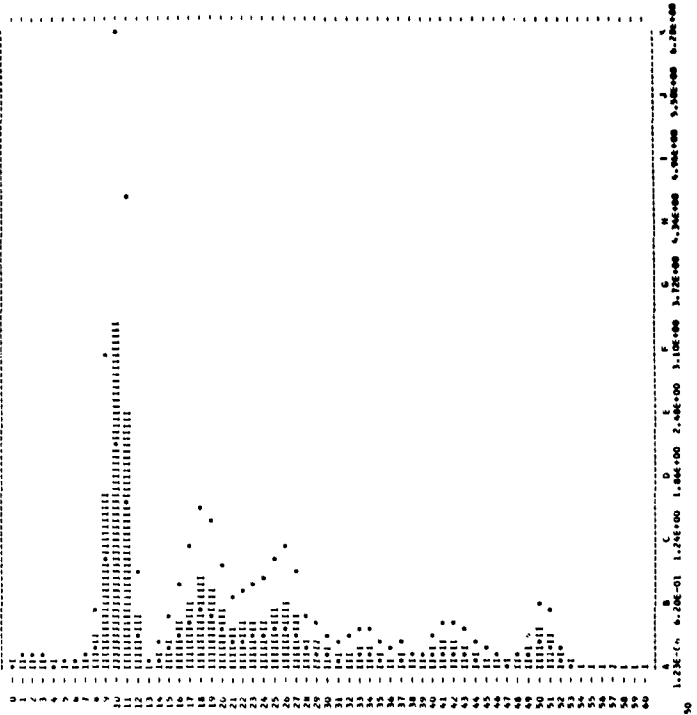


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 13/12/55 AV. T. = 7.7 RECORD = JMC175
 HOUR = 0 SIG. MGT. = 17.0 UPPER MGT. = 19.5
 TOTAL OF 193 CORR. V.M. = 15.7 LOWER MGT. = 16.2
 NOISE LEVEL = .0055 WIND SPEED = 15

H	FRE.	UNIT+PT.2	FILTERED	NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0449	.0449	.0394	.0394	.0726	.0251
1	.004	.0577	.0577	.0522	.0522	.0962	.0332
2	.011	.0663	.0663	.0608	.0608	.1120	.0387
3	.017	.0663	.0663	.0608	.0608	.1120	.0387
4	.022	.0604	.0604	.0549	.0549	.0927	.0268
5	.028	.0324	.0324	.0269	.0269	.0493	.0171
6	.033	.0175	.0175	.0120	.0120	.0193	.0057
7	.039	.0584	.0584	.0529	.0529	.0885	.0266
8	.044	.2368	.2368	.2313	.2313	.2880	.5308
9	.050	1.4022	1.4022	1.3997	1.4061	3.0302	1.0488
10	.056	2.9573	2.9578	2.9520	3.3650	6.2021	2.1426
11	.061	2.2124	2.2129	2.2074	2.4923	4.5938	1.5870
12	.067	.4955	.4955	.4900	.5104	.9408	.3250
13	.072	.0313	.0313	.0258	.0298	.0549	.0190
14	.078	.1102	.1102	.1047	.1242	.2290	.0791
15	.083	.2102	.2102	.2107	.2592	.4778	.1851
16	.089	.3484	.3484	.3429	.4406	.8118	.2804
17	.094	.4861	.4861	.4806	.6490	1.1961	.4132
18	.100	.5995	.5995	.5940	.8480	1.5830	.5400
19	.106	.5104	.5104	.5049	.7471	1.4138	.4884
20	.111	.3368	.3368	.3313	.5380	.9917	.3426
21	.117	.2286	.2286	.2231	.3856	.7108	.2456
22	.122	.2227	.2227	.2172	.4028	.7372	.2564
23	.128	.2732	.2732	.2677	.4444	.8191	.2830
24	.133	.2116	.2116	.2061	.4590	.8461	.2923
25	.139	.2380	.2380	.2325	.5412	1.0343	.3573
26	.144	.2383	.2383	.2328	.6230	1.1493	.3967
27	.150	.1712	.1712	.1657	.4691	.9015	.3114
28	.156	.0898	.0898	.0843	.2738	.5028	.1754
29	.161	.0649	.0649	.0614	.2235	.4119	.1423
30	.167	.0494	.0494	.0449	.1790	.3300	.1140
31	.172	.0331	.0331	.0276	.1739	.3322	.0802
32	.178	.0354	.0354	.0299	.1538	.2835	.0979
33	.183	.0389	.0389	.0334	.1619	.3537	.1222
34	.189	.0357	.0357	.0302	.1494	.3474	.1077
35	.194	.0216	.0216	.0161	.1212	.2233	.0772
36	.200	.0161	.0161	.0106	.0913	.1688	.0581
37	.206	.0181	.0181	.0126	.1247	.2298	.0746
38	.211	.0123	.0123	.0068	.0775	.1429	.0494
39	.217	.0117	.0117	.0062	.0814	.1510	.0527
40	.222	.0181	.0181	.0126	.1739	.3205	.1107
41	.228	.0193	.0193	.0138	.2292	.4224	.1459
42	.233	.0163	.0163	.0108	.2249	.4182	.1444
43	.239	.0132	.0132	.0077	.1906	.3513	.1214
44	.244	.0101	.0101	.0047	.1380	.2543	.0878
45	.250	.0085	.0085	.0029	.0879	.1820	.0580
46	.256	.0071	.0071	.0016	.0642	.1184	.0409
47	.261	.0064	.0064	.0009	.0458	.0845	.0292
48	.267	.0059	.0059	.0004	.0320	.0595	.0231
49	.272	.0080	.0080	.0024	.1442	.2666	.0914
50	.278	.0109	.0109	.0040	.1464	.2684	.0926
51	.283	.0083	.0083	.0028	.2918	.5373	.1858
52	.289	.0057	.0057	.0004	.1121	.2066	.0714
53	.294	.0059	.0059	.0003	.0431	.0795	.0275
54	.300	.0057	.0057	.0000	.0000	.0000	.0000
55	.306	.0048	.0048	.0000	.0000	.0000	.0000
56	.311	.0036	.0036	.0000	.0000	.0000	.0000
57	.317	.0037	.0037	.0000	.0000	.0000	.0000
58	.322	.0041	.0041	.0000	.0000	.0000	.0000
59	.328	.0045	.0045	.0007	.0007	.0012	.0004
60	.333	.0077	.0077	.0016	.0016	.0029	.0010

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0 AVERAGE = .00000000
 1.23E-06 6.20E-01 1.24E+00 1.26E+00 2.48E+00 3.10E+00 3.12E+00 4.34E+00 5.36E+00 5.78E+00 6.20E+00

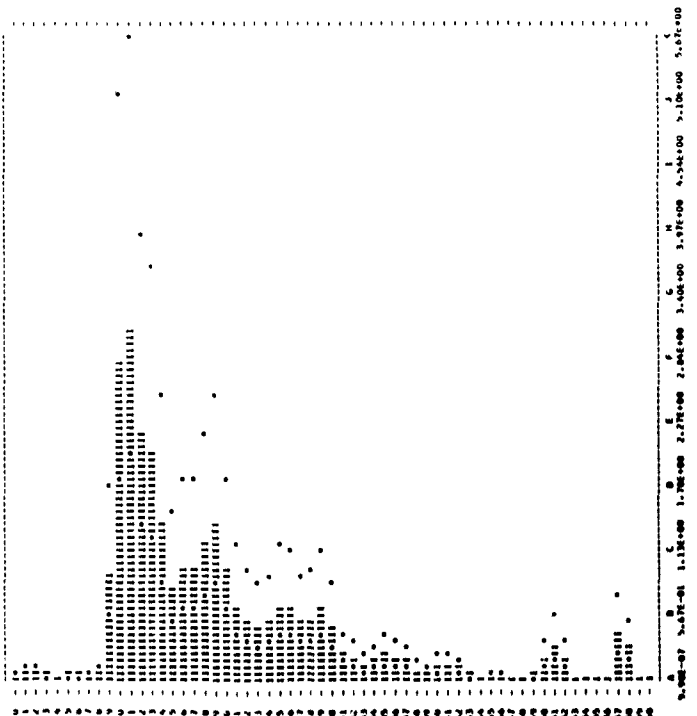


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 13/12/55 AV. T. = 7.1 RECORD = JMC176
 HOUR = 0 SIG. MGT. = 22.0 UPPER MGT. = 22.0
 TOTAL OF 194 CORR. V.M. = 27.4 LOWER MGT. = 19.3
 NOISE LEVEL = .0057 WIND SPEED = 14

H	FRE.	UNIT+PT.2	FILTERED	NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0339	.0339	.0284	.0284	.0519	.0179
1	.004	.0448	.0448	.0393	.0393	.0704	.0239
2	.011	.0738	.0738	.0683	.0683	.1254	.0433
3	.017	.0359	.0359	.0304	.0304	.0555	.0192
4	.022	.0210	.0210	.0155	.0155	.0281	.0097
5	.028	.0363	.0363	.0308	.0308	.0564	.0195
6	.033	.0297	.0297	.0242	.0242	.0414	.0147
7	.039	.0284	.0284	.0229	.0229	.0447	.0152
8	.044	.0577	.0577	.0522	.0522	.0822	.0266
9	.050	.7411	.7411	.7356	.9225	1.7003	.5874
10	.056	2.4489	2.4489	2.4434	2.7850	5.1333	1.7273
11	.061	2.7304	2.7304	2.7249	3.0765	5.6704	1.9589
12	.067	1.8668	1.8668	1.8613	2.1337	3.9327	1.3586
13	.072	1.1733	1.1733	1.1678	1.4763	3.4642	1.1586
14	.078	1.5755	1.5755	1.5699	1.8612	3.5088	.8667
15	.083	.6598	.6598	.6543	.8064	1.4833	.5124
16	.089	.7575	.7575	.7520	.9450	1.7757	.6144
17	.094	.7074	.7074	.7019	.8475	1.7464	.6033
18	.100	.8249	.8249	.8194	1.1626	2.1557	.7447
19	.106	.8917	.8917	.8862	1.3461	2.4810	.8571
20	.111	.6014	.6014	.5959	.7673	1.7830	.6124
21	.117	.3886	.3886	.3831	.4830	1.1067	.4030
22	.122	.2818	.2818	.2763	.3496	.7981	.3310
23	.128	.2296	.2296	.2241	.2859	.6422	.2610
24	.133	.2286	.2286	.2231	.4457	.7137	.3157
25	.139	.2846	.2846	.2791	.4830	.8162	.4017
26	.144	.2806	.2806	.2751	.4287	.7156	.4003
27	.150	.1718	.1718	.1663	.4901	.6033	.3121
28	.156	.1328	.1328	.1273	.5194	.6473	.3273
29	.161	.1740	.1740	.1685	.4804	.6159	.3855
30	.167	.1161	.1161	.1106	.4494	.4822	.2861
31	.172	.0367	.0367	.0312	.4233	.4114	.1442
32	.178	.0362	.0362	.0307	.4125	.4160	.1068
33	.183	.0281	.0281	.0226	.1301	.2398	.0828
34	.189	.0283	.0283	.0228	.1489	.2745	.0948
35	.194	.0332	.0332	.0277	.4287	.4381	.1317
36	.200	.0281	.0281	.0226	.1930	.3957	.1249
37	.206	.0201	.0201	.0146	.1424	.2429	.0908
38	.211	.0129	.0129	.0074	.0817	.1501	.0510
39	.217	.0113	.0113	.0058	.0732	.1350	.0486
40	.222	.0141	.0141	.0086	.1185	.2183	.0754
41	.228	.0143	.0143	.0088	.1274	.2472	.0855
42	.233	.0102	.0102	.0047	.0942	.1734	.0600
43	.239	.0067	.0067	.0013	.0322	.0544	.0205
44	.244	.0062	.0062	.0007	.0052	.0091	.0033
45	.250	.0063	.0063	.0004	.0194	.0245	.0098
46	.256	.0045	.0045	.0006	.0238	.0439	.0132
47	.261	.0040	.0040	.0000	.0120	.0222	.0078
48	.267	.0058	.0058	.0000	.0011	.0021	.0007
49	.272	.0040	.0040	.0005	.0388	.0715	.0247
50	.278	.0074	.0074	.0017	.1484	.1412	.1074
51	.283	.0086	.0086	.0028	.2989	.5509	.1903
52	.289	.0074	.0074	.0019	.1897	.3497	.1208
53	.294	.0062	.0062	.0004	.0000	.0000	.0000
54	.300	.0038	.0038	.0000	.0000	.0000	.0000
55	.306	.0046	.0046	.0000	.0000	.0000	.0000
56	.311	.0058	.0058	.0000	.0000	.0000	.0000
57	.317	.0074	.0074	.0011	.1906	.2790	.1487
58	.322	.0068	.0068	.0006	.2911	.5386	.1894
59	.328	.0064	.0064	.0000	.0000	.0000	.0000
60	.333	.0039	.0039	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 0 AVERAGE = .71864002
 3.46E-07 5.87E-01 1.13E+00 1.70E+00 2.77E+00 3.40E+00 3.40E+00 4.54E+00 5.10E+00 5.10E+00 6.20E+00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 13/12/55 AV. T = 9.1 RECORD = JMC177
 HOUR = 15 SIG.MET. = 18.5 UPPER MET. = 20.2
 TOTAL OF 177 CORR. V.M. = 11.1 LOWER MET. = 16.9
 NOISE LEVEL = .0033 WIND SPEED = 10

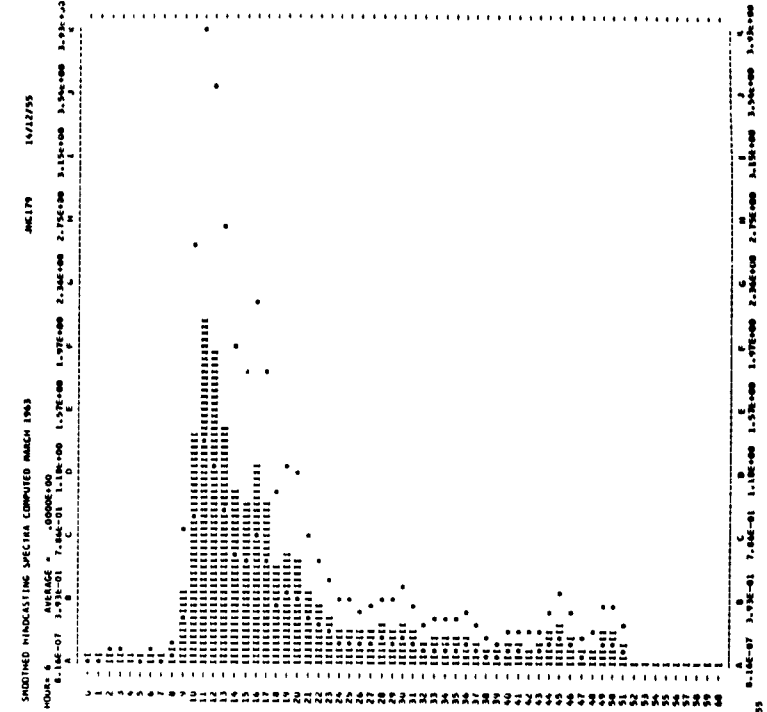
H	FREQ.	UNIT-FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0367	.0367	.0334	.0334	.0616	.0213
1	.000	.0647	.0647	.0614	.0614	.0764	.0284
2	.011	.0842	.0842	.0809	.0809	.0754	.0261
3	.017	.0915	.0915	.0882	.0882	.0920	.0190
4	.022	.0938	.0938	.0905	.0905	.0963	.0194
5	.028	.0824	.0824	.0791	.0791	.0721	.0249
6	.033	.0267	.0267	.0234	.0234	.0277	.0262
7	.039	.0194	.0194	.0161	.0161	.0222	.0409
8	.044	.0264	.0264	.0231	.0231	.0234	.0185
9	.050	.1905	.1905	.1872	.1872	.2199	.0556
10	.056	.9676	.9676	.9643	.9643	1.0764	1.3040
11	.061	1.8509	1.8509	1.8476	1.8476	2.0862	3.4451
12	.067	1.9592	1.9592	1.9559	1.9559	2.2186	4.0892
13	.072	1.8381	1.8381	1.8348	1.8348	2.1187	3.7050
14	.078	1.7330	1.7330	1.7297	1.7297	2.0532	3.7843
15	.083	1.1294	1.1294	1.1261	1.1261	1.3809	2.4652
16	.089	.6231	.6231	.6198	.6198	.7862	1.4075
17	.094	.5474	.5474	.5441	.5441	.7348	1.3543
18	.100	.5728	.5728	.5695	.5695	.8231	1.5171
19	.106	.5469	.5469	.5436	.5436	.8259	1.5223
20	.111	.4325	.4325	.4292	.4292	.6971	1.2849
21	.117	.3775	.3775	.3742	.3742	.6528	1.2032
22	.122	.3695	.3695	.3662	.3662	.6520	1.2570
23	.128	.3303	.3303	.3270	.3270	.6476	1.2306
24	.133	.2418	.2418	.2385	.2385	.5306	.9779
25	.139	.1275	.1275	.1242	.1242	.3024	.5024
26	.144	.0757	.0757	.0724	.0724	.1939	.3573
27	.150	.0886	.0886	.0853	.0853	.1929	.3555
28	.156	.0717	.0717	.0684	.0684	.1236	.3122
29	.161	.0697	.0697	.0664	.0664	.2419	.4439
30	.167	.0646	.0646	.0613	.0613	.1683	.3102
31	.172	.0390	.0390	.0357	.0357	.1187	.3007
32	.178	.0407	.0407	.0374	.0374	.1927	.3552
33	.183	.0314	.0314	.0281	.0281	.1637	.3017
34	.189	.0219	.0219	.0186	.0186	.1440	.2690
35	.194	.0320	.0320	.0287	.0287	.2166	.3992
36	.200	.0263	.0263	.0230	.0230	.1989	.3665
37	.206	.0203	.0203	.0170	.0170	.1687	.3113
38	.211	.0155	.0155	.0122	.0122	.1400	.2581
39	.217	.0133	.0133	.0100	.0100	.1131	.2154
40	.222	.0117	.0117	.0084	.0084	.1144	.2114
41	.228	.0074	.0074	.0041	.0041	.0911	.1679
42	.233	.0089	.0089	.0056	.0056	.1408	.2555
43	.239	.0042	.0042	.0009	.0009	.1064	.1947
44	.244	.0049	.0049	.0016	.0016	.0986	.1816
45	.250	.0045	.0045	.0012	.0012	.0947	.1762
46	.256	.0017	.0017	.0000	.0000	.0193	.0330
47	.261	.0030	.0030	.0000	.0000	.0000	.0000
48	.267	.0024	.0024	.0000	.0000	.0000	.0000
49	.272	.0012	.0012	.0000	.0000	.0000	.0000
50	.278	.0041	.0041	.0005	.0005	.0009	.0003
51	.283	.0036	.0036	.0004	.0004	.0007	.0002
52	.289	.0013	.0013	.0003	.0003	.0004	.0001
53	.294	.0041	.0041	.0008	.0008	.0015	.0005
54	.300	.0048	.0048	.0014	.0014	.0026	.0009
55	.306	.0050	.0050	.0014	.0014	.0026	.0009
56	.311	.0040	.0040	.0006	.0006	.0012	.0004
57	.317	.0026	.0026	.0000	.0000	.0000	.0000
58	.322	.0018	.0018	.0000	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000	.0000
60	.333	.0018	.0018	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 JMC177 13/12/55
 HOURS: 6.17E-09 6.09E-01 6.18E-01 1.23E+00 1.64E+00 2.05E+00 2.46E+00 2.87E+00 3.28E+00 3.69E+00 4.10E+00 4.51E+00 4.92E+00 5.33E+00 5.74E+00 6.15E+00 6.56E+00 6.97E+00 7.38E+00 7.79E+00 8.20E+00 8.61E+00 9.02E+00 9.43E+00 9.84E+00 10.25E+00 10.66E+00 11.07E+00 11.48E+00 11.89E+00 12.30E+00 12.71E+00 13.12E+00 13.53E+00 13.94E+00 14.35E+00 14.76E+00 15.17E+00 15.58E+00 15.99E+00 16.40E+00 16.81E+00 17.22E+00 17.63E+00 18.04E+00 18.45E+00 18.86E+00 19.27E+00 19.68E+00 20.09E+00 20.50E+00 20.91E+00 21.32E+00 21.73E+00 22.14E+00 22.55E+00 22.96E+00 23.37E+00 23.78E+00 24.19E+00 24.60E+00 25.01E+00 25.42E+00 25.83E+00 26.24E+00 26.65E+00 27.06E+00 27.47E+00 27.88E+00 28.29E+00 28.70E+00 29.11E+00 29.52E+00 29.93E+00 30.34E+00 30.75E+00 31.16E+00 31.57E+00 31.98E+00 32.39E+00 32.80E+00 33.21E+00 33.62E+00 34.03E+00 34.44E+00 34.85E+00 35.26E+00 35.67E+00 36.08E+00 36.49E+00 36.90E+00 37.31E+00 37.72E+00 38.13E+00 38.54E+00 38.95E+00 39.36E+00 39.77E+00 40.18E+00 40.59E+00 41.00E+00 41.41E+00 41.82E+00 42.23E+00 42.64E+00 43.05E+00 43.46E+00 43.87E+00 44.28E+00 44.69E+00 45.10E+00 45.51E+00 45.92E+00 46.33E+00 46.74E+00 47.15E+00 47.56E+00 47.97E+00 48.38E+00 48.79E+00 49.20E+00 49.61E+00 50.02E+00 50.43E+00 50.84E+00 51.25E+00 51.66E+00 52.07E+00 52.48E+00 52.89E+00 53.30E+00 53.71E+00 54.12E+00 54.53E+00 54.94E+00 55.35E+00 55.76E+00 56.17E+00 56.58E+00 56.99E+00 57.40E+00 57.81E+00 58.22E+00 58.63E+00 59.04E+00 59.45E+00 59.86E+00 60.27E+00 60.68E+00 61.09E+00 61.50E+00 61.91E+00 62.32E+00 62.73E+00 63.14E+00 63.55E+00 63.96E+00 64.37E+00 64.78E+00 65.19E+00 65.60E+00 66.01E+00 66.42E+00 66.83E+00 67.24E+00 67.65E+00 68.06E+00 68.47E+00 68.88E+00 69.29E+00 69.70E+00 70.11E+00 70.52E+00 70.93E+00 71.34E+00 71.75E+00 72.16E+00 72.57E+00 72.98E+00 73.39E+00 73.80E+00 74.21E+00 74.62E+00 75.03E+00 75.44E+00 75.85E+00 76.26E+00 76.67E+00 77.08E+00 77.49E+00 77.90E+00 78.31E+00 78.72E+00 79.13E+00 79.54E+00 79.95E+00 80.36E+00 80.77E+00 81.18E+00 81.59E+00 82.00E+00 82.41E+00 82.82E+00 83.23E+00 83.64E+00 84.05E+00 84.46E+00 84.87E+00 85.28E+00 85.69E+00 86.10E+00 86.51E+00 86.92E+00 87.33E+00 87.74E+00 88.15E+00 88.56E+00 88.97E+00 89.38E+00 89.79E+00 90.20E+00 90.61E+00 91.02E+00 91.43E+00 91.84E+00 92.25E+00 92.66E+00 93.07E+00 93.48E+00 93.89E+00 94.30E+00 94.71E+00 95.12E+00 95.53E+00 95.94E+00 96.35E+00 96.76E+00 97.17E+00 97.58E+00 97.99E+00 98.40E+00 98.81E+00 99.22E+00 99.63E+00 100.04E+00 100.45E+00 100.86E+00 101.27E+00 101.68E+00 102.09E+00 102.50E+00 102.91E+00 103.32E+00 103.73E+00 104.14E+00 104.55E+00 104.96E+00 105.37E+00 105.78E+00 106.19E+00 106.60E+00 107.01E+00 107.42E+00 107.83E+00 108.24E+00 108.65E+00 109.06E+00 109.47E+00 109.88E+00 110.29E+00 110.70E+00 111.11E+00 111.52E+00 111.93E+00 112.34E+00 112.75E+00 113.16E+00 113.57E+00 113.98E+00 114.39E+00 114.80E+00 115.21E+00 115.62E+00 116.03E+00 116.44E+00 116.85E+00 117.26E+00 117.67E+00 118.08E+00 118.49E+00 118.90E+00 119.31E+00 119.72E+00 120.13E+00 120.54E+00 120.95E+00 121.36E+00 121.77E+00 122.18E+00 122.59E+00 123.00E+00 123.41E+00 123.82E+00 124.23E+00 124.64E+00 125.05E+00 125.46E+00 125.87E+00 126.28E+00 126.69E+00 127.10E+00 127.51E+00 127.92E+00 128.33E+00 128.74E+00 129.15E+00 129.56E+00 129.97E+00 130.38E+00 130.79E+00 131.20E+00 131.61E+00 132.02E+00 132.43E+00 132.84E+00 133.25E+00 133.66E+00 134.07E+00 134.48E+00 134.89E+00 135.30E+00 135.71E+00 136.12E+00 136.53E+00 136.94E+00 137.35E+00 137.76E+00 138.17E+00 138.58E+00 138.99E+00 139.40E+00 139.81E+00 140.22E+00 140.63E+00 141.04E+00 141.45E+00 141.86E+00 142.27E+00 142.68E+00 143.09E+00 143.50E+00 143.91E+00 144.32E+00 144.73E+00 145.14E+00 145.55E+00 145.96E+00 146.37E+00 146.78E+00 147.19E+00 147.60E+00 148.01E+00 148.42E+00 148.83E+00 149.24E+00 149.65E+00 150.06E+00 150.47E+00 150.88E+00 151.29E+00 151.70E+00 152.11E+00 152.52E+00 152.93E+00 153.34E+00 153.75E+00 154.16E+00 154.57E+00 154.98E+00 155.39E+00 155.80E+00 156.21E+00 156.62E+00 157.03E+00 157.44E+00 157.85E+00 158.26E+00 158.67E+00 159.08E+00 159.49E+00 159.90E+00 160.31E+00 160.72E+00 161.13E+00 161.54E+00 161.95E+00 162.36E+00 162.77E+00 163.18E+00 163.59E+00 164.00E+00 164.41E+00 164.82E+00 165.23E+00 165.64E+00 166.05E+00 166.46E+00 166.87E+00 167.28E+00 167.69E+00 168.10E+00 168.51E+00 168.92E+00 169.33E+00 169.74E+00 170.15E+00 170.56E+00 170.97E+00 171.38E+00 171.79E+00 172.20E+00 172.61E+00 173.02E+00 173.43E+00 173.84E+00 174.25E+00 174.66E+00 175.07E+00 175.48E+00 175.89E+00 176.30E+00 176.71E+00 177.12E+00 177.53E+00 177.94E+00 178.35E+00 178.76E+00 179.17E+00 179.58E+00 179.99E+00 180.40E+00 180.81E+00 181.22E+00 181.63E+00 182.04E+00 182.45E+00 182.86E+00 183.27E+00 183.68E+00 184.09E+00 184.50E+00 184.91E+00 185.32E+00 185.73E+00 186.14E+00 186.55E+00 186.96E+00 187.37E+00 187.78E+00 188.19E+00 188.60E+00 189.01E+00 189.42E+00 189.83E+00 190.24E+00 190.65E+00 191.06E+00 191.47E+00 191.88E+00 192.29E+00 192.70E+00 193.11E+00 193.52E+00 193.93E+00 194.34E+00 194.75E+00 195.16E+00 195.57E+00 195.98E+00 196.39E+00 196.80E+00 197.21E+00 197.62E+00 198.03E+00 198.44E+00 198.85E+00 199.26E+00 199.67E+00 200.08E+00 200.49E+00 200.90E+00 201.31E+00 201.72E+00 202.13E+00 202.54E+00 202.95E+00 203.36E+00 203.77E+00 204.18E+00 204.59E+00 205.00E+00 205.41E+00 205.82E+00 206.23E+00 206.64E+00 207.05E+00 207.46E+00 207.87E+00 208.28E+00 208.69E+00 209.10E+00 209.51E+00 209.92E+00 210.33E+00 210.74E+00 211.15E+00 211.56E+00 211.97E+00 212.38E+00 212.79E+00 213.20E+00 213.61E+00 214.02E+00 214.43E+00 214.84E+00 215.25E+00 215.66E+00 216.07E+00 216.48E+00 216.89E+00 217.30E+00 217.71E+00 218.12E+00 218.53E+00 218.94E+00 219.35E+00 219.76E+00 220.17E+00 220.58E+00 220.99E+00 221.40E+00 221.81E+00 222.22E+00 222.63E+00 223.04E+00 223.45E+00 223.86E+00 224.27E+00 224.68E+00 225.09E+00 225.50E+00 225.91E+00 226.32E+00 226.73E+00 227.14E+00 227.55E+00 227.96E+00 228.37E+00 228.78E+00 229.19E+00 229.60E+00 230.01E+00 230.42E+00 230.83E+00 231.24E+00 231.65E+00 232.06E+00 232.47E+00 232.88E+00 233.29E+00 233.70E+00 234.11E+00 234.52E+00 234.93E+00 235.34E+00 235.75E+00 236.16E+00 236.57E+00 236.98E+00 237.39E+00 237.80E+00 238.21E+00 238.62E+00 239.03E+00 239.44E+00 239.85E+00 240.26E+00 240.67E+00 241.08E+00 241.49E+00 241.90E+00 242.31E+00 242.72E+00 243.13E+00 243.54E+00 243.95E+00 244.36E+00 244.77E+00 245.18E+00 245.59E+00 246.00E+00 246.41E+00 246.82E+00 247.23E+00 247.64E+00 248.05E+00 248.46E+00 248.87E+00 249.28E+00 249.69E+00 250.10E+00 250.51E+00 250.92E+00 251.33E+00 251.74E+00 252.15E+00 252.56E+00 252.97E+00 253.38E+00 253.79E+00 254.20E+00 254.61E+00 255.02E+00 255.43E+00 255.84E+00 256.25E+00 256.66E+00 257.07E+00 257.48E+00 257.89E+00 258.30E+00 258.71E+00 259.12E+00 259.53E+00 259.94E+00 260.35E+00 260.76E+00 261.17E+00 261.58E+00 261.99E+00 262.40E+00 262.81E+00 263.22E+00 263.63E+00 264.04E+00 264.45E+00 264.86E+00 265.27E+00 265.68E+00 266.09E+00 266.50E+00 266.91E+00 267.32E+00 267.73E+00 268.14E+00 268.55E+00 268.96E+00 269.37E+00 269.78E+00 270.19E+00 270.60E+00 271.01E+00 271.42E+00 271.83E+00 272.24E+00 272.65E+00 273.06E+00 273.47E+00 273.88E+00 274.29E+00 274.70E+00 275.11E+00 275.52E+00 275.93E+00 276.34E+00 276.75E+00 277.16E+00 277.57E+00 277.98E+00 278.39E+00 278.80E+00 279.21E+00 279.62E+00 280.03E+00 280.44E+00 280.85E+00 281.26E+00 281.67E+00 282.08E+00 282.49E+00 282.90E+00 283.31E+00 283.72E+00 284.13E+00 284.54E+00 284.95E+00 285.3

SHOOTING HINOCASTING SPECTRA COMPUTED MARCH 1963

DATE = 14/12/55 Av. T = 8.2 RECORD = JML174
 HOUR = 6 SIG. HGT. = 17.6 UPPER HGT. = 19.1
 TOTAL DF = 100 CORR. VAR. = 19.3 LOWER HGT. = 16.1
 NOISE LEVEL = .0044 WIND SPEED = 20

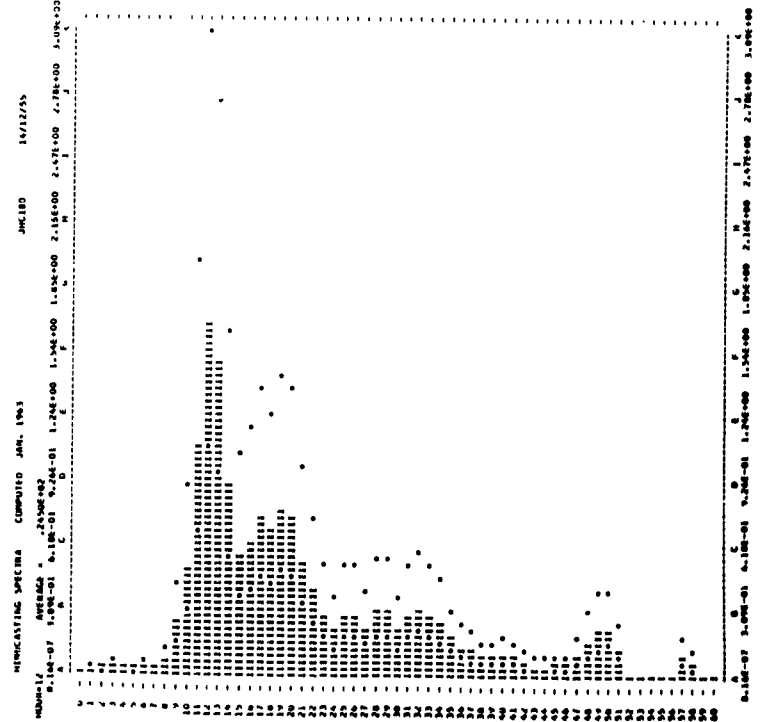
M	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0331	.0331	.0267	.0267	.0492	.0170
1	.006	.0367	.0367	.0303	.0303	.0550	.0193
2	.011	.0423	.0423	.0359	.0359	.0602	.0229
3	.017	.0483	.0483	.0399	.0399	.0662	.0279
4	.022	.0539	.0539	.0431	.0431	.0733	.0319
5	.028	.0591	.0591	.0467	.0467	.0802	.0370
6	.033	.0647	.0647	.0503	.0503	.0880	.0420
7	.039	.0709	.0709	.0539	.0539	.0966	.0471
8	.044	.0769	.0769	.0575	.0575	.1050	.0522
9	.050	.0831	.0831	.0611	.0611	.1142	.0573
10	.056	.0897	.0897	.0647	.0647	.1242	.0624
11	.061	.0959	.0959	.0683	.0683	.1350	.0675
12	.067	.1027	.1027	.0719	.0719	.1466	.0726
13	.072	.1091	.1091	.0755	.0755	.1590	.0777
14	.078	.1161	.1161	.0791	.0791	.1722	.0828
15	.083	.1237	.1237	.0827	.0827	.1862	.0879
16	.089	.1319	.1319	.0863	.0863	.2010	.0930
17	.094	.1407	.1407	.0899	.0899	.2166	.0981
18	.100	.1491	.1491	.0935	.0935	.2330	.1032
19	.106	.1581	.1581	.0971	.0971	.2502	.1083
20	.111	.1677	.1677	.1007	.1007	.2682	.1134
21	.117	.1779	.1779	.1043	.1043	.2870	.1185
22	.122	.1887	.1887	.1079	.1079	.3066	.1236
23	.128	.1991	.1991	.1115	.1115	.3270	.1287
24	.133	.2101	.2101	.1151	.1151	.3482	.1338
25	.139	.2217	.2217	.1187	.1187	.3702	.1389
26	.144	.2339	.2339	.1223	.1223	.3930	.1440
27	.150	.2467	.2467	.1259	.1259	.4166	.1491
28	.156	.2601	.2601	.1295	.1295	.4410	.1542
29	.161	.2741	.2741	.1331	.1331	.4662	.1593
30	.167	.2887	.2887	.1367	.1367	.4922	.1644
31	.172	.3039	.3039	.1403	.1403	.5190	.1695
32	.178	.3197	.3197	.1439	.1439	.5466	.1746
33	.183	.3361	.3361	.1475	.1475	.5750	.1797
34	.189	.3531	.3531	.1511	.1511	.6042	.1848
35	.194	.3707	.3707	.1547	.1547	.6342	.1899
36	.200	.3889	.3889	.1583	.1583	.6650	.1950
37	.206	.4077	.4077	.1619	.1619	.6966	.2001
38	.211	.4271	.4271	.1655	.1655	.7290	.2052
39	.217	.4471	.4471	.1691	.1691	.7622	.2103
40	.222	.4677	.4677	.1727	.1727	.7962	.2154
41	.228	.4889	.4889	.1763	.1763	.8310	.2205
42	.233	.5107	.5107	.1799	.1799	.8666	.2256
43	.239	.5331	.5331	.1835	.1835	.9030	.2307
44	.244	.5561	.5561	.1871	.1871	.9402	.2358
45	.250	.5807	.5807	.1907	.1907	.9782	.2409
46	.256	.6059	.6059	.1943	.1943	.1018	.2460
47	.261	.6317	.6317	.1979	.1979	.1262	.2511
48	.267	.6581	.6581	.2015	.2015	.1514	.2562
49	.272	.6851	.6851	.2051	.2051	.1774	.2613
50	.278	.7127	.7127	.2087	.2087	.2042	.2664
51	.283	.7409	.7409	.2123	.2123	.2318	.2715
52	.289	.7697	.7697	.2159	.2159	.2602	.2766
53	.294	.8001	.8001	.2195	.2195	.2894	.2817
54	.300	.8311	.8311	.2231	.2231	.3194	.2868
55	.306	.8627	.8627	.2267	.2267	.3502	.2919
56	.311	.8949	.8949	.2303	.2303	.3818	.2970
57	.317	.9277	.9277	.2339	.2339	.4142	.3021
58	.322	.9611	.9611	.2375	.2375	.4474	.3072
59	.328	.9951	.9951	.2411	.2411	.4814	.3123
60	.333	.1036	.1036	.2447	.2447	.5162	.3174



HINOCASTING SPECTRA COMPUTED JAN. 1963

DATE = 14/12/55 Av. T = 7.5 RECORD = JML180
 HOUR = 12 SIG. HGT. = 16.2 UPPER HGT. = 17.5
 TOTAL DF = 229 CORR. VAR. = 16.4 LOWER HGT. = 15.0
 NOISE LEVEL = .0022 WIND SPEED = 20

M	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0077	.0077	.0055	.0055	.0101	.0035
1	.006	.0134	.0134	.0112	.0112	.0206	.0071
2	.011	.0217	.0217	.0214	.0214	.0395	.0136
3	.017	.0303	.0303	.0281	.0281	.0517	.0174
4	.022	.0396	.0396	.0346	.0346	.0653	.0216
5	.028	.0494	.0494	.0427	.0427	.0804	.0267
6	.033	.0594	.0594	.0492	.0492	.0970	.0318
7	.039	.0702	.0702	.0560	.0560	.0115	.0379
8	.044	.0816	.0816	.0626	.0626	.1385	.0430
9	.050	.0937	.0937	.0691	.0691	.1670	.0481
10	.056	.1067	.1067	.0757	.0757	.1972	.0532
11	.061	.1207	.1207	.0823	.0823	.2292	.0583
12	.067	.1357	.1357	.0889	.0889	.2630	.0634
13	.072	.1517	.1517	.0955	.0955	.2986	.0685
14	.078	.1687	.1687	.1021	.1021	.3360	.0736
15	.083	.1867	.1867	.1087	.1087	.3752	.0787
16	.089	.2057	.2057	.1153	.1153	.4162	.0838
17	.094	.2257	.2257	.1219	.1219	.4590	.0889
18	.100	.2467	.2467	.1285	.1285	.5036	.0940
19	.106	.2687	.2687	.1351	.1351	.5500	.0991
20	.111	.2917	.2917	.1417	.1417	.5982	.1042
21	.117	.3157	.3157	.1483	.1483	.6482	.1093
22	.122	.3407	.3407	.1549	.1549	.7000	.1144
23	.128	.3667	.3667	.1615	.1615	.7536	.1195
24	.133	.3937	.3937	.1681	.1681	.8090	.1246
25	.139	.4217	.4217	.1747	.1747	.8662	.1297
26	.144	.4507	.4507	.1813	.1813	.9252	.1348
27	.150	.4807	.4807	.1879	.1879	.9860	.1399
28	.156	.5117	.5117	.1945	.1945	.1046	.1450
29	.161	.5437	.5437	.2011	.2011	.1146	.1501
30	.167	.5767	.5767	.2077	.2077	.1256	.1552
31	.172	.6107	.6107	.2143	.2143	.1376	.1603
32	.178	.6457	.6457	.2209	.2209	.1506	.1654
33	.183	.6817	.6817	.2275	.2275	.1646	.1705
34	.189	.7187	.7187	.2341	.2341	.1796	.1756
35	.194	.7567	.7567	.2407	.2407	.1956	.1807
36	.200	.7957	.7957	.2473	.2473	.2126	.1858
37	.206	.8357	.8357	.2539	.2539	.2306	.1909
38	.211	.8767	.8767	.2605	.2605	.2496	.1960
39	.217	.9187	.9187	.2671	.2671	.2696	.2011
40	.222	.9617	.9617	.2737	.2737	.2906	.2062
41	.228	.1007	.1007	.2803	.2803	.3126	.2113
42	.233	.1057	.1057	.2869	.2869	.3356	.2164
43	.239	.1107	.1107	.2935	.2935	.3596	.2215
44	.244	.1157	.1157	.3001	.3001	.3846	.2266
45	.250	.1207	.1207	.3067	.3067	.4106	.2317
46	.256	.1257	.1257	.3133	.3133	.4376	.2368
47	.261	.1307	.1307	.3200	.3200	.4656	.2419
48	.267	.1357	.1357	.3266	.3266	.4946	.2470
49	.272	.1407	.1407	.3332	.3332	.5246	.2521
50	.278	.1457	.1457	.3400	.3400	.5556	.2572
51	.283	.1507	.1507	.3466	.3466	.5876	.2623
52	.289	.1557	.1557	.3532	.3532	.6206	.2674
53	.294	.1607	.1607	.3600	.3600	.6546	.2725
54	.300	.1657	.1657	.3666	.3666	.6896	.2776
55	.306	.1707	.1707	.3732	.3732	.7256	.2827
56	.311	.1757	.1757	.3800	.3800	.7626	.2878
57	.317	.1807	.1807	.3866	.3866	.8006	.2929
58	.322	.1857	.1857	.3932	.3932	.8396	.2980
59	.328	.1907	.1907	.4000	.4000	.8806	.3031
60	.333	.1957	.1957	.4066	.4066	.9226	.3082

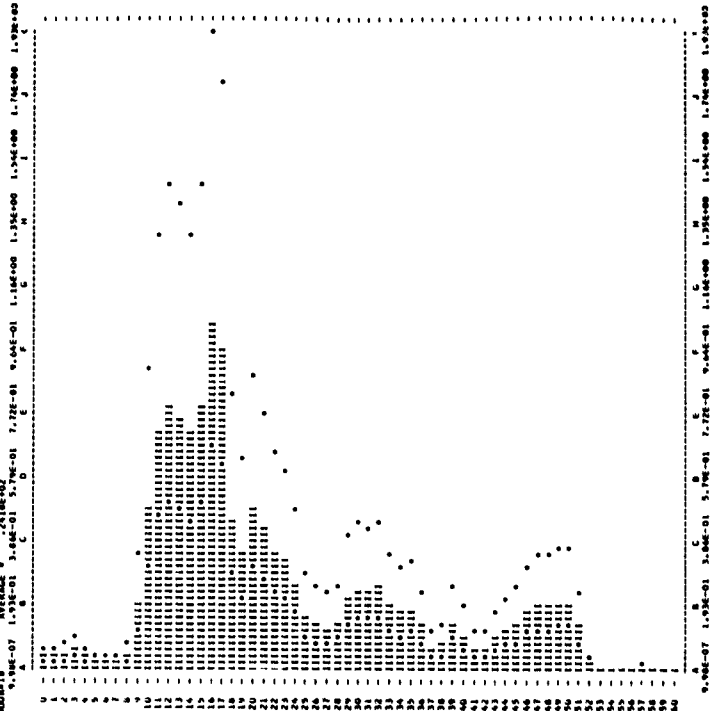


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/55 AV. T = 7.2 RECORD = JMC181
 HOUR = 18 SIG. HGT. = 14.7 UPPER HGT. = 15.8
 TOTAL DP = 203 CORR. VAR. = 15.3 LOWER HGT. = 15.7
 NOISE LEVEL = .0031 WIND SPEED = 15

H	FRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0354	.0354	.0323	.0506	.0206
1	.0006	.0334	.0334	.0303	.0486	.0191
2	.0011	.0314	.0314	.0283	.0466	.0176
3	.0017	.0293	.0293	.0261	.0446	.0161
4	.0022	.0274	.0274	.0241	.0426	.0146
5	.0028	.0254	.0254	.0221	.0406	.0131
6	.0033	.0234	.0234	.0201	.0386	.0116
7	.0039	.0214	.0214	.0181	.0366	.0101
8	.0044	.0194	.0194	.0161	.0346	.0086
9	.0050	.0174	.0174	.0141	.0326	.0071
10	.0056	.0154	.0154	.0121	.0306	.0056
11	.0061	.0134	.0134	.0101	.0286	.0041
12	.0067	.0114	.0114	.0081	.0266	.0026
13	.0072	.0094	.0094	.0061	.0246	.0011
14	.0078	.0074	.0074	.0041	.0226	.0000
15	.0083	.0054	.0054	.0021	.0206	.0000
16	.0089	.0034	.0034	.0001	.0186	.0000
17	.0094	.0014	.0014	.0000	.0166	.0000
18	.0100	.0000	.0000	.0000	.0146	.0000
19	.0106	.0000	.0000	.0000	.0126	.0000
20	.0111	.0000	.0000	.0000	.0106	.0000
21	.0117	.0000	.0000	.0000	.0086	.0000
22	.0122	.0000	.0000	.0000	.0066	.0000
23	.0128	.0000	.0000	.0000	.0046	.0000
24	.0133	.0000	.0000	.0000	.0026	.0000
25	.0139	.0000	.0000	.0000	.0006	.0000
26	.0144	.0000	.0000	.0000	.0000	.0000
27	.0150	.0000	.0000	.0000	.0000	.0000
28	.0156	.0000	.0000	.0000	.0000	.0000
29	.0161	.0000	.0000	.0000	.0000	.0000
30	.0167	.0000	.0000	.0000	.0000	.0000
31	.0172	.0000	.0000	.0000	.0000	.0000
32	.0178	.0000	.0000	.0000	.0000	.0000
33	.0183	.0000	.0000	.0000	.0000	.0000
34	.0189	.0000	.0000	.0000	.0000	.0000
35	.0194	.0000	.0000	.0000	.0000	.0000
36	.0200	.0000	.0000	.0000	.0000	.0000
37	.0206	.0000	.0000	.0000	.0000	.0000
38	.0211	.0000	.0000	.0000	.0000	.0000
39	.0217	.0000	.0000	.0000	.0000	.0000
40	.0222	.0000	.0000	.0000	.0000	.0000
41	.0228	.0000	.0000	.0000	.0000	.0000
42	.0233	.0000	.0000	.0000	.0000	.0000
43	.0239	.0000	.0000	.0000	.0000	.0000
44	.0244	.0000	.0000	.0000	.0000	.0000
45	.0250	.0000	.0000	.0000	.0000	.0000
46	.0256	.0000	.0000	.0000	.0000	.0000
47	.0261	.0000	.0000	.0000	.0000	.0000
48	.0267	.0000	.0000	.0000	.0000	.0000
49	.0272	.0000	.0000	.0000	.0000	.0000
50	.0278	.0000	.0000	.0000	.0000	.0000
51	.0283	.0000	.0000	.0000	.0000	.0000
52	.0289	.0000	.0000	.0000	.0000	.0000
53	.0294	.0000	.0000	.0000	.0000	.0000
54	.0300	.0000	.0000	.0000	.0000	.0000
55	.0306	.0000	.0000	.0000	.0000	.0000
56	.0311	.0000	.0000	.0000	.0000	.0000
57	.0317	.0000	.0000	.0000	.0000	.0000
58	.0322	.0000	.0000	.0000	.0000	.0000
59	.0328	.0000	.0000	.0000	.0000	.0000
60	.0333	.0000	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963 JMC181 10/12/55

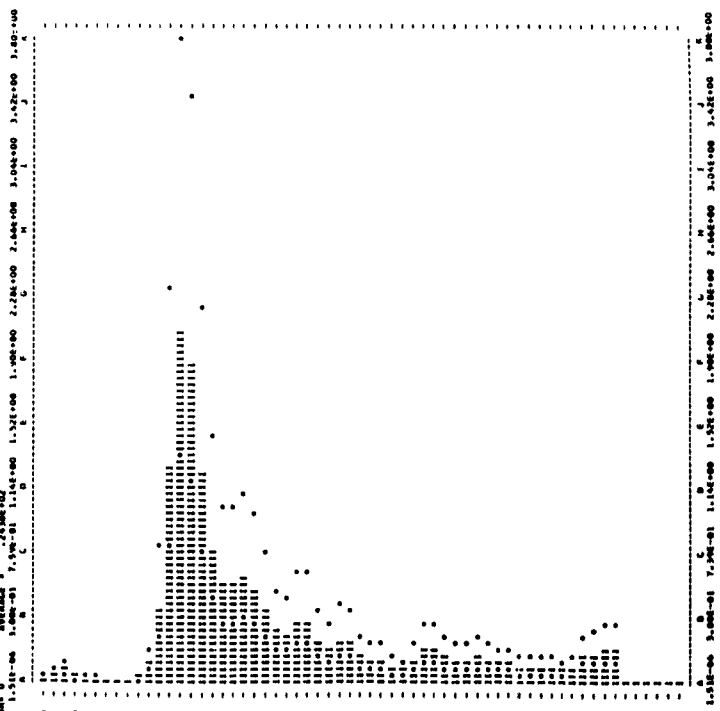


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/55 AV. T = 7.4 RECORD = JMC182
 HOUR = 0 SIG. HGT. = 15.9 UPPER HGT. = 17.3
 TOTAL DP = 176 CORR. VAR. = 15.7 LOWER HGT. = 14.5
 NOISE LEVEL = .0023 WIND SPEED = 5

H	FRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0211	.0211	.0188	.0346	.0120
1	.0006	.0191	.0191	.0168	.0326	.0105
2	.0011	.0171	.0171	.0148	.0306	.0090
3	.0017	.0151	.0151	.0128	.0286	.0075
4	.0022	.0131	.0131	.0108	.0266	.0060
5	.0028	.0111	.0111	.0088	.0246	.0045
6	.0033	.0091	.0091	.0068	.0226	.0030
7	.0039	.0071	.0071	.0048	.0206	.0015
8	.0044	.0051	.0051	.0028	.0186	.0000
9	.0050	.0031	.0031	.0008	.0166	.0000
10	.0056	.0011	.0011	.0000	.0146	.0000
11	.0061	.0000	.0000	.0000	.0126	.0000
12	.0067	.0000	.0000	.0000	.0106	.0000
13	.0072	.0000	.0000	.0000	.0086	.0000
14	.0078	.0000	.0000	.0000	.0066	.0000
15	.0083	.0000	.0000	.0000	.0046	.0000
16	.0089	.0000	.0000	.0000	.0026	.0000
17	.0094	.0000	.0000	.0000	.0006	.0000
18	.0100	.0000	.0000	.0000	.0000	.0000
19	.0106	.0000	.0000	.0000	.0000	.0000
20	.0111	.0000	.0000	.0000	.0000	.0000
21	.0117	.0000	.0000	.0000	.0000	.0000
22	.0122	.0000	.0000	.0000	.0000	.0000
23	.0128	.0000	.0000	.0000	.0000	.0000
24	.0133	.0000	.0000	.0000	.0000	.0000
25	.0139	.0000	.0000	.0000	.0000	.0000
26	.0144	.0000	.0000	.0000	.0000	.0000
27	.0150	.0000	.0000	.0000	.0000	.0000
28	.0156	.0000	.0000	.0000	.0000	.0000
29	.0161	.0000	.0000	.0000	.0000	.0000
30	.0167	.0000	.0000	.0000	.0000	.0000
31	.0172	.0000	.0000	.0000	.0000	.0000
32	.0178	.0000	.0000	.0000	.0000	.0000
33	.0183	.0000	.0000	.0000	.0000	.0000
34	.0189	.0000	.0000	.0000	.0000	.0000
35	.0194	.0000	.0000	.0000	.0000	.0000
36	.0200	.0000	.0000	.0000	.0000	.0000
37	.0206	.0000	.0000	.0000	.0000	.0000
38	.0211	.0000	.0000	.0000	.0000	.0000
39	.0217	.0000	.0000	.0000	.0000	.0000
40	.0222	.0000	.0000	.0000	.0000	.0000
41	.0228	.0000	.0000	.0000	.0000	.0000
42	.0233	.0000	.0000	.0000	.0000	.0000
43	.0239	.0000	.0000	.0000	.0000	.0000
44	.0244	.0000	.0000	.0000	.0000	.0000
45	.0250	.0000	.0000	.0000	.0000	.0000
46	.0256	.0000	.0000	.0000	.0000	.0000
47	.0261	.0000	.0000	.0000	.0000	.0000
48	.0267	.0000	.0000	.0000	.0000	.0000
49	.0272	.0000	.0000	.0000	.0000	.0000
50	.0278	.0000	.0000	.0000	.0000	.0000
51	.0283	.0000	.0000	.0000	.0000	.0000
52	.0289	.0000	.0000	.0000	.0000	.0000
53	.0294	.0000	.0000	.0000	.0000	.0000
54	.0300	.0000	.0000	.0000	.0000	.0000
55	.0306	.0000	.0000	.0000	.0000	.0000
56	.0311	.0000	.0000	.0000	.0000	.0000
57	.0317	.0000	.0000	.0000	.0000	.0000
58	.0322	.0000	.0000	.0000	.0000	.0000
59	.0328	.0000	.0000	.0000	.0000	.0000
60	.0333	.0000	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963 JMC182 10/12/55

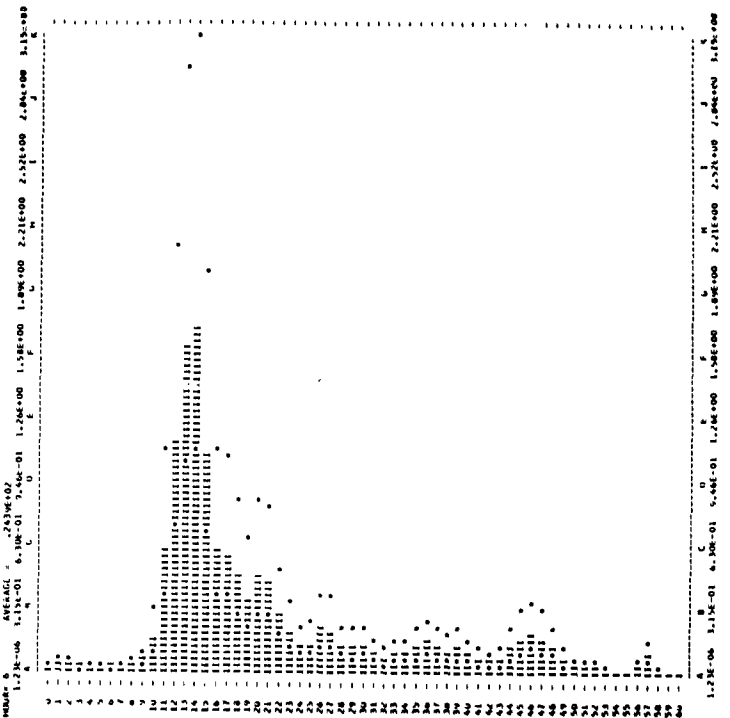


MINICASTING SPECTRA COMPUTED JAN. 1963

DATE = 15/12/55 AV. I = 7.7 RECORD = JMC183
 HOUR = 6 SIG.MGT. = 14.8 UPPER MGT. = 15.9
 TOTAL OF 160 CORR. VAL. = 13.2 LOWER MGT. = 13.3
 NOISE LEVEL = .0013 WIND SPEED = 0

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0167	.0167	.0156	.0156	.0284	.0098
1	.004	.0323	.0323	.0310	.0310	.0571	.0197
2	.011	.0429	.0425	.0412	.0412	.0759	.0262
3	.017	.0295	.0295	.0282	.0282	.0465	.0154
4	.022	.0161	.0161	.0148	.0148	.0236	.0081
5	.028	.0136	.0136	.0121	.0121	.0222	.0077
6	.033	.0147	.0147	.0136	.0136	.0399	.0138
7	.039	.0124	.0124	.0111	.0111	.0152	.0047
8	.044	.0224	.0224	.0211	.0211	.0484	.0167
9	.050	.0417	.0417	.0404	.0404	.0875	.0302
10	.056	.1516	.1516	.1503	.1503	.3138	.1041
11	.061	.5386	.5386	.5371	.5366	1.1177	.3861
12	.067	1.0041	1.0041	1.0028	1.1175	2.0966	.7263
13	.072	1.4026	1.4026	1.4013	1.4181	2.9824	1.0303
14	.078	1.4420	1.4420	1.4407	1.7101	3.1519	1.0889
15	.083	.8796	.8796	.8783	1.0810	1.9624	.6883
16	.089	.4860	.4860	.4847	.5966	1.0596	.3765
17	.094	.4327	.4327	.4314	.5825	1.0737	.3709
18	.100	.3291	.3291	.3278	.4681	.6627	.2900
19	.106	.2376	.2376	.2363	.3390	.4617	.2286
20	.111	.2868	.2868	.2855	.4637	.6547	.2953
21	.117	.2763	.2763	.2750	.4449	.6200	.2833
22	.122	.1661	.1661	.1648	.2727	.3526	.1736
23	.128	.0897	.0897	.0884	.1804	.3325	.1149
24	.133	.0589	.0589	.0576	.1281	.2361	.0816
25	.139	.0595	.0595	.0582	.1417	.2411	.0802
26	.144	.0807	.0807	.0794	.1225	.3917	.1353
27	.150	.0681	.0681	.0668	.1971	.3633	.1259
28	.156	.0396	.0396	.0383	.1294	.2312	.0790
29	.161	.0320	.0320	.0307	.1119	.2062	.0712
30	.167	.0326	.0326	.0313	.1276	.2351	.0812
31	.172	.0407	.0407	.0394	.0887	.1636	.0565
32	.178	.0142	.0142	.0129	.0662	.1260	.0422
33	.183	.0167	.0167	.0154	.0898	.1658	.0572
34	.189	.0140	.0140	.0127	.0642	.1351	.0436
35	.194	.0186	.0186	.0173	.1141	.2104	.0727
36	.200	.0174	.0174	.0161	.1433	.2662	.0913
37	.206	.0128	.0128	.0115	.1138	.2097	.0724
38	.211	.0104	.0104	.0091	.1040	.1917	.0662
39	.217	.0097	.0097	.0084	.1115	.2055	.0710
40	.222	.0072	.0072	.0060	.0920	.1495	.0580
41	.228	.0049	.0049	.0038	.0687	.1267	.0438
42	.233	.0310	.0310	.0307	.0540	.1032	.0356
43	.239	.0040	.0040	.0029	.0724	.1344	.0464
44	.244	.0055	.0055	.0040	.1194	.2181	.0754
45	.250	.0067	.0067	.0057	.1634	.3012	.1041
46	.256	.0058	.0058	.0044	.1810	.3337	.1159
47	.261	.0047	.0047	.0036	.1601	.3061	.1057
48	.267	.0074	.0074	.0061	.1248	.2317	.0807
49	.272	.0022	.0022	.0010	.0725	.1136	.0462
50	.278	.0014	.0014	.0006	.0303	.0559	.0193
51	.283	.0016	.0016	.0003	.0162	.0396	.0142
52	.289	.0017	.0017	.0003	.0395	.0728	.0251
53	.294	.0014	.0014	.0001	.0133	.0265	.0085
54	.300	.0011	.0011	.0000	.0000	.0000	.0000
55	.306	.0010	.0010	.0000	.0000	.0000	.0000
56	.311	.0014	.0014	.0001	.0260	.0484	.0186
57	.317	.0013	.0013	.0002	.0740	.1497	.0520
58	.322	.0013	.0013	.0000	.0115	.0211	.0073
59	.328	.0010	.0010	.0000	.0000	.0000	.0000
60	.333	.0008	.0008	.0000	.0000	.0000	.0000

MINICASTING SPECTRA COMPUTED JAN. 1963

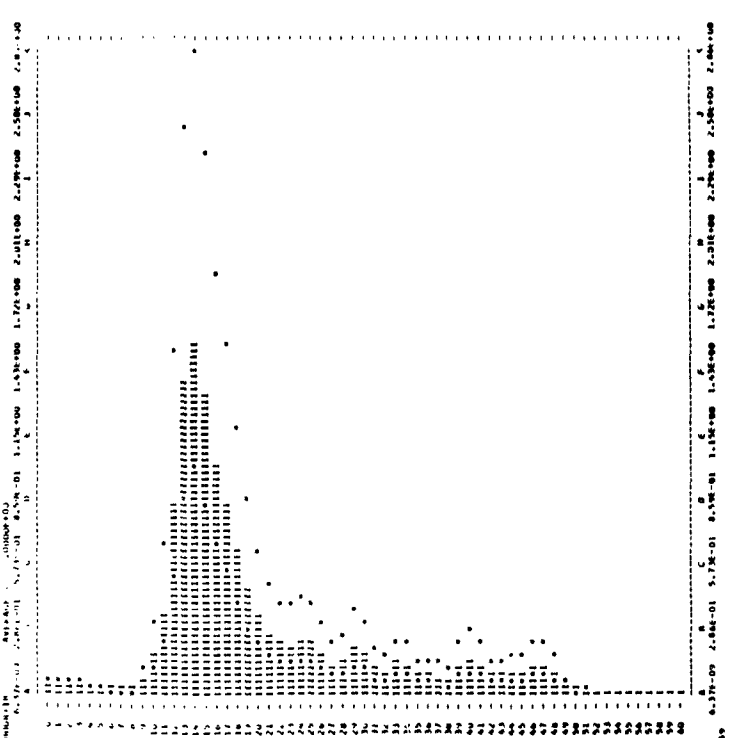


SMOOTHED MINICASTING SPECTRA COMPUTED MARCH 1963

DATE = 15/12/55 AV. I = 8.2 RECORD = JMC186
 HOUR = 18 SIG.MGT. = 14.6 UPPER MGT. = 15.7
 TOTAL OF 160 CORR. VAL. = 12.3 LOWER MGT. = 13.2
 NOISE LEVEL = .0025 WIND SPEED = 0

M	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0282	.0282	.0277	.0273	.0184	
1	.006	.0181	.0181	.0178	.0181	.0214	
2	.011	.0406	.0406	.0381	.0381	.0702	.0242
3	.017	.0248	.0248	.0241	.0243	.0468	.0155
4	.022	.0146	.0146	.0131	.0131	.0223	.0077
5	.028	.0134	.0134	.0119	.0119	.0247	.0089
6	.033	.0157	.0157	.0142	.0143	.0393	.0138
7	.039	.0139	.0139	.0124	.0124	.0218	.0086
8	.044	.0171	.0171	.0156	.0152	.0325	.0116
9	.050	.0407	.0407	.0382	.0383	.1280	.0433
10	.056	.1177	.1177	.1162	.1177	.1854	.1094
11	.061	.3160	.3160	.3135	.3340	.6924	.2294
12	.067	.7241	.7241	.7216	.8185	1.5088	.5212
13	.072	1.1800	1.1800	1.1869	1.3700	2.5232	.8724
14	.078	1.3120	1.3120	1.3099	1.5364	2.9669	.9897
15	.083	1.0669	1.0669	1.0623	1.3070	2.4091	.8322
16	.089	.7422	.7422	.7407	1.0163	1.8666	.6459
17	.094	.6267	.6267	.6237	.8422	1.5523	.5303
18	.100	.4496	.4496	.4471	.6383	1.1785	.4086
19	.106	.3075	.3075	.3050	.4616	.8340	.2990
20	.111	.2123	.2123	.2098	.3407	.6250	.2166
21	.117	.1527	.1527	.1482	.2595	.4766	.1668
22	.122	.1176	.1176	.1151	.1687	.3664	.1380
23	.128	.1086	.1086	.1041	.1225	.3416	.1353
24	.133	.1089	.1089	.1044	.2366	.4981	.1507
25	.139	.0816	.0816	.0801	.1265	.3968	.1381
26	.144	.0843	.0843	.0818	.1854	.5048	.1653
27	.150	.0446	.0446	.0421	.1242	.2270	.0791
28	.156	.0452	.0452	.0427	.1317	.2574	.0889
29	.161	.0570	.0570	.0545	.1984	.3657	.1263
30	.167	.0460	.0460	.0435	.1770	.3263	.1127
31	.172	.0291	.0291	.0266	.1051	.1800	.0696
32	.178	.0213	.0213	.0188	.0967	.1783	.0616
33	.183	.0267	.0267	.0222	.1241	.2374	.0822
34	.189	.0215	.0215	.0190	.1259	.2314	.0799
35	.194	.0134	.0134	.0109	.0940	.1512	.0522
36	.200	.0111	.0111	.0086	.0761	.1306	.0472
37	.206	.0086	.0086	.0061	.0702	.1219	.0447
38	.211	.0075	.0075	.0050	.0570	.1051	.0363
39	.217	.0116	.0116	.0089	.1177	.2172	.0750
40	.222	.0140	.0140	.0107	.1443	.2753	.0931
41	.228	.0094	.0094	.0070	.1267	.2326	.0504
42	.233	.0093	.0093	.0068	.0804	.1471	.0515
43	.239	.0084	.0084	.0059	.0728	.1342	.0464
44	.244	.0057	.0057	.0050	.0868	.1600	.0553
45	.250	.0051	.0051	.0028	.0986	.1817	.0628
46	.256	.0054	.0054	.0024	.1149	.2202	.0761
47	.261	.0055	.0055	.0026	.1267	.2336	.0807
48	.267	.0046	.0046	.0015	.0887	.1597	.0572
49	.272	.0028	.0028	.0009	.0781	.1362	.0463
50	.278	.0028	.0028	.0003	.0723	.1411	.0447
51	.283	.0027	.0027	.0001	.0313	.0218	.0172
52	.289	.0023	.0023	.0000	.0000	.0000	.0000
53	.294	.0018	.0018	.0000	.0000	.0000	.0000
54	.300	.0020	.0020	.0000	.0000	.0000	.0000
55	.306	.0022	.0022	.0000	.0000	.0000	.0000
56	.311	.0028	.0028	.0004	.0004	.0004	.0004
57	.317	.0031	.0031	.0006	.0006	.0011	.0004
58	.322	.0027	.0027	.0003	.0003	.0003	.0003
59	.328	.0020	.0020	.0000	.0000	.0000	.0000
60	.333	.0027	.0027	.0000	.0000	.0000	.0000

SMOOTHED MINICASTING SPECTRA COMPUTED MARCH 1963

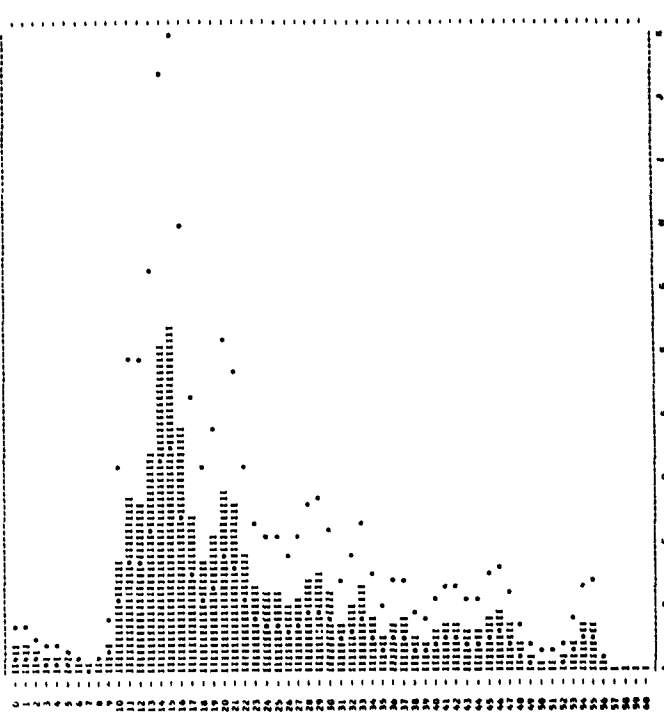


WINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 16/12/55 AV. T = 7.0 RECORD = JMC105
 HMR = 0 SIG.HGT. = 14.5 UPPER HGT. = 15.5
 CORR. VAR. = 1.1 LOWER HGT. = 15.5
 TOTAL DF = 200 NOISE LEVEL = .0021 WIND SPEED = 15

N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0750	.0750	.0720	.1354	.0444
1	.0000	.0741	.0719	.0719	.1320	.0430
2	.0111	.0509	.0500	.0500	.1047	.0362
3	.0117	.0441	.0441	.0420	.0974	.0260
4	.0222	.0409	.0409	.0387	.0911	.0217
5	.0228	.0343	.0343	.0322	.0854	.0209
6	.0333	.0174	.0174	.0153	.0267	.0137
7	.0339	.0231	.0231	.0200	.0191	.0098
8	.0444	.0161	.0161	.0140	.0174	.0320
9	.0550	.0752	.0752	.0731	.0858	.1582
10	.0556	.3076	.3076	.3056	.3005	.6424
11	.0661	.4751	.4751	.4730	.5341	.9043
12	.0667	.6688	.6688	.6667	.7293	.9756
13	.0772	.5953	.5953	.5932	.6504	1.2624
14	.0778	.8469	.8469	.8447	1.0263	1.6919
15	.0883	.8863	.8863	.8842	1.0879	2.0052
16	.0889	.5960	.5960	.5939	.7413	1.4035
17	.0994	.3516	.3516	.3495	.4719	.8008
18	.1000	.2467	.2467	.2446	.3491	.6035
19	.1006	.2717	.2717	.2696	.4186	.7112
20	.1111	.3515	.3515	.3493	.5674	1.0457
21	.1117	.2960	.2960	.2938	.5126	.9648
22	.1222	.1894	.1894	.1872	.3827	.6482
23	.1228	.1260	.1260	.1238	.2944	.6089
24	.1333	.1066	.1066	.1045	.2325	.4235
25	.1339	.0974	.0974	.0953	.2332	.4217
26	.1444	.0753	.0753	.0731	.1938	.3608
27	.1450	.0778	.0778	.0756	.2233	.4116
28	.1556	.0881	.0881	.0860	.2844	.5812
29	.1661	.0835	.0835	.0814	.2944	.5464
30	.1667	.0619	.0619	.0598	.2623	.4664
31	.1772	.1347	.1347	.1326	.1887	.2741
32	.1778	.0393	.0393	.0372	.1915	.3529
33	.1883	.0452	.0452	.0431	.2308	.4622
34	.1889	.0264	.0264	.0243	.2940	.5123
35	.1994	.0164	.0164	.0142	.1072	.1977
36	.2000	.0195	.0195	.0174	.1362	.2748
37	.2006	.0173	.0173	.0152	.1082	.2790
38	.2111	.0108	.0108	.0087	.0991	.1827
39	.2117	.0068	.0068	.0047	.0980	.1832
40	.2222	.0101	.0099	.0078	.1201	.2213
41	.2228	.0104	.0102	.0080	.1448	.2669
42	.2333	.0093	.0092	.0071	.1420	.2616
43	.2339	.0062	.0060	.0047	.1178	.2171
44	.2444	.0098	.0096	.0074	.1211	.2233
45	.2450	.0072	.0070	.0048	.1415	.2974
46	.2556	.0068	.0066	.0043	.1772	.3245
47	.2661	.0048	.0049	.0027	.1354	.2496
48	.2667	.0041	.0042	.0020	.0745	.1383
49	.2772	.0024	.0027	.0006	.0396	.0730
50	.2778	.0024	.0024	.0003	.0280	.0516
51	.2883	.0003	.0003	.0001	.0217	.0416
52	.2889	.0025	.0025	.0003	.0424	.0782
53	.2994	.0026	.0026	.0005	.0819	.1510
54	.3000	.0030	.0030	.0007	.1415	.2847
55	.3006	.0020	.0020	.0006	.1501	.2747
56	.3111	.0021	.0022	.0001	.0209	.0386
57	.3117	.0014	.0014	.0000	.0000	.0000
58	.3222	.0017	.0017	.0000	.0000	.0000
59	.3228	.0014	.0014	.0000	.0000	.0000
60	.3333	.0011	.0012	.0000	.0000	.0000

WINDCASTING SPECTRA COMPUTED JAN. 1963
 DATE = 16/12/55
 HMR = 0
 CORR. VAR. = 1.1
 NOISE LEVEL = .0021
 WIND SPEED = 15
 RECORD = JMC105
 SIG.HGT. = 14.5
 UPPER HGT. = 15.5
 LOWER HGT. = 15.5
 TOTAL DF = 200

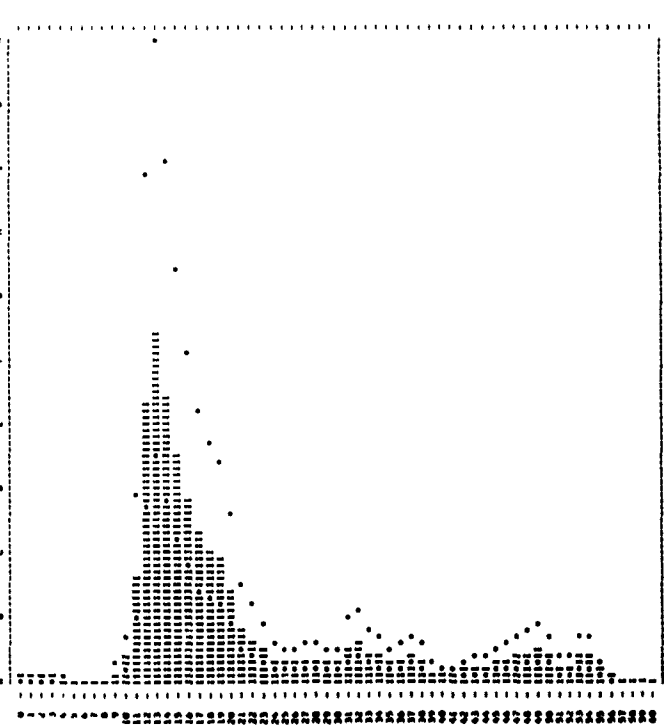


WINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 16/12/55 AV. T = 7.0 RECORD = JMC106
 HMR = 3 SIG.HGT. = 18.7 UPPER HGT. = 18.3
 CORR. VAR. = 17.5 LOWER HGT. = 15.3
 TOTAL DF = 183 NOISE LEVEL = .0036 WIND SPEED = 15

N	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0330	.0330	.0303	.0558	.0193
1	.0006	.0290	.0290	.0263	.0484	.0167
2	.0111	.0322	.0322	.0286	.0577	.0182
3	.0117	.0360	.0360	.0314	.0597	.0206
4	.0222	.0221	.0221	.0164	.0340	.0117
5	.0228	.0139	.0139	.0103	.0190	.0065
6	.0333	.0102	.0102	.0066	.0107	.0048
7	.0339	.0107	.0107	.0071	.0098	.0180
8	.0444	.0081	.0081	.0045	.0094	.0104
9	.0450	.0063	.0063	.0027	.0619	.0396
10	.0456	.1428	.1428	.1391	.1584	.2923
11	.0661	.0746	.0746	.0710	.0647	1.1883
12	.0667	1.3762	1.3762	1.3725	1.7818	3.2877
13	.0772	1.9544	1.9544	1.9508	2.2925	4.1518
14	.0778	1.3366	1.3366	1.3330	1.8196	3.2538
15	.0883	1.1812	1.1812	1.1776	1.4489	2.6705
16	.0889	.8993	.8993	.8907	1.1441	2.1087
17	.0994	.7019	.7019	.6983	.9430	1.7380
18	.1000	.5877	.5877	.5840	.8338	1.5389
19	.1006	.5161	.5161	.5105	.7757	1.4296
20	.1111	.3507	.3507	.3351	.5767	1.0630
21	.1117	.1956	.1956	.1800	.3349	.6172
22	.1222	.1437	.1437	.1401	.2637	.4691
23	.1228	.1014	.1014	.0978	.1996	.3679
24	.1333	.0610	.0610	.0574	.1274	.2391
25	.1339	.0465	.0465	.0429	.1045	.1927
26	.1444	.0401	.0401	.0365	.1191	.2196
27	.1450	.0462	.0462	.0426	.1257	.2316
28	.1556	.0451	.0451	.0415	.1358	.2503
29	.1661	.0339	.0339	.0303	.1162	.2032
30	.1667	.0295	.0295	.0259	.1037	.1824
31	.1772	.0299	.0299	.0263	.2160	.3981
32	.1778	.0205	.0205	.0169	.2616	.4449
33	.1883	.0255	.0255	.0219	.1837	.3424
34	.1889	.0273	.0273	.0237	.1569	.2891
35	.1994	.0188	.0188	.0152	.1164	.2108
36	.2000	.0183	.0183	.0147	.1287	.2336
37	.2006	.0282	.0282	.0246	.1645	.3031
38	.2111	.0145	.0145	.0109	.1242	.2726
39	.2117	.0082	.0082	.0046	.0614	.1133
40	.2222	.0040	.0040	.0003	.0335	.0695
41	.2228	.0096	.0096	.0059	.0385	.0785
42	.2333	.0076	.0076	.0039	.0423	.0819
43	.2339	.0069	.0069	.0032	.0507	.1480
44	.2444	.0069	.0069	.0032	.0972	.1791
45	.2450	.0071	.0071	.0034	.1189	.2191
46	.2556	.0070	.0070	.0033	.1351	.2491
47	.2661	.0066	.0066	.0029	.1478	.2726
48	.2667	.0060	.0060	.0023	.1761	.3382
49	.2772	.0065	.0065	.0028	.2037	.3735
50	.2778	.0066	.0066	.0029	.1636	.3015
51	.2883	.0060	.0060	.0023	.0840	.1643
52	.2889	.0061	.0061	.0024	.0932	.1734
53	.2994	.0064	.0064	.0027	.1176	.2082
54	.3000	.0066	.0066	.0029	.1617	.2908
55	.3006	.0037	.0037	.0001	.0773	.1425
56	.3111	.0037	.0037	.0001	.0846	.0493
57	.3117	.0036	.0036	.0000	.0000	.0000
58	.3222	.0027	.0027	.0000	.0000	.0000
59	.3228	.0022	.0022	.0000	.0000	.0000
60	.3333	.0021	.0022	.0000	.0000	.0000

WINDCASTING SPECTRA COMPUTED JAN. 1963
 DATE = 16/12/55
 HMR = 3
 CORR. VAR. = 17.5
 NOISE LEVEL = .0036
 WIND SPEED = 15
 RECORD = JMC106
 SIG.HGT. = 18.7
 UPPER HGT. = 18.3
 LOWER HGT. = 15.3
 TOTAL DF = 183

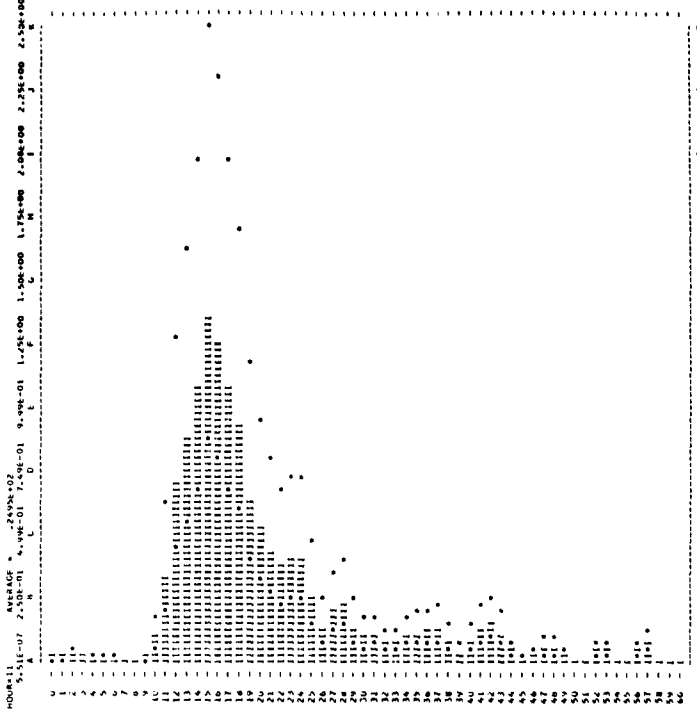


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/55 AV. T = 8.1 RECORD = JMC187
 HOUR = 11 SIG. HGT. = 14.5 UPPER HGT. = 15.0
 TOTAL DF = 103 CORR. VAR. = 13.2 LOWER HGT. = 13.3
 WIND LEVEL = .0020 WIND SPEED = 10

H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0144	.0144	.0144	.0144	.0265	.0092
1	.005	.0184	.0184	.0184	.0184	.0302	.0104
2	.011	.0229	.0229	.0209	.0209	.0355	.0113
3	.017	.0218	.0218	.0199	.0199	.0366	.0126
4	.022	.0249	.0249	.0199	.0199	.0201	.0089
5	.028	.0090	.0090	.0070	.0070	.0129	.0045
6	.033	.0089	.0089	.0069	.0069	.0112	.0071
7	.039	.0089	.0089	.0069	.0069	.0099	.0034
8	.044	.0044	.0044	.0025	.0025	.0031	.0056
9	.050	.0157	.0157	.0137	.0137	.0161	.0297
10	.056	.0020	.0020	.0000	.0000	.0012	.0080
11	.061	.2367	.2367	.2047	.2047	.3327	.6132
12	.067	.0119	.0119	.0100	.0100	.0919	1.2752
13	.072	.7421	.7421	.7401	.7401	.8777	1.6177
14	.078	.0079	.0079	.0059	.0059	1.0753	1.9814
15	.083	1.1030	1.1030	1.1010	1.1010	1.3567	2.4969
16	.089	.9725	.9725	.9705	.9705	1.2446	2.2977
17	.094	.7074	.7074	.7054	.7054	1.0741	1.9798
18	.100	.4494	.4494	.4474	.4474	.9244	1.7038
19	.106	.4197	.4197	.4177	.4177	.8394	1.4860
20	.111	.3209	.3209	.3189	.3189	.5178	.9543
21	.117	.2679	.2679	.2659	.2659	.4290	.7907
22	.122	.1960	.1960	.1940	.1940	.3633	.6734
23	.128	.1473	.1473	.1453	.1453	.3488	.7351
24	.133	.1771	.1771	.1751	.1751	.3894	.7178
25	.139	.1056	.1056	.1036	.1036	.2523	.4430
26	.144	.0506	.0506	.0486	.0486	.1301	.2397
27	.150	.0448	.0448	.0428	.0428	.1915	.3530
28	.156	.0484	.0484	.0464	.0464	.2179	.4016
29	.161	.0381	.0381	.0361	.0361	.1315	.2423
30	.167	.0248	.0248	.0228	.0228	.0931	.1716
31	.172	.0235	.0235	.0215	.0215	.0984	.1824
32	.178	.0162	.0162	.0142	.0142	.0733	.1350
33	.183	.0139	.0139	.0119	.0119	.0495	.1281
34	.189	.0171	.0171	.0151	.0151	.1000	.1843
35	.194	.0161	.0161	.0141	.0141	.1087	.1766
36	.200	.0153	.0153	.0133	.0133	.1144	.2117
37	.206	.0144	.0144	.0124	.0124	.1227	.2266
38	.211	.0087	.0087	.0067	.0067	.0771	.1421
39	.217	.0048	.0048	.0028	.0028	.0367	.0877
40	.222	.0070	.0070	.0050	.0050	.0805	.1483
41	.228	.0107	.0107	.0087	.0087	.1258	.2319
42	.233	.0085	.0085	.0065	.0065	.1360	.2544
43	.239	.0064	.0064	.0044	.0044	.1033	.1904
44	.244	.0010	.0010	.0000	.0000	.0438	.0808
45	.250	.0016	.0016	.0002	.0002	.0080	.0147
46	.256	.0027	.0027	.0005	.0005	.0225	.0413
47	.261	.0011	.0011	.0000	.0000	.0506	.0933
48	.267	.0011	.0011	.0000	.0000	.0549	.1048
49	.272	.0025	.0025	.0004	.0004	.0298	.0544
50	.278	.0016	.0016	.0000	.0000	.0000	.0000
51	.283	.0019	.0019	.0000	.0000	.0000	.0000
52	.289	.0025	.0025	.0003	.0003	.0387	.0714
53	.294	.0023	.0023	.0003	.0003	.0734	.0803
54	.300	.0019	.0019	.0000	.0000	.0000	.0000
55	.306	.0019	.0019	.0000	.0000	.0000	.0000
56	.311	.0027	.0027	.0001	.0001	.0424	.0782
57	.317	.0021	.0021	.0001	.0001	.0424	.0782
58	.322	.0019	.0019	.0000	.0000	.0000	.0000
59	.328	.0017	.0017	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963

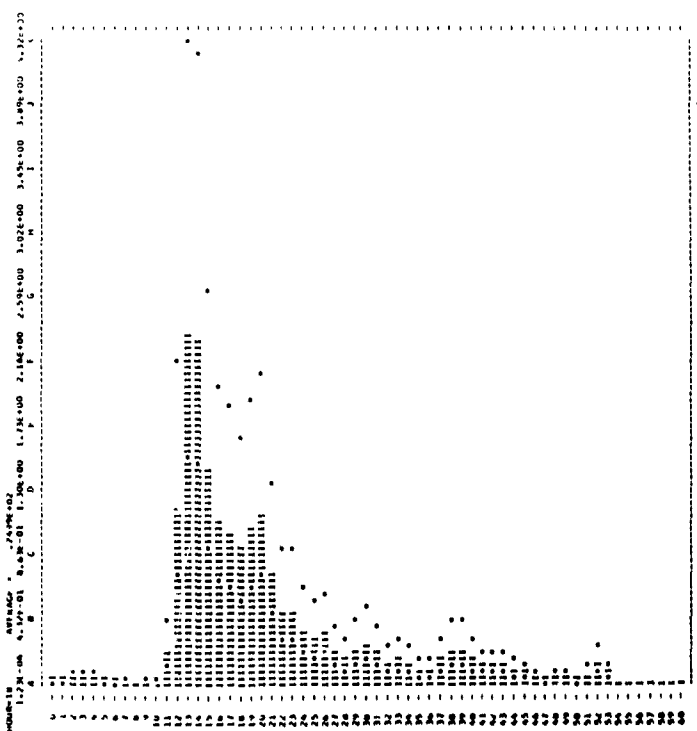


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 10/12/55 AV. T = 8.1 RECORD = JMC188
 HOUR = 12 SIG. HGT. = 17.5 UPPER HGT. = 19.1
 TOTAL DF = 169 CORR. VAR. = 19.1 LOWER HGT. = 16.0
 WIND LEVEL = .0025 WIND SPEED = 10

H	FREQ.	UNIT=FT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0330	.0330	.0305	.0305	.0562	.0194
1	.006	.0161	.0161	.0136	.0136	.0619	.0214
2	.011	.0489	.0489	.0463	.0463	.0853	.0295
3	.017	.0524	.0524	.0499	.0499	.0819	.0318
4	.022	.0418	.0418	.0393	.0393	.0724	.0250
5	.028	.0280	.0280	.0265	.0265	.0489	.0159
6	.033	.0172	.0172	.0157	.0157	.0217	.0151
7	.039	.0123	.0123	.0098	.0098	.0134	.0248
8	.044	.0116	.0116	.0091	.0091	.0113	.0208
9	.050	.0149	.0149	.0124	.0124	.0144	.0264
10	.056	.0159	.0159	.0134	.0134	.0152	.0207
11	.061	.2071	.2071	.2051	.2051	.2260	.4221
12	.067	1.0408	1.0408	1.0383	1.0383	1.1778	2.1708
13	.072	2.0309	2.0309	2.0284	2.0284	2.1622	4.1171
14	.078	1.9212	1.9212	1.9257	1.9257	2.4998	4.2136
15	.083	1.1706	1.1706	1.1681	1.1681	1.4372	2.8506
16	.089	.8364	.8364	.8339	.8339	1.0712	1.9744
17	.094	.7424	.7424	.7401	.7401	.9995	1.8421
18	.100	.6294	.6294	.6274	.6274	.8496	1.6508
19	.106	.6057	.6057	.6032	.6032	1.0380	1.9133
20	.111	.4943	.4943	.4918	.4918	1.1235	2.0709
21	.117	.4148	.4148	.4123	.4123	.7193	1.3257
22	.122	.2594	.2594	.2563	.2563	.4826	.8896
23	.128	.2456	.2456	.2431	.2431	.4943	.9147
24	.133	.1353	.1353	.1328	.1328	.3400	.6266
25	.139	.1273	.1273	.1248	.1248	.3039	.5801
26	.144	.1253	.1253	.1228	.1228	.3287	.6038
27	.150	.0764	.0764	.0739	.0739	.2182	.4021
28	.156	.0522	.0522	.0497	.0497	.1625	.2999
29	.161	.0670	.0670	.0649	.0649	.2449	.4330
30	.167	.0493	.0493	.0468	.0468	.2721	.5015
31	.172	.0478	.0478	.0453	.0453	.2049	.3813
32	.178	.0307	.0307	.0282	.0282	.1452	.2676
33	.183	.0294	.0294	.0265	.0265	.1542	.2842
34	.189	.0243	.0243	.0218	.0218	.1639	.2652
35	.194	.0144	.0144	.0111	.0111	.0800	.1678
36	.200	.0136	.0136	.0111	.0111	.0961	.1771
37	.206	.0190	.0190	.0165	.0165	.1636	.3016
38	.211	.0174	.0174	.0149	.0149	.2301	.4242
39	.217	.0404	.0404	.0379	.0379	.2324	.4283
40	.222	.0118	.0118	.0102	.0102	.1574	.2711
41	.228	.0074	.0074	.0054	.0054	.1117	.2060
42	.233	.0082	.0082	.0074	.0074	.1142	.2104
43	.239	.0078	.0078	.0064	.0064	.1207	.2225
44	.244	.0057	.0057	.0034	.0034	.0984	.1814
45	.250	.0043	.0043	.0019	.0019	.0654	.1206
46	.256	.0032	.0032	.0004	.0004	.0359	.0659
47	.261	.0027	.0027	.0000	.0000	.0244	.0453
48	.267	.0034	.0034	.0008	.0008	.0472	.0871
49	.272	.0037	.0037	.0008	.0008	.0566	.1043
50	.278	.0028	.0028	.0000	.0000	.0394	.0750
51	.283	.0029	.0029	.0006	.0006	.0447	.1183
52	.289	.0042	.0042	.0010	.0010	.1342	.2474
53	.294	.0030	.0030	.0000	.0000	.0726	.1341
54	.300	.0019	.0019	.0000	.0000	.0000	.0000
55	.306	.0023	.0023	.0000	.0000	.0000	.0000
56	.311	.0027	.0027	.0000	.0000	.0000	.0000
57	.317	.0021	.0021	.0000	.0000	.0000	.0000
58	.322	.0014	.0014	.0000	.0000	.0000	.0000
59	.328	.0021	.0021	.0000	.0000	.0000	.0000
60	.333	.0025	.0025	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963

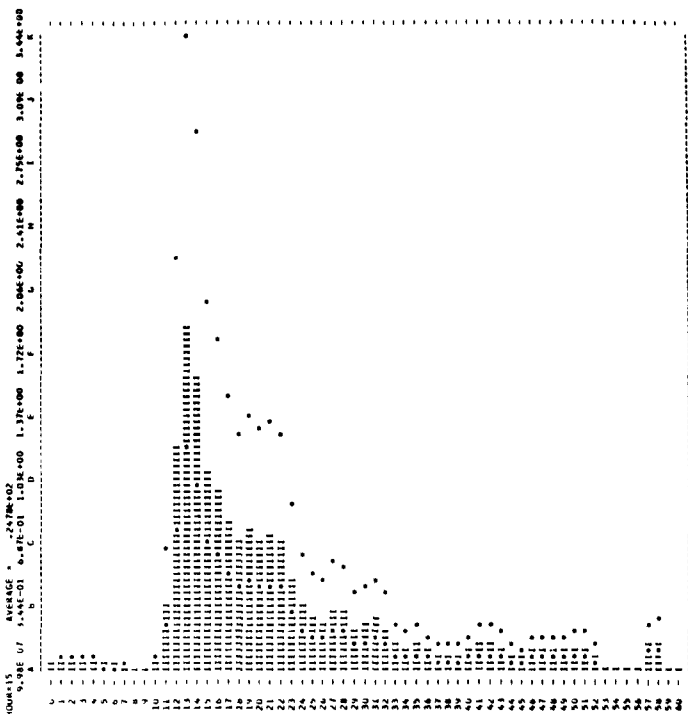


RECASTING SPECTRA COMPUTED JAN. 1963

DATE = 1/12/55 AV. T = 7.5 RECORD = JML191
 HOUR = 15 SIG. HGT. = 14.4 UPPER HGT. = 17.8
 TOTAL DP = 202 CORR. VAR. = 14.8 LOWER HGT. = 15.1
 NOISE LEVEL = .0026 WIND SPEED = 5

M	FRE. UNIT	F1.2	FILTERED	NOISE	CORR. F1.2	UPPER	LOWER
0	.000	.0300	.0300	.0275	.0275	.0507	.0135
1	.006	.0305	.0305	.0341	.0341	.0465	.0230
2	.011	.0413	.0413	.0389	.0389	.0716	.0247
3	.017	.0376	.0376	.0351	.0351	.0648	.0222
4	.022	.0319	.0319	.0294	.0294	.0543	.0187
5	.028	.0212	.0212	.0187	.0187	.0345	.0119
6	.033	.0167	.0167	.0142	.0142	.0234	.0100
7	.039	.0143	.0143	.0119	.0119	.0163	.0104
8	.046	.0094	.0094	.0070	.0070	.0140	.0059
9	.050	.0104	.0104	.0079	.0079	.0083	.0132
10	.056	.0289	.0289	.0265	.0265	.0302	.0192
11	.061	.3161	.3161	.3117	.3117	.3519	.2291
12	.067	1.0681	1.0681	1.0627	1.0626	1.2217	.7479
13	.072	1.6170	1.6170	1.6145	1.6144	1.8443	1.1871
14	.078	1.3307	1.3307	1.3283	1.3282	1.5767	1.0039
15	.083	.8784	.8784	.8760	.8759	1.0778	1.0665
16	.089	.7610	.7610	.7586	.7585	.9744	1.0759
17	.094	.5946	.5946	.5921	.5920	.7896	1.4758
18	.100	.4815	.4815	.4801	.4800	.6489	1.4670
19	.106	.4952	.4952	.4927	.4926	.7486	1.3798
20	.111	.4332	.4332	.4307	.4306	.6999	1.2693
21	.117	.4196	.4196	.4172	.4171	.5277	1.3413
22	.122	.3695	.3695	.3670	.3669	.4911	1.2737
23	.128	.2397	.2397	.2373	.2372	.4844	.8428
24	.133	.1515	.1515	.1490	.1489	.3318	.6140
25	.139	.1146	.1146	.1121	.1120	.2730	.5013
26	.144	.0945	.0945	.0921	.0920	.2571	.4758
27	.150	.1091	.1091	.1066	.1065	.3148	.5802
28	.156	.0957	.0957	.0932	.0931	.3051	.5623
29	.161	.0836	.0836	.0812	.0811	.2228	.4107
30	.167	.0899	.0899	.0874	.0873	.2340	.4313
31	.172	.0807	.0807	.0783	.0782	.2461	.4504
32	.178	.0854	.0854	.0829	.0828	.2211	.4075
33	.184	.0852	.0852	.0827	.0826	.1323	.2439
34	.189	.0180	.0180	.0155	.0154	.1027	.1892
35	.196	.0189	.0189	.0164	.0163	.1212	.2234
36	.200	.0133	.0133	.0108	.0107	.0869	.1483
37	.206	.0095	.0095	.0071	.0070	.0702	.1294
38	.211	.0089	.0089	.0064	.0063	.0736	.1356
39	.217	.0082	.0082	.0057	.0056	.0748	.1387
40	.222	.0089	.0089	.0064	.0063	.1004	.1850
41	.228	.0099	.0099	.0074	.0073	.1253	.2310
42	.233	.0089	.0089	.0064	.0063	.1207	.2390
43	.239	.0066	.0066	.0042	.0041	.1042	.1921
44	.244	.0065	.0065	.0040	.0039	.0710	.1310
45	.250	.0039	.0039	.0019	.0018	.0444	.0810
46	.256	.0048	.0048	.0023	.0022	.0868	.1400
47	.261	.0045	.0045	.0020	.0019	.0975	.1798
48	.267	.0037	.0037	.0018	.0017	.0768	.1410
49	.272	.0040	.0040	.0014	.0013	.1001	.1845
50	.278	.0036	.0036	.0013	.0012	.1103	.2032
51	.283	.0030	.0030	.0011	.0010	.1186	.2113
52	.289	.0033	.0033	.0005	.0004	.0891	.1273
53	.294	.0016	.0016	.0000	.0000	.0000	.0000
54	.300	.0016	.0016	.0000	.0000	.0000	.0000
55	.306	.0021	.0020	.0000	.0000	.0000	.0000
56	.311	.0073	.0073	.0000	.0000	.0000	.0000
57	.317	.0030	.0028	.0004	.0003	.1362	.2511
58	.322	.0030	.0028	.0003	.0002	.1472	.2714
59	.328	.0021	.0022	.0000	.0000	.0000	.0000
60	.333	.0016	.0019	.0000	.0000	.0000	.0000

RECASTING SPECTRA COMPUTED JAN. 1963 JML191 1/12/55
 AVERAGE = .0000000
 9.98E-07 3.44E-01 6.67E-01 1.03E+00 1.37E+00 1.72E+00 2.08E+00 2.45E+00 2.81E+00 3.16E+00

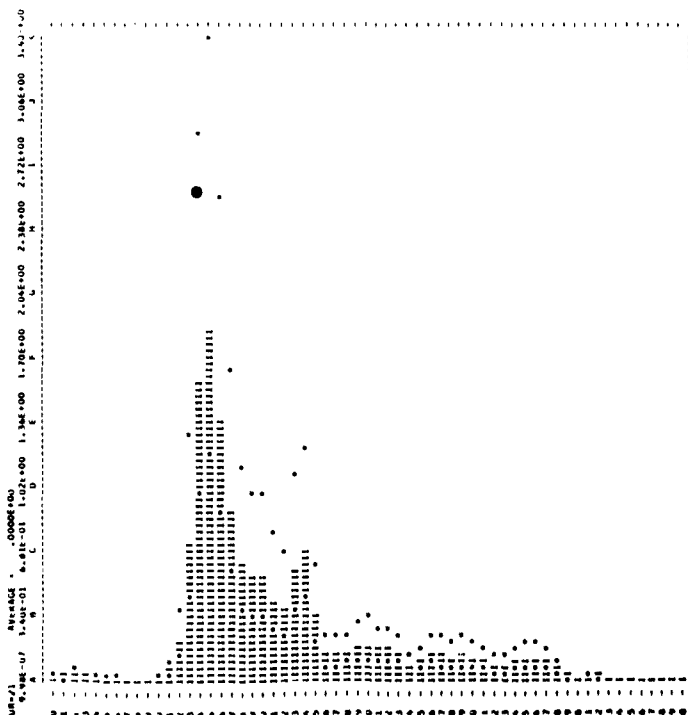


SMOOTHED RECASTING SPECTRA COMPUTED MARCH 1963

DATE = 1/12/55 AV. T = 7.4 RECORD = JML192
 HOUR = 21 SIG. HGT. = 14.8 UPPER HGT. = 16.2
 TOTAL DP = 199 CORR. VAR. = 13.6 LOWER HGT. = 13.5
 NOISE LEVEL = .0020 WIND SPEED = 5

M	FRE. UNIT	F1.2	FILTERED	NOISE	CORR. F1.2	UPPER	LOWER
0	.000	.0132	.0132	.0112	.0112	.0294	.0071
1	.006	.0701	.0701	.0181	.0181	.0333	.0115
2	.011	.0324	.0324	.0309	.0309	.0549	.0197
3	.017	.0292	.0292	.0272	.0272	.0501	.0173
4	.022	.0164	.0164	.0144	.0144	.0265	.0092
5	.028	.0133	.0133	.0113	.0113	.0208	.0072
6	.033	.0094	.0094	.0079	.0079	.0127	.0235
7	.039	.0071	.0071	.0051	.0051	.0070	.0129
8	.044	.0058	.0058	.0048	.0048	.0047	.0087
9	.050	.0088	.0088	.0068	.0068	.0080	.0147
10	.056	.0116	.0116	.0116	.0112	.0243	.0084
11	.061	.0109	.0109	.0089	.0089	.0107	.0351
12	.067	1.1757	1.1757	1.1737	1.1737	1.9770	1.8531
13	.072	1.6095	1.6095	1.6075	1.6075	2.1292	1.4466
14	.078	1.3181	1.3181	1.3161	1.3161	1.5827	1.9627
15	.083	1.7010	1.7010	1.7010	1.7010	1.8448	1.4039
16	.089	1.0752	1.0752	1.0732	1.0732	1.3785	1.5408
17	.094	.8840	.8840	.8820	.8819	1.0939	1.4677
18	.100	.4665	.4665	.4645	.4644	.6000	1.1170
19	.106	.3567	.3567	.3542	.3541	.4918	.3428
20	.111	.3299	.3299	.3279	.3278	.5325	.9815
21	.117	.2444	.2444	.2429	.2429	.4237	.7809
22	.122	.1974	.1974	.1934	.1934	.3641	.6711
23	.128	.2905	.2905	.2885	.2884	.3889	1.0855
24	.133	.3025	.3025	.3005	.3004	.4484	1.2310
25	.139	.1356	.1356	.1336	.1335	.2555	.5995
26	.144	.0481	.0481	.0461	.0460	.1233	.2273
27	.150	.0426	.0426	.0406	.0405	.1204	.2219
28	.156	.0429	.0429	.0409	.0408	.1338	.2444
29	.161	.0390	.0390	.0370	.0369	.1747	.3220
30	.167	.0475	.0475	.0455	.0454	.1852	.3413
31	.172	.0363	.0363	.0343	.0342	.1563	.2885
32	.178	.0323	.0323	.0303	.0302	.1554	.2874
33	.183	.0256	.0256	.0236	.0235	.1372	.2529
34	.189	.0144	.0144	.0124	.0124	.0819	.1509
35	.196	.0145	.0145	.0125	.0124	.0941	.1734
36	.200	.0178	.0178	.0158	.0157	.1348	.2511
37	.206	.0151	.0151	.0131	.0130	.1297	.2391
38	.211	.0121	.0121	.0101	.0100	.1154	.2127
39	.217	.0119	.0119	.0099	.0098	.1311	.2418
40	.222	.0096	.0096	.0076	.0075	.1173	.2162
41	.228	.0086	.0086	.0066	.0065	.0842	.1645
42	.233	.0067	.0067	.0047	.0046	.0842	.1274
43	.239	.0092	.0092	.0072	.0071	.0771	.1421
44	.244	.0056	.0056	.0036	.0035	.0963	.1774
45	.250	.0052	.0052	.0032	.0031	.0948	.1724
46	.256	.0049	.0049	.0029	.0028	.1111	.2047
47	.261	.0038	.0038	.0018	.0017	.0907	.1671
48	.267	.0030	.0030	.0010	.0009	.0946	.1047
49	.272	.0023	.0023	.0004	.0004	.0254	.0448
50	.278	.0020	.0020	.0001	.0001	.0091	.0188
51	.283	.0022	.0022	.0002	.0002	.0163	.0300
52	.289	.0027	.0027	.0002	.0002	.0119	.0366
53	.294	.0019	.0019	.0000	.0000	.0000	.0000
54	.300	.0014	.0014	.0000	.0000	.0000	.0000
55	.306	.0014	.0014	.0000	.0000	.0000	.0000
56	.311	.0018	.0018	.0000	.0000	.0000	.0000
57	.317	.0020	.0020	.0000	.0000	.0000	.0000
58	.322	.0024	.0023	.0003	.0003	.0003	.0003
59	.328	.0024	.0023	.0003	.0003	.0003	.0003
60	.333	.0022	.0023	.0003	.0003	.0003	.0003

SMOOTHED RECASTING SPECTRA COMPUTED MARCH 1963 JML192 1/12/55
 AVERAGE = .0000000
 9.98E-07 3.44E-01 6.67E-01 1.03E+00 1.37E+00 1.72E+00 2.08E+00 2.45E+00 2.81E+00 3.16E+00

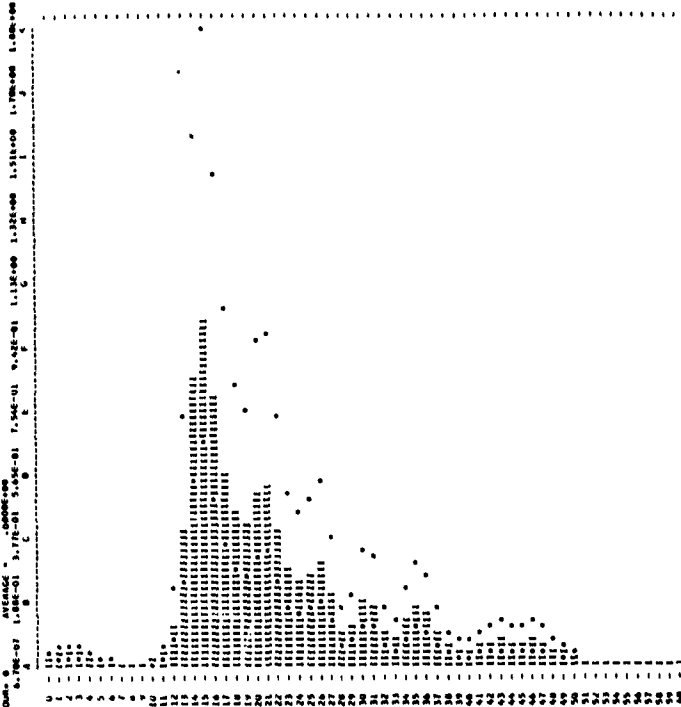


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 10/12/55 AV. T = 7.7 RECORD = JMC193
 HOUR = 0 SIG. HGT. = 12.3 UPPER HGT. = 13.3
 TOTAL UP = 170 CORR. F.L. = 0.0 LOWER HGT. = 11.3
 NOISE LEVEL = .0010 WIND SPEED = 10

M	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0295	.0295	.0295	.0451	.0156
1	.004	.0302	.0302	.0302	.0452	.0156
2	.012	.0308	.0308	.0308	.0451	.0152
3	.017	.0306	.0306	.0306	.0452	.0152
4	.022	.0305	.0305	.0305	.0451	.0150
5	.028	.0305	.0305	.0305	.0451	.0149
6	.033	.0304	.0304	.0304	.0451	.0148
7	.037	.0304	.0304	.0304	.0451	.0148
8	.044	.0303	.0303	.0303	.0451	.0147
9	.050	.0302	.0302	.0302	.0451	.0147
10	.054	.0302	.0302	.0302	.0451	.0147
11	.061	.0301	.0301	.0301	.0451	.0146
12	.067	.0301	.0301	.0301	.0451	.0146
13	.072	.0301	.0301	.0301	.0451	.0146
14	.078	.0301	.0301	.0301	.0451	.0146
15	.083	.0301	.0301	.0301	.0451	.0146
16	.089	.0301	.0301	.0301	.0451	.0146
17	.094	.0301	.0301	.0301	.0451	.0146
18	.100	.0301	.0301	.0301	.0451	.0146
19	.106	.0301	.0301	.0301	.0451	.0146
20	.111	.0301	.0301	.0301	.0451	.0146
21	.117	.0301	.0301	.0301	.0451	.0146
22	.122	.0301	.0301	.0301	.0451	.0146
23	.128	.0301	.0301	.0301	.0451	.0146
24	.133	.0301	.0301	.0301	.0451	.0146
25	.138	.0301	.0301	.0301	.0451	.0146
26	.144	.0301	.0301	.0301	.0451	.0146
27	.150	.0301	.0301	.0301	.0451	.0146
28	.156	.0301	.0301	.0301	.0451	.0146
29	.161	.0301	.0301	.0301	.0451	.0146
30	.167	.0301	.0301	.0301	.0451	.0146
31	.172	.0301	.0301	.0301	.0451	.0146
32	.178	.0301	.0301	.0301	.0451	.0146
33	.183	.0301	.0301	.0301	.0451	.0146
34	.189	.0301	.0301	.0301	.0451	.0146
35	.194	.0301	.0301	.0301	.0451	.0146
36	.200	.0301	.0301	.0301	.0451	.0146
37	.206	.0301	.0301	.0301	.0451	.0146
38	.211	.0301	.0301	.0301	.0451	.0146
39	.217	.0301	.0301	.0301	.0451	.0146
40	.222	.0301	.0301	.0301	.0451	.0146
41	.228	.0301	.0301	.0301	.0451	.0146
42	.233	.0301	.0301	.0301	.0451	.0146
43	.239	.0301	.0301	.0301	.0451	.0146
44	.244	.0301	.0301	.0301	.0451	.0146
45	.250	.0301	.0301	.0301	.0451	.0146
46	.256	.0301	.0301	.0301	.0451	.0146
47	.261	.0301	.0301	.0301	.0451	.0146
48	.267	.0301	.0301	.0301	.0451	.0146
49	.272	.0301	.0301	.0301	.0451	.0146
50	.278	.0301	.0301	.0301	.0451	.0146
51	.283	.0301	.0301	.0301	.0451	.0146
52	.289	.0301	.0301	.0301	.0451	.0146
53	.294	.0301	.0301	.0301	.0451	.0146
54	.300	.0301	.0301	.0301	.0451	.0146
55	.306	.0301	.0301	.0301	.0451	.0146
56	.311	.0301	.0301	.0301	.0451	.0146
57	.317	.0301	.0301	.0301	.0451	.0146
58	.322	.0301	.0301	.0301	.0451	.0146
59	.328	.0301	.0301	.0301	.0451	.0146
60	.333	.0301	.0301	.0301	.0451	.0146

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0
 AVERAGE
 1.00E-07 1.00E-01 3.77E-01 5.00E-01 7.00E-01 1.00E-00 1.00E+00 1.00E+00 1.00E+00
 JMC193 10/12/55



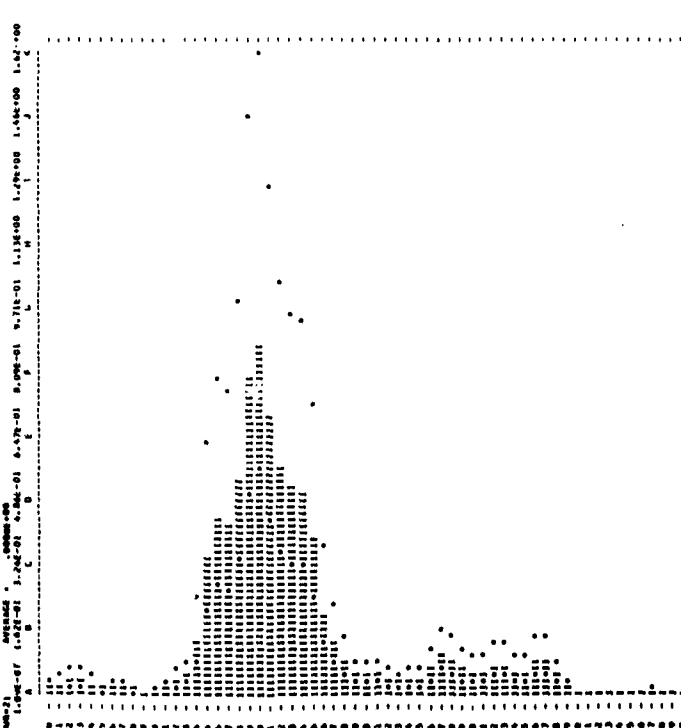
NO. 1 ON UNLIMITED SPECTRA
 03/18/63
 JMC193 10/12/55

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 11/09/61 AV. T = 7.4 RECORD = DL 41
 HOUR = 21 SIG. HGT. = 11.3 UPPER HGT. = 12.4
 TOTAL UP = 170 CORR. F.L. = 0.0 LOWER HGT. = 10.4
 NOISE LEVEL = .0034 WIND SPEED = 0

M	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0216	.0216	.0180	.0331	.0114
1	.004	.0216	.0216	.0216	.0332	.0114
2	.011	.0216	.0216	.0216	.0332	.0111
3	.017	.0216	.0216	.0216	.0332	.0111
4	.022	.0216	.0216	.0216	.0332	.0111
5	.028	.0216	.0216	.0216	.0332	.0111
6	.033	.0216	.0216	.0216	.0332	.0111
7	.037	.0216	.0216	.0216	.0332	.0111
8	.044	.0216	.0216	.0216	.0332	.0111
9	.050	.0216	.0216	.0216	.0332	.0111
10	.054	.0216	.0216	.0216	.0332	.0111
11	.061	.0216	.0216	.0216	.0332	.0111
12	.067	.0216	.0216	.0216	.0332	.0111
13	.072	.0216	.0216	.0216	.0332	.0111
14	.078	.0216	.0216	.0216	.0332	.0111
15	.083	.0216	.0216	.0216	.0332	.0111
16	.089	.0216	.0216	.0216	.0332	.0111
17	.094	.0216	.0216	.0216	.0332	.0111
18	.100	.0216	.0216	.0216	.0332	.0111
19	.106	.0216	.0216	.0216	.0332	.0111
20	.111	.0216	.0216	.0216	.0332	.0111
21	.117	.0216	.0216	.0216	.0332	.0111
22	.122	.0216	.0216	.0216	.0332	.0111
23	.128	.0216	.0216	.0216	.0332	.0111
24	.133	.0216	.0216	.0216	.0332	.0111
25	.138	.0216	.0216	.0216	.0332	.0111
26	.144	.0216	.0216	.0216	.0332	.0111
27	.150	.0216	.0216	.0216	.0332	.0111
28	.156	.0216	.0216	.0216	.0332	.0111
29	.161	.0216	.0216	.0216	.0332	.0111
30	.167	.0216	.0216	.0216	.0332	.0111
31	.172	.0216	.0216	.0216	.0332	.0111
32	.178	.0216	.0216	.0216	.0332	.0111
33	.183	.0216	.0216	.0216	.0332	.0111
34	.189	.0216	.0216	.0216	.0332	.0111
35	.194	.0216	.0216	.0216	.0332	.0111
36	.200	.0216	.0216	.0216	.0332	.0111
37	.206	.0216	.0216	.0216	.0332	.0111
38	.211	.0216	.0216	.0216	.0332	.0111
39	.217	.0216	.0216	.0216	.0332	.0111
40	.222	.0216	.0216	.0216	.0332	.0111
41	.228	.0216	.0216	.0216	.0332	.0111
42	.233	.0216	.0216	.0216	.0332	.0111
43	.239	.0216	.0216	.0216	.0332	.0111
44	.244	.0216	.0216	.0216	.0332	.0111
45	.250	.0216	.0216	.0216	.0332	.0111
46	.256	.0216	.0216	.0216	.0332	.0111
47	.261	.0216	.0216	.0216	.0332	.0111
48	.267	.0216	.0216	.0216	.0332	.0111
49	.272	.0216	.0216	.0216	.0332	.0111
50	.278	.0216	.0216	.0216	.0332	.0111
51	.283	.0216	.0216	.0216	.0332	.0111
52	.289	.0216	.0216	.0216	.0332	.0111
53	.294	.0216	.0216	.0216	.0332	.0111
54	.300	.0216	.0216	.0216	.0332	.0111
55	.306	.0216	.0216	.0216	.0332	.0111
56	.311	.0216	.0216	.0216	.0332	.0111
57	.317	.0216	.0216	.0216	.0332	.0111
58	.322	.0216	.0216	.0216	.0332	.0111
59	.328	.0216	.0216	.0216	.0332	.0111
60	.333	.0216	.0216	.0216	.0332	.0111

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 21
 AVERAGE
 1.00E-07 1.00E-01 3.77E-01 5.00E-01 7.00E-01 1.00E-00 1.00E+00 1.00E+00 1.00E+00
 DL 41 11/09/61



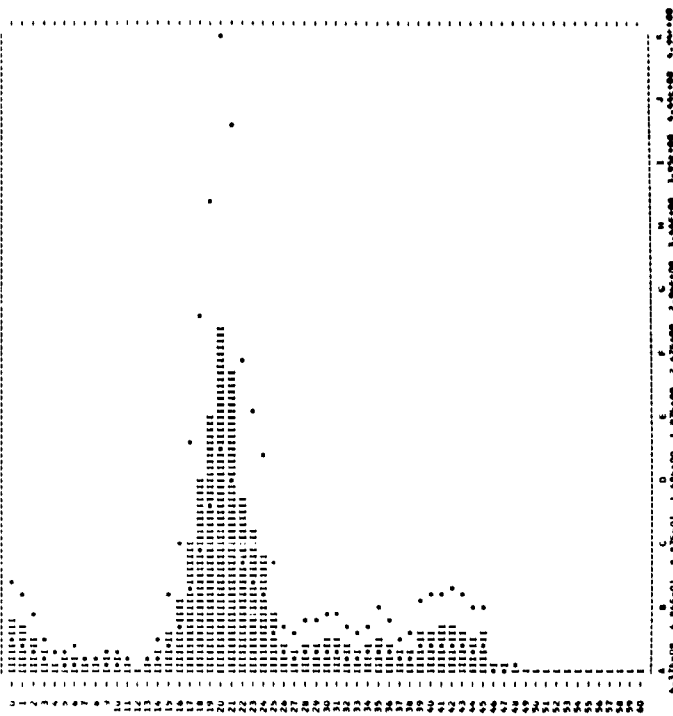
NO. 1 ON UNLIMITED SPECTRA
 03/18/63
 DL 41 11/09/61

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T = 7.3 RECORD = DL 62
 HOUR = 3 SLOANGL = 18.2 UPPER MGT. = 14.9
 TOTAL OF 167 CORR. VAL. = 20.7 LOWER MGT. = 14.7
 NOISE LEVEL = .0267 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.4005	.4005	.3738	.3738	.4027
1	.006	.3938	.3938	.3291	.3291	.4066
2	.011	.2620	.2620	.2373	.2373	.4374
3	.017	.1962	.1962	.1915	.1915	.4264
4	.022	.0975	.0975	.0720	.0720	.4342
5	.028	.1066	.1066	.0819	.0819	.4510
6	.033	.0958	.0958	.0711	.0711	.4208
7	.039	.0681	.0681	.0514	.0514	.4062
8	.044	.0698	.0698	.0491	.0491	.3990
9	.050	.0958	.0958	.0821	.0821	.4055
10	.056	.1001	.1001	.0794	.0794	.3903
11	.061	.0654	.0654	.0407	.0422	.3778
12	.067	.0255	.0255	.0100	.0111	.0204
13	.072	.0673	.0673	.0426	.0437	.0204
14	.078	.1495	.1495	.1248	.1292	.2381
15	.083	.1263	.1263	.1016	.1171	.2064
16	.089	.5379	.5379	.5132	.5487	1.0058
17	.094	.9049	.9049	.8822	.9734	1.7442
18	.100	1.3308	1.3308	1.3301	1.4889	2.7405
19	.106	1.7097	1.7097	1.6850	1.9822	3.4863
20	.111	2.2036	2.2036	2.1807	2.6796	4.9358
21	.117	1.8301	1.8301	1.8056	2.3140	4.2850
22	.122	1.0039	1.0039	.9792	1.3140	2.4400
23	.128	.8100	.8100	.7853	1.1077	2.0416
24	.133	.6285	.6285	.6038	.8878	1.6950
25	.139	.3221	.3221	.2974	.4678	.8823
26	.144	.1417	.1417	.1170	.1952	.3598
27	.150	.1132	.1132	.0885	.1470	.2893
28	.156	.1331	.1331	.1084	.2091	.3780
29	.161	.1281	.1281	.1034	.2092	.3856
30	.167	.1148	.1148	.1102	.2392	.4400
31	.172	.1266	.1266	.1019	.2377	.4380
32	.178	.1012	.1012	.0765	.1928	.3549
33	.183	.0807	.0807	.0560	.1522	.2806
34	.189	.0918	.0918	.0671	.1978	.3444
35	.194	.1059	.1059	.0812	.2600	.4792
36	.200	.0858	.0858	.0608	.2122	.3911
37	.206	.0580	.0580	.0333	.1569	.2738
38	.211	.0844	.0844	.0397	.1458	.3053
39	.217	.0879	.0879	.0432	.2497	.5130
40	.222	.0685	.0685	.0617	.3112	.7736
41	.228	.0808	.0808	.0549	.3273	.8033
42	.233	.0841	.0841	.0557	.3424	.8310
43	.239	.0724	.0724	.0486	.3179	.8598
44	.244	.0563	.0563	.0358	.2712	.4499
45	.250	.0568	.0568	.0331	.2800	.5161
46	.256	.0614	.0614	.0358	.0318	.0623
47	.261	.0544	.0544	.0271	.0499	.0172
48	.267	.0369	.0369	.0153	.0094	.0097
49	.272	.0316	.0316	.0094	.0094	.0173
50	.278	.0363	.0363	.0097	.0087	.0180
51	.283	.0294	.0294	.0087	.0087	.0086
52	.289	.0223	.0223	.0080	.0080	.0015
53	.294	.0281	.0281	.0021	.0039	.0014
54	.300	.0288	.0288	.0000	.0000	.0035
55	.306	.0206	.0206	.0000	.0000	.0000
56	.311	.0195	.0195	.0000	.0000	.0000
57	.317	.0265	.0265	.0011	.0011	.0000
58	.322	.0107	.0107	.0029	.0029	.0054
59	.328	.0224	.0224	.0000	.0000	.0000
60	.333	.0149	.0149	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3
 AVERAGE = .000000
 CORR. VAL. = 20.7
 NOISE LEVEL = .0267
 WIND SPEED = 0

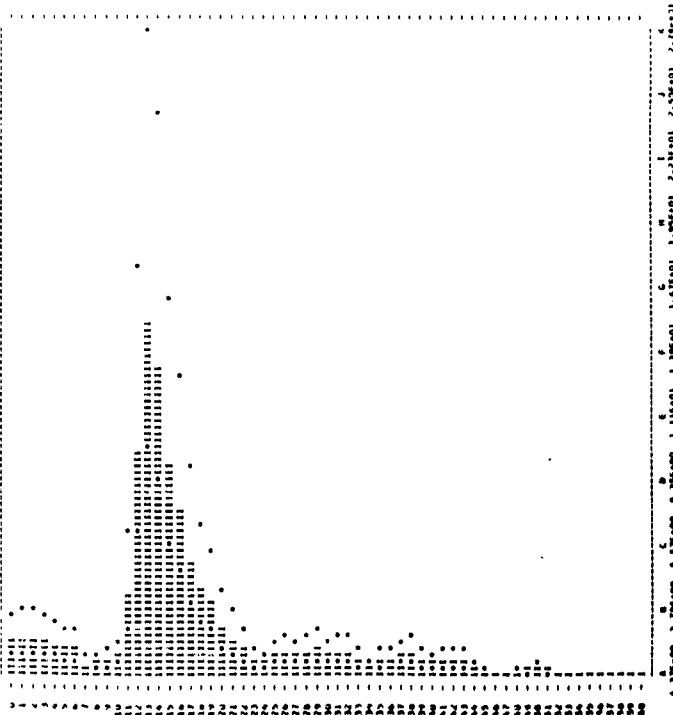


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T = 7.6 RECORD = DL 63
 HOUR = 3 SLOANGL = 34.9 UPPER MGT. = 44.0
 TOTAL OF 140 CORR. VAL. = 99.5 LOWER MGT. = 36.2
 NOISE LEVEL = .0750 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.F1.2	UPPER	LOWER
0	.100	1.4004	1.4004	1.3254	1.3254	2.4429
1	.106	1.5447	1.5447	1.4497	1.4497	2.7089
2	.111	1.5760	1.5760	1.5000	1.5000	2.7647
3	.117	1.3714	1.3714	1.2904	1.2904	2.3894
4	.122	1.2792	1.2792	1.2042	1.2042	2.2195
5	.128	1.1720	1.1720	1.0470	1.0470	1.9298
6	.133	.7240	.7240	.6440	.6440	1.2225
7	.139	.3880	.3880	.3130	.3130	.4156
8	.144	.4818	.4818	.4108	.4108	.4928
9	.150	.5870	.5870	.5120	.5120	.6083
10	.156	.8732	.8732	.7542	.7542	.8017
11	.161	3.2187	3.2187	3.1437	3.1438	6.0116
12	.167	4.3315	4.3315	4.2565	4.2566	8.0055
13	.172	14.7911	14.7911	14.7161	15.0087	27.8292
14	.178	12.8193	12.8193	12.7443	13.1903	24.1118
15	.183	8.4714	8.4714	8.3964	8.8280	16.2712
16	.189	6.6746	6.6746	6.5996	6.9642	12.0380
17	.194	4.9767	4.9767	4.9017	4.7686	8.7891
18	.200	3.1493	3.1493	3.0743	3.4998	6.5506
19	.206	2.0631	2.0631	2.0881	2.3372	4.1137
20	.211	1.6283	1.6283	1.5533	1.9074	3.5157
21	.217	1.2335	1.2335	1.1585	1.4888	2.7388
22	.222	.8700	.8700	.8000	1.0703	1.7892
23	.228	.5192	.5192	.4442	.6285	1.1548
24	.233	.3853	.3853	.3103	.4623	.8521
25	.239	.2637	.2637	.2887	.3178	.5888
26	.244	.4093	.4093	.3333	.4897	.8399
27	.250	.4746	.4746	.3996	.5087	1.3063
28	.256	.5726	.5726	.4778	.6038	1.6840
29	.261	.5830	.5830	.5080	1.0276	1.8900
30	.267	.4274	.4274	.3524	.7648	1.4097
31	.272	.4364	.4364	.3594	.8381	1.9048
32	.278	.4581	.4581	.3831	.8642	1.7772
33	.283	.2939	.2939	.2189	.5950	1.0466
34	.289	.1831	.1831	.1081	.1188	.5873
35	.294	.2452	.2452	.1702	.5449	1.0044
36	.300	.2688	.2688	.1934	.6749	1.2440
37	.306	.2893	.2893	.2143	.8162	1.5044
38	.311	.3038	.3038	.2288	.9544	1.7541
39	.317	.2105	.2105	.1355	.8204	1.1444
40	.322	.1845	.1845	.1031	.6148	.9583
41	.328	.1731	.1731	.0982	.5350	.8860
42	.333	.1741	.1741	.0968	.5940	1.0048
43	.339	.0750	.0750	.0740	.5367	.4429
44	.344	.1119	.1119	.0430	.1284	.6017
45	.350	.0936	.0936	.0129	.1089	.2026
46	.356	.0728	.0728	.0000	.0000	.0000
47	.361	.0706	.0706	.0001	.0007	.0013
48	.367	.0882	.0882	.0078	.0922	.1700
49	.372	.0881	.0881	.0083	.1907	.3515
50	.378	.0647	.0647	.0174	.2427	.4842
51	.383	.0922	.0922	.0115	.1940	.3613
52	.389	.0848	.0848	.0000	.0000	.0000
53	.394	.0539	.0539	.0000	.0000	.0000
54	.400	.0885	.0885	.0000	.0000	.0000
55	.406	.0965	.0965	.0000	.0000	.0000
56	.411	.1076	.1076	.0000	.0000	.0000
57	.417	.0811	.0811	.0008	.0048	.0126
58	.422	.0576	.0576	.0000	.0000	.0000
59	.428	.0570	.0570	.0000	.0000	.0000
60	.433	.0659	.0659	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 3
 AVERAGE = .000000
 CORR. VAL. = 99.5
 NOISE LEVEL = .0750
 WIND SPEED = 0

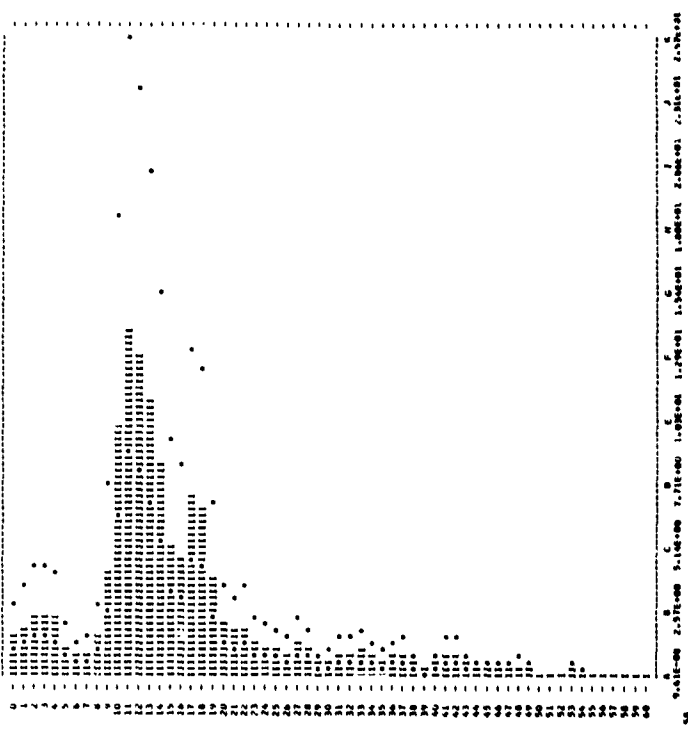


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 Av. T = 10.8 RECORD = DL 64
 HOUR = 0 SIG. WIND = 9.9 UPPER WGT. = 48.5
 TOTAL DP = 101 CORR. V.M. = 126.1 LOWER WGT. = 41.2
 NOISE LEVEL = .1172 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	1.5872	1.5872	1.4700	1.4700	2.7093	.9360
1	.006	2.0376	2.0376	1.9204	1.9204	3.5399	1.2228
2	.011	2.4879	2.4879	2.3101	2.3101	4.2578	1.4709
3	.017	2.9383	2.9383	2.8002	2.8002	4.9521	1.7111
4	.022	3.3886	3.3886	3.2803	3.2803	5.6357	1.9513
5	.028	3.8390	3.8390	3.7604	3.7604	6.3099	2.1915
6	.033	4.2893	4.2893	4.2405	4.2405	6.9757	2.4317
7	.039	4.7397	4.7397	4.7206	4.7206	7.6415	2.6719
8	.044	5.1900	5.1900	5.2007	5.2007	8.3072	2.9121
9	.050	5.6404	5.6404	5.6808	5.6808	8.9729	3.1523
10	.056	6.0907	6.0907	6.1609	6.1609	9.6386	3.3925
11	.061	6.5411	6.5411	6.6410	6.6410	10.3043	3.6327
12	.067	6.9914	6.9914	7.1211	7.1211	10.9700	3.8729
13	.072	7.4418	7.4418	7.6012	7.6012	11.6357	4.1131
14	.078	7.8921	7.8921	8.0813	8.0813	12.3014	4.3533
15	.083	8.3425	8.3425	8.5614	8.5614	12.9671	4.5935
16	.089	8.7928	8.7928	9.0415	9.0415	13.6328	4.8337
17	.094	9.2432	9.2432	9.5216	9.5216	14.2985	5.0739
18	.100	9.6935	9.6935	10.0017	10.0017	14.9642	5.3141
19	.106	10.1439	10.1439	10.4818	10.4818	15.6299	5.5543
20	.111	10.5942	10.5942	10.9619	10.9619	16.2956	5.7945
21	.117	11.0446	11.0446	11.4420	11.4420	16.9613	6.0347
22	.122	11.4949	11.4949	11.9221	11.9221	17.6270	6.2749
23	.128	11.9453	11.9453	12.4022	12.4022	18.2927	6.5151
24	.133	12.3956	12.3956	12.8823	12.8823	18.9584	6.7553
25	.139	12.8460	12.8460	13.3624	13.3624	19.6241	6.9955
26	.144	13.2963	13.2963	13.8425	13.8425	20.2898	7.2357
27	.150	13.7467	13.7467	14.3226	14.3226	20.9555	7.4759
28	.156	14.1970	14.1970	14.8027	14.8027	21.6212	7.7161
29	.161	14.6474	14.6474	15.2828	15.2828	22.2869	7.9563
30	.167	15.0977	15.0977	15.7629	15.7629	22.9526	8.1965
31	.172	15.5481	15.5481	16.2430	16.2430	23.6183	8.4367
32	.178	15.9984	15.9984	16.7231	16.7231	24.2840	8.6769
33	.183	16.4488	16.4488	17.2032	17.2032	24.9497	8.9171
34	.189	16.8991	16.8991	17.6833	17.6833	25.6154	9.1573
35	.194	17.3495	17.3495	18.1634	18.1634	26.2811	9.3975
36	.200	17.7998	17.7998	18.6435	18.6435	26.9468	9.6377
37	.206	18.2502	18.2502	19.1236	19.1236	27.6125	9.8779
38	.211	18.7005	18.7005	19.6037	19.6037	28.2782	10.1181
39	.217	19.1509	19.1509	20.0838	20.0838	28.9439	10.3583
40	.222	19.6012	19.6012	20.5639	20.5639	29.6096	10.5985
41	.228	20.0516	20.0516	21.0440	21.0440	30.2753	10.8387
42	.233	20.5019	20.5019	21.5241	21.5241	30.9410	11.0789
43	.239	20.9523	20.9523	22.0042	22.0042	31.6067	11.3191
44	.244	21.4026	21.4026	22.4843	22.4843	32.2724	11.5593
45	.250	21.8530	21.8530	22.9644	22.9644	32.9381	11.7995
46	.256	22.3033	22.3033	23.4445	23.4445	33.6038	12.0397
47	.261	22.7537	22.7537	23.9246	23.9246	34.2695	12.2799
48	.267	23.2040	23.2040	24.4047	24.4047	34.9352	12.5201
49	.272	23.6544	23.6544	24.8848	24.8848	35.6009	12.7603
50	.278	24.1047	24.1047	25.3649	25.3649	36.2666	13.0005
51	.283	24.5551	24.5551	25.8450	25.8450	36.9323	13.2407
52	.289	25.0054	25.0054	26.3251	26.3251	37.5980	13.4809
53	.294	25.4558	25.4558	26.8052	26.8052	38.2637	13.7211
54	.300	25.9061	25.9061	27.2853	27.2853	38.9294	13.9613
55	.306	26.3565	26.3565	27.7654	27.7654	39.5951	14.2015
56	.311	26.8068	26.8068	28.2455	28.2455	40.2608	14.4417
57	.317	27.2572	27.2572	28.7256	28.7256	40.9265	14.6819
58	.322	27.7075	27.7075	29.2057	29.2057	41.5922	14.9221
59	.328	28.1579	28.1579	29.6858	29.6858	42.2579	15.1623
60	.333	28.6082	28.6082	30.1659	30.1659	42.9236	15.4025

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0 SIG. WIND = 9.9 UPPER WGT. = 48.5
 TOTAL DP = 101 CORR. V.M. = 126.1 LOWER WGT. = 41.2
 NOISE LEVEL = .1172 WIND SPEED = 0

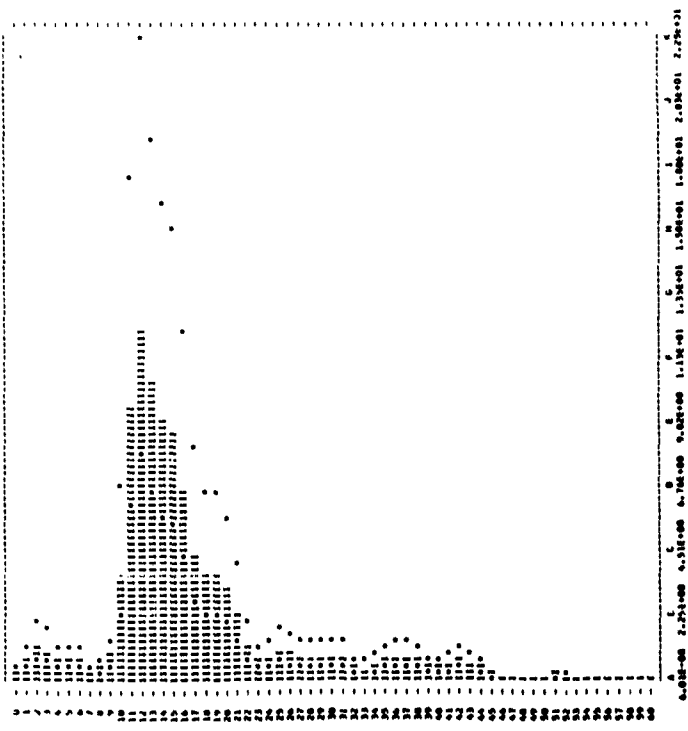


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 Av. T = 9.9 RECORD = DL 65
 HOUR = 12 SIG. WIND = 39.5 UPPER WGT. = 43.4
 TOTAL DP = 151 CORR. V.M. = 111.1 LOWER WGT. = 36.0
 NOISE LEVEL = .0625 WIND SPEED = 0

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.3192	.3192	.2567	.2567	.4732	1.035
1	.006	.4196	.4196	.3429	.3429	.6171	1.312
2	.011	1.2098	1.2098	1.1473	1.1473	2.1147	1.705
3	.017	1.6043	1.6043	1.5848	1.5848	2.7396	2.010
4	.022	1.9988	1.9988	1.9723	1.9723	3.3645	2.315
5	.028	2.3933	2.3933	2.3668	2.3668	3.9894	2.620
6	.033	2.7878	2.7878	2.7613	2.7613	4.6143	2.925
7	.039	3.1823	3.1823	3.1558	3.1558	5.2392	3.230
8	.044	3.5768	3.5768	3.5503	3.5503	5.8641	3.535
9	.050	3.9713	3.9713	3.9448	3.9448	6.4890	3.840
10	.056	4.3658	4.3658	4.3393	4.3393	7.1139	4.145
11	.061	4.7603	4.7603	4.7338	4.7338	7.7388	4.450
12	.067	5.1548	5.1548	5.1283	5.1283	8.3637	4.755
13	.072	5.5493	5.5493	5.5228	5.5228	8.9886	5.060
14	.078	5.9438	5.9438	5.9173	5.9173	9.6135	5.365
15	.083	6.3383	6.3383	6.3118	6.3118	10.2384	5.670
16	.089	6.7328	6.7328	6.7063	6.7063	10.8633	5.975
17	.094	7.1273	7.1273	7.1008	7.1008	11.4882	6.280
18	.100	7.5218	7.5218	7.4953	7.4953	12.1131	6.585
19	.106	7.9163	7.9163	7.8898	7.8898	12.7380	6.890
20	.111	8.3108	8.3108	8.2843	8.2843	13.3629	7.195
21	.117	8.7053	8.7053	8.6788	8.6788	13.9878	7.500
22	.122	9.0998	9.0998	9.0733	9.0733	14.6127	7.805
23	.128	9.4943	9.4943	9.4678	9.4678	15.2376	8.110
24	.133	9.8888	9.8888	9.8623	9.8623	15.8625	8.415
25	.139	10.2833	10.2833	10.2568	10.2568	16.4874	8.720
26	.144	10.6778	10.6778	10.6513	10.6513	17.1123	9.025
27	.150	11.0723	11.0723	11.0458	11.0458	17.7372	9.330
28	.156	11.4668	11.4668	11.4403	11.4403	18.3621	9.635
29	.161	11.8613	11.8613	11.8348	11.8348	18.9870	9.940
30	.167	12.2558	12.2558	12.2293	12.2293	19.6119	10.245
31	.172	12.6503	12.6503	12.6238	12.6238	20.2368	10.550
32	.178	13.0448	13.0448	13.0183	13.0183	20.8617	10.855
33	.183	13.4393	13.4393	13.4128	13.4128	21.4866	11.160
34	.189	13.8338	13.8338	13.8073	13.8073	22.1115	11.465
35	.194	14.2283	14.2283	14.1918	14.1918	22.7364	11.770
36	.200	14.6228	14.6228	14.5863	14.5863	23.3613	12.075
37	.206	15.0173	15.0173	14.9808	14.9808	23.9862	12.380
38	.211	15.4118	15.4118	15.3753	15.3753	24.6111	12.685
39	.217	15.8063	15.8063	15.7698	15.7698	25.2360	12.990
40	.222	16.2008	16.2008	16.1643	16.1643	25.8609	13.295
41	.228	16.5953	16.5953	16.5588	16.5588	26.4858	13.600
42	.233	16.9898	16.9898	16.9533	16.9533	27.1107	13.905
43	.239	17.3843	17.3843	17.3478	17.3478	27.7356	14.210
44	.244	17.7788	17.7788	17.7423	17.7423	28.3605	14.515
45	.250	18.1733	18.1733	18.1368	18.1368	28.9854	14.820
46	.256	18.5678	18.5678	18.5313	18.5313	29.6103	15.125
47	.261	18.9623	18.9623	18.9258	18.9258	30.2352	15.430
48	.267	19.3568	19.3568	19.3203	19.3203	30.8601	15.735
49	.272	19.7513	19.7513	19.7148	19.7148	31.4850	16.040
50	.278	20.1458	20.1458	20.1093	20.1093	32.1099	16.345
51	.283	20.5403	20.5403	20.5038	20.5038	32.7348	16.650
52	.289	20.9348	20.9348	20.8983	20.8983	33.3597	16.955
53	.294	21.3293	21.3293	21.2928	21.2928	33.9846	17.260
54	.300	21.7238	21.7238	21.6873	21.6873	34.6095	17.565
55	.306	22.1183	22.1183	22.0818	22.0818	35.2344	17.870
56	.311	22.5128	22.5128	22.4763	22.4763	35.8593	18.175
57	.317	22.9073	22.9073	22.8708	22.8708	36.4842	18.480
58	.322	23.3018	23.3018	23.2653	23.2653	37.1091	18.785
59	.328	23.6963	23.6963	23.6598	23.6598	37.7340	19.090
60	.333	24.0908	24.0908	24.0543	24.0543	38.3589	19.395

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 12 SIG. WIND = 39.5 UPPER WGT. = 43.4
 TOTAL DP = 151 CORR. V.M. = 111.1 LOWER WGT. = 36.0
 NOISE LEVEL = .0625 WIND SPEED = 0

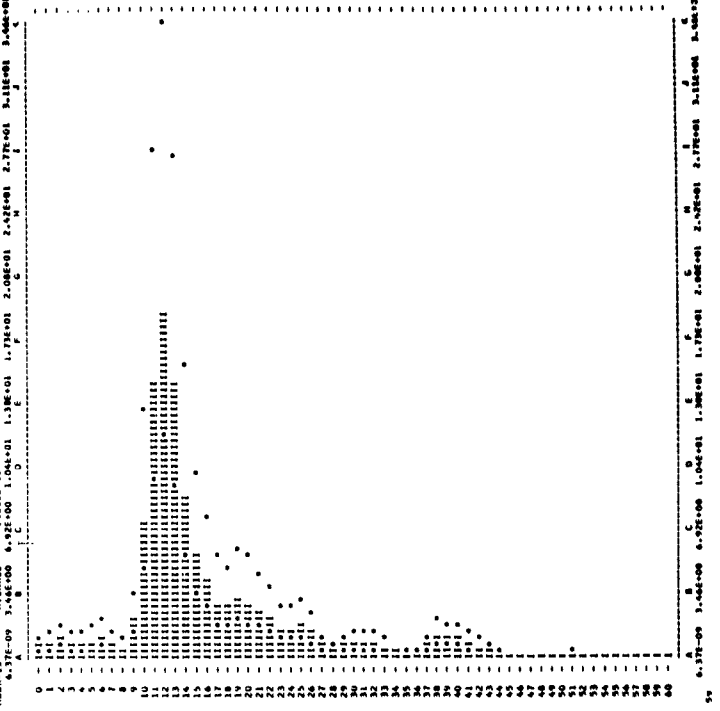


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T = 10.4 RECORD = DL 66
 HOUR = 13 SIG. HGT. = 43.0 UPPER HGT. = 47.6
 TOTAL DF = 128 CORR. VAK. = 115.6 LOWER HGT. = 38.9
 NOISE LEVEL = .1150 WIND SPEED = 9

N	FREQ. UNIT	F1.2	FILTERED	NOISE	CORR. F1.2	UPPER	LOWER
0	.000	.7307	.7307	.6187	.6187	1.1404	.3940
1	.006	.9216	.9216	.8096	.8096	1.4023	.5155
2	.011	1.0943	1.0943	.9823	.9823	1.7000	.6375
3	.017	.8610	.8610	.7490	.7490	1.3006	.4709
4	.022	.8566	.8566	.7446	.7446	1.3729	.4761
5	.028	.9216	.9216	.8096	.8096	1.3656	.5009
6	.033	.8665	.8665	.7545	.7545	1.1888	.2100
7	.039	.7304	.7304	.6184	.6184	1.5134	.5228
8	.044	.8396	.8396	.7276	.7276	1.5082	.5362
9	.050	1.0446	1.0446	.9326	.9326	1.9432	.3586
10	.056	7.0626	7.0626	6.9506	6.9506	13.0181	4.7066
11	.061	14.4093	14.4093	14.4093	14.4093	27.7227	6.5722
12	.067	18.4078	18.4078	18.2958	18.2958	34.5886	11.9491
13	.072	14.3248	14.3248	14.4128	14.7876	27.2957	9.4158
14	.078	5.4285	5.4285	5.2165	5.4076	15.8481	5.4408
15	.083	5.3753	5.3753	5.2633	5.3341	10.2001	3.5238
16	.089	3.9714	3.9714	3.8594	4.1037	7.5638	2.6130
17	.094	2.7639	2.7639	2.6519	2.9261	5.3933	1.8832
18	.100	2.3950	2.3950	2.2830	2.5990	4.7903	1.6549
19	.106	2.7767	2.7767	2.6647	3.1433	5.7937	2.0015
20	.111	2.4964	2.4964	2.3844	2.9305	4.9014	1.6660
21	.117	2.0524	2.0524	1.9404	2.4870	4.5840	1.5836
22	.122	1.6890	1.6890	1.5770	2.1170	3.9019	1.4880
23	.128	1.1978	1.1978	1.0858	1.5317	2.8231	.9754
24	.133	1.1104	1.1104	.9984	1.4848	2.7366	.9654
25	.139	1.1376	1.1376	1.0256	1.6134	2.9738	1.0273
26	.144	.8954	.8954	.7834	1.3071	2.4991	.8660
27	.150	.4481	.4481	.3361	.5942	1.0988	.3796
28	.156	.3041	.3041	.1921	.3435	.6499	.2314
29	.161	.4351	.4351	.3231	.4834	1.0408	.4162
30	.167	.4324	.4324	.3206	.4859	1.2824	.4431
31	.172	.3982	.3982	.2862	.4475	1.2303	.4250
32	.178	.3753	.3753	.2633	.4442	1.2216	.4254
33	.183	.2990	.2990	.1870	.5084	.9370	.3237
34	.189	.2051	.2051	.0931	.2745	.5080	.1748
35	.194	.1471	.1471	.0351	.1125	.3073	.0717
36	.200	.1510	.1510	.0390	.1342	.2510	.0847
37	.206	.2661	.2661	.1541	.5870	1.0820	.3736
38	.211	.3630	.3630	.2510	1.0712	.9301	.6462
39	.217	.3317	.3317	.2197	1.0049	1.8554	.6411
40	.222	.2940	.2940	.1796	.9031	1.6482	.5763
41	.228	.2424	.2424	.1308	.7280	1.3418	.4344
42	.233	.1847	.1847	.0830	.5107	.9413	.3252
43	.239	.1642	.1642	.0488	.3330	.6138	.2120
44	.244	.1301	.1301	.0128	.0948	.1784	.0417
45	.250	.0746	.0746	.0000	.0000	.0000	.0000
46	.256	.0472	.0472	.0000	.0000	.0000	.0000
47	.261	.0448	.0448	.0000	.0000	.0000	.0000
48	.267	.0468	.0468	.0000	.0000	.0000	.0000
49	.272	.0829	.0829	.0000	.0000	.0000	.0000
50	.278	.1784	.1784	.0000	.0002	.1110	.0384
51	.283	.2472	.2472	.1028	.1025	.1895	.0855
52	.289	.1854	.1854	.0688	.0688	.1332	.0426
53	.294	.0973	.0973	.0134	.0014	.0024	.0000
54	.300	.0735	.0735	.0000	.0000	.0000	.0000
55	.306	.0851	.0851	.0000	.0000	.0000	.0000
56	.311	.1045	.1045	.0000	.0000	.0000	.0000
57	.317	.1144	.1144	.0000	.0000	.0000	.0000
58	.322	.0997	.0997	.0000	.0000	.0000	.0000
59	.328	.0411	.0411	.0000	.0000	.0000	.0000
60	.333	.0587	.0587	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DL 66
 AVERAGE = 0.0000
 0.375e-09 3.140e-08 1.070e-07 1.030e-06 1.710e-05 1.380e-04 1.710e-03 2.080e-02 2.420e-01 2.770e-01 3.110e-01 3.460e-01

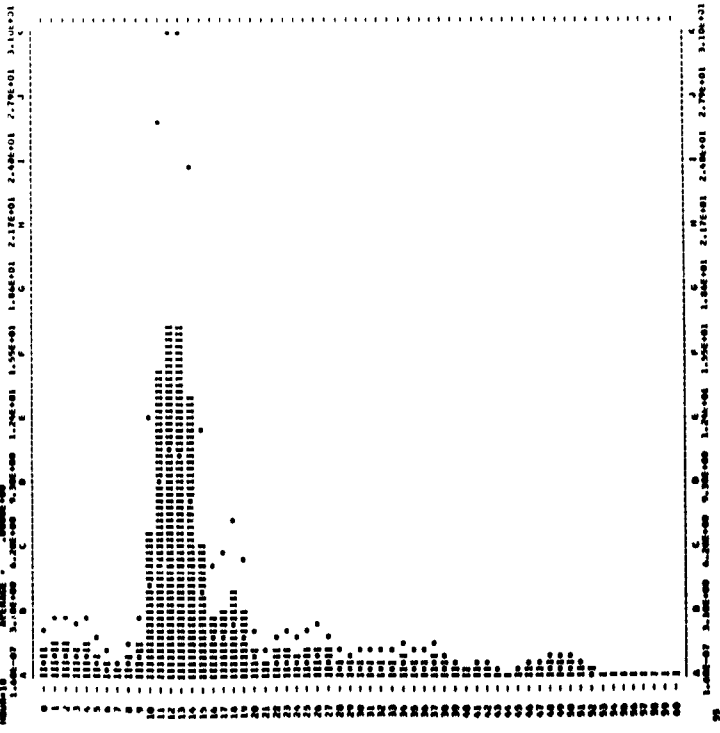


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T = 10.0 RECORD = DL 67
 HOUR = 18 SIG. HGT. = 43.6 UPPER HGT. = 46.3
 TOTAL DF = 127 CORR. VAK. = 119.0 LOWER HGT. = 39.4
 NOISE LEVEL = .0620 WIND SPEED = 9

N	FREQ. UNIT	F1.2	FILTERED	NOISE	CORR. F1.2	UPPER	LOWER
0	.000	1.1876	1.1876	1.1256	1.1256	2.0747	.7187
1	.006	1.5446	1.5446	1.4826	1.4826	2.7327	.9441
2	.011	1.5824	1.5824	1.5204	1.5204	2.4024	.9481
3	.017	1.3362	1.3362	1.2742	1.2742	2.3486	.8114
4	.022	1.4945	1.4945	1.4325	1.4325	2.4404	.8122
5	.028	1.0718	1.0718	1.0098	1.0098	1.4811	.6455
6	.033	.4799	.4799	.4179	.4555	1.2134	.4193
7	.039	.2998	.2998	.2378	.3154	.5820	.2011
8	.044	.7771	.7771	.7151	.7527	1.1489	.4422
9	.050	1.4838	1.4838	1.4218	1.4594	2.4087	1.0048
10	.056	6.3374	6.3374	6.2754	6.4708	12.2953	4.2476
11	.061	16.3034	16.3034	16.2414	16.3161	26.7356	9.4430
12	.067	16.4523	16.4523	16.3903	16.4114	30.9862	10.7044
13	.072	16.3876	16.3876	16.3256	16.7501	30.4729	10.6635
14	.078	12.8868	12.8868	12.8248	13.2522	24.286	8.3366
15	.083	6.0880	6.0880	6.0260	6.3358	11.4778	4.0342
16	.089	2.7593	2.7593	2.6973	2.6481	5.7883	1.8262
17	.094	2.9095	2.9095	2.8475	3.1420	5.9811	2.0004
18	.100	3.6380	3.6380	3.5760	4.0710	7.9034	2.5921
19	.106	2.5840	2.5840	2.5220	2.9796	5.4919	1.8972
20	.111	1.0778	1.0778	1.0158	1.2474	2.2992	.7963
21	.117	.8487	.8487	.7867	.7520	1.3861	.4788
22	.122	.8721	.8721	.8101	1.0875	2.0045	.6925
23	.128	.9184	.9184	.8564	.8082	2.2213	.7674
24	.133	.7213	.7213	.6593	.6905	1.8072	.6243
25	.139	.7612	.7612	.6992	1.1000	2.0274	.7094
26	.144	.8836	.8836	.8216	1.0708	2.5266	.8729
27	.150	.8745	.8745	.8125	1.0864	2.0024	.6918
28	.156	.3771	.3771	.3151	.9942	1.0988	.3796
29	.161	.3161	.3161	.2541	.3141	.6074	.3673
30	.167	.3479	.3479	.2859	.6206	1.1439	.3952
31	.172	.3399	.3399	.2779	.6482	1.1967	.4127
32	.178	.3033	.3033	.2413	.6074	1.1106	.3808
33	.183	.3062	.3062	.2442	.6586	1.2136	.4192
34	.189	.3234	.3234	.2614	.7766	1.4316	.4993
35	.194	.2818	.2818	.2198	.7039	1.2973	.4432
36	.200	.2408	.2408	.1788	.7117	1.1118	.3532
37	.206	.2718	.2718	.2098	.7092	1.4731	.5089
38	.211	.1949	.1949	.1329	.6945	1.0221	.3531
39	.217	.1307	.1307	.0687	.3130	.7504	.2506
40	.222	.0999	.0999	.0379	.2819	.6942	.1604
41	.228	.1172	.1172	.0550	.2893	.5332	.1862
42	.233	.1216	.1216	.0584	.4940	.5416	.1872
43	.239	.0842	.0842	.0222	.1913	.2792	.0965
44	.244	.0578	.0578	.0094	.0409	.0793	.0265
45	.250	.0760	.0760	.0160	.3782	.1462	.0589
46	.256	.1033	.1033	.0340	.3299	.0673	.0298
47	.261	.1098	.1098	.0416	.4193	.0158	.0157
48	.267	.1005	.1005	.0317	.4946	.0158	.0157
49	.272	.1140	.1140	.0432	.3780	1.0054	.3481
50	.278	.0923	.0923	.0322	.6039	.0997	.0996
51	.283	.0781	.0781	.0200	.3178	.3897	.2896
52	.289	.0730	.0730	.0180	.1920	.3354	.1228
53	.294	.0610	.0610	.0093	.0023	.0006	.0016
54	.299	.0480	.0480	.0000	.0000	.0000	.0000
55	.306	.0467	.0467	.0000	.0000	.0000	.0000
56	.311	.0360	.0360	.0000	.0000	.0000	.0000
57	.317	.0443	.0443	.0000	.0000	.0000	.0000
58	.322	.0637	.0637	.0000	.0396	.0736	.0632
59	.328	.0690	.0690	.0000	.0000	.0182	.0025
60	.333	.0667	.0667	.0000	.0000	.0116	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DL 67
 AVERAGE = 0.0000
 1.400e-07 3.140e-06 6.280e-06 1.040e-05 1.710e-05 2.770e-05 4.420e-05 6.830e-05 1.000e-04 1.410e-04 1.820e-04 2.230e-04 2.640e-04 3.050e-04 3.460e-04

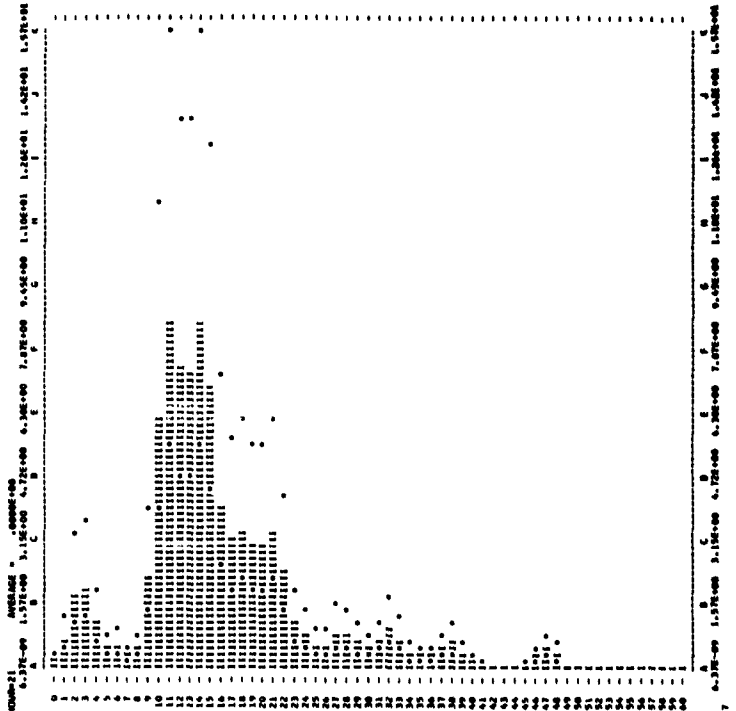


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 12/09/61 AV. T = 10.2 RECORD = DL 60
 HOUR = 01 SIG.MET = 21.5 UPPER HGT. = 60.0
 TOTAL DP = 1170 CORR. VAL. = 07.0 LOWER HGT. = 30.0
 NOISE LEVEL = .0031 WIND SPEED = 0

H	PHZ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2200	.2200	.1490	.1490	.2699	.0420
1	.000	.7007	.7007	.7420	.7420	1.2950	.4676
2	.011	1.0907	1.0907	1.1750	1.1750	2.2327	1.1360
3	.017	2.0100	2.0100	1.9200	1.9200	3.2626	1.8207
4	.022	1.1140	1.1140	1.0310	1.0310	1.9017	.6870
5	.028	.9310	.9310	.4470	.4470	.6296	.2882
6	.033	.9007	.9007	.2070	.2070	.6032	.3004
7	.039	.2061	.2061	.2030	.2030	.4960	.1710
8	.044	.4402	.4402	.2071	.2071	.7030	.2700
9	.050	2.0420	2.0420	1.9900	1.9900	2.1767	1.3047
10	.054	5.9310	5.9310	5.0400	5.0400	6.2173	11.4593
11	.061	6.3107	6.3107	6.2270	6.2270	6.9361	15.7333
12	.067	7.2600	7.2600	7.1590	7.1590	7.3700	13.0051
13	.072	7.2003	7.2003	7.1262	7.1262	7.1115	12.4761
14	.078	6.3303	6.3303	6.2552	6.2552	6.9441	15.7401
15	.083	6.7331	6.7331	6.5000	6.5000	6.9010	11.6069
16	.089	3.7650	3.7650	3.6824	3.6824	3.9150	7.2160
17	.094	3.8676	3.8676	2.7003	2.7003	3.0722	5.4425
18	.100	3.3373	3.3373	3.5662	3.5662	4.3031	6.9706
19	.106	2.5627	2.5627	2.5136	2.5136	2.9673	5.4402
20	.111	2.9360	2.9360	2.4304	2.4304	3.0120	5.9530
21	.117	2.7120	2.7120	2.4207	2.4207	3.3705	6.2123
22	.122	1.7903	1.7903	1.7192	1.7192	2.3025	4.2430
23	.128	.8347	.8347	.7516	.7516	1.0601	1.9540
24	.133	.5906	.5906	.5064	.5064	.7320	1.4009
25	.139	.4154	.4154	.3233	.3233	.5227	.9035
26	.144	.4127	.4127	.3296	.3296	3.6099	1.6135
27	.150	.6448	.6448	.5448	.5448	3.1189	1.6035
28	.156	.5035	.5035	.4204	.4204	.7933	1.4459
29	.161	.3836	.3836	.3005	.3005	.6070	1.1294
30	.167	.2064	.2064	.2064	.2064	.4634	.6504
31	.172	.3504	.3504	.2873	.2873	.6234	1.1489
32	.178	.4406	.4406	.3665	.3665	.9224	1.9082
33	.183	.3208	.3208	.2667	.2667	.6709	1.1359
34	.189	.1894	.1894	.1823	.1823	.3013	.5958
35	.194	.1678	.1678	.1667	.1667	.2712	.4990
36	.200	.1678	.1678	.1678	.1678	.2905	.6423
37	.206	.1000	.1000	.1000	.1000	.4374	.8064
38	.211	.2190	.2190	.1967	.1967	.5702	1.0510
39	.217	.1649	.1649	.1649	.1649	.3748	.6709
40	.222	.1160	.1160	.1125	.1125	.1987	.3662
41	.228	.0932	.0932	.0912	.0912	.1084	.1265
42	.233	.0794	.0794	.0841	.0841	.0811	.0811
43	.239	.0844	.0844	.0800	.0800	.0800	.0800
44	.244	.0795	.0795	.0800	.0800	.0800	.0800
45	.249	.0824	.0824	.0800	.0800	.0800	.0800
46	.254	.1130	.1130	.1107	.1107	.2603	.4799
47	.261	.1227	.1227	.1206	.1206	.4499	.7024
48	.267	.1158	.1158	.1108	.1108	.4074	.6193
49	.272	.0708	.0708	.0614	.0614	.0193	.0355
50	.278	.0648	.0648	.0600	.0600	.0600	.0600
51	.283	.0746	.0746	.0600	.0600	.0600	.0600
52	.289	.0841	.0841	.0600	.0600	.0600	.0600
53	.294	.0799	.0799	.0600	.0600	.0600	.0600
54	.300	.0729	.0729	.0600	.0600	.0600	.0600
55	.306	.0852	.0852	.0653	.0653	.0182	.0035
56	.311	.1102	.1102	.1090	.1090	.0369	.0128
57	.317	.1019	.1019	.1019	.1019	.0174	.0134
58	.322	.0700	.0700	.0600	.0600	.0000	.0000
59	.328	.0693	.0693	.0600	.0600	.0000	.0000
60	.333	.0694	.0694	.0600	.0600	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

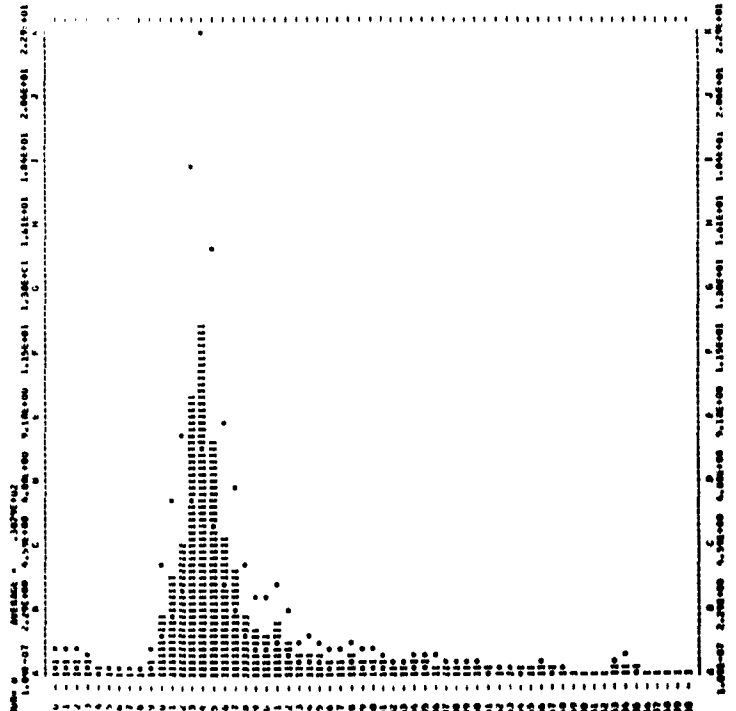


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 12/09/61 AV. T = 9.7 RECORD = DL 69
 HOUR = 0 SIG.MET = 33.3 UPPER HGT. = 37.1
 TOTAL DP = 117 CORR. VAL. = LOWER HGT. = 29.9
 NOISE LEVEL = .0336 WIND SPEED = 0

H	PHZ.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.5044	.5044	.4706	.4706	.8674	.2997
1	.006	.5196	.5196	.4865	.4865	.8493	.3706
2	.011	.5480	.5480	.5150	.5150	.9442	.3279
3	.017	.6279	.6279	.3991	.3991	.7172	.4678
4	.022	.4082	.4082	.4544	.4544	.1174	.2211
5	.028	.1036	.1036	.0496	.0496	.1207	.0445
6	.033	.0743	.0743	.0400	.0400	.0838	.0406
7	.039	.7087	.7087	.6530	.6530	.0742	.0473
8	.044	.1247	.1247	.0900	.0900	.1082	.1495
9	.050	.9993	.9993	.4625	.4625	.5136	.9662
10	.056	2.0622	2.0622	2.0106	2.0106	2.1562	3.7762
11	.061	3.2426	3.2426	3.2080	3.2080	3.1291	6.1361
12	.067	4.4717	4.4717	4.4380	4.4380	4.9320	8.3901
13	.072	4.8226	4.8226	4.7873	4.7873	4.8000	8.0000
14	.078	12.0804	12.0804	12.0266	12.0266	12.4476	22.9427
15	.083	7.8279	7.8279	7.7941	7.7941	8.1968	15.1042
16	.089	4.1640	4.1640	4.1602	4.1602	4.0701	6.9706
17	.094	3.2806	3.2806	3.2444	3.2444	3.5825	6.0031
18	.100	1.9668	1.9668	1.9131	1.9131	2.1779	6.0161
19	.106	1.3231	1.3231	1.2893	1.2893	1.5220	2.0059
20	.111	1.2109	1.2109	1.1840	1.1840	1.4500	2.4010
21	.117	1.4165	1.4165	1.3907	1.3907	1.7896	3.2617
22	.122	.9456	.9456	.9117	.9117	1.2238	2.2557
23	.128	.4907	.4907	.4440	.4440	.6304	1.1619
24	.133	.3096	.3096	.2956	.2956	.7272	1.2252
25	.139	.4180	.4180	.3842	.3842	.6094	1.1141
26	.144	.3224	.3224	.2887	.2887	.4816	.8877
27	.150	.3467	.3467	.3130	.3130	.5931	1.0231
28	.156	.3421	.3421	.3083	.3083	.5833	1.0791
29	.161	.2924	.2924	.2787	.2787	.5233	.9445
30	.167	.2642	.2642	.2536	.2536	.4957	.9130
31	.172	.1897	.1897	.1820	.1820	.3566	.6522
32	.178	.1361	.1361	.1223	.1223	.2579	.4764
33	.183	.1354	.1354	.1200	.1200	.2773	.5112
34	.189	.1537	.1537	.1490	.1490	.3536	.6516
35	.194	.1504	.1504	.1407	.1407	.3863	.7121
36	.200	.1231	.1231	.1093	.1093	.3110	.5766
37	.206	.1151	.1151	.1047	.1047	.3047	.5708
38	.211	.0909	.0909	.0851	.0851	.2716	.5000
39	.217	.0800	.0800	.0760	.0760	.2145	.3993
40	.222	.0802	.0802	.0762	.0762	.2139	.3993
41	.228	.0639	.0639	.0613	.0613	.1631	.3005
42	.233	.0444	.0444	.0417	.0417	.1030	.1890
43	.239	.0404	.0404	.0376	.0376	.1041	.1930
44	.244	.0933	.0933	.0890	.0890	.1623	.3672
45	.250	.0940	.0940	.0921	.0921	.1832	.3377
46	.256	.0603	.0603	.0558	.0558	.2681	.3836
47	.261	.0405	.0405	.0383	.0383	.1509	.2781
48	.267	.0340	.0340	.0301	.0301	.0622	.1160
49	.272	.0382	.0382	.0362	.0362	.0864	.1084
50	.278	.0470	.0470	.0432	.0432	.0882	.0880
51	.283	.0292	.0292	.0260	.0260	.0600	.0600
52	.289	.0260	.0260	.0230	.0230	.0600	.0600
53	.294	.0470	.0470	.0400	.0400	.1827	.1827
54	.300	.0902	.0902	.0824	.0824	.3110	.3767
55	.306	.0370	.0370	.0355	.0355	.1170	.2000
56	.311	.0350	.0350	.0300	.0300	.0600	.0600
57	.317	.0275	.0275	.0200	.0200	.0600	.0600
58	.322	.0200	.0200	.0200	.0200	.0600	.0600
59	.328	.0200	.0200	.0200	.0200	.0600	.0600
60	.333	.0331	.0331	.0300	.0300	.0600	.0600

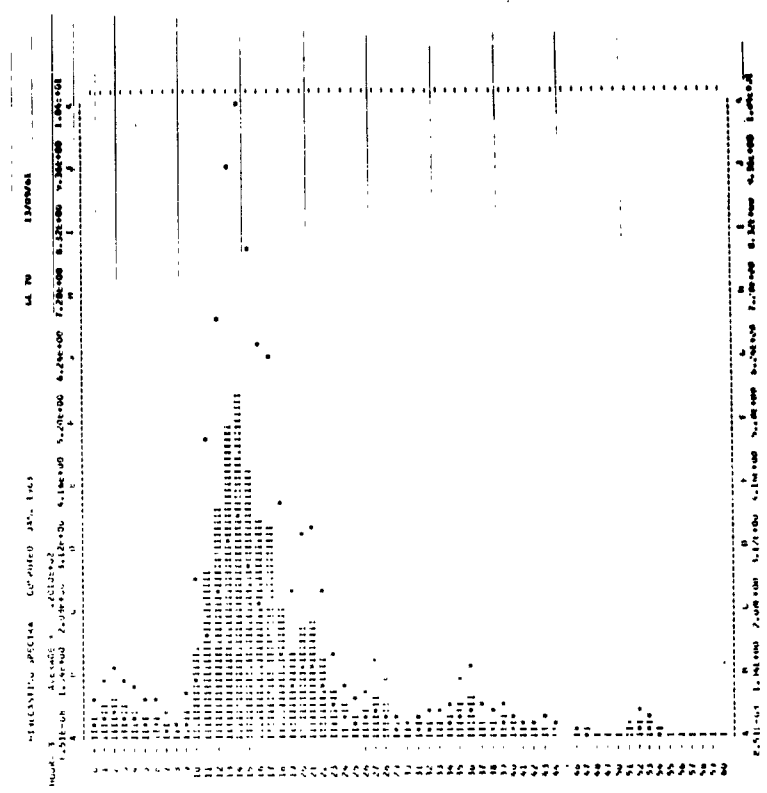
HINDCASTING SPECTRA COMPUTED JAN. 1963



RECASTING SPECTRA COMPUTED JAN. 1963

DATE = 1/7/51 AV. T. = 9.4 RECORD = DL 70
 HOUR = 4 SIG.MGT. = 28.2 UPPER MGT. = 30.4
 TOTAL DF = 172 CORR. VAL. = 89.4 LOWER MGT. = 45.8
 NOISE LEVEL = .0237 WIND SPEED = 0

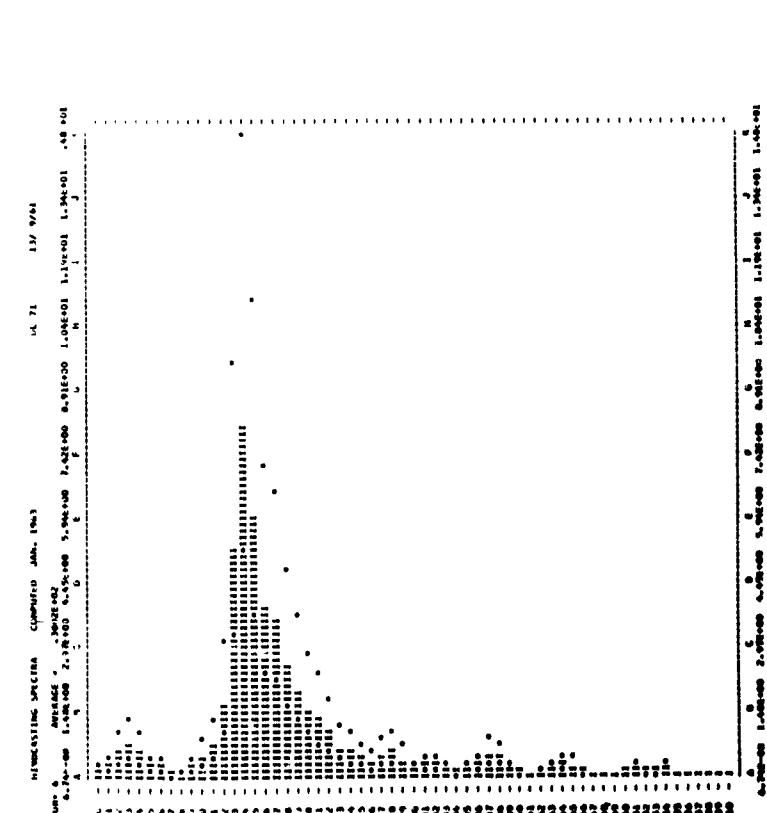
H	FREQ. UNIT-PT.2	FILTERED -NOISE	CURR.PT.2	HIPPER	LOWLR		
0	.000	.1704	.1703	.1667	.4830	.2208	
1	.006	.9467	.9467	.9230	.4730	.9634	.1330
2	.011	.8722	.8722	.8285	.4679	1.1986	.0402
3	.016	.8965	.8965	.8709	.4701	1.7895	.1880
4	.022	.8718	.8718	.8482	.4644	.8260	.0784
5	.028	.8697	.8697	.8280	.4590	.8004	.0778
6	.033	.7782	.7782	.7859	.4671	.9460	.0582
7	.039	.1742	.1742	.1303	.4791	.8086	.1773
8	.046	.1217	.1217	.0980	.4761	.7152	.0743
9	.050	.1774	.1774	.1358	.4786	.7237	.0900
10	.056	1.3981	1.3981	1.3365	1.4195	2.4142	.7012
11	.061	2.9870	2.9870	2.9096	2.4551	4.0062	1.6908
12	.067	1.8797	1.8797	1.8790	1.7300	3.1117	1.5877
13	.072	4.3857	4.3857	4.0820	3.0410	4.1336	3.2617
14	.078	8.0730	8.0730	8.4006	5.4601	10.1055	3.9113
15	.082	4.1687	4.1687	4.1420	3.7941	8.0288	4.7730
16	.088	1.4009	1.4009	1.3772	3.4867	6.4228	2.2168
17	.093	3.0019	3.0019	3.0078	3.3850	6.2381	4.1594
18	.100	1.8909	1.8909	1.8272	2.0801	3.8340	1.3243
19	.106	1.1441	1.1441	1.1205	1.3227	2.4380	.8622
20	.111	1.4869	1.4869	1.4712	1.4046	3.1279	1.1302
21	.117	1.8669	1.8669	1.8432	1.8698	3.4074	1.1778
22	.122	.7864	.7864	.8028	1.2074	2.1921	.8279
23	.128	1.5466	1.5466	1.5468	1.7404	1.7866	.6714
24	.133	1.8498	1.8498	1.8211	1.4700	.8823	.3050
25	.139	.2215	.2215	.2271	.3549	.8807	.2782
26	.144	.2886	.2886	.2886	.4068	.7532	.2602
27	.150	.1970	.1970	.1683	.6533	1.7041	.1160
28	.156	.7870	.7870	.7611	.4981	.7181	.2172
29	.161	.1088	.1088	.1088	.1741	.3173	.1076
30	.167	.0827	.0827	.0591	.1262	.7363	.0816
31	.172	.1017	.1017	.0740	.1811	.3359	.1108
32	.178	.1101	.1101	.0732	.2766	.4335	.1404
33	.183	.1163	.1163	.0727	.2914	.4643	.1604
34	.189	.1193	.1193	.0726	.2818	.5194	.1776
35	.194	.1802	.1802	.1802	.5332	.8827	.3397
36	.200	.1930	.1930	.1703	.7042	1.0952	.3783
37	.206	.0718	.0718	.0482	.2577	.4787	.1854
38	.211	.0722	.0722	.0486	.2027	.3735	.1400
39	.217	.0766	.0766	.0614	.2818	.5232	.1807
40	.222	.0757	.0757	.0340	.1712	.3136	.1070
41	.228	.0735	.0735	.0261	.0843	1.1866	.0509
42	.233	.0762	.0762	.0153	.0743	.1738	.0400
43	.239	.0701	.0701	.0216	.1600	.7802	.0310
44	.244	.0740	.0740	.0175	.1318	.4222	.0307
45	.250	.0780	.0780	.0067	.0544	.1049	.0162
46	.256	.0275	.0275	.0037	.0347	.0840	.0421
47	.261	.0221	.0221	.0053	.0504	1.1074	.0154
48	.267	.0259	.0259	.0020	.0238	.0633	.0152
49	.272	.0189	.0189	.0000	.0000	.0000	.0000
50	.278	.0176	.0176	.0000	.0000	.0000	.0000
51	.283	.0740	.0740	.0000	.0000	.0000	.0000
52	.289	.0189	.0189	.0116	.2208	.4009	.1408
53	.294	.0153	.0153	.0066	.1817	.3487	.1028
54	.300	.0232	.0232	.0021	.0511	.0980	.0334
55	.306	.0232	.0232	.0000	.0000	.0000	.0000
56	.311	.0270	.0270	.0000	.0000	.0000	.0000
57	.317	.0145	.0145	.0000	.0000	.0000	.0000
58	.322	.0161	.0161	.0000	.0000	.0000	.0000
59	.328	.0158	.0158	.0000	.0000	.0000	.0000
60	.333	.0163	.0163	.0000	.0000	.0000	.0000



RECASTING SPECTRA COMPUTED JAN. 1963

DATE = 1/7/51 AV. T. = 9.3 RECORD = DL 71
 HOUR = 4 SIG.MGT. = 27.7 UPPER MGT. = 30.7
 TOTAL DF = 136 CORR. VAL. = 46.1 LOWER MGT. = 25.1
 NOISE LEVEL = .0281 WIND SPEED = 0

H	FREQ. UNIT-PT.2	FILTERED -NOISE	CURR.PT.2	HIPPER	LOWLR		
0	.000	.1540	.1540	.1299	.2321	.0402	
1	.006	.2670	.2670	.2389	.2380	.4403	.1621
2	.011	.5624	.5624	.5393	.5383	.8868	.3402
3	.016	.1559	.1559	.1478	.2778	1.3415	.4842
4	.022	.5798	.5798	.5517	.5511	1.0169	.1513
5	.028	.3094	.3099	.2818	.2818	.5195	.1795
6	.033	.1731	.1731	.1450	.2245	.4712	.1858
7	.039	.1022	.1022	.0762	.0945	.1815	.0877
8	.046	.0827	.0827	.0566	.0650	.1198	.0614
9	.050	.1234	.1234	.0946	.1265	.1474	.1442
10	.056	.4581	.4581	.4301	.4372	.8424	.4911
11	.061	.7397	.7397	.7100	.7372	1.3369	.6894
12	.067	1.6873	1.6873	1.6342	1.4987	1.1223	1.0000
13	.072	5.0757	5.0757	5.0476	5.1718	9.5454	4.2976
14	.078	7.8116	7.8116	7.7828	8.0580	16.8886	12.96
15	.083	5.6628	5.6628	5.6347	5.4913	10.9196	8.1722
16	.088	3.6322	3.6322	3.6042	3.8223	7.0637	4.4402
17	.094	3.2287	3.2287	3.2008	3.5116	6.5092	2.2487
18	.100	2.2653	2.2653	2.2372	2.5968	6.8961	1.8217
19	.106	1.7144	1.7144	1.6863	1.9907	3.6692	1.2676
20	.111	1.2879	1.2879	1.2588	1.5400	2.8402	.9812
21	.117	1.0182	1.0182	.9901	1.2400	2.3390	.8000
22	.122	.7470	.7470	.7399	.9919	1.6282	.6314
23	.128	.5007	.5007	.4726	.6886	1.2287	.4249
24	.133	.3906	.3906	.3675	.5136	.9930	.3611
25	.139	.2734	.2734	.2493	.4859	.7113	.2637
26	.144	.2243	.2243	.1962	.3773	.6033	.2084
27	.150	.2866	.2866	.2614	.4616	.8564	.2952
28	.156	.3236	.3236	.2955	.5501	1.0305	.3560
29	.161	.2111	.2111	.1830	.3702	.6822	.2357
30	.167	.1179	.1179	.0899	.1911	.3390	.1262
31	.172	.1256	.1256	.0959	.2228	.4106	.1418
32	.178	.1256	.1256	.0974	.2434	.4823	.1562
33	.183	.0859	.0859	.0674	.1560	.2876	.0966
34	.189	.0675	.0675	.0496	.1101	.2161	.0739
35	.194	.0758	.0758	.0478	.1130	.2819	.0976
36	.200	.1036	.1036	.0759	.1265	.4054	.1878
37	.206	.1447	.1447	.1116	.1442	.6187	.2828
38	.211	.1297	.1297	.0976	.1472	.7505	.2593
39	.217	.0680	.0680	.0469	.1123	.3492	.1142
40	.222	.0433	.0433	.0219	.0899	.1658	.0573
41	.228	.0280	.0280	.0099	.0273	.0903	.0174
42	.233	.0325	.0325	.0081	.0100	.0614	.0134
43	.239	.0592	.0594	.0263	.1793	.3306	.1143
44	.244	.0866	.0811	.0330	.2506	.4618	.1395
45	.250	.0520	.0522	.0261	.2038	.3756	.1248
46	.256	.0381	.0380	.0099	.0439	.1724	.0599
47	.261	.0236	.0262	.0000	.0000	.0000	.0000
48	.267	.0193	.0224	.0000	.0000	.0000	.0000
49	.272	.0174	.0211	.0000	.0000	.0000	.0000
50	.278	.0380	.0390	.0078	.1178	.2171	.0750
51	.283	.0399	.0373	.0042	.1168	.2891	.0896
52	.289	.0312	.0317	.0000	.0000	.0000	.0000
53	.294	.0326	.0333	.0051	.1157	.2332	.0737
54	.300	.0360	.0336	.0051	.1124	.2440	.0883
55	.306	.0270	.0275	.0000	.0000	.0000	.0000
56	.311	.0189	.0212	.0000	.0000	.0000	.0000
57	.317	.0213	.0213	.0000	.0000	.0000	.0000
58	.322	.0243	.0236	.0000	.0000	.0000	.0000
59	.328	.0249	.0246	.0000	.0000	.0000	.0000
60	.333	.0243	.0249	.0000	.0000	.0000	.0000

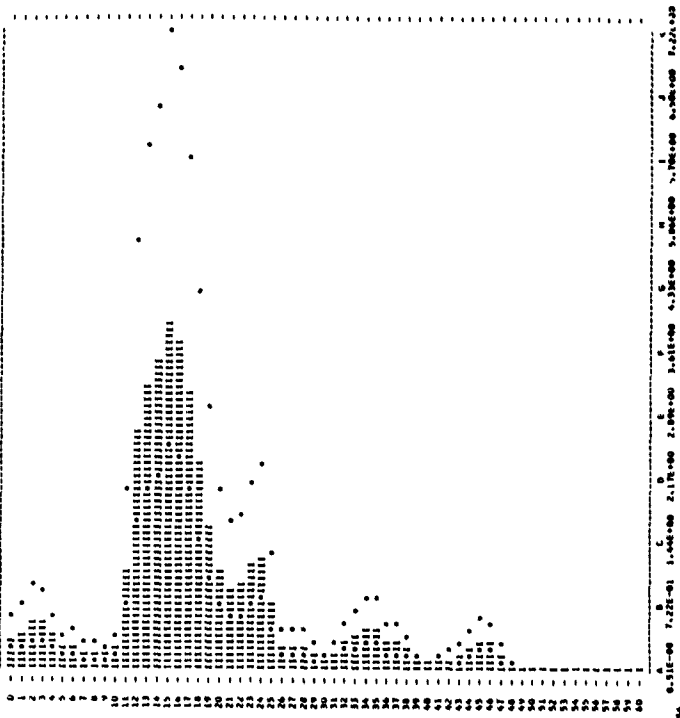


SMOOTHED HEMICASTING SPECTRA COMPUTED MARCH 1963

DATE = 13/ 9/61 SV. T= 9.0 RECORD = DL 72
 HMR = 19 SIG. HGT. = 26.9 UPPER HGT. = 27.2
 TOTAL DF = 176 CORR. VAR. = 30.9 LOWER HGT. = 23.9
 NOISE LEVEL = .0364 WIND SPEED = 0

H	PRE. UNIT=FT.2	FILTRD	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.3420	.3420	.3005	.3005	.1966
1	.000	.4283	.4283	.3939	.3939	.2900
2	.011	.5291	.5291	.4907	.4907	.3856
3	.017	.6051	.6051	.5707	.5707	.4607
4	.022	.6876	.6876	.6330	.6330	.5126
5	.025	.7297	.7297	.6753	.6753	.5544
6	.033	.7719	.7719	.7175	.7175	.5970
7	.036	.8121	.8121	.7577	.7577	.6395
8	.044	.8511	.8511	.7951	.7951	.6819
9	.050	.8901	.8901	.8307	.8307	.7240
10	.056	.9296	.9296	.8645	.8645	.7658
11	.061	1.0000	1.0000	1.0000	1.0000	.8074
12	.067	2.0107	2.0107	2.0107	2.0107	1.6026
13	.072	3.1371	3.1371	3.1371	3.1371	2.0400
14	.076	3.2602	3.2602	3.2602	3.2602	2.1918
15	.083	3.7011	3.7011	3.7011	3.7011	2.4949
16	.089	3.5121	3.5121	3.5121	3.5121	2.3566
17	.096	2.8716	2.8716	2.8716	2.8716	1.9936
18	.100	2.0044	2.0044	2.0000	2.3110	1.4713
19	.106	1.3007	1.3007	1.3007	1.5009	1.0137
20	.111	.9201	.9201	.9201	1.0718	.6930
21	.117	.7251	.7251	.7251	.8553	.5637
22	.122	.5739	.5739	.5739	.6900	.4579
23	.128	.4636	.4636	.4636	1.1411	.3766
24	.133	.3729	.3729	.3729	1.2649	.3040
25	.138	.3009	.3009	.3009	.7151	.2459
26	.144	.2472	.2472	.2472	.2303	.1917
27	.150	.1983	.1983	.1983	.2198	.1399
28	.156	.1546	.1546	.1546	.2376	.0913
29	.161	.1166	.1166	.1166	.1648	.0517
30	.167	.0862	.0862	.0862	.0690	.0340
31	.172	.0617	.0617	.0617	.1711	.0219
32	.178	.0492	.0492	.0492	.1889	.0140
33	.183	.0316	.0316	.0316	.1457	.0073
34	.189	.0241	.0241	.0241	.0411	.0036
35	.194	.0166	.0166	.0166	.1118	.0022
36	.200	.1103	.1103	.0739	.2649	.0087
37	.206	.0817	.0817	.0515	.2843	.0062
38	.211	.0596	.0596	.0314	.2144	.0042
39	.217	.0409	.0409	.0145	.0645	.0023
40	.222	.0231	.0231	.0067	.0267	.0011
41	.228	.0091	.0091	.0032	.0731	.0006
42	.233	.0009	.0009	.0145	.1014	.0005
43	.239	.0000	.0000	.0562	.1523	.0007
44	.244	.0000	.0000	.2312	.2261	.0012
45	.250	.0719	.0698	.0364	.2990	.0511
46	.256	.0676	.0656	.0344	.2586	.0430
47	.261	.0478	.0460	.0154	.1629	.0203
48	.267	.0330	.0321	.0082	.0326	.0097
49	.272	.0231	.0231	.0046	.0000	.0000
50	.278	.0166	.0166	.0000	.0000	.0000
51	.283	.0126	.0126	.0000	.0000	.0000
52	.289	.0096	.0096	.0000	.0000	.0000
53	.294	.0073	.0073	.0000	.0000	.0000
54	.300	.0056	.0056	.0000	.0000	.0000
55	.306	.0040	.0040	.0000	.0000	.0000
56	.311	.0031	.0031	.0000	.0000	.0000
57	.317	.0020	.0020	.0000	.0000	.0000
58	.322	.0016	.0016	.0000	.0000	.0000
59	.328	.0012	.0012	.0000	.0000	.0000
60	.333	.0007	.0007	.0000	.0000	.0000

SMOOTHED HEMICASTING SPECTRA COMPUTED MARCH 1963
 DATE = 13/ 9/61
 HMR = 19
 TOTAL DF = 176
 NOISE LEVEL = .0364
 WIND SPEED = 0

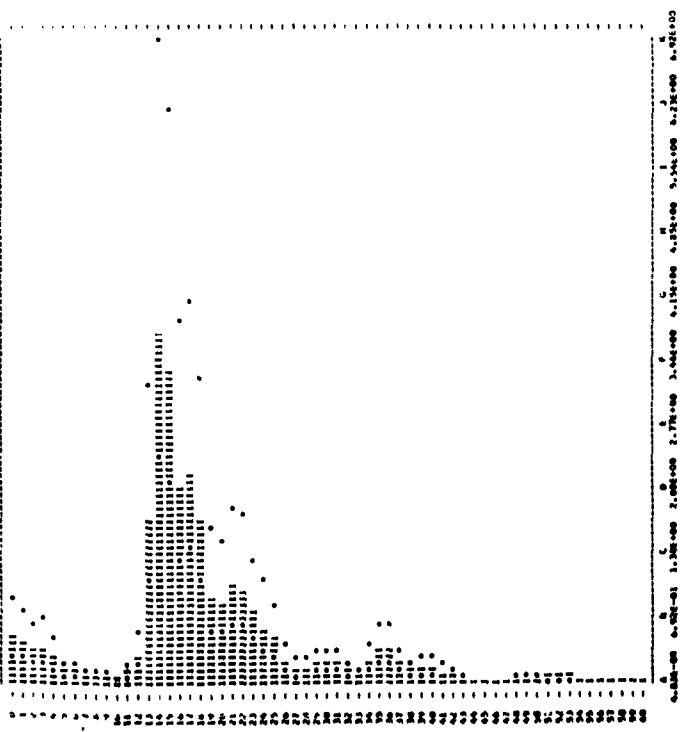


HEMICASTING SPECTRA COMPUTED JAN. 1963

DATE = 14/ 9/61 SV. T= 9.2 RECORD = DL 74
 HMR = 0 SIG. HGT. = 20.5 UPPER HGT. = 27.6
 TOTAL DF = 147 CORR. VAR. = 28.4 LOWER HGT. = 14.7
 NOISE LEVEL = .0154 WIND SPEED = 0

H	PRE. UNIT=FT.2	FILTRD	-NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.4891	.4891	.4737	.4737	.4011
1	.006	.6160	.6160	.6000	.6000	.5291
2	.011	.7437	.7437	.7273	.7273	.6570
3	.017	.8724	.8724	.8560	.8560	.7857
4	.022	.1002	.1002	.9808	.9808	.9512
5	.027	.1281	.1281	.1097	.1097	.1022
6	.033	.1560	.1560	.1376	.1376	.1301
7	.039	.1848	.1848	.1664	.1664	.1589
8	.044	.2136	.2136	.1952	.1952	.1877
9	.050	.2424	.2424	.2240	.2240	.2165
10	.056	.2711	.2711	.2527	.2527	.2452
11	.061	.3000	.3000	.2816	.2816	.2741
12	.067	.3287	.3287	.3103	.3103	.3028
13	.072	.3574	.3574	.3390	.3390	.3315
14	.078	.3862	.3862	.3678	.3678	.3603
15	.083	.4150	.4150	.3936	.3936	.3861
16	.089	.4437	.4437	.4222	.4222	.4147
17	.094	.4725	.4725	.4508	.4508	.4433
18	.100	.5012	.5012	.4795	.4795	.4720
19	.106	.5300	.5300	.5082	.5082	.5007
20	.111	.5587	.5587	.5368	.5368	.5293
21	.117	.5875	.5875	.5655	.5655	.5580
22	.122	.6162	.6162	.5942	.5942	.5867
23	.128	.6450	.6450	.6230	.6230	.6155
24	.133	.6737	.6737	.6527	.6527	.6452
25	.138	.7025	.7025	.6814	.6814	.6739
26	.144	.7312	.7312	.7101	.7101	.7026
27	.150	.7600	.7600	.7388	.7388	.7313
28	.156	.7887	.7887	.7675	.7675	.7600
29	.161	.8175	.8175	.7962	.7962	.7887
30	.167	.8462	.8462	.8250	.8250	.8175
31	.172	.8750	.8750	.8537	.8537	.8462
32	.178	.9037	.9037	.8824	.8824	.8749
33	.183	.9325	.9325	.9111	.9111	.9036
34	.189	.9612	.9612	.9398	.9398	.9323
35	.194	.9900	.9900	.9685	.9685	.9610
36	.200	1.0187	1.0187	.9972	.9972	.9897
37	.206	1.0475	1.0475	1.0259	1.0259	1.0184
38	.211	1.0762	1.0762	1.0546	1.0546	1.0471
39	.217	1.1050	1.1050	1.0833	1.0833	1.0758
40	.222	1.1337	1.1337	1.1120	1.1120	1.1045
41	.228	1.1625	1.1625	1.1407	1.1407	1.1332
42	.233	1.1912	1.1912	1.1694	1.1694	1.1619
43	.239	1.2200	1.2200	1.1981	1.1981	1.1906
44	.244	1.2487	1.2487	1.2268	1.2268	1.2193
45	.250	1.2775	1.2775	1.2555	1.2555	1.2480
46	.256	1.3062	1.3062	1.2842	1.2842	1.2767
47	.261	1.3350	1.3350	1.3129	1.3129	1.3054
48	.267	1.3637	1.3637	1.3416	1.3416	1.3341
49	.272	1.3925	1.3925	1.3703	1.3703	1.3626
50	.278	1.4212	1.4212	1.3990	1.3990	1.3911
51	.283	1.4500	1.4500	1.4277	1.4277	1.4196
52	.289	1.4787	1.4787	1.4564	1.4564	1.4481
53	.294	1.5075	1.5075	1.4851	1.4851	1.4766
54	.300	1.5362	1.5362	1.5138	1.5138	1.5051
55	.306	1.5650	1.5650	1.5425	1.5425	1.5336
56	.311	1.5937	1.5937	1.5712	1.5712	1.5621
57	.317	1.6225	1.6225	1.6000	1.6000	1.5896
58	.322	1.6512	1.6512	1.6287	1.6287	1.6181
59	.328	1.6800	1.6800	1.6574	1.6574	1.6466
60	.333	1.7087	1.7087	1.6861	1.6861	1.6751

SMOOTHED HEMICASTING SPECTRA COMPUTED JAN. 1963
 DATE = 14/ 9/61
 HMR = 0
 TOTAL DF = 147
 NOISE LEVEL = .0154
 WIND SPEED = 0

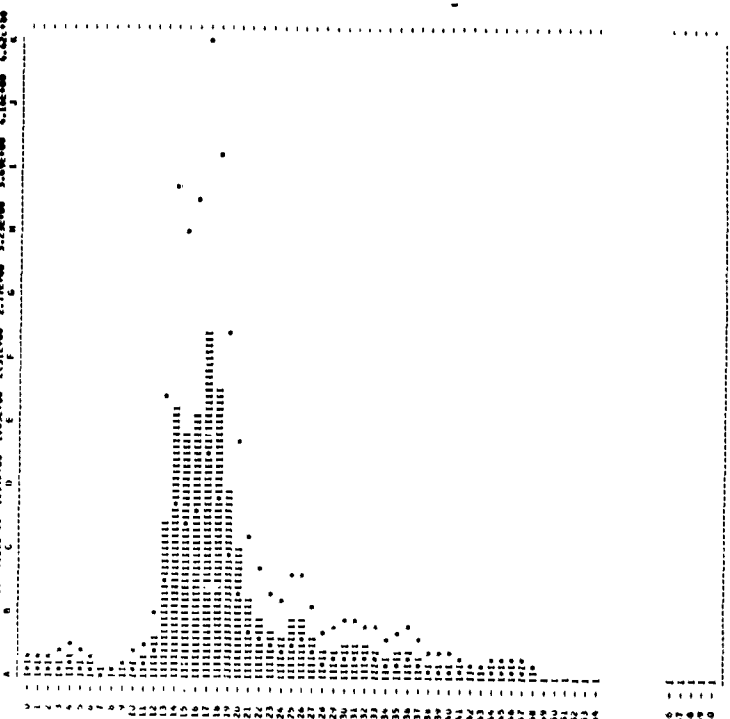


SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 30/ 3/61 Av. T. = 8.6 RECORD = DL 75
 HOUR = 4 SIG.MGT. = 18.0 UPPER MGT. = 19.7
 TOTAL SP = 184 CORR. VAL. = 20.2 LOWER MGT. = 16.4
 NOISE LEVEL = .0124 WIND SPEED = 0

H	FREQ. UNIT	F.T.2	FILTERED	NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.0014	.0014	.0750	.0700	1.486	.0583
1	.000	.0003	.0003	.0770	.0770	1.435	.0496
2	.011	.0061	.0061	.0817	.0817	1.505	.0520
3	.017	.0111	.0111	.0807	.0807	2.003	.0642
4	.022	.0149	.0149	.1329	.1329	2.642	.0843
5	.033	.0175	.0175	.0881	.0881	1.782	.0603
6	.033	.0572	.0572	.0640	.0709	1.300	.0649
7	.039	.0362	.0362	.0238	.0316	.082	.0201
8	.044	.0290	.0290	.0166	.0197	.034	.0126
9	.050	.0594	.0594	.0432	.0479	.083	.0309
10	.056	.1139	.1139	.1011	.1076	1.980	.0684
11	.061	.1240	.1240	.1118	.1158	.214	.0737
12	.067	.2005	.2005	.2361	.2627	.484	.1672
13	.072	1.0082	1.0082	1.2789	1.5377	2.034	.7028
14	.078	1.8818	1.8818	1.8491	1.956	3.585	1.2310
15	.083	1.6894	1.6894	1.4732	1.7892	3.242	1.1201
16	.088	1.7079	1.7079	.791	1.826	3.478	1.2018
17	.094	2.2827	2.2827	2.2703	2.5050	4.0171	1.9590
18	.100	1.8700	1.8700	1.4076	2.0877	3.7927	1.3107
19	.106	1.1334	1.1334	1.1610	1.3469	2.4826	.8976
20	.111	.7609	.7609	.7469	.910	1.841	.5882
21	.117	.4337	.4337	.4213	.5399	.9952	.3438
22	.122	.3399	.3399	.3235	.4342	.8003	.2769
23	.128	.2912	.2912	.2360	.3368	.8207	.2444
24	.133	.2134	.2134	.2010	.2889	.5808	.1903
25	.139	.2459	.2459	.2469	.3079	.7335	.2594
26	.144	.2592	.2592	.2428	.4050	.7645	.2579
27	.150	.1046	.1046	.1322	.2899	.6976	.1718
28	.156	.1048	.1048	.1048	.1742	.5210	.1109
29	.161	.1138	.1138	.1014	.2051	.3740	.1306
30	.167	.1188	.1188	.1044	.2269	.6175	.1442
31	.174	.1040	.1040	.1040	.2183	.4022	.1388
32	.178	.0968	.0968	.0844	.2124	.3014	.1152
33	.183	.0830	.0830	.0706	.1818	.3535	.1221
34	.189	.0810	.0810	.0740	.1608	.3486	.1046
35	.194	.0846	.0846	.0522	.1670	.3079	.1044
36	.200	.0884	.0884	.0580	.1953	.3600	.1244
37	.206	.0544	.0544	.0442	.1599	.2966	.1018
38	.211	.0339	.0339	.0215	.0896	.1651	.0570
39	.217	.0336	.0336	.0212	.0870	.1788	.0818
40	.224	.0344	.0344	.0135	.1044	.1958	.0874
41	.228	.0272	.0272	.0154	.0856	.1578	.0545
42	.233	.0203	.0203	.0096	.0542	.1091	.0377
43	.239	.0204	.0204	.0098	.0581	.1071	.0370
44	.244	.0227	.0227	.0094	.0716	.1320	.0456
45	.250	.0217	.0217	.0089	.0754	.1390	.0480
46	.256	.0193	.0193	.0081	.0727	.1339	.0483
47	.261	.0402	.0402	.0084	.0724	.1335	.0461
48	.267	.0174	.0174	.0063	.0510	.0940	.0325
49	.272	.0111	.0111	.0047	.0046	.0317	.0131
50	.278	.0114	.0114	.0000	.0000	.0000	.0000
51	.283	.0119	.0119	.0000	.0000	.0000	.0000
52	.289	.0116	.0116	.0000	.0000	.0000	.0000
53	.294	.0128	.0128	.0000	.0000	.0000	.0000
54	.300	.0113	.0113	.0000	.0000	.0000	.0000
55	.306	.0114	.0114	.0000	.0000	.0000	.0000
56	.311	.0167	.0167	.0029	.0029	.0054	.0019
57	.317	.0186	.0186	.0030	.0030	.0055	.0019
58	.322	.0116	.0116	.0002	.0002	.0003	.0001
59	.328	.0102	.0102	.0000	.0000	.0000	.0000
60	.333	.0107	.0107	.0000	.0000	.0000	.0000

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 4 AVERAGE = .0000000
 0.37E-03 0.42E-01 0.23E-01 1.70E-00 1.85E-00 2.17E-00 2.70E-00 3.00E-00 4.10E-00 4.10E-00

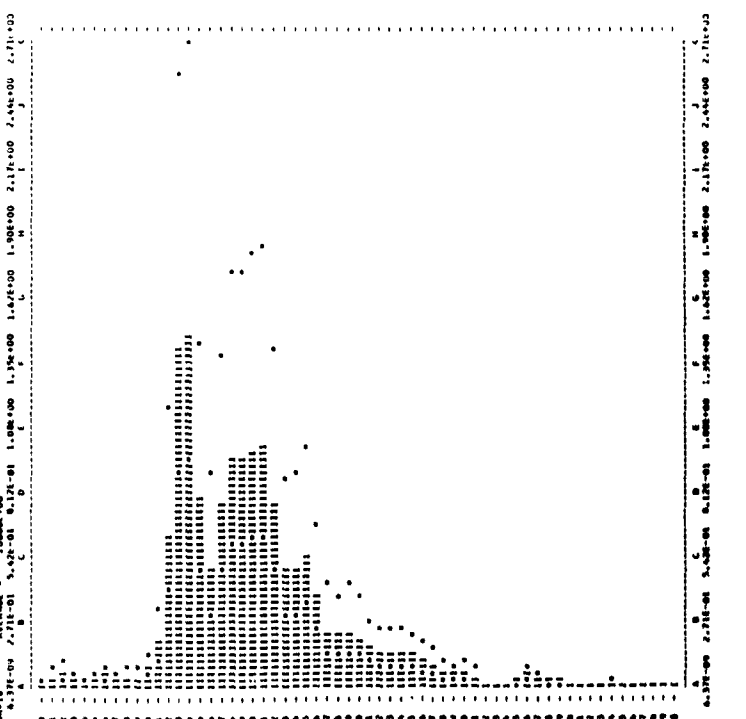


SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 30/ 3/60 Av. T. = 8.6 RECORD = DL 76
 HOUR = 18 SIG.MGT. = 19.3 UPPER MGT. = 16.7
 TOTAL SP = 187 CORR. VAL. = 15.7 LOWER MGT. = 14.1
 NOISE LEVEL = .0230 WIND SPEED = 45

H	FREQ. UNIT	F.T.2	FILTERED	NOISE	CORR.F.T.2	UPPER	LOWER
0	.000	.0360	.0360	.0130	.0239	.0043	
1	.009	.0629	.0629	.0394	.0399	.0735	.0294
2	.011	.0795	.0795	.0565	.0565	.1041	.0360
3	.017	.0823	.0823	.0793	.0793	.0539	.0186
4	.022	.0362	.0362	.0132	.0132	.0243	.0046
5	.028	.0652	.0652	.0222	.0222	.0408	.0161
6	.033	.0523	.0523	.0293	.0293	.0850	.0294
7	.039	.0481	.0481	.0251	.0333	.0613	.0212
8	.044	.0554	.0554	.0324	.0385	.0710	.0245
9	.050	.0596	.0596	.0396	.0468	.0748	.0234
10	.056	.0452	.0452	.0272	.0367	.1414	.0488
11	.061	.1471	.1471	.1741	.1806	.3328	.1150
12	.067	.4730	.4730	.4100	.4254	1.531	.3984
13	.072	1.3830	1.3830	1.1409	1.282	2.5735	.8940
14	.078	1.4424	1.4424	1.4194	1.4890	2.7077	.9354
15	.083	.7864	.7864	.7436	.7818	1.4405	.4977
16	.089	.4763	.4763	.4533	.4820	.8881	.3044
17	.094	.7057	.7057	.6877	.7532	1.3883	.4796
18	.100	.8536	.8536	.8306	.8455	1.7427	.6020
19	.106	.8148	.8148	.7518	.8347	1.2227	.5051
20	.111	.8191	.8191	.7961	.8776	1.8019	.6225
21	.117	.8024	.8024	.7794	.8989	1.8411	.6360
22	.122	.9040	.9040	.8710	.8849	1.4127	.4880
23	.128	.3605	.3605	.3375	.4760	.8773	.3031
24	.133	.3502	.3502	.3272	.4865	.8967	.3098
25	.139	.3664	.3664	.3431	.5197	.9667	.3438
26	.144	.2450	.2450	.2220	.3701	.8824	.2358
27	.150	.1520	.1520	.1490	.2287	.4216	.1596
28	.156	.1364	.1364	.1114	.2107	.3883	.1341
29	.161	.1354	.1354	.1129	.2283	.4209	.1454
30	.167	.1154	.1154	.0824	.2005	.3695	.1276
31	.172	.0870	.0870	.0640	.1442	.2768	.0950
32	.178	.0755	.0755	.0525	.1320	.2434	.0841
33	.183	.0695	.0695	.0465	.1283	.2328	.0806
34	.189	.0688	.0688	.0468	.1178	.2361	.0818
35	.194	.0611	.0611	.0401	.1219	.2246	.0776
36	.200	.0507	.0507	.0277	.0943	.1779	.0615
37	.206	.0474	.0474	.0244	.0928	.1710	.0591
38	.211	.0374	.0374	.0144	.0599	.1104	.0381
39	.217	.0340	.0340	.0110	.0502	.0826	.0320
40	.224	.0244	.0244	.0104	.0522	.0963	.0333
41	.228	.0298	.0297	.0067	.0372	.0695	.0237
42	.233	.0244	.0240	.0000	.0000	.0112	.0039
43	.239	.0244	.0244	.0000	.0000	.0000	.0000
44	.244	.0103	.0102	.0000	.0000	.0000	.0000
45	.250	.0267	.0269	.0019	.0139	.0294	.0101
46	.256	.0306	.0306	.0276	.0346	.0452	.0128
47	.261	.0246	.0259	.0029	.0308	.0547	.0198
48	.267	.0246	.0266	.0016	.0191	.0392	.0122
49	.272	.0246	.0246	.0013	.0178	.0322	.0114
50	.278	.0233	.0230	.0000	.0000	.0000	.0000
51	.283	.0207	.0215	.0000	.0000	.0000	.0000
52	.289	.0214	.0211	.0000	.0000	.0000	.0000
53	.294	.0288	.0278	.0048	.0048	.0059	.0031
54	.300	.0324	.0307	.0077	.0077	.0142	.0049
55	.306	.0246	.0246	.0000	.0000	.0000	.0000
56	.311	.0237	.0234	.0004	.0004	.0008	.0003
57	.317	.0170	.0188	.0000	.0000	.0000	.0000
58	.322	.0146	.0146	.0000	.0000	.0000	.0000
59	.328	.0146	.0142	.0000	.0000	.0000	.0000
60	.333	.0236	.0215	.0000	.0000	.0000	.0000

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 18 AVERAGE = .0000000
 0.37E-03 0.42E-01 0.23E-01 1.70E-00 1.85E-00 2.17E-00 2.70E-00 3.00E-00 4.10E-00 4.10E-00

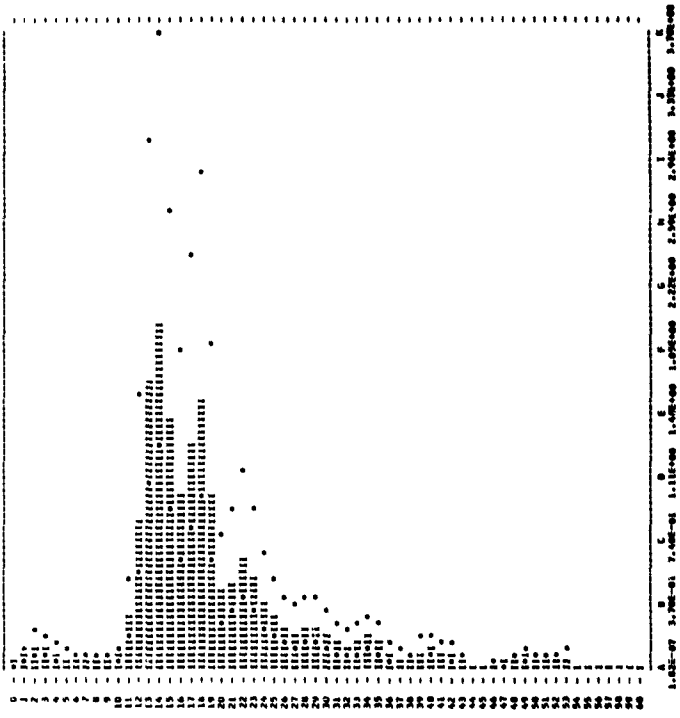


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 01/1/60 AV. T = 9.7 RECORD = DL 77
 HOUR = 21 SIG. HGT. = 16.4 UPPER HGT. = 16.1
 TOTAL DP = 150 CORR. VAD. = 1.2 LOWER HGT. = 15.2
 NOISE LEVEL = .0100 WIND SPEED = 40

N	PRE. UNIT-FT.2	FILTERED	-NOISE	CORR. FT.2	UPPER	LOWER
0	.0000	-.0395	-.0395	-.0395	-.0395	-.0184
1	.0000	-.0729	-.0729	-.0729	-.0729	-.0529
2	.0111	-.1279	-.1279	-.1169	-.1169	-.0764
3	.0117	-.1295	-.1295	-.1095	-.1095	-.0780
4	.0222	-.0911	-.0911	-.0807	-.0807	-.0515
5	.0220	-.0844	-.0844	-.0740	-.0740	-.0504
6	.0333	-.0622	-.0622	-.0516	-.0516	-.0317
7	.0330	-.0599	-.0599	-.0493	-.0493	-.0294
8	.0444	-.0413	-.0413	-.0307	-.0307	-.0233
9	.0330	-.0434	-.0434	-.0328	-.0328	-.0232
10	.0334	-.0471	-.0471	-.0365	-.0365	-.0233
11	.0661	-.2878	-.2878	-.2772	-.2772	-.1831
12	.0667	-.0649	-.0649	-.0543	-.0543	-.0344
13	.0772	1.4378	1.4378	1.4272	1.4272	1.3031
14	.0770	1.4305	1.4305	1.4200	1.4200	1.2789
15	.0883	1.3827	1.3827	1.3721	1.3721	1.2546
16	.0889	-.9461	-.9461	-.9355	-.9355	-.8114
17	.0994	1.1924	1.1924	1.1819	1.1819	1.0578
18	.1000	1.3819	1.3819	1.3713	1.3713	1.2472
19	.1006	-.8710	-.8710	-.8604	-.8604	-.7363
20	.1111	-.3575	-.3575	-.3469	-.3469	-.2228
21	.1117	-.3477	-.3477	-.3371	-.3371	-.2130
22	.1222	-.4704	-.4704	-.4598	-.4598	-.3357
23	.1228	-.3720	-.3720	-.3614	-.3614	-.2373
24	.1333	-.2510	-.2510	-.2404	-.2404	-.1132
25	.1339	-.1936	-.1936	-.1830	-.1830	-.0557
26	.1444	-.1474	-.1474	-.1368	-.1368	-.0153
27	.1550	-.1326	-.1326	-.1220	-.1220	-.0127
28	.1556	-.1310	-.1310	-.1204	-.1204	-.0100
29	.1661	-.1181	-.1181	-.1075	-.1075	-.0109
30	.1667	-.0927	-.0927	-.0821	-.0821	-.0107
31	.1772	-.0699	-.0699	-.0593	-.0593	-.0082
32	.1778	-.0613	-.0613	-.0507	-.0507	-.0083
33	.1883	-.0467	-.0467	-.0361	-.0361	-.0068
34	.1889	-.0473	-.0473	-.0367	-.0367	-.0066
35	.1994	-.0516	-.0516	-.0410	-.0410	-.0057
36	.2000	-.0362	-.0362	-.0256	-.0256	-.0031
37	.2006	-.0244	-.0244	-.0138	-.0138	-.0027
38	.2111	-.0214	-.0214	-.0108	-.0108	-.0027
39	.2117	-.0304	-.0304	-.0198	-.0198	-.0027
40	.2222	-.0332	-.0332	-.0226	-.0226	-.0028
41	.2228	-.0250	-.0250	-.0144	-.0144	-.0027
42	.2333	-.0240	-.0240	-.0134	-.0134	-.0027
43	.2339	-.0177	-.0177	-.0071	-.0071	-.0027
44	.2444	-.0091	-.0091	-.0010	-.0010	-.0027
45	.2450	-.2510	-.2510	-.2404	-.2404	-.0027
46	.2556	-.0133	-.0133	-.0027	-.0027	-.0027
47	.2561	-.0128	-.0128	-.0027	-.0027	-.0027
48	.2667	-.0141	-.0141	-.0035	-.0035	-.0027
49	.2772	-.0143	-.0143	-.0035	-.0035	-.0027
50	.2778	-.0135	-.0135	-.0030	-.0030	-.0027
51	.2883	-.0111	-.0111	-.0024	-.0024	-.0027
52	.2889	-.0137	-.0137	-.0035	-.0035	-.0027
53	.2994	-.0109	-.0109	-.0000	-.0000	-.0027
54	.3000	-.0082	-.0082	-.0000	-.0000	-.0027
55	.3006	-.0093	-.0093	-.0000	-.0000	-.0027
56	.3111	-.0099	-.0099	-.0000	-.0000	-.0027
57	.3117	-.0103	-.0103	-.0000	-.0000	-.0027
58	.3222	-.0094	-.0094	-.0000	-.0000	-.0027
59	.3228	-.0093	-.0093	-.0000	-.0000	-.0027
60	.3333	-.0100	-.0100	-.0000	-.0000	-.0027

HINDCASTING SPECTRA COMPUTED JAN. 1963
 DATE = 01/1/60
 HOUR = 21
 TOTAL DP = 150
 SIG. HGT. = 16.4
 CORR. VAD. = 1.2
 NOISE LEVEL = .0100
 WIND SPEED = 40
 UPPER HGT. = 16.1
 LOWER HGT. = 15.2

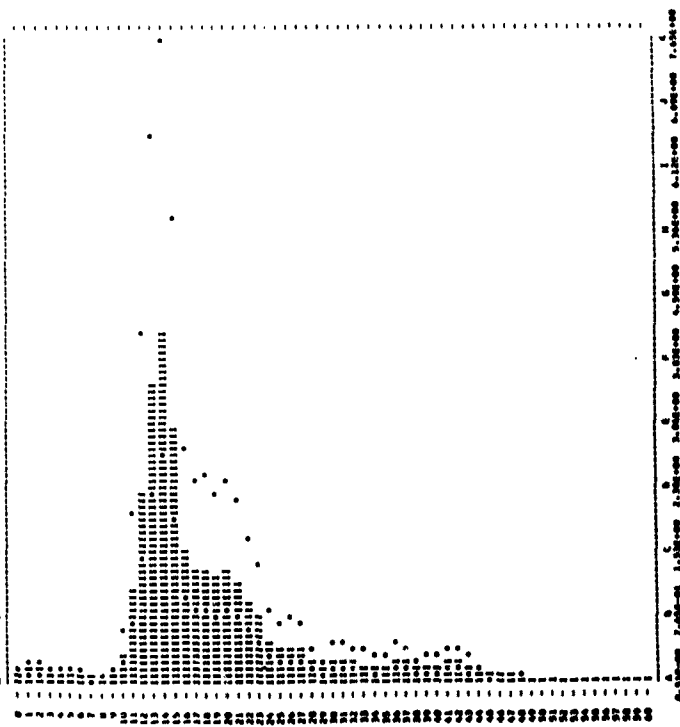


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/1/60 AV. T = 9.1 RECORD = DL 78
 HOUR = 0 SIG. HGT. = 21.7 UPPER HGT. = 23.9
 TOTAL DP = 150 CORR. VAD. = 2.5 LOWER HGT. = 19.8
 NOISE LEVEL = .0145 WIND SPEED = 40

N	PRE. UNIT-FT.2	FILTERED	-NOISE	CORR. FT.2	UPPER	LOWER
0	.0000	-.0781	-.0781	-.0636	-.0636	-.1172
1	.0000	-.1364	-.1364	-.1189	-.1189	-.2124
2	.0111	-.1377	-.1377	-.1432	-.1432	-.2639
3	.0117	-.1011	-.1011	-.0866	-.0866	-.1596
4	.0222	-.0920	-.0920	-.0775	-.0775	-.1623
5	.0220	-.0879	-.0879	-.0714	-.0714	-.1316
6	.0333	-.0567	-.0567	-.0422	-.0422	-.0823
7	.0330	-.0446	-.0446	-.0301	-.0301	-.0776
8	.0444	-.0435	-.0435	-.0310	-.0310	-.0680
9	.0330	-.0910	-.0910	-.0774	-.0774	-.1385
10	.0334	-.1328	-.1328	-.1183	-.1183	-.2194
11	.0661	1.0687	1.0687	1.0542	1.0537	2.0159
12	.0667	2.1899	2.1899	2.1714	2.2272	4.1051
13	.0772	3.4446	3.4446	3.4231	3.4113	6.0053
14	.0770	4.8248	4.8248	4.8183	4.1907	7.6993
15	.0883	2.8590	2.8590	2.8445	2.9007	5.5123
16	.0889	1.4391	1.4391	1.4206	1.5105	2.7061
17	.0994	1.1726	1.1726	1.1581	1.2778	2.3952
18	.1000	1.1830	1.1830	1.1685	1.3302	2.9518
19	.1006	1.0436	1.0436	1.0291	1.2140	2.3991
20	.1111	1.0459	1.0459	1.0314	1.2665	2.3344
21	.1117	-.9289	-.9289	-.9144	1.1720	2.1001
22	.1222	-.7061	-.7061	-.6916	-.9266	1.7112
23	.1228	-.5346	-.5346	-.5201	-.7339	1.3926
24	.1333	-.3135	-.3135	-.3010	-.4476	-.8290
25	.1339	-.2614	-.2614	-.2489	-.3369	-.6879
26	.1444	-.2013	-.2013	-.1870	-.3121	-.5999
27	.1550	-.2195	-.2195	-.2050	-.2636	-.4701
28	.1556	-.1290	-.1290	-.1185	-.1805	-.2783
29	.1661	-.0816	-.0816	-.0671	-.1357	-.2502
30	.1667	-.1226	-.1226	-.1081	-.2344	-.3476
31	.1772	-.1336	-.1336	-.1191	-.2173	-.3117
32	.1778	-.0926	-.0926	-.0791	-.1991	-.3669
33	.1883	-.0630	-.0630	-.0495	-.1807	-.3470
34	.1889	-.0636	-.0636	-.0501	-.1517	-.3117
35	.1994	-.0726	-.0726	-.0591	-.1060	-.3628
36	.2000	-.0090	-.0090	-.0075	-.2626	-.4343
37	.2006	-.0466	-.0466	-.0351	-.1954	-.3680
38	.2111	-.0407	-.0407	-.0342	-.1424	-.3629
39	.2117	-.0310	-.0310	-.0274	-.1174	-.3150
40	.2222	-.0446	-.0446	-.0331	-.1763	-.3216
41	.2228	-.0314	-.0314	-.0270	-.2097	-.3702
42	.2333	-.0366	-.0366	-.0300	-.2263	-.4171
43	.2339	-.0460	-.0460	-.0394	-.1727	-.3183
44	.2444	-.0319	-.0319	-.0253	-.1594	-.3537
45	.2450	-.0109	-.0109	-.0094	-.0490	-.0917
46	.2556	-.0233	-.0233	-.0167	-.0621	-.1140
47	.2561	-.0399	-.0399	-.0333	-.0813	-.1134
48	.2667	-.0172	-.0172	-.0106	-.0272	-.0902
49	.2672	-.0119	-.0119	-.0053	-.0000	-.0000
50	.2778	-.0119	-.0119	-.0053	-.0000	-.0000
51	.2883	-.0153	-.0153	-.0087	-.0000	-.0000
52	.2889	-.0167	-.0167	-.0101	-.0000	-.0000
53	.2994	-.0132	-.0132	-.0066	-.0000	-.0000
54	.3000	-.0120	-.0120	-.0054	-.0000	-.0000
55	.3006	-.0137	-.0137	-.0071	-.0000	-.0000
56	.3111	-.0145	-.0145	-.0080	-.0000	-.0000
57	.3117	-.0147	-.0147	-.0082	-.0000	-.0000
58	.3222	-.0130	-.0130	-.0069	-.0000	-.0000
59	.3228	-.0129	-.0129	-.0068	-.0000	-.0000
60	.3333	-.0134	-.0134	-.0070	-.0000	-.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 DATE = 31/1/60
 HOUR = 0
 TOTAL DP = 150
 SIG. HGT. = 21.7
 CORR. VAD. = 2.5
 NOISE LEVEL = .0145
 WIND SPEED = 40
 UPPER HGT. = 23.9
 LOWER HGT. = 19.8

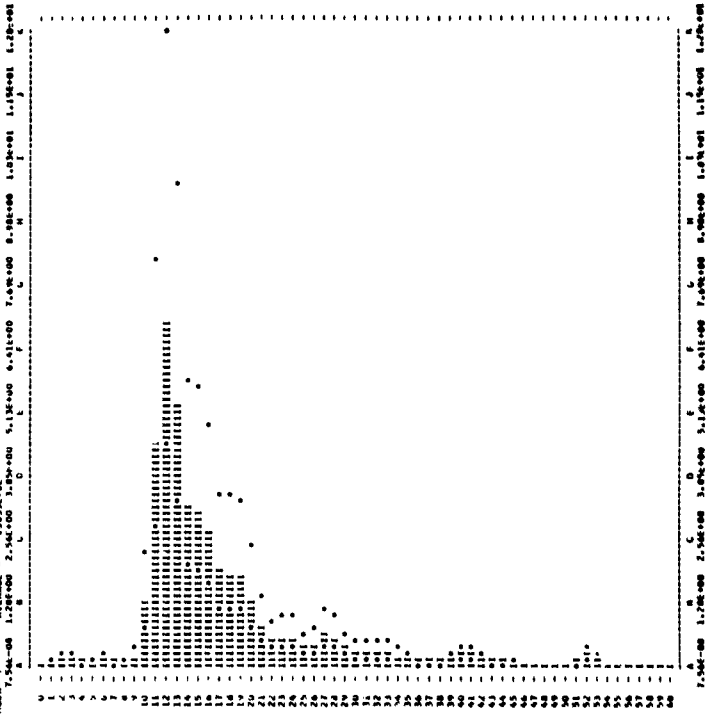


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 31/1/60 AV. Tm = 9.7 RECORD = DL 81
 HOUR = 0 SIG.MET. = 26.0 UPPER HGT. = 26.8
 TOTAL DP = 128 CORR. VAR. = 26.4 LOWER HGT. = 21.4
 NOISE LEVEL = .0206 WIND SPEED = 40

H	PAS.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.0000	.0621	.0421	.0215	.0215	.0307	.0137
1	.0066	.0726	.0726	.0520	.0520	.0926	.0321
2	.0111	.1393	.1393	.1188	.1188	.2189	.0786
3	.0133	.1651	.1657	.1451	.1451	.2675	.0926
4	.0222	.1160	.1160	.0962	.0962	.1772	.0612
5	.0228	.0766	.0766	.0539	.0539	.0993	.0363
6	.0330	.0871	.0871	.0665	.0665	.1091	.0467
7	.0339	.0866	.0869	.0662	.0662	.1097	.0471
8	.0444	.0943	.0943	.0737	.0737	.1040	.0476
9	.0540	.1033	.1033	.0826	.0826	.1007	.0480
10	.0566	1.1722	1.1722	1.1517	1.1517	1.2262	2.2566
11	.0611	4.3185	4.3185	4.2979	4.2979	6.2186	2.0393
12	.0647	6.4637	6.4637	6.4731	6.4975	12.0237	4.6301
13	.0712	3.1940	3.1949	3.1743	3.2088	9.7850	3.3804
14	.0778	3.0716	3.0716	3.0508	3.1976	5.0195	2.0106
15	.0823	2.9030	2.9030	2.8826	3.0505	5.5837	1.9297
16	.0889	2.5156	2.5156	2.4950	2.6529	4.8896	1.6192
17	.0944	1.7243	1.7243	1.7037	1.8794	3.4668	1.1970
18	.1000	1.4074	1.4074	1.3868	1.5975	3.4237	1.1427
19	.1066	1.5692	1.5692	1.5486	1.8281	3.3695	1.0400
20	.1111	1.0863	1.0863	1.0658	1.3087	2.4122	.8333
21	.1117	.8322	.8322	.8116	.7800	1.4444	.6992
22	.1122	.9009	.9009	.8802	.8104	.9008	.6120
23	.1228	.4136	.4136	.3930	.9543	1.0217	.3520
24	.1333	.3906	.3906	.3698	.9500	1.0137	.3500
25	.1339	.2801	.2801	.2595	.3168	.6966	.2393
26	.1444	.2591	.2591	.2385	.3979	.7336	.2533
27	.1540	.1786	.1786	.1580	.6350	1.1705	.4066
28	.1546	.1165	.1165	.1059	.3977	1.0317	.3566
29	.1611	.1856	.1856	.1651	.3339	.6155	.2126
30	.1617	.1436	.1436	.1230	.2670	.6921	.1700
31	.1722	.1311	.1311	.1106	.2976	.4732	.1442
32	.1778	.1348	.1348	.1142	.2875	.5300	.1631
33	.1883	.1143	.1143	.0938	.2549	.6696	.1623
34	.1889	.0828	.0828	.0622	.1816	.3381	.1168
35	.1944	.0633	.0633	.0427	.1433	.2640	.0912
36	.2000	.0488	.0488	.0282	.0996	.1813	.0626
37	.2066	.0631	.0631	.0425	.0837	.1500	.0566
38	.2111	.0442	.0442	.0236	.0984	.1816	.0627
39	.2117	.0352	.0352	.0147	.1588	.2427	.1011
40	.2222	.0756	.0756	.0551	.2272	.4187	.1447
41	.2228	.3602	.3602	.3400	.2002	.3644	.1276
42	.2333	.0323	.0323	.0119	.1139	.2094	.0723
43	.2339	.0315	.0315	.0119	.0813	.1498	.0568
44	.2444	.2347	.2347	.2141	.0845	.1558	.0536
45	.2500	.0261	.0261	.0056	.0576	.1058	.0368
46	.2506	.0227	.0227	.0022	.0298	.0950	.0190
47	.2611	.0235	.0235	.0020	.0216	.0397	.0137
48	.2617	.0207	.0207	.0000	.0000	.0000	.0000
49	.2722	.0186	.0186	.0000	.0000	.0000	.0000
50	.2778	.0150	.0150	.0000	.0000	.0000	.0000
51	.2883	.0244	.0244	.0000	.0000	.0000	.0000
52	.2889	.0364	.0364	.0101	.0877	.1248	.0431
53	.2944	.0295	.0295	.0000	.0000	.0000	.0000
54	.3000	.0186	.0186	.0000	.0000	.0000	.0000
55	.3006	.0161	.0161	.0000	.0000	.0000	.0000
56	.3111	.0174	.0168	.0000	.0000	.0000	.0000
57	.3117	.0145	.0144	.0000	.0000	.0000	.0000
58	.3222	.0155	.0145	.0000	.0000	.0000	.0000
59	.3228	.0171	.0172	.0000	.0000	.0000	.0000
60	.3333	.0194	.0182	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963

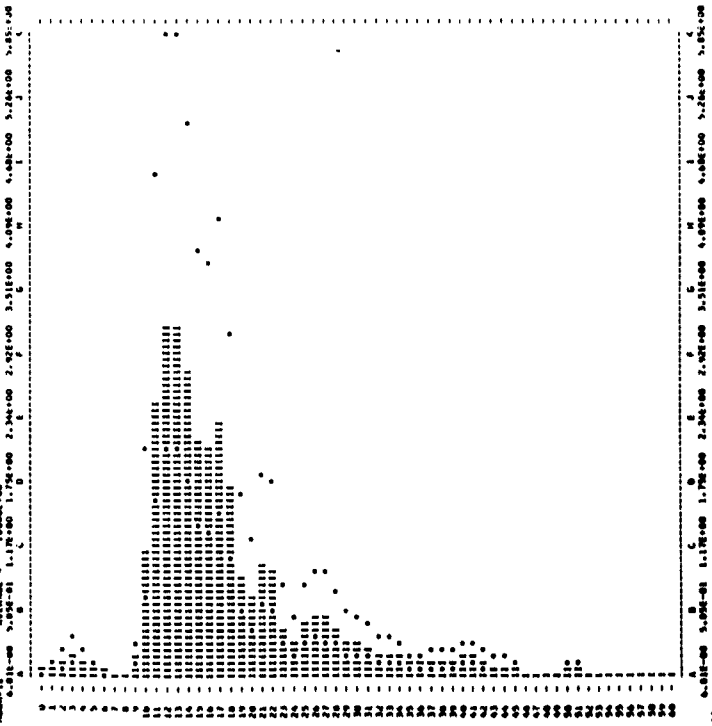


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/1/60 AV. Tm = 9.5 RECORD = DL 82
 HOUR = 12 SIG.MET. = 22.1 UPPER HGT. = 24.2
 TOTAL DP = 164 CORR. VAR. = 30.5 LOWER HGT. = 20.2
 NOISE LEVEL = .0268 WIND SPEED = 40

H	PAS.	UNIT-PT.2	FILTERED	-NOISE	CORR.PT.2	UPPER	LOWER
0	.0000	.0617	.0617	.0369	.0369	.0680	.0235
1	.0066	.0875	.0875	.0627	.0627	.1156	.0399
2	.0111	.1619	.1619	.1371	.1371	.2527	.0873
3	.0133	.2140	.2140	.1892	.1892	.3687	.1203
4	.0222	.1635	.1635	.1387	.1387	.2537	.0883
5	.0228	.0906	.0906	.0658	.0658	.1213	.0619
6	.0330	.0966	.0966	.0718	.0718	.1271	.0679
7	.0339	.0357	.0357	.0109	.0145	.0267	.0092
8	.0444	.0261	.0261	.0013	.0016	.0029	.0010
9	.0540	.1628	.1628	.1380	.1380	.2532	.0876
10	.0566	1.0559	1.0559	1.0307	1.0956	2.0194	.6976
11	.0611	2.4186	2.4186	2.3938	2.4336	4.5776	1.5814
12	.0647	3.1170	3.1170	3.0922	3.1171	5.8458	2.0189
13	.0712	3.1120	3.1120	3.0872	3.1675	5.6381	2.0149
14	.0778	2.6750	2.6750	2.6502	2.7430	5.0557	1.7666
15	.0823	2.0863	2.0863	2.0615	2.0813	3.8361	1.3532
16	.0889	1.9453	1.9453	1.9205	2.0421	3.7639	1.3003
17	.0944	2.0718	2.0718	2.0470	2.2987	4.1031	1.4382
18	.1000	1.5039	1.5039	1.4791	1.6838	3.1035	1.0222
19	.1066	.7904	.7904	.7656	.9038	1.6858	.5755
20	.1111	.5761	.5761	.5513	.6766	1.2633	.4295
21	.1117	.7969	.7969	.7721	.8871	1.8195	.6155
22	.1122	.7326	.7326	.7078	.8502	1.7513	.6050
23	.1228	.3368	.3368	.3120	.4373	.8060	.2766
24	.1333	.2187	.2187	.1939	.2839	.5233	.1808
25	.1339	.3091	.3091	.2843	.4473	.8244	.2868
26	.1444	.3374	.3374	.3126	.4216	.8613	.3121
27	.1540	.3063	.3063	.2815	.4493	.8203	.3179
28	.1546	.2483	.2483	.2235	.4228	.7796	.2692
29	.1611	.1807	.1807	.1559	.3136	.5813	.2008
30	.1617	.1594	.1594	.1346	.2839	.5225	.1809
31	.1722	.1328	.1328	.1080	.2519	.4443	.1604
32	.1778	.0889	.0889	.0641	.1895	.3620	.1181
33	.1883	.0970	.0970	.0722	.1963	.3818	.1260
34	.1889	.0815	.0815	.0567	.1672	.3081	.1063
35	.1944	.0536	.0536	.0288	.0923	.1700	.0587
36	.2000	.0487	.0487	.0239	.1064	.1924	.0669
37	.2066	.0597	.0597	.0349	.1330	.2451	.0867
38	.2111	.0548	.0548	.0300	.1252	.2308	.0787
39	.2117	.0460	.0460	.0212	.1139	.2167	.0692
40	.2222	.0597	.0597	.0321	.1619	.2786	.1031
41	.2228	.0542	.0542	.0277	.1538	.2636	.0980
42	.2333	.0617	.0617	.0381	.1123	.2071	.0714
43	.2339	.0366	.0366	.0122	.0835	.1538	.0531
44	.2444	.0372	.0372	.0110	.0835	.1539	.0532
45	.2500	.0362	.0362	.0106	.0761	.1436	.0487
46	.2506	.0211	.0211	.0000	.0000	.0000	.0000
47	.2611	.0122	.0122	.0000	.0000	.0000	.0000
48	.2617	.0128	.0128	.0000	.0000	.0000	.0000
49	.2722	.0117	.0117	.0000	.0000	.0000	.0000
50	.2778	.0332	.0332	.0088	.0722	.1331	.0460
51	.2883	.0302	.0302	.0034	.0970	.1865	.0388
52	.2889	.0191	.0191	.0000	.0000	.0000	.0000
53	.2944	.0213	.0213	.0000	.0000	.0000	.0000
54	.3000	.0248	.0231	.0000	.0000	.0000	.0000
55	.3006	.0213	.0213	.0000	.0000	.0000	.0000
56	.3111	.0211	.0210	.0000	.0000	.0000	.0000
57	.3117	.0236	.0236	.0000	.0000	.0000	.0000
58	.3222	.0200	.0200	.0000	.0000	.0000	.0000
59	.3228	.0296	.0296	.0037	.0617	.1068	.0323
60	.3333	.0247	.0271	.0024	.0024	.0068	.0023

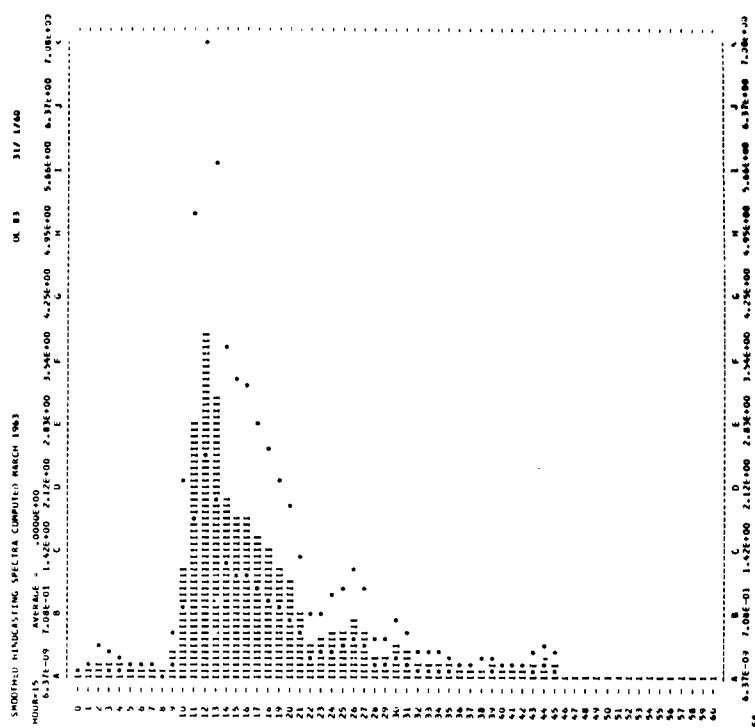
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963



SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/1/60 AV. T = 9.6 RECORD = DL B3
 HOUR = 18 SIG. HGT = 21.4 UPPER HGT = 21.7
 TOTAL DF = 150 CURR. VAL. = 20.3 LOWER HGT. = 19.8
 NOISE LEVEL = .0198 WIND SPEED = 40

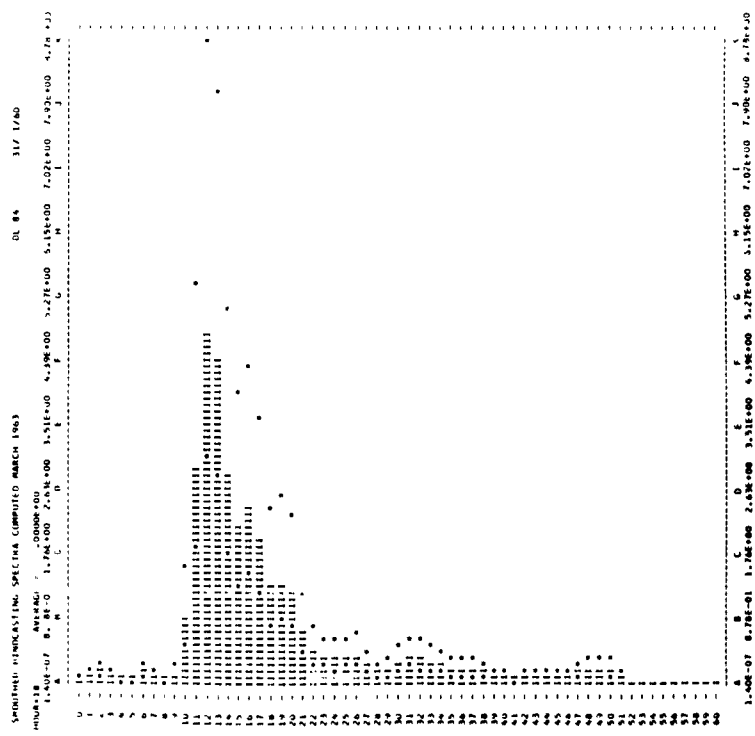
M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.F.T.2	UPPER	LOWER	
0	.000	.0488	.0488	.0300	-.0300	.0553	-.0191
1	.006	.1150	.1150	.0952	-.0952	.1754	-.0404
2	.011	.1961	.1961	.1743	-.1743	.2812	-.1110
3	.017	.3040	.3040	.2802	-.2802	.4433	-.2037
4	.022	.4316	.4316	.4118	-.4118	.6040	-.2712
5	.028	.5813	.5813	.5555	-.5555	.7640	-.3608
6	.033	.7529	.7529	.7229	-.7229	.9344	-.4733
7	.039	.9470	.9470	.9122	-.9122	.1155	-.6099
8	.044	1.1658	1.1658	1.1260	-.1126	.2744	-.7698
9	.050	1.4100	1.4100	1.3662	-.1366	.4666	-.9481
10	.056	1.6800	1.6800	1.6308	-.1630	.6854	-.1154
11	.061	2.0750	2.0750	2.0201	-.2020	.9377	-.1787
12	.067	2.5000	2.5000	2.4404	-.2440	1.2144	-.2443
13	.072	3.0495	3.0495	3.0497	-.3129	1.6123	-.3123
14	.078	3.7229	3.7229	3.7231	-.3760	2.1404	-.3764
15	.083	4.5229	4.5229	4.5231	-.4392	2.8044	-.4396
16	.089	5.4444	5.4444	5.4444	-.5024	3.6044	-.5028
17	.094	6.4888	6.4888	6.4888	-.5656	4.5444	-.5660
18	.100	7.7555	7.7555	7.7555	-.6288	5.6222	-.6292
19	.106	9.2444	9.2444	9.2444	-.6920	6.8444	-.6924
20	.111	1.0922	1.0922	1.0922	-.7552	8.3111	-.7556
21	.117	1.2944	1.2944	1.2944	-.8184	9.9444	-.8188
22	.122	1.5072	1.5072	1.5072	-.8816	11.7444	-.8820
23	.128	1.7298	1.7298	1.7298	-.9448	13.7111	-.9452
24	.133	2.0666	2.0666	2.0666	-.1010	15.8444	-.1014
25	.139	2.5199	2.5199	2.5199	-.1072	18.1444	-.1076
26	.144	3.0888	3.0888	3.0888	-.1134	20.7000	-.1138
27	.150	3.7733	3.7733	3.7733	-.1196	23.5222	-.1200
28	.156	4.5744	4.5744	4.5744	-.1258	26.6111	-.1262
29	.161	5.4922	5.4922	5.4922	-.1320	30.0666	-.1324
30	.167	6.5277	6.5277	6.5277	-.1382	33.8999	-.1386
31	.172	7.6800	7.6800	7.6800	-.1444	38.1111	-.1448
32	.178	8.9444	8.9444	8.9444	-.1506	42.7111	-.1510
33	.183	1.0333	1.0333	1.0333	-.1568	47.7000	-.1572
34	.189	1.2444	1.2444	1.2444	-.1630	53.0888	-.1634
35	.194	1.4777	1.4777	1.4777	-.1692	58.8777	-.1696
36	.200	1.7333	1.7333	1.7333	-.1754	65.0666	-.1758
37	.206	2.0111	2.0111	2.0111	-.1816	71.6555	-.1820
38	.211	2.3111	2.3111	2.3111	-.1878	78.6444	-.1882
39	.217	2.6333	2.6333	2.6333	-.1940	86.0333	-.1944
40	.222	3.0777	3.0777	3.0777	-.1992	93.8222	-.1996
41	.228	3.5444	3.5444	3.5444	-.2054	102.0111	-.2058
42	.233	4.0333	4.0333	4.0333	-.2116	110.6000	-.2120
43	.239	4.5444	4.5444	4.5444	-.2178	119.5888	-.2182
44	.244	5.0777	5.0777	5.0777	-.2240	128.9777	-.2244
45	.250	5.6333	5.6333	5.6333	-.2302	138.7666	-.2306
46	.256	6.2111	6.2111	6.2111	-.2364	148.9555	-.2368
47	.261	6.8111	6.8111	6.8111	-.2426	159.5444	-.2430
48	.267	7.4333	7.4333	7.4333	-.2488	170.5333	-.2492
49	.272	8.0777	8.0777	8.0777	-.2550	181.9222	-.2554
50	.278	8.7444	8.7444	8.7444	-.2612	193.7111	-.2616
51	.283	9.4333	9.4333	9.4333	-.2674	205.9000	-.2678
52	.289	1.0111	1.0111	1.0111	-.2736	218.4888	-.2740
53	.294	1.1000	1.1000	1.1000	-.2798	231.4777	-.2802
54	.300	1.2000	1.2000	1.2000	-.2860	244.8666	-.2864
55	.306	1.3111	1.3111	1.3111	-.2922	258.6555	-.2926
56	.311	1.4333	1.4333	1.4333	-.2984	272.8444	-.2988
57	.317	1.5666	1.5666	1.5666	-.3046	287.4333	-.3050
58	.322	1.7111	1.7111	1.7111	-.3108	302.4222	-.3112
59	.328	1.8666	1.8666	1.8666	-.3170	317.8111	-.3174
60	.333	2.0333	2.0333	2.0333	-.3232	333.6000	-.3236



SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 31/1/60 AV. T = 9.1 RECORD = DL B4
 HOUR = 18 SIG. HGT = 23.3 UPPER HGT = 23.6
 TOTAL DF = 143 CURR. VAL. = 33.9 LOWER HGT. = 21.2
 NOISE LEVEL = .0140 WIND SPEED = 35

M	FRE. UNIT=FT.2	FILTERED	-NOISE	CORR.F.T.2	UPPER	LOWER	
0	.000	.0548	.0548	.0408	-.0408	.0743	-.0260
1	.006	.1071	.1071	.0931	-.0931	.1717	-.0591
2	.011	.1691	.1691	.1551	-.1551	.2633	-.0988
3	.017	.2400	.2400	.2260	-.2260	.3700	-.1500
4	.022	.3200	.3200	.3060	-.3060	.4920	-.2100
5	.028	.4100	.4100	.3960	-.3960	.6300	-.2700
6	.033	.5100	.5100	.4960	-.4960	.7840	-.3400
7	.039	.6200	.6200	.6060	-.6060	.9540	-.4200
8	.044	.7400	.7400	.7260	-.7260	1.1400	-.5100
9	.050	.8700	.8700	.8560	-.8560	1.3440	-.6100
10	.056	1.0100	1.0100	.9960	-.9960	1.5640	-.7200
11	.061	1.1600	1.1600	1.1460	-.1146	1.8000	-.8400
12	.067	1.3200	1.3200	1.3060	-.1306	2.0540	-.9700
13	.072	1.4900	1.4900	1.4760	-.1476	2.3280	-.1110
14	.078	1.6700	1.6700	1.6560	-.1656	2.6220	-.1320
15	.083	1.8600	1.8600	1.8460	-.1846	2.9360	-.1540
16	.089	2.0600	2.0600	2.0460	-.2046	3.2700	-.1770
17	.094	2.2700	2.2700	2.2560	-.2256	3.6240	-.2010
18	.100	2.4900	2.4900	2.4760	-.2476	4.0000	-.2260
19	.106	2.7200	2.7200	2.7060	-.2706	4.3960	-.2520
20	.111	2.9600	2.9600	2.9460	-.2946	4.8120	-.2790
21	.117	3.2100	3.2100	3.1960	-.3196	5.2480	-.3070
22	.122	3.4700	3.4700	3.4560	-.3456	5.7040	-.3360
23	.128	3.7400	3.7400	3.7260	-.3726	6.1800	-.3660
24	.133	4.0200	4.0200	4.0060	-.4006	6.6760	-.3970
25	.139	4.3100	4.3100	4.2960	-.4296	7.1920	-.4290
26	.144	4.6100	4.6100	4.5960	-.4596	7.7280	-.4620
27	.150	4.9200	4.9200	4.9060	-.4906	8.2840	-.4960
28	.156	5.2400	5.2400	5.2260	-.5226	8.8600	-.5310
29	.161	5.5700	5.5700	5.5560	-.5556	9.4560	-.5470
30	.167	5.9100	5.9100	5.8960	-.5896	10.0720	-.5640
31	.172	6.2600	6.2600	6.2460	-.6246	10.7080	-.5820
32	.178	6.6200	6.6200	6.6060	-.6606	11.3640	-.6010
33	.183	6.9900	6.9900	6.9760	-.6976	12.0400	-.6210
34	.189	7.3700	7.3700	7.3560	-.7356	12.7360	-.6420
35	.194	7.7600	7.7600	7.7460	-.7746	13.4520	-.6640
36	.200	8.1600	8.1600	8.1460	-.8146	14.1880	-.6870
37	.206	8.5700	8.5700	8.5560	-.8556	14.9440	-.7110
38	.211	8.9900	8.9900	8.9760	-.8976	15.7200	-.7360
39	.217	9.4200	9.4200	9.4060	-.9406	16.5160	-.7620
40	.222	9.8600	9.8600	9.8460	-.9846	17.3320	-.7890
41	.228	1.0311	1.0311	1.0311	-.1031	18.1680	-.8170
42	.233	1.0833	1.0833	1.0833	-.1083	19.0340	-.8460
43	.239	1.1377	1.1377	1.1377	-.1138	19.9300	-.8760
44	.244	1.1944	1.1944	1.1944	-.1194	20.8560	-.9070
45	.250	1.2533	1.2533	1.2533	-.1253	21.8120	-.9390
46	.256	1.3144	1.3144	1.3144	-.1314	22.7980	-.9720
47	.261	1.3777	1.3777	1.3777	-.1378	23.8140	-.1000
48	.267	1.4433	1.4433	1.4433	-.1443	24.8600	-.1080
49	.272	1.5111	1.5111	1.5111	-.1511	25.9360	-.1170
50	.278	1.5811	1.5811	1.5811	-.1581	27.0420	-.1270
51	.283	1.6533	1.6533	1.6533	-.1653	28.1780	-.1380
52	.289	1.7277	1.7277	1.7277	-.1728	29.3440	-.1500
53	.294	1.8044	1.8044	1.8044	-.1804	30.5400	-.1630
54	.300	1.8833	1.8833	1.8833	-.1883	31.7660	-.1770
55	.306	1.9644	1.9644	1.9644	-.1964	33.0220	-.1920
56	.311	2.0477	2.0477	2.0477	-.2048	34.3080	-.2080
57	.317	2.1333	2.1333	2.1333	-.2133	35.6240	-.2250
58	.322	2.2211	2.2211	2.2211	-.2222	36.9700	-.2430
59	.328	2.3111	2.3111	2.3111	-.2311	38.3460	-.2620
60	.333	2.4033	2.4033	2.4033	-.2403	39.7520	-.2820



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 31/1/60 HV. T = 9.3 RECORD = DL 85
 MAJX = 21 SIG.MGT. = 21.4 UPPER MGT. = 23.5
 TOTAL DP = 147 CORR. VAR. = 28.0 LOWER MGT. = 19.4
 NOISE LEVEL = -0.119 WIND SPEED = 40

N	FRE. UNIT/FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.000	.000	.000	.000	.000
1	.006	.000	.000	.000	.000	.000
2	.011	.000	.000	.000	.000	.000
3	.017	.000	.000	.000	.000	.000
4	.022	.000	.000	.000	.000	.000
5	.026	.000	.000	.000	.000	.000
6	.033	.000	.000	.000	.000	.000
7	.039	.000	.000	.000	.000	.000
8	.044	.000	.000	.000	.000	.000
9	.050	.000	.000	.000	.000	.000
10	.056	.000	.000	.000	.000	.000
11	.061	.000	.000	.000	.000	.000
12	.067	.000	.000	.000	.000	.000
13	.072	.000	.000	.000	.000	.000
14	.078	.000	.000	.000	.000	.000
15	.083	.000	.000	.000	.000	.000
16	.089	.000	.000	.000	.000	.000
17	.094	.000	.000	.000	.000	.000
18	.100	.000	.000	.000	.000	.000
19	.104	.000	.000	.000	.000	.000
20	.111	.000	.000	.000	.000	.000
21	.117	.000	.000	.000	.000	.000
22	.122	.000	.000	.000	.000	.000
23	.126	.000	.000	.000	.000	.000
24	.133	.000	.000	.000	.000	.000
25	.139	.000	.000	.000	.000	.000
26	.144	.000	.000	.000	.000	.000
27	.150	.000	.000	.000	.000	.000
28	.156	.000	.000	.000	.000	.000
29	.161	.000	.000	.000	.000	.000
30	.167	.000	.000	.000	.000	.000
31	.172	.000	.000	.000	.000	.000
32	.178	.000	.000	.000	.000	.000
33	.183	.000	.000	.000	.000	.000
34	.189	.000	.000	.000	.000	.000
35	.194	.000	.000	.000	.000	.000
36	.200	.000	.000	.000	.000	.000
37	.206	.000	.000	.000	.000	.000
38	.211	.000	.000	.000	.000	.000
39	.217	.000	.000	.000	.000	.000
40	.222	.000	.000	.000	.000	.000
41	.228	.000	.000	.000	.000	.000
42	.233	.000	.000	.000	.000	.000
43	.239	.000	.000	.000	.000	.000
44	.244	.000	.000	.000	.000	.000
45	.250	.000	.000	.000	.000	.000
46	.256	.000	.000	.000	.000	.000
47	.261	.000	.000	.000	.000	.000
48	.267	.000	.000	.000	.000	.000
49	.272	.000	.000	.000	.000	.000
50	.278	.000	.000	.000	.000	.000
51	.283	.000	.000	.000	.000	.000
52	.289	.000	.000	.000	.000	.000
53	.294	.000	.000	.000	.000	.000
54	.300	.000	.000	.000	.000	.000
55	.306	.000	.000	.000	.000	.000
56	.311	.000	.000	.000	.000	.000
57	.317	.000	.000	.000	.000	.000
58	.322	.000	.000	.000	.000	.000
59	.328	.000	.000	.000	.000	.000
60	.333	.000	.000	.000	.000	.000

DL 85 31/1/60

DL 85 31/1/60

DL 85 31/1/60

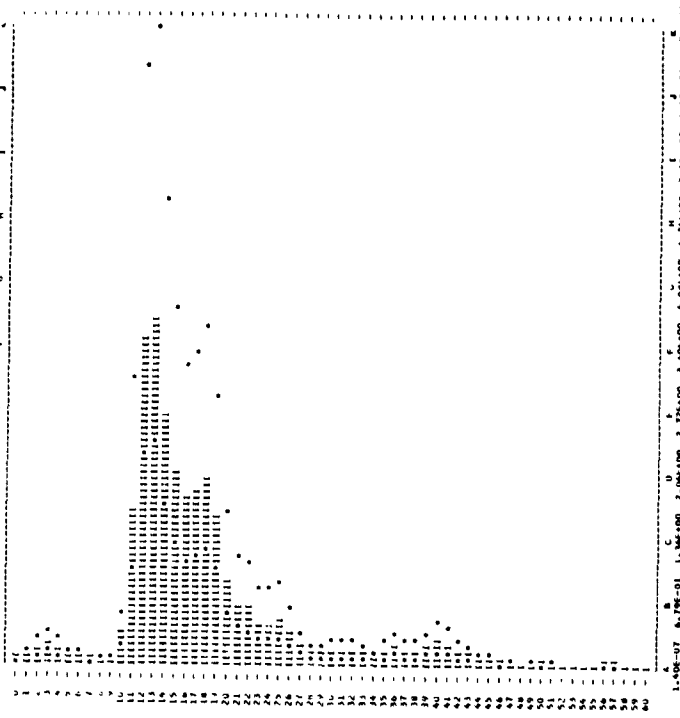
DL 85 31/1/60

DL 85 31/1/60

DL 85 31/1/60

DL 85 31/1/60

DL 85 31/1/60



HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 1/2/60 HV. T = 8.8 RECORD = DL 86
 MAJX = C SIG.MGT. = 20.0 UPPER MGT. = 21.5
 TOTAL DP = 158 CORR. VAR. = 25.1 LOWER MGT. = 18.3
 NOISE LEVEL = -0.132 WIND SPEED = 45

N	FRE. UNIT/FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.000	.000	.000	.000	.000
1	.006	.000	.000	.000	.000	.000
2	.011	.000	.000	.000	.000	.000
3	.017	.000	.000	.000	.000	.000
4	.022	.000	.000	.000	.000	.000
5	.026	.000	.000	.000	.000	.000
6	.033	.000	.000	.000	.000	.000
7	.039	.000	.000	.000	.000	.000
8	.044	.000	.000	.000	.000	.000
9	.050	.000	.000	.000	.000	.000
10	.056	.000	.000	.000	.000	.000
11	.061	.000	.000	.000	.000	.000
12	.067	.000	.000	.000	.000	.000
13	.072	.000	.000	.000	.000	.000
14	.078	.000	.000	.000	.000	.000
15	.083	.000	.000	.000	.000	.000
16	.089	.000	.000	.000	.000	.000
17	.094	.000	.000	.000	.000	.000
18	.100	.000	.000	.000	.000	.000
19	.106	.000	.000	.000	.000	.000
20	.111	.000	.000	.000	.000	.000
21	.117	.000	.000	.000	.000	.000
22	.122	.000	.000	.000	.000	.000
23	.126	.000	.000	.000	.000	.000
24	.133	.000	.000	.000	.000	.000
25	.139	.000	.000	.000	.000	.000
26	.144	.000	.000	.000	.000	.000
27	.150	.000	.000	.000	.000	.000
28	.156	.000	.000	.000	.000	.000
29	.161	.000	.000	.000	.000	.000
30	.167	.000	.000	.000	.000	.000
31	.172	.000	.000	.000	.000	.000
32	.178	.000	.000	.000	.000	.000
33	.183	.000	.000	.000	.000	.000
34	.189	.000	.000	.000	.000	.000
35	.194	.000	.000	.000	.000	.000
36	.200	.000	.000	.000	.000	.000
37	.206	.000	.000	.000	.000	.000
38	.211	.000	.000	.000	.000	.000
39	.217	.000	.000	.000	.000	.000
40	.222	.000	.000	.000	.000	.000
41	.228	.000	.000	.000	.000	.000
42	.233	.000	.000	.000	.000	.000
43	.239	.000	.000	.000	.000	.000
44	.244	.000	.000	.000	.000	.000
45	.250	.000	.000	.000	.000	.000
46	.256	.000	.000	.000	.000	.000
47	.261	.000	.000	.000	.000	.000
48	.267	.000	.000	.000	.000	.000
49	.272	.000	.000	.000	.000	.000
50	.278	.000	.000	.000	.000	.000
51	.283	.000	.000	.000	.000	.000
52	.289	.000	.000	.000	.000	.000
53	.294	.000	.000	.000	.000	.000
54	.300	.000	.000	.000	.000	.000
55	.306	.000	.000	.000	.000	.000
56	.311	.000	.000	.000	.000	.000
57	.317	.000	.000	.000	.000	.000
58	.322	.000	.000	.000	.000	.000
59	.328	.000	.000	.000	.000	.000
60	.333	.000	.000	.000	.000	.000

DL 86 1/2/60

DL 86 1/2/60

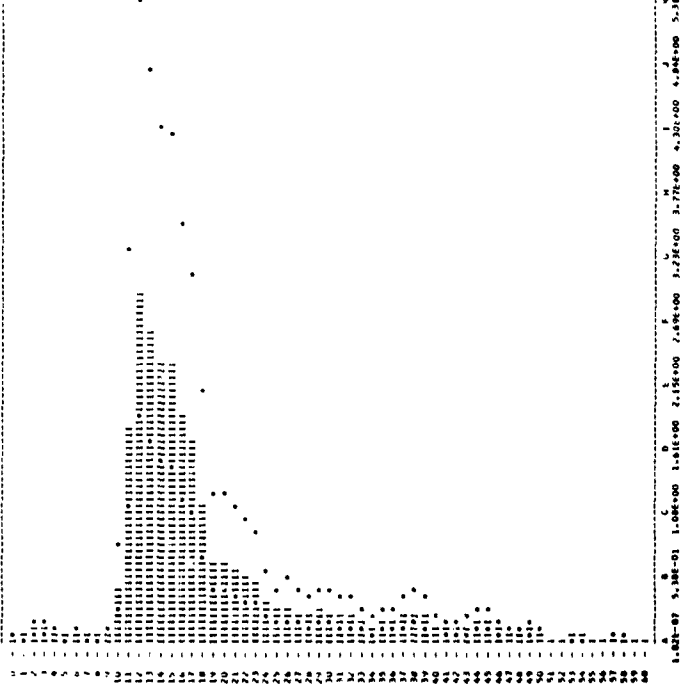
DL 86 1/2/60

DL 86 1/2/60

DL 86 1/2/60

DL 86 1/2/60

DL 86 1/2/60

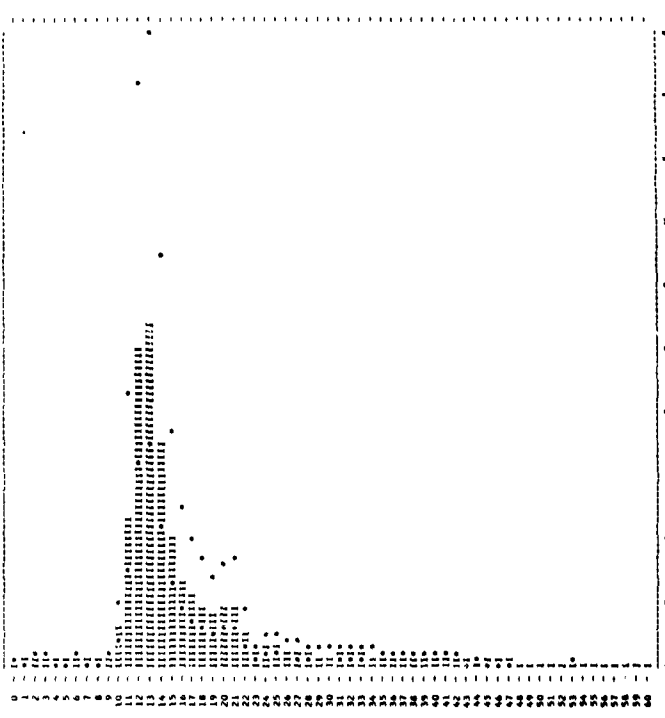


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 1/ 2/60 AV. T = 10.2 RECORD = DL 87
 HOUR = 6 SIG. HGT. = 17.1 UPPER HGT. = 19.1
 TOTAL DP = 104 CORR. VAL. = 16.2 LOWER HGT. = 15.3
 NOISE LEVEL = .0060 WIND SPEED = 10

M	FRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0363	.0363	.0303	.0559	.0193	
1	.006	.0542	.0542	.0482	.0889	.0307	
2	.011	.0877	.0877	.0817	.1506	.0520	
3	.017	.0816	.0816	.0756	.1394	.0481	
4	.022	.0507	.0507	.0447	.0850	.0285	
5	.028	.0461	.0461	.0401	.0739	.0255	
6	.033	.0440	.0440	.0380	.1162	.0401	
7	.039	.0421	.0421	.0361	.0884	.0300	
8	.044	.0348	.0348	.0288	.0343	.0632	.0218
9	.050	.0703	.0703	.0643	.0716	.1320	.0456
10	.056	.0421	.0421	.0361	.0417	.0287	.0275
11	.061	1.3953	1.3953	1.3893	1.4414	2.6547	.9178
12	.067	3.0043	3.0043	2.9983	3.0756	5.6687	1.9983
13	.072	3.2771	3.2771	3.2711	3.3562	6.1899	2.1370
14	.078	2.1124	2.1124	2.1064	2.1801	4.0183	1.3682
15	.083	1.1793	1.1793	1.1733	1.2294	2.2660	.7828
16	.089	.7882	.7882	.7822	.8317	1.5330	.5296
17	.094	.6046	.6046	.6004	.6427	1.2219	.4220
18	.100	.4991	.4991	.4951	.5616	1.0347	.3574
19	.106	.4036	.4036	.4004	.4717	.8423	.3004
20	.111	.4499	.4499	.4439	.4951	1.0047	.3471
21	.117	.4498	.4498	.4438	.5688	1.0494	.3622
22	.122	.2208	.2208	.2168	.2884	.3315	.1836
23	.128	.0841	.0841	.0781	.1102	.2031	.0702
24	.133	.1123	.1123	.1063	.1381	.2916	.1007
25	.139	.1178	.1178	.1118	.1781	.3227	.1178
26	.144	.0997	.0997	.0937	.1497	.2759	.0953
27	.150	.0737	.0737	.0677	.1201	.2214	.0765
28	.156	.0785	.0785	.0725	.0978	.1796	.0621
29	.161	.0480	.0480	.0420	.0850	.1564	.0541
30	.167	.0456	.0456	.0396	.0860	.1588	.0547
31	.172	.0429	.0429	.0369	.0846	.1516	.0517
32	.178	.0503	.0503	.0443	.1115	.2056	.0710
33	.183	.0407	.0407	.0347	.0846	.1739	.0601
34	.189	.0394	.0394	.0334	.0867	.1596	.0592
35	.194	.0266	.0266	.0206	.0660	.1216	.0407
36	.200	.0343	.0343	.0283	.0613	.1178	.0407
37	.206	.0262	.0262	.0202	.0770	.1419	.0490
38	.211	.0231	.0231	.0171	.0716	.1316	.0455
39	.217	.0195	.0195	.0135	.0619	.1162	.0396
40	.222	.0194	.0191	.0132	.0663	.1223	.0422
41	.228	.0183	.0176	.0117	.0649	.1196	.0413
42	.233	.0146	.0145	.0085	.0546	.0968	.0336
43	.239	.0104	.0112	.0052	.0394	.0692	.0225
44	.244	.0089	.0098	.0039	.0293	.0540	.0187
45	.250	.0102	.0105	.0045	.0343	.0507	.0246
46	.256	.0112	.0105	.0045	.0426	.0785	.0271
47	.261	.0084	.0089	.0029	.0311	.0573	.0198
48	.267	.0071	.0071	.0011	.0215	.0449	.0166
49	.272	.0053	.0054	.0000	.0000	.0000	.0000
50	.278	.0039	.0046	.0000	.0000	.0000	.0000
51	.283	.0043	.0043	.0000	.0000	.0000	.0000
52	.289	.0044	.0044	.0000	.0085	.0196	.0054
53	.294	.0072	.0069	.0010	.0212	.0190	.0135
54	.300	.0046	.0045	.0005	.0115	.0148	.0106
55	.306	.0053	.0053	.0000	.0000	.0000	.0000
56	.311	.0040	.0043	.0000	.0000	.0000	.0000
57	.317	.0046	.0043	.0000	.0000	.0000	.0000
58	.322	.0054	.0056	.0000	.0000	.0000	.0000
59	.328	.0075	.0072	.0012	.0012	.0022	.0008
60	.333	.0082	.0078	.0019	.0019	.0034	.0012

DL 87 1/ 2/60
 SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE = .0000E+00
 8.51E-08 6.19E-01 1.24E+00 1.84E+00 2.47E+00 3.09E+00 3.71E+00 4.33E+00 4.95E+00 5.57E+00 6.19E+00

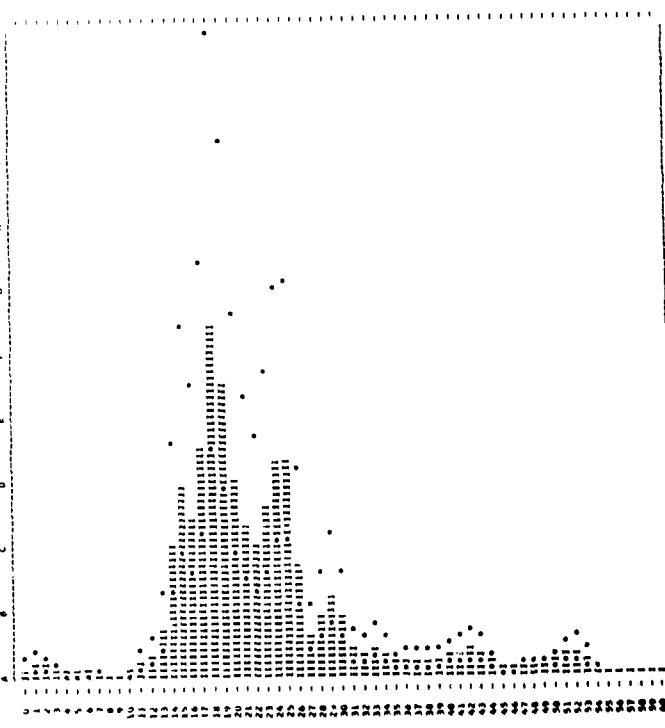


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 2/10/59 AV. T = 7.0 RECORD = DL 88
 HOUR = 9 SIG. HGT. = 8.1 UPPER HGT. = 8.8
 TOTAL DP = 184 CORR. VAL. = 4.1 LOWER HGT. = 7.5
 NOISE LEVEL = .0020 WIND SPEED = 7.5

M	FRE. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0136	.0136	.0117	.0117	.0215	.0074
1	.006	.0182	.0182	.0163	.0163	.0300	.0104
2	.011	.0167	.0167	.0147	.0147	.0272	.0094
3	.017	.0090	.0090	.0071	.0071	.0130	.0045
4	.022	.0073	.0073	.0054	.0054	.0103	.0035
5	.028	.0066	.0066	.0046	.0046	.0086	.0030
6	.033	.0054	.0054	.0035	.0035	.0101	.0035
7	.039	.0040	.0040	.0020	.0027	.0049	.0017
8	.044	.0026	.0026	.0008	.0007	.0013	.0005
9	.050	.0025	.0025	.0005	.0006	.0011	.0004
10	.056	.0044	.0044	.0044	.0047	.0087	.0030
11	.061	.0180	.0180	.0161	.0167	.0307	.0106
12	.067	.0261	.0261	.0242	.0248	.0457	.0158
13	.072	.0374	.0374	.0355	.0369	.1049	.0363
14	.078	.1580	.1580	.1561	.1615	.2977	.1028
15	.083	.2311	.2311	.2291	.2409	.4461	.1534
16	.089	.1903	.1903	.1883	.2003	.3491	.1275
17	.094	.2411	.2411	.2392	.2460	.4271	.1821
18	.100	.3938	.3938	.3919	.4461	.8223	.2861
19	.106	.3154	.3154	.3134	.3700	.4820	.2354
20	.111	.2057	.2057	.2037	.2502	.4611	.1593
21	.117	.1503	.1503	.1483	.1901	.3504	.1211
22	.122	.1250	.1250	.1230	.1651	.3043	.1051
23	.128	.1508	.1508	.1489	.2100	.3870	.1337
24	.133	.1834	.1834	.1814	.2498	.4973	.1718
25	.139	.1754	.1754	.1734	.2731	.5034	.1739
26	.144	.0873	.0873	.0854	.1474	.2625	.0907
27	.150	.0305	.0305	.0286	.0506	.0313	.0322
28	.156	.0401	.0401	.0382	.0722	.1331	.0460
29	.161	.0509	.0509	.0490	.0991	.1827	.0631
30	.167	.0398	.0398	.0379	.0735	.1355	.0468
31	.172	.0181	.0181	.0161	.0307	.0565	.0195
32	.178	.0122	.0122	.0102	.0238	.0475	.0166
33	.183	.0146	.0146	.0127	.0345	.0635	.0220
34	.189	.0114	.0114	.0095	.0278	.0515	.0178
35	.194	.0062	.0062	.0043	.0136	.0251	.0087
36	.200	.0045	.0045	.0026	.0139	.0292	.0101
37	.206	.0070	.0070	.0051	.0119	.0352	.0122
38	.211	.0039	.0039	.0020	.0166	.0306	.0104
39	.217	.0055	.0055	.0036	.0184	.0303	.0105
40	.222	.0064	.0064	.0045	.0224	.0413	.0143
41	.228	.0073	.0073	.0054	.0283	.0521	.0180
42	.233	.0072	.0069	.0050	.0307	.0565	.0195
43	.239	.0040	.0040	.0021	.0144	.0265	.0104
44	.244	.0034	.0034	.0015	.0144	.0265	.0104
45	.250	.0021	.0021	.0006	.0049	.0078	.0027
46	.256	.0023	.0023	.0008	.0042	.0078	.0027
47	.261	.0029	.0029	.0008	.0047	.0140	.0046
48	.267	.0030	.0030	.0009	.0106	.0191	.0066
49	.272	.0032	.0032	.0009	.0093	.0171	.0059
50	.278	.0028	.0028	.0009	.0140	.0257	.0089
51	.283	.0036	.0036	.0014	.0241	.0444	.0153
52	.289	.0030	.0030	.0014	.0276	.0504	.0175
53	.294	.0028	.0028	.0008	.0183	.0337	.0114
54	.300	.0029	.0029	.0001	.0033	.0062	.0021
55	.306	.0016	.0016	.0000	.0000	.0000	.0000
56	.311	.0013	.0013	.0000	.0000	.0000	.0000
57	.317	.0018	.0018	.0000	.0000	.0000	.0000
58	.322	.0011	.0011	.0000	.0000	.0000	.0000
59	.328	.0014	.0013	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000

DL 88 2/10/59
 HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 9 AVERAGE = .0014E+02
 1.42E-02 6.22E-02 1.44E-01 3.29E-01 4.11E-01 5.76E-01 6.59E-01 7.40E-01 8.22E-01

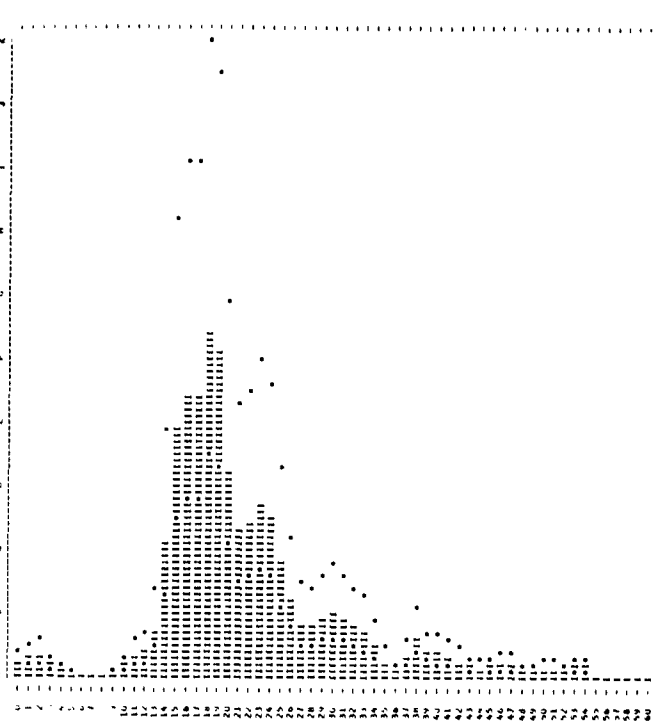


WINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 2/10/59 AV. W = 7.7 RECORD = DL 90
 HOUR = 12 SIG.MGT. = 7.2 UPPER HGT. = 7.0
 TOTAL DF = 187 CORR. VAR. = 3.1 LOWER HGT. = 6.6
 WIND LEVEL = .0017 WIND SPEED = 75

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0157	.0157	.0150	.0140	.0257	.0000
1	.004	.0188	.0188	.0171	.0171	.0315	.0109
2	.011	.0196	.0196	.0177	.0177	.0325	.0112
3	.017	.0126	.0126	.0109	.0109	.0200	.0049
4	.022	.0086	.0086	.0088	.0088	.0089	.0031
5	.028	.0039	.0039	.0022	.0022	.0040	.0014
6	.033	.0025	.0025	.0008	.0013	.0023	.0008
7	.039	.0019	.0019	.0002	.0003	.0005	.0002
8	.044	.0020	.0020	.0003	.0001	.0008	.0002
9	.050	.0034	.0034	.0016	.0018	.0034	.0012
10	.056	.0119	.0119	.0102	.0109	.0200	.0089
11	.061	.0109	.0109	.0091	.0109	.0385	.0126
12	.067	.0277	.0277	.0210	.0215	.0397	.0117
13	.072	.0465	.0465	.0426	.0439	.0807	.0280
14	.076	.1221	.1221	.1104	.1246	.2790	.0793
15	.083	.2221	.2221	.2204	.2317	.6271	.1476
16	.089	.2456	.2456	.2439	.2596	.4780	.1481
17	.096	.2771	.2771	.2754	.2599	.4708	.1494
18	.100	.2835	.2835	.2817	.3207	.5912	.2042
19	.106	.2595	.2595	.2577	.3043	.7408	.1737
20	.111	.1571	.1571	.1553	.1948	.3516	.1125
21	.117	.1091	.1091	.1076	.1378	.2541	.0879
22	.122	.1094	.1094	.1076	.1445	.2683	.0920
23	.128	.1246	.1246	.1227	.1411	.2692	.0930
24	.133	.1015	.1015	.0998	.1483	.2734	.0945
25	.139	.0894	.0894	.0876	.1066	.1961	.0678
26	.144	.0439	.0439	.0422	.0732	.1127	.0446
27	.150	.0285	.0285	.0267	.0474	.0874	.0302
28	.156	.0254	.0254	.0237	.0449	.0827	.0286
29	.161	.0274	.0274	.0257	.0484	.0837	.0301
30	.167	.0279	.0279	.0262	.0568	.1048	.0362
31	.172	.0239	.0239	.0222	.0517	.0943	.0329
32	.178	.0198	.0198	.0181	.0448	.0837	.0286
33	.183	.0167	.0167	.0150	.0408	.0752	.0260
34	.189	.0114	.0114	.0098	.0286	.0524	.0181
35	.194	.0083	.0083	.0067	.0214	.0272	.0131
36	.200	.0036	.0036	.0021	.0074	.0136	.0047
37	.206	.0071	.0071	.0056	.0207	.0381	.0132
38	.211	.0100	.0100	.0082	.0364	.0836	.0311
39	.217	.0069	.0069	.0052	.0239	.0440	.0172
40	.222	.0057	.0057	.0043	.0217	.0400	.0138
41	.228	.0019	.0019	.0016	.0085	.0148	.0054
42	.233	.0039	.0039	.0024	.0148	.0272	.0094
43	.239	.0020	.0020	.0015	.0089	.0183	.0063
44	.244	.0028	.0028	.0011	.0085	.0157	.0046
45	.250	.0024	.0024	.0011	.0093	.0171	.0059
46	.256	.0032	.0032	.0013	.0121	.0224	.0077
47	.261	.0031	.0031	.0014	.0118	.0214	.0074
48	.267	.0020	.0020	.0015	.0083	.0117	.0040
49	.272	.0020	.0020	.0014	.0083	.0097	.0033
50	.278	.0026	.0026	.0013	.0088	.0118	.0055
51	.283	.0022	.0022	.0015	.0091	.0149	.0051
52	.289	.0019	.0019	.0013	.0082	.0115	.0040
53	.294	.0022	.0022	.0015	.0089	.0143	.0054
54	.300	.0024	.0024	.0014	.0077	.0178	.0062
55	.306	.0014	.0014	.0010	.0080	.0080	.0040
56	.311	.0010	.0010	.0009	.0081	.0081	.0040
57	.317	.0013	.0013	.0010	.0080	.0080	.0040
58	.322	.0014	.0014	.0010	.0080	.0080	.0040
59	.328	.0015	.0015	.0010	.0080	.0080	.0040
60	.333	.0016	.0016	.0010	.0080	.0080	.0040

WINDCASTING SPECTRA COMPUTED JAN. 1963
 AVERAGE = .0006600
 1.82E-03 5.91E-02 1.18E-01 7.34E-01 2.44E-01 4.14E-01 6.47E-01 9.18E-01

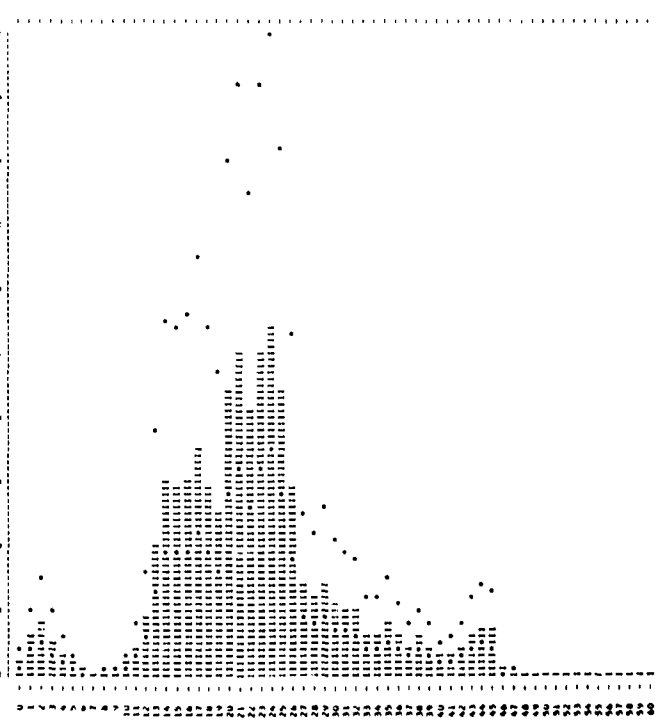


SMOOTHED WINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/10/59 AV. W = 7.6 RECORD = DL 90
 HOUR = 15 SIG.MGT. = 7.3 UPPER HGT. = 7.0
 TOTAL DF = 225 CORR. VAR. = 3.3 LOWER HGT. = 6.7
 WIND LEVEL = .0014 WIND SPEED = 25

M	FRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0124	.0124	.0110	.0110	.0203	.0070
1	.004	.0278	.0278	.0264	.0264	.0487	.0168
2	.011	.0398	.0398	.0386	.0386	.0708	.0248
3	.017	.0272	.0272	.0258	.0258	.0476	.0165
4	.022	.0199	.0199	.0185	.0185	.0248	.0093
5	.028	.0086	.0086	.0072	.0072	.0133	.0046
6	.033	.0031	.0031	.0017	.0027	.0050	.0017
7	.039	.0023	.0023	.0009	.0012	.0023	.0008
8	.044	.0025	.0025	.0011	.0014	.0025	.0008
9	.050	.0031	.0031	.0017	.0019	.0036	.0012
10	.056	.0093	.0093	.0079	.0084	.0156	.0094
11	.061	.0201	.0201	.0187	.0194	.0358	.0124
12	.067	.0427	.0427	.0413	.0424	.0781	.0270
13	.072	.0959	.0959	.0945	.0970	.1788	.0618
14	.076	.1372	.1372	.1358	.1406	.2591	.0848
15	.083	.1334	.1334	.1320	.1388	.2559	.0864
16	.089	.1380	.1380	.1366	.1432	.2639	.0912
17	.096	.1532	.1532	.1518	.1675	.3088	.1047
18	.100	.1236	.1236	.1222	.1392	.2545	.0886
19	.106	.1039	.1039	.1025	.1210	.2231	.0771
20	.111	.1704	.1704	.1690	.2074	.3826	.1322
21	.117	.1859	.1859	.1845	.2365	.4359	.1506
22	.122	.1463	.1463	.1449	.1946	.3586	.1239
23	.128	.1689	.1689	.1675	.2363	.4356	.1505
24	.133	.1748	.1748	.1734	.2570	.4754	.1642
25	.139	.1356	.1356	.1342	.2112	.3892	.1345
26	.144	.0828	.0828	.0814	.1359	.2506	.0865
27	.150	.0380	.0380	.0366	.0650	.1198	.0414
28	.156	.0117	.0117	.0103	.0574	.1058	.0365
29	.161	.0140	.0140	.0126	.0840	.1217	.0420
30	.167	.0264	.0264	.0250	.0543	.1002	.0346
31	.172	.0223	.0223	.0209	.0488	.0900	.0311
32	.178	.0197	.0197	.0183	.0462	.0891	.0294
33	.183	.0124	.0124	.0110	.0305	.0563	.0194
34	.189	.0116	.0116	.0102	.0302	.0556	.0192
35	.194	.0136	.0136	.0122	.0392	.0722	.0249
36	.200	.0097	.0097	.0083	.0291	.0536	.0185
37	.206	.0088	.0088	.0074	.0207	.0382	.0132
38	.211	.0078	.0078	.0064	.0249	.0445	.0171
39	.217	.0058	.0058	.0044	.0203	.0375	.0129
40	.222	.0034	.0034	.0028	.0141	.0259	.0089
41	.228	.0040	.0040	.0027	.0148	.0273	.0094
42	.233	.0047	.0047	.0035	.0213	.0393	.0136
43	.239	.0059	.0059	.0044	.0298	.0548	.0189
44	.244	.0047	.0047	.0034	.0354	.0652	.0225
45	.250	.0054	.0054	.0040	.0335	.0617	.0213
46	.256	.0041	.0041	.0028	.0228	.0393	.0141
47	.261	.0029	.0029	.0017	.0017	.0031	.0011
48	.267	.0022	.0022	.0010	.0008	.0015	.0005
49	.272	.0015	.0015	.0003	.0003	.0005	.0002
50	.278	.0014	.0014	.0005	.0003	.0005	.0002
51	.283	.0023	.0023	.0010	.0007	.0012	.0004
52	.289	.0021	.0021	.0006	.0006	.0011	.0004
53	.294	.0014	.0014	.0005	.0003	.0005	.0002
54	.300	.0016	.0016	.0001	.0001	.0003	.0001
55	.306	.0014	.0014	.0001	.0001	.0000	.0000
56	.311	.0010	.0010	.0000	.0000	.0000	.0000
57	.317	.0010	.0010	.0000	.0000	.0000	.0000
58	.322	.0013	.0013	.0000	.0000	.0000	.0000
59	.328	.0010	.0010	.0000	.0000	.0000	.0000
60	.333	.0008	.0008	.0000	.0000	.0000	.0000

SMOOTHED WINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .0006600
 4.37E-04 4.75E-02 9.51E-02 1.43E-01 1.90E-01 2.38E-01 2.85E-01 3.33E-01 3.82E-01 4.28E-01 4.75E-01



WINDCASTING SPECTRA COMPUTED JAN. 1963
 WINDCASTING SPECTRA COMPUTED MARCH 1963

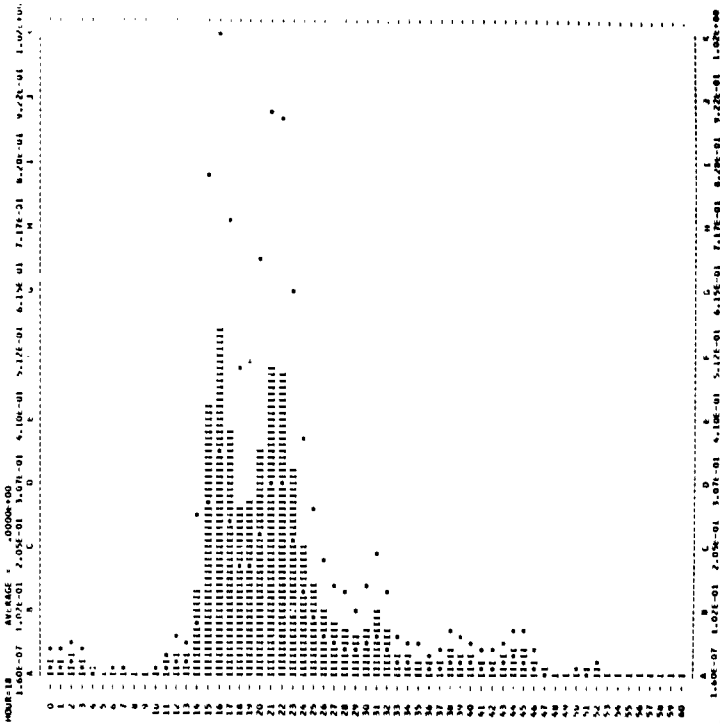
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/10/59 AV. T = 7.9 RECORD = DL 91
 HOUR = 18 SIG.MGT. = 9.2 UPPER MGT. = 10.0
 TOTAL DF = 166 CORR. VAR. = 5.3 LOWER MGT. = 8.4
 NOISE LEVEL = .0026 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0230	.0236	.0212	.0392	.0139
1	.006	.0265	.0265	.0219	.0404	.0140
2	.011	.0289	.0283	.0221	.0428	.0144
3	.017	.0225	.0229	.0199	.0368	.0127
4	.022	.0099	.0099	.0073	.0139	.0067
5	.028	.0054	.0053	.0027	.0051	.0011
6	.033	.0054	.0054	.0028	.0045	.0029
7	.039	.0058	.0058	.0032	.0043	.0027
8	.044	.0048	.0048	.0022	.0027	.0019
9	.050	.0028	.0028	.0002	.0003	.0002
10	.056	.0054	.0054	.0028	.0030	.0036
11	.061	.0182	.0182	.0156	.0182	.0103
12	.067	.0324	.0324	.0298	.0304	.0244
13	.072	.0308	.0308	.0282	.0290	.0234
14	.078	.1342	.1342	.1316	.1363	.0868
15	.083	.4155	.4155	.4129	.4342	.2765
16	.089	.9254	.9254	.9228	.9559	1.0247
17	.094	.3585	.3585	.3559	.3627	.2321
18	.100	.2365	.2365	.2339	.2443	.1875
19	.106	.2326	.2326	.2300	.2716	.2059
20	.111	.2964	.2964	.2938	.3408	.2851
21	.117	.3846	.3846	.3820	.4497	.3925
22	.122	.3643	.3643	.3617	.4456	.3950
23	.128	.2374	.2374	.2348	.3312	.2805
24	.133	.1616	.1616	.1590	.2086	.1811
25	.139	.0950	.0950	.0924	.1454	.1292
26	.144	.0622	.0622	.0596	.0995	.1434
27	.150	.0468	.0468	.0442	.0785	.1446
28	.156	.0396	.0396	.0370	.0701	.1292
29	.161	.0310	.0310	.0284	.0575	.1061
30	.167	.0379	.0379	.0353	.0767	.1414
31	.172	.0467	.0467	.0441	.1030	.1898
32	.178	.0304	.0304	.0278	.0701	.1292
33	.183	.0144	.0144	.0118	.0217	.0203
34	.189	.0114	.0114	.0088	.0275	.0508
35	.194	.0105	.0105	.0079	.0294	.0646
36	.200	.0078	.0078	.0052	.0381	.0317
37	.206	.0088	.0088	.0062	.0238	.0438
38	.211	.0113	.0113	.0087	.0365	.0872
39	.217	.0100	.0100	.0074	.0461	.0829
40	.222	.0073	.0073	.0047	.0281	.0480
41	.228	.0063	.0063	.0038	.0212	.0392
42	.233	.0056	.0056	.0035	.0213	.0393
43	.239	.0046	.0046	.0034	.0100	.0592
44	.244	.0090	.0090	.0064	.0411	.0756
45	.249	.0073	.0073	.0048	.0374	.0849
46	.256	.0043	.0043	.0017	.0207	.0132
47	.261	.0031	.0031	.0007	.0076	.0140
48	.267	.0026	.0026	.0002	.0020	.0037
49	.272	.0026	.0026	.0001	.0009	.0017
50	.278	.0027	.0027	.0002	.0033	.0061
51	.283	.0031	.0031	.0005	.0080	.0054
52	.289	.0032	.0032	.0005	.0096	.0177
53	.294	.0027	.0027	.0001	.0021	.0036
54	.300	.0020	.0020	.0000	.0000	.0000
55	.306	.0016	.0016	.0000	.0000	.0000
56	.311	.0019	.0019	.0000	.0000	.0000
57	.317	.0027	.0027	.0000	.0000	.0000
58	.322	.0032	.0032	.0004	.0004	.0003
59	.328	.0029	.0029	.0003	.0003	.0002
60	.333	.0023	.0023	.0000	.0000	.0000

DL 91 2/10/59

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .0000E+00
 HOUR=18 1.68E-07 1.0E-01 2.0E-01 3.0E-01 4.0E-01 5.0E-01 6.0E-01 7.0E-01 8.0E-01 9.0E-01 1.0E+00



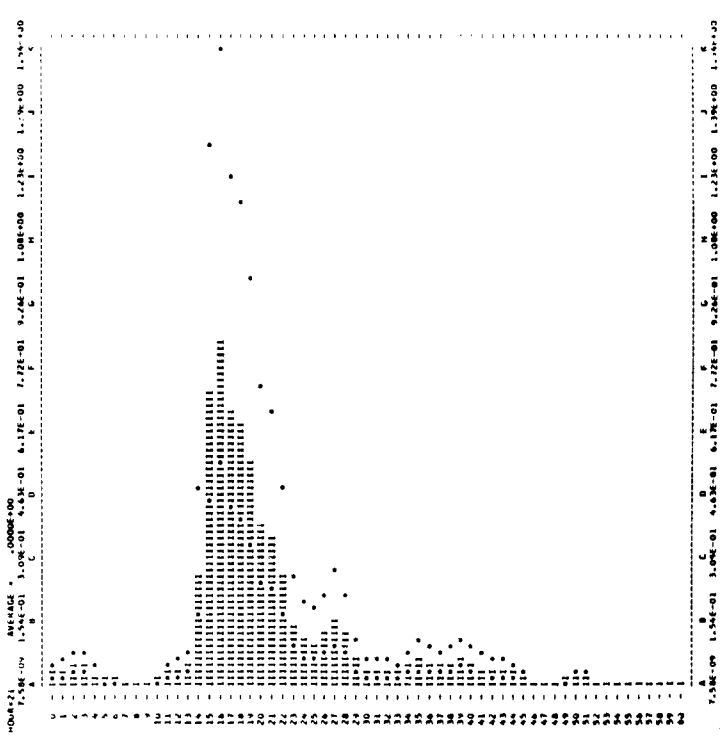
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 2/10/59 AV. T = 8.3 RECORD = DL 92
 HOUR = 21 SIG.MGT. = 10.1 UPPER MGT. = 11.1
 TOTAL DF = 141 CORR. VAR. = 6.4 LOWER MGT. = 9.2
 NOISE LEVEL = .0029 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0273	.0273	.0244	.0450	.0154
1	.006	.0322	.0322	.0293	.0541	.0187
2	.011	.0441	.0441	.0412	.0612	.0243
3	.017	.0491	.0491	.0462	.0674	.0257
4	.022	.0247	.0247	.0218	.0218	.0402
5	.028	.0127	.0127	.0098	.0098	.0181
6	.033	.0080	.0080	.0051	.0148	.0052
7	.039	.0038	.0038	.0009	.0012	.0023
8	.044	.0022	.0022	.0000	.0000	.0000
9	.050	.0040	.0040	.0011	.0013	.0008
10	.056	.0108	.0108	.0079	.0084	.0154
11	.061	.0234	.0234	.0205	.0234	.0431
12	.067	.0330	.0330	.0301	.0309	.0517
13	.072	.0459	.0459	.0430	.0442	.0814
14	.078	.2958	.2958	.2929	.2418	.4825
15	.083	.4762	.4762	.4733	.7111	.13107
16	.089	.7403	.7403	.7374	.8373	.15432
17	.094	.6080	.6080	.6051	.6677	.12307
18	.100	.5582	.5582	.5553	.6322	.11892
19	.106	.4364	.4364	.4335	.5354	.8968
20	.111	.3217	.3217	.3188	.3913	.7217
21	.117	.2814	.2814	.2785	.3572	.6580
22	.122	.1949	.1949	.1920	.2578	.4751
23	.128	.1017	.1017	.0988	.1394	.2970
24	.133	.0729	.0729	.0704	.1050	.1938
25	.139	.0465	.0465	.0441	.0970	.1787
26	.144	.0728	.0728	.0699	.1167	.2151
27	.150	.0896	.0896	.0867	.1538	.2839
28	.156	.0854	.0854	.0827	.1187	.2188
29	.161	.0324	.0324	.0295	.0598	.1101
30	.167	.0186	.0186	.0157	.0342	.0630
31	.172	.0131	.0131	.0102	.0332	.0612
32	.178	.0158	.0158	.0129	.0326	.0600
33	.183	.0133	.0133	.0104	.0284	.0523
34	.189	.0179	.0179	.0150	.0443	.0817
35	.194	.0209	.0209	.0180	.0578	.1084
36	.200	.0165	.0165	.0136	.0474	.0977
37	.206	.0133	.0133	.0104	.0348	.0733
38	.211	.0141	.0141	.0112	.0449	.0884
39	.217	.0149	.0149	.0120	.0407	.1118
40	.222	.0137	.0137	.0108	.0314	.0947
41	.228	.0087	.0087	.0058	.0379	.0498
42	.233	.0076	.0076	.0047	.0314	.0582
43	.239	.0041	.0041	.0012	.0328	.0405
44	.244	.0049	.0049	.0020	.0280	.0515
45	.250	.0043	.0043	.0017	.0141	.0259
46	.256	.0030	.0030	.0002	.0015	.0028
47	.261	.0076	.0076	.0047	.0000	.0000
48	.267	.0052	.0052	.0023	.0034	.0063
49	.272	.0036	.0036	.0007	.0049	.0142
50	.278	.0040	.0040	.0010	.0157	.0282
51	.283	.0039	.0039	.0000	.0130	.0240
52	.289	.0027	.0027	.0000	.0000	.0000
53	.294	.0018	.0018	.0000	.0000	.0000
54	.300	.0071	.0071	.0042	.0000	.0000
55	.306	.0078	.0078	.0049	.0000	.0000
56	.311	.0031	.0031	.0001	.0037	.0088
57	.317	.0029	.0029	.0000	.0000	.0000
58	.322	.0027	.0027	.0000	.0000	.0000
59	.328	.0010	.0010	.0000	.0000	.0000
60	.333	.0042	.0042	.0007	.0007	.0014

DL 92 2/10/59

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .0000E+00
 HOUR=21 1.58E-09 1.58E-01 3.0E-01 4.5E-01 6.0E-01 7.5E-01 9.0E-01 1.0E+00 1.30E+00 1.70E+00 2.10E+00

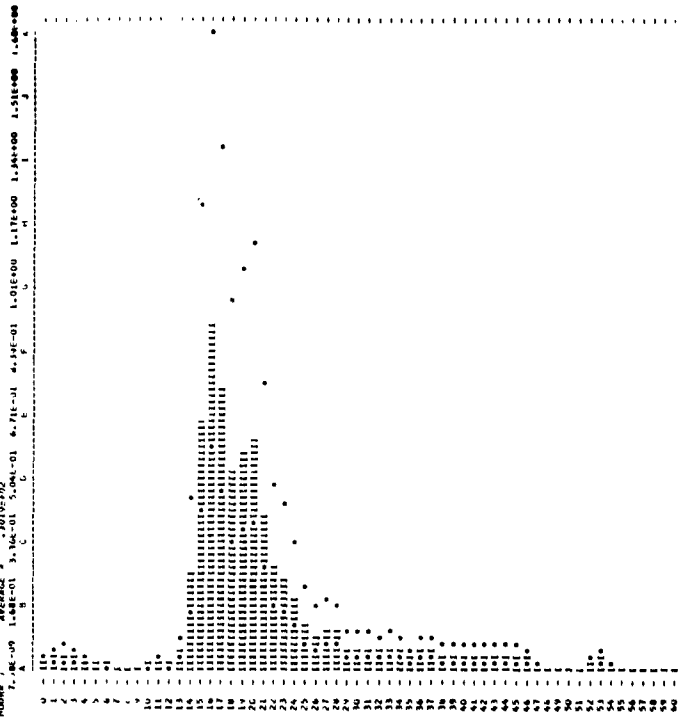


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 3/10/59 AV. T = 8.7 HFCOM = DL 93
 HOUR = 0 SIG.MGT. = 10.4 UPPER MGT. = 11.5
 TOTAL DP = 142 CURR. VAR. = 0.8 LOWER MGT. = 9.4
 NOISE LEVEL = .0036 WIND SPEED = 25

H	PRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0225	.0225	.0189	.0189	.0348	.0120
1	.004	.0280	.0280	.0232	.0232	.0445	.0141
2	.011	.0369	.0369	.0327	.0327	.0602	.0208
3	.017	.0490	.0490	.0462	.0462	.0843	.0307
4	.022	.0614	.0614	.0578	.0578	.0329	.0114
5	.028	.0771	.0771	.0735	.0735	.0248	.0086
6	.033	.0103	.0103	.0087	.0105	.0143	.0057
7	.039	.0061	.0061	.0025	.0033	.0041	.0021
8	.044	.0036	.0036	.0000	.0000	.0000	.0000
9	.050	.0062	.0062	.0028	.0019	.0053	.0018
10	.056	.0134	.0134	.0098	.0104	.0192	.0066
11	.061	.0206	.0206	.0170	.0176	.0326	.0112
12	.067	.0282	.0282	.0256	.0269	.0482	.0182
13	.072	.0479	.0479	.0443	.0455	.0833	.0249
14	.078	.2446	.2446	.2410	.2445	.4598	.1580
15	.083	.4322	.4322	.4286	.4405	1.2181	.4208
16	.089	.8400	.8400	.8364	.8506	1.6784	.5744
17	.094	1.746	1.746	1.7396	1.769	1.3764	.6750
18	.100	4.466	4.466	4.430	4.271	.9119	.3356
19	.104	4.931	4.931	4.895	4.779	1.0452	.3640
20	.111	4.995	4.995	4.959	4.876	.7549	.2408
21	.117	3.232	3.232	3.196	3.078	1.2222	.4148
22	.122	1.979	1.979	1.943	1.869	.4809	.1661
23	.128	1.731	1.731	1.695	1.621	.4407	.1522
24	.133	1.769	1.769	1.733	1.659	.3370	.1187
25	.139	.0780	.0780	.0744	.0711	.2158	.0746
26	.144	.0598	.0598	.0562	.0533	.1410	.0496
27	.150	.0622	.0622	.0586	.0560	.1917	.0667
28	.156	.0540	.0540	.0504	.0493	.1756	.0607
29	.161	.0312	.0312	.0276	.0269	.0354	.0134
30	.167	.0271	.0271	.0235	.0235	.0511	.0164
31	.172	.0263	.0263	.0227	.0229	.0473	.0137
32	.178	.0218	.0218	.0182	.0185	.0357	.0104
33	.183	.0239	.0239	.0203	.0202	.052	.0171
34	.189	.0181	.0181	.0146	.0147	.071	.0173
35	.194	.0131	.0131	.0095	.0095	.0362	.0104
36	.200	.0158	.0158	.0122	.0125	.0784	.0271
37	.206	.0191	.0191	.0155	.0156	.0810	.0280
38	.211	.0145	.0145	.0109	.0113	.0687	.0237
39	.217	.0115	.0115	.0079	.0081	.0444	.0230
40	.222	.0111	.0111	.0074	.0076	.0492	.0239
41	.228	.0105	.0105	.0068	.0072	.0468	.0237
42	.233	.0091	.0091	.0054	.0054	.0414	.0219
43	.239	.0081	.0081	.0048	.0052	.0401	.0208
44	.244	.0067	.0067	.0033	.0033	.0462	.0229
45	.250	.0068	.0068	.0045	.0045	.0380	.0162
46	.256	.0066	.0066	.0028	.0028	.0474	.0166
47	.261	.0035	.0035	.0000	.0000	.0120	.0041
48	.267	.0034	.0034	.0000	.0000	.0000	.0000
49	.272	.0031	.0031	.0000	.0000	.0000	.0000
50	.278	.0018	.0018	.0000	.0000	.0000	.0000
51	.283	.0024	.0024	.0000	.0000	.0000	.0000
52	.289	.0032	.0032	.0010	.0012	.0354	.0122
53	.294	.0040	.0040	.0014	.0012	.0312	.0104
54	.300	.0036	.0036	.0003	.0004	.0154	.0053
55	.306	.0024	.0024	.0000	.0000	.0000	.0000
56	.311	.0031	.0031	.0000	.0000	.0000	.0000
57	.317	.0037	.0037	.0000	.0000	.0000	.0000
58	.322	.0039	.0039	.0000	.0000	.0000	.0000
59	.328	.0031	.0031	.0000	.0000	.0000	.0000
60	.333	.0024	.0024	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 NAME: 7-10-59 3-10-59 5-10-59 6-7-59 1-01-59 1-01-59 1-17-59 1-17-59 1-31-59 1-31-59
 AVERAGE = 3-10-59
 UL 93 3/10/59

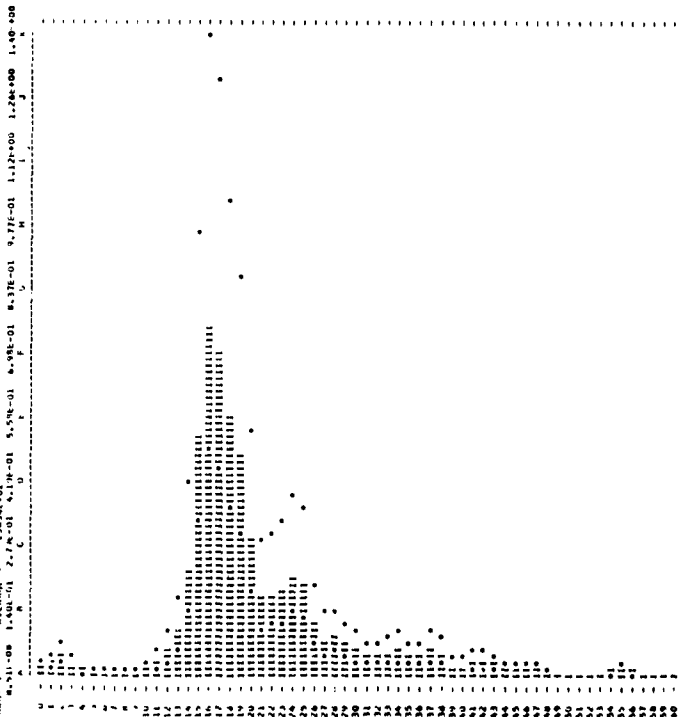


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 3/10/59 AV. T = 8.3 HFCOM = DL 94
 HOUR = 1 SIG.MGT. = 9.8 UPPER MGT. = 10.3
 TOTAL DP = 146 CURR. VAR. = 0.7 LOWER MGT. = 8.7
 NOISE LEVEL = .0018 WIND SPEED = 30

H	PRE.	UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0143	.0143	.0125	.0125	.0230	.0073
1	.008	.0278	.0278	.0240	.0240	.0479	.0167
2	.011	.0384	.0384	.0365	.0365	.0673	.0231
3	.017	.0526	.0526	.0508	.0508	.0812	.0312
4	.022	.0699	.0699	.0680	.0680	.0944	.0401
5	.028	.0984	.0984	.0970	.0970	.0126	.0044
6	.033	.0061	.0061	.0043	.0047	.0124	.0043
7	.039	.0050	.0050	.0032	.0042	.0078	.0027
8	.044	.0056	.0056	.0038	.0045	.0083	.0029
9	.050	.0070	.0070	.0041	.0048	.0124	.0043
10	.056	.0106	.0106	.0078	.0087	.0289	.0100
11	.061	.0325	.0325	.0307	.0319	.0587	.0203
12	.067	.0544	.0544	.0526	.0518	.0943	.0313
13	.072	.0937	.0937	.0919	.0943	.1737	.0410
14	.078	.2149	.2149	.2140	.2256	.4158	.1436
15	.083	.4963	.4963	.4944	.5199	.9582	.3110
16	.089	.7140	.7140	.7121	.7372	1.3456	.4421
17	.094	1.402	1.402	1.384	.7044	1.2493	.4485
18	.100	4.938	4.938	4.920	4.801	1.0241	.3586
19	.104	4.012	4.012	3.994	.4714	.8489	.3002
20	.111	2.303	2.303	2.285	.7404	.3357	.1844
21	.117	1.286	1.286	1.268	.1625	.4795	.1035
22	.122	1.178	1.178	1.160	.1700	.3134	.1093
23	.128	1.321	1.321	1.303	.1847	.3444	.1176
24	.133	1.454	1.454	1.437	.2107	.3693	.1261
25	.139	1.247	1.247	1.229	.1933	.3562	.1231
26	.144	.0858	.0858	.0840	.1088	.1978	.0680
27	.150	.0444	.0444	.0426	.0756	.1393	.0481
28	.156	.0424	.0424	.0406	.0768	.1416	.0489
29	.161	.0190	.0190	.0172	.0610	.1182	.0401
30	.167	.0270	.0270	.0252	.0587	.1008	.0348
31	.172	.0195	.0195	.0176	.0411	.0758	.0262
32	.178	.0159	.0159	.0141	.0354	.0657	.0226
33	.183	.0193	.0193	.0175	.0475	.0873	.0302
34	.189	.0191	.0191	.0172	.0508	.0937	.0324
35	.194	.0141	.0141	.0123	.0394	.0726	.0251
36	.200	.0134	.0134	.0117	.0409	.0779	.0261
37	.206	.0162	.0162	.0144	.0547	.1009	.0349
38	.211	.0130	.0130	.0113	.0464	.0812	.0268
39	.217	.0082	.0082	.0064	.0230	.0367	.0127
40	.222	.0030	.0030	.0041	.0126	.0380	.0131
41	.228	.0074	.0074	.0061	.0745	.0576	.0182
42	.233	.0074	.0074	.0052	.0370	.0550	.0164
43	.239	.0048	.0048	.0033	.0226	.0416	.0144
44	.244	.0024	.0024	.0017	.0130	.0240	.0087
45	.250	.0034	.0034	.0016	.0133	.0245	.0084
46	.256	.0018	.0018	.0017	.0164	.0303	.0105
47	.261	.0031	.0031	.0013	.0135	.0249	.0086
48	.267	.0021	.0021	.0004	.0053	.0077	.0034
49	.272	.0017	.0018	.0000	.0000	.0000	.0000
50	.278	.0018	.0017	.0000	.0000	.0000	.0000
51	.283	.0016	.0016	.0000	.0000	.0000	.0000
52	.289	.0016	.0016	.0000	.0000	.0000	.0000
53	.294	.0016	.0016	.0000	.0000	.0000	.0000
54	.300	.0023	.0023	.0000	.0000	.0000	.0000
55	.306	.0025	.0025	.0000	.0000	.0000	.0000
56	.311	.0021	.0021	.0000	.0000	.0000	.0000
57	.317	.0018	.0021	.0002	.0742	.0151	.0052
58	.322	.0014	.0018	.0000	.0023	.0048	.0018
59	.328	.0018	.0014	.0000	.0000	.0000	.0000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 NAME: 7-10-59 3-10-59 5-10-59 6-7-59 1-01-59 1-01-59 1-17-59 1-17-59 1-31-59 1-31-59
 AVERAGE = 3-10-59
 UL 94 3/10/59

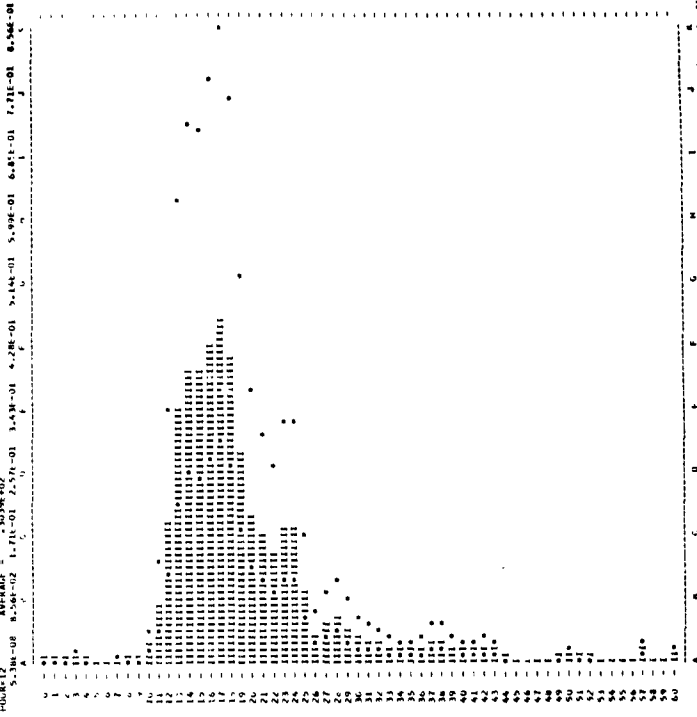


HINDCASTING SPECTRA COMPUTER JAN. 1963

DATE = 3/10/59 SIG. MGT. = 8.4 RECDUM = UL 95
 HOUR = 12 CURR. VAK. = 6.4 UPPER HGT. = 7.3
 TOTAL DP = 150 NOISE LEVEL = .0023 WIND SPEED = 7.0

H	FREQ.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LWRK
0	.000	.0073	.0073	.0050	.0050	.0092	.0032
1	.006	.0067	.0067	.0044	.0044	.0080	.0028
2	.011	.0061	.0079	.0056	.0056	.0110	.0036
3	.017	.0057	.0078	.0058	.0078	.0164	.0050
4	.022	.0081	.0081	.0058	.0058	.0106	.0037
5	.028	.0045	.0045	.0022	.0022	.0040	.0014
6	.033	.0034	.0034	.0011	.0011	.0031	.0011
7	.039	.0045	.0045	.0022	.0022	.0051	.0018
8	.044	.0083	.0083	.0040	.0040	.0088	.0030
9	.050	.0077	.0077	.0054	.0054	.0110	.0038
10	.056	.0248	.0248	.0225	.0225	.0441	.0132
11	.062	.0277	.0277	.0204	.0204	.0346	.0145
12	.067	.0421	.0421	.0397	.0397	.0743	.0234
13	.072	.0321	.0321	.0298	.0298	.0526	.0174
14	.078	.0359	.0359	.0336	.0336	.0570	.0192
15	.083	.0372	.0372	.0309	.0309	.0617	.0211
16	.089	.0423	.0423	.0400	.0400	.0739	.0250
17	.094	.0434	.0434	.0421	.0421	.0754	.0259
18	.100	.0450	.0450	.0427	.0427	.0760	.0264
19	.106	.0468	.0468	.0445	.0445	.0789	.0278
20	.111	.0485	.0485	.0462	.0462	.0803	.0285
21	.117	.0503	.0503	.0480	.0480	.0827	.0297
22	.122	.0521	.0521	.0507	.0507	.0851	.0309
23	.128	.0540	.0540	.0536	.0536	.0876	.0322
24	.133	.0560	.0560	.0564	.0564	.0901	.0336
25	.139	.0581	.0581	.0593	.0593	.0926	.0350
26	.144	.0602	.0602	.0622	.0622	.0951	.0364
27	.150	.0624	.0624	.0651	.0651	.0976	.0378
28	.156	.0646	.0646	.0680	.0680	.1001	.0392
29	.161	.0669	.0669	.0709	.0709	.1026	.0406
30	.167	.0692	.0692	.0738	.0738	.1051	.0420
31	.172	.0716	.0716	.0767	.0767	.1076	.0434
32	.178	.0740	.0740	.0796	.0796	.1101	.0448
33	.183	.0764	.0764	.0825	.0825	.1126	.0462
34	.189	.0789	.0789	.0854	.0854	.1151	.0476
35	.194	.0813	.0813	.0883	.0883	.1176	.0490
36	.200	.0838	.0838	.0912	.0912	.1201	.0504
37	.206	.0863	.0863	.0941	.0941	.1226	.0518
38	.211	.0888	.0888	.0970	.0970	.1251	.0532
39	.217	.0913	.0913	.1000	.1000	.1276	.0546
40	.222	.0938	.0938	.1029	.1029	.1301	.0560
41	.228	.0963	.0963	.1058	.1058	.1326	.0574
42	.233	.0988	.0988	.1087	.1087	.1351	.0588
43	.239	.1013	.1013	.1116	.1116	.1376	.0602
44	.244	.1038	.1038	.1145	.1145	.1401	.0616
45	.250	.1063	.1063	.1174	.1174	.1426	.0630
46	.256	.1088	.1088	.1203	.1203	.1451	.0644
47	.261	.1113	.1113	.1232	.1232	.1476	.0658
48	.267	.1138	.1138	.1261	.1261	.1501	.0672
49	.272	.1163	.1163	.1290	.1290	.1526	.0686
50	.278	.1188	.1188	.1319	.1319	.1551	.0700
51	.283	.1213	.1213	.1348	.1348	.1576	.0714
52	.289	.1238	.1238	.1377	.1377	.1601	.0728
53	.294	.1263	.1263	.1406	.1406	.1626	.0742
54	.300	.1288	.1288	.1435	.1435	.1651	.0756
55	.306	.1313	.1313	.1464	.1464	.1676	.0770
56	.311	.1338	.1338	.1493	.1493	.1701	.0784
57	.317	.1363	.1363	.1522	.1522	.1726	.0798
58	.322	.1388	.1388	.1551	.1551	.1751	.0812
59	.328	.1413	.1413	.1580	.1580	.1776	.0826
60	.333	.1438	.1438	.1609	.1609	.1801	.0840

HINDCASTING SPECTRA COMPUTER JAN. 1963
 DATE = 3/10/59
 HOUR = 12
 TOTAL DP = 150
 SIG. MGT. = 8.4
 CURR. VAK. = 6.4
 NOISE LEVEL = .0023
 RECDUM = UL 95
 UPPER HGT. = 7.3
 WIND SPEED = 7.0
 AVERAGE = .0038-02
 HOURS = 5.38-08 8.56-02 1.11-01 2.57-01 4.43-01 5.49-01 6.45-01 7.41-01 8.36-01

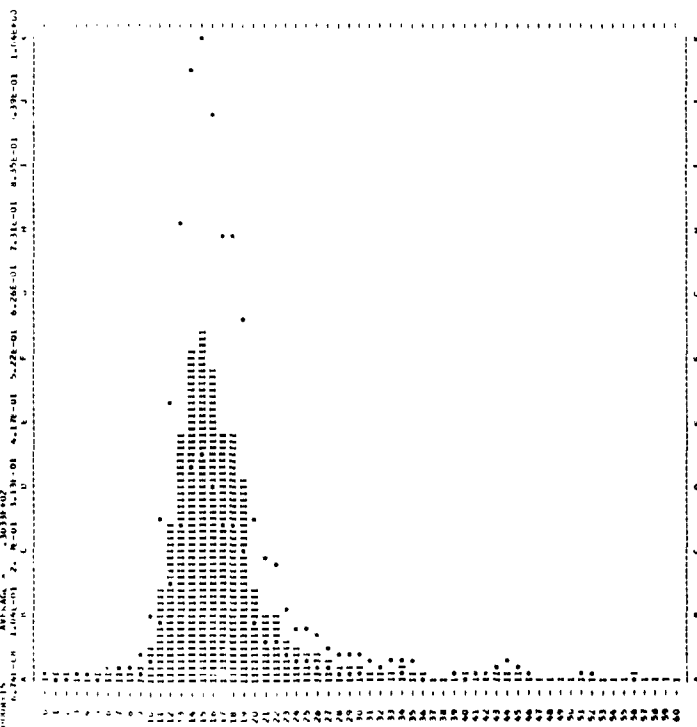


HINDCASTING SPECTRA COMPUTER JAN. 1963

DATE = 3/11/59 SIG. MGT. = 8.4 RECDUM = UL 96
 HOUR = 15 CURR. VAK. = 6.4 UPPER HGT. = 7.3
 TOTAL DP = 125 NOISE LEVEL = .0012 WIND SPEED = 7.0

H	FREQ.	UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LWRK
0	.000	.0057	.0057	.0045	.0045	.0093	.0029
1	.006	.0073	.0073	.0061	.0061	.0112	.0039
2	.011	.0073	.0073	.0048	.0048	.0111	.0037
3	.017	.0050	.0050	.0034	.0034	.0070	.0024
4	.022	.0050	.0050	.0034	.0034	.0070	.0024
5	.028	.0034	.0034	.0021	.0021	.0049	.0016
6	.033	.0043	.0043	.0031	.0031	.0067	.0022
7	.039	.0090	.0090	.0068	.0068	.0167	.0056
8	.044	.0118	.0118	.0088	.0088	.0223	.0076
9	.050	.0148	.0148	.0106	.0106	.0280	.0096
10	.056	.0156	.0156	.0124	.0124	.0306	.0105
11	.061	.0175	.0175	.0143	.0143	.0344	.0119
12	.067	.0209	.0209	.0177	.0177	.0411	.0145
13	.072	.0211	.0211	.0180	.0180	.0427	.0147
14	.078	.0231	.0231	.0198	.0198	.0462	.0158
15	.083	.0238	.0238	.0205	.0205	.0478	.0163
16	.089	.0278	.0278	.0244	.0244	.0544	.0189
17	.094	.0284	.0284	.0252	.0252	.0554	.0194
18	.100	.0340	.0340	.0310	.0310	.0651	.0234
19	.106	.0341	.0341	.0311	.0311	.0652	.0235
20	.111	.0368	.0368	.0338	.0338	.0700	.0250
21	.117	.0385	.0385	.0355	.0355	.0726	.0264
22	.122	.0402	.0402	.0372	.0372	.0751	.0278
23	.128	.0420	.0420	.0390	.0390	.0776	.0292
24	.133	.0438	.0438	.0408	.0408	.0801	.0306
25	.139	.0456	.0456	.0426	.0426	.0826	.0320
26	.144	.0474	.0474	.0444	.0444	.0851	.0334
27	.150	.0492	.0492	.0462	.0462	.0876	.0348
28	.156	.0510	.0510	.0480	.0480	.0901	.0362
29	.161	.0528	.0528	.0498	.0498	.0926	.0376
30	.167	.0546	.0546	.0516	.0516	.0951	.0390
31	.172	.0564	.0564	.0534	.0534	.0976	.0404
32	.178	.0582	.0582	.0552	.0552	.1001	.0418
33	.183	.0600	.0600	.0570	.0570	.1026	.0432
34	.189	.0618	.0618	.0588	.0588	.1051	.0446
35	.194	.0636	.0636	.0606	.0606	.1076	.0460
36	.200	.0654	.0654	.0624	.0624	.1101	.0474
37	.206	.0672	.0672	.0642	.0642	.1126	.0488
38	.211	.0690	.0690	.0660	.0660	.1151	.0502
39	.217	.0708	.0708	.0678	.0678	.1176	.0516
40	.222	.0726	.0726	.0696	.0696	.1201	.0530
41	.228	.0744	.0744	.0714	.0714	.1226	.0544
42	.233	.0762	.0762	.0732	.0732	.1251	.0558
43	.239	.0780	.0780	.0750	.0750	.1276	.0572
44	.244	.0798	.0798	.0768	.0768	.1301	.0586
45	.250	.0816	.0816	.0786	.0786	.1326	.0600
46	.256	.0834	.0834	.0804	.0804	.1351	.0614
47	.261	.0852	.0852	.0822	.0822	.1376	.0628
48	.267	.0870	.0870	.0840	.0840	.1401	.0642
49	.272	.0888	.0888	.0858	.0858	.1426	.0656
50	.278	.0906	.0906	.0876	.0876	.1451	.0670
51	.283	.0924	.0924	.0894	.0894	.1476	.0684
52	.289	.0942	.0942	.0912	.0912	.1501	.0698
53	.294	.0960	.0960	.0930	.0930	.1526	.0712
54	.300	.0978	.0978	.0948	.0948	.1551	.0726
55	.306	.0996	.0996	.0966	.0966	.1576	.0740
56	.311	.1014	.1014	.0984	.0984	.1601	.0754
57	.317	.1032	.1032	.1002	.1002	.1626	.0768
58	.322	.1050	.1050	.1020	.1020	.1651	.0782
59	.328	.1068	.1068	.1038	.1038	.1676	.0796
60	.333	.1086	.1086	.1056	.1056	.1701	.0810

HINDCASTING SPECTRA COMPUTER JAN. 1963
 DATE = 3/11/59
 HOUR = 15
 TOTAL DP = 125
 SIG. MGT. = 8.4
 CURR. VAK. = 6.4
 NOISE LEVEL = .0012
 RECDUM = UL 96
 UPPER HGT. = 7.3
 WIND SPEED = 7.0
 AVERAGE = .0038-02
 HOURS = 5.38-08 8.56-02 1.11-01 2.57-01 4.43-01 5.49-01 6.45-01 7.41-01 8.36-01

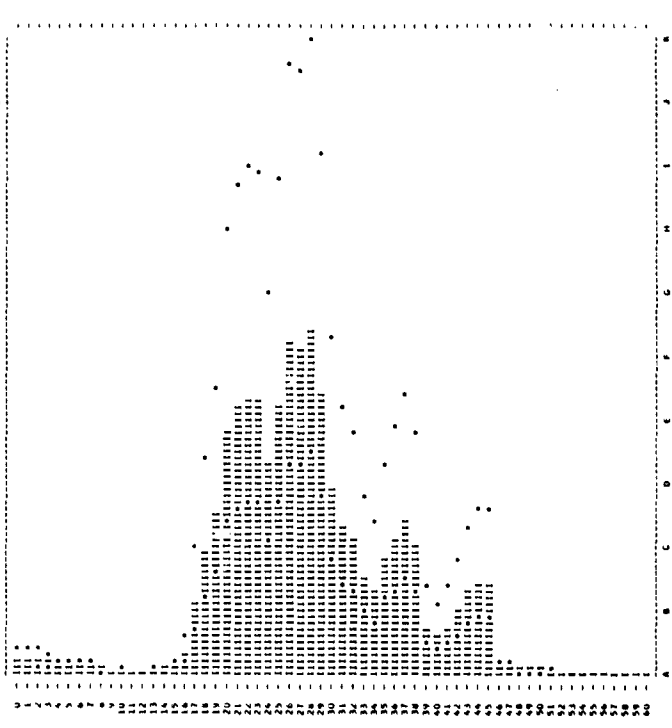


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 AV. T = 6.7 RECORD = DL 97
 HOUR = 0 SIG.MET. = 6.5 UPPER HGT. = 7.1
 TOTAL DP = 233 CORR. VAR. = 2.7 LOWER HGT. = 6.1
 NOISE LEVEL = .0020 WIND SPEED = 20

H	PRES. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0101	.0101	.0081	.0150	.0052
1	.0006	.0101	.0101	.0081	.0150	.0052
2	.0111	.0094	.0094	.0074	.0137	.0047
3	.0117	.0079	.0079	.0059	.0109	.0038
4	.0222	.0066	.0066	.0046	.0085	.0029
5	.0228	.0054	.0054	.0034	.0063	.0022
6	.0333	.0044	.0044	.0024	.0038	.0024
7	.0339	.0046	.0046	.0026	.0035	.0026
8	.0444	.0037	.0037	.0017	.0020	.0018
9	.0550	.0027	.0027	.0007	.0008	.0015
10	.0556	.0031	.0031	.0011	.0012	.0022
11	.0662	.0024	.0024	.0004	.0006	.0008
12	.0667	.0020	.0020	.0000	.0000	.0000
13	.0772	.0034	.0034	.0014	.0015	.0027
14	.0778	.0046	.0046	.0026	.0027	.0050
15	.0883	.0060	.0060	.0040	.0042	.0078
16	.0889	.0117	.0117	.0097	.0103	.0190
17	.0994	.0362	.0362	.0342	.0378	.0666
18	.1000	.0582	.0582	.0562	.0640	.1180
19	.1006	.0739	.0739	.0719	.0849	.1565
20	.1111	.0911	.0911	.0861	.1303	.2462
21	.1117	.1136	.1136	.1116	.1431	.2637
22	.1222	.1126	.1126	.1106	.1485	.2737
23	.1228	.1260	.1260	.1240	.1667	.3024
24	.1333	.0778	.0778	.0758	.1127	.2078
25	.1339	.0941	.0941	.0921	.1449	.2671
26	.1444	.1073	.1073	.1053	.1743	.3300
27	.1550	.1019	.1019	.0999	.1772	.3266
28	.1556	.1007	.1007	.0987	.1868	.3462
29	.1662	.0774	.0774	.0754	.1534	.2818
30	.1667	.0473	.0473	.0453	.0984	.1813
31	.1772	.0355	.0355	.0335	.0792	.1441
32	.1778	.0264	.0264	.0244	.0715	.1318
33	.1883	.0212	.0212	.0192	.0522	.0963
34	.1889	.0175	.0175	.0155	.0457	.0843
35	.1994	.0154	.0154	.0134	.0425	.1152
36	.2000	.0226	.0226	.0206	.0720	.1326
37	.2006	.0237	.0237	.0217	.0827	.1325
38	.2111	.0188	.0188	.0168	.0702	.1283
39	.2117	.0075	.0075	.0055	.0253	.0466
40	.2222	.0052	.0052	.0042	.0213	.0392
41	.2228	.0049	.0049	.0049	.0243	.0411
42	.2333	.0073	.0073	.0053	.0341	.0628
43	.2339	.0086	.0086	.0066	.0431	.0794
44	.2444	.0087	.0087	.0067	.0480	.0901
45	.2550	.0077	.0077	.0057	.0479	.0883
46	.2556	.0085	.0085	.0065	.0544	.0958
47	.2662	.0040	.0040	.0020	.0258	.0378
48	.2667	.0040	.0040	.0020	.0254	.0365
49	.2772	.0045	.0045	.0025	.0263	.0343
50	.2778	.0038	.0038	.0018	.0217	.0311
51	.2883	.0025	.0025	.0005	.0065	.0010
52	.2889	.0012	.0012	.0000	.0000	.0000
53	.2994	.0013	.0013	.0000	.0000	.0000
54	.3000	.0011	.0011	.0000	.0000	.0000
55	.3006	.0011	.0011	.0000	.0000	.0000
56	.3111	.0021	.0021	.0000	.0000	.0000
57	.3117	.0016	.0016	.0000	.0000	.0000
58	.3222	.0019	.0019	.0000	.0000	.0000
59	.3228	.0019	.0019	.0000	.0000	.0000
60	.3333	.0025	.0025	.0002	.0002	.0001

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0 AVERAGE = .000500
 SIG.MET. = 6.5 UPPER HGT. = 7.1 LOWER HGT. = 6.1
 WIND SPEED = 20

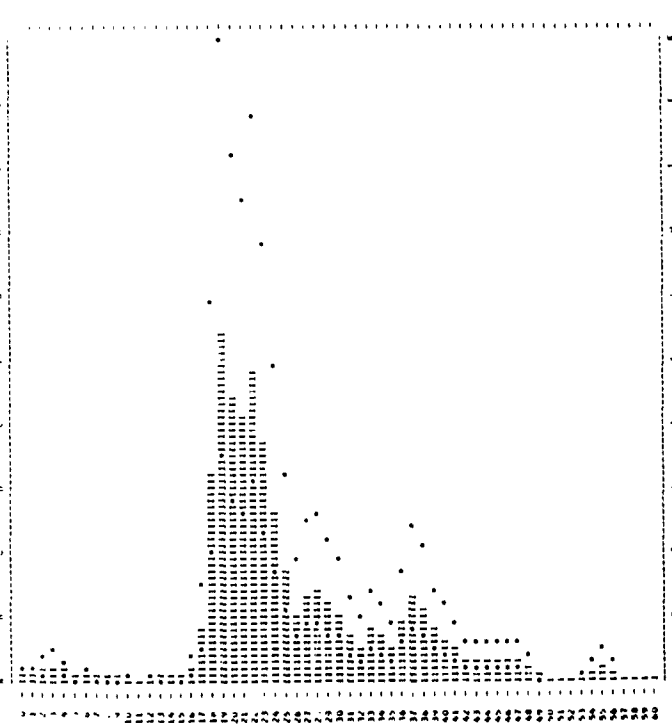


SMOOTHED HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 24/ 7/59 AV. T = 6.7 RECORD = DL 94
 HOUR = 1 SIG.MET. = 6.5 UPPER HGT. = 7.1
 TOTAL DP = 174 CORR. VAR. = 2.5 LOWER HGT. = 5.8
 NOISE LEVEL = .0018 WIND SPEED = 20

H	PRES. UNIT=FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.0000	.0061	.0061	.0044	.0044	.0078
1	.0006	.0063	.0063	.0045	.0045	.0081
2	.0111	.0124	.0124	.0107	.0107	.0137
3	.0117	.0184	.0184	.0167	.0167	.0208
4	.0222	.0107	.0107	.0089	.0089	.0117
5	.0228	.0557	.0557	.0539	.0539	.0672
6	.0333	.0064	.0064	.0046	.0046	.0059
7	.0339	.0045	.0045	.0027	.0036	.0047
8	.0444	.0047	.0047	.0027	.0034	.0047
9	.0550	.0039	.0039	.0022	.0023	.0047
10	.0556	.0026	.0026	.0009	.0015	.0025
11	.0662	.0027	.0027	.0015	.0017	.0031
12	.0667	.0035	.0035	.0017	.0018	.0034
13	.0772	.0057	.0057	.0044	.0045	.0074
14	.0778	.0053	.0053	.0044	.0045	.0076
15	.0883	.0053	.0053	.0044	.0045	.0076
16	.0889	.0122	.0122	.0105	.0111	.0205
17	.0994	.0043	.0043	.0036	.0045	.0076
18	.1000	.1467	.1467	.1434	.1474	.2000
19	.1006	.2348	.2348	.2311	.2351	.3071
20	.1111	.1846	.1846	.1827	.2281	.3138
21	.1117	.1677	.1677	.1669	.2003	.3102
22	.1222	.1827	.1827	.1810	.2474	.3547
23	.1228	.1360	.1360	.1323	.1866	.3638
24	.1333	.0721	.0721	.0683	.1343	.2474
25	.1339	.0589	.0589	.0552	.0888	.1850
26	.1444	.0379	.0379	.0311	.0519	.0956
27	.1450	.0394	.0394	.0337	.0642	.1014
28	.1556	.0394	.0394	.0337	.0713	.1114
29	.1662	.0311	.0311	.0273	.0396	.0396
30	.1667	.0258	.0258	.0240	.0320	.0388
31	.1772	.0171	.0171	.0153	.0358	.0649
32	.1778	.0128	.0128	.0110	.0278	.0512
33	.1883	.0159	.0159	.0141	.0368	.0378
34	.1889	.0131	.0131	.0113	.0334	.0615
35	.1994	.0094	.0094	.0076	.0284	.0355
36	.2000	.0072	.0072	.0053	.0248	.0262
37	.2006	.0195	.0195	.0177	.0274	.1262
38	.2111	.0175	.0175	.0158	.0276	.1018
39	.2117	.0175	.0175	.0158	.0276	.1018
40	.2222	.0081	.0081	.0065	.0326	.0601
41	.2228	.0060	.0060	.0044	.0282	.0647
42	.2333	.0041	.0041	.0023	.0177	.0377
43	.2339	.0041	.0041	.0023	.0159	.0273
44	.2444	.0040	.0040	.0021	.0163	.0301
45	.2450	.0035	.0035	.0017	.0163	.0310
46	.2556	.0033	.0033	.0015	.0158	.0272
47	.2662	.0029	.0029	.0010	.0160	.0271
48	.2667	.0020	.0020	.0003	.0160	.0271
49	.2772	.0016	.0016	.0000	.0160	.0271
50	.2778	.0016	.0016	.0000	.0160	.0271
51	.2883	.0016	.0016	.0000	.0160	.0271
52	.2889	.0016	.0016	.0000	.0160	.0271
53	.2994	.0016	.0016	.0000	.0160	.0271
54	.3000	.0016	.0016	.0000	.0160	.0271
55	.3006	.0016	.0016	.0000	.0160	.0271
56	.3111	.0016	.0016	.0000	.0160	.0271
57	.3117	.0016	.0016	.0000	.0160	.0271
58	.3222	.0016	.0016	.0000	.0160	.0271
59	.3228	.0016	.0016	.0000	.0160	.0271
60	.3333	.0016	.0016	.0000	.0160	.0271

SMOOTHED HINDCASTING SPECTRA COMPUTED JAN. 1963
 HOUR = 1 AVERAGE = .000500
 SIG.MET. = 6.5 UPPER HGT. = 7.1 LOWER HGT. = 5.8
 WIND SPEED = 20

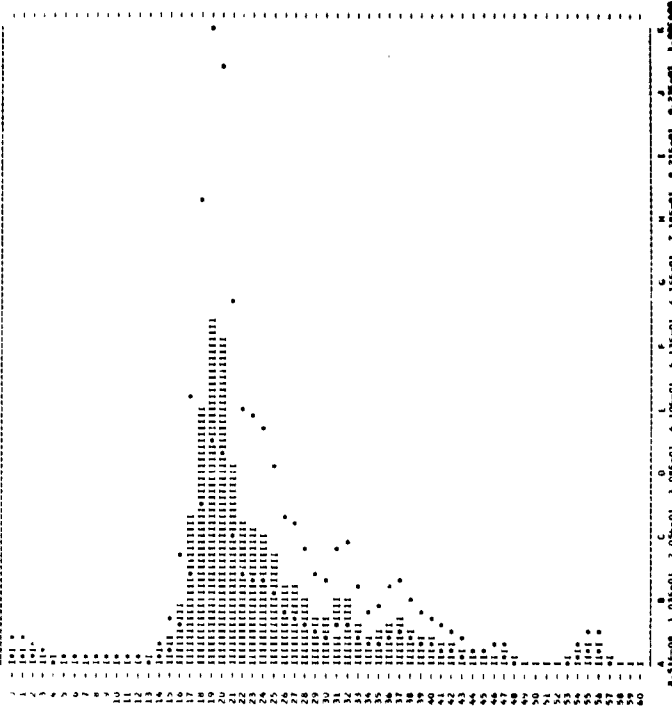


HINDCASTING SPECTRA COMPUTED JAN. 1963

DATE = 25/ 7/59 AV. T = 7.0 RECORD = DL103
 HOUR = 18 SIG.MGT. = 8.9 UPPER HGT. = 9.3
 TOTAL DP = 169 CORR. VAR. = 6.5 LOWER HGT. = 7.8
 NOISE LEVEL = .0034 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0245	.0212	.0212	.0390	.0135
1	.006	.0248	.0216	.0216	.0396	.0136
2	.011	.0215	.0181	.0181	.0354	.0119
3	.017	.0189	.0159	.0159	.0310	.0099
4	.022	.0107	.0073	.0073	.0184	.0046
5	.028	.0062	.0042	.0042	.0091	.0018
6	.033	.0084	.0054	.0054	.0098	.0020
7	.039	.0084	.0050	.0040	.0073	.0025
8	.046	.0070	.0036	.0043	.0080	.0028
9	.050	.0049	.0035	.0039	.0072	.0025
10	.056	.0071	.0037	.0040	.0073	.0025
11	.061	.0080	.0046	.0048	.0088	.0030
12	.067	.0077	.0044	.0045	.0083	.0029
13	.072	.0099	.0065	.0067	.0123	.0042
14	.078	.0180	.0150	.0162	.0286	.0103
15	.083	.0396	.0362	.0381	.0702	.0243
16	.089	.0940	.0906	.0963	.1776	.0613
17	.096	.2199	.2149	.2116	.2354	.1486
18	.100	.3619	.3585	.4081	.7522	.2599
19	.106	.4748	.4716	.5565	1.0257	.3543
20	.111	.4299	.4265	.5218	.9654	.3335
21	.117	.2511	.2477	.3175	.5852	.2022
22	.122	.1877	.1843	.2208	.4088	.1405
23	.128	.1558	.1524	.1874	.3963	.1349
24	.133	.1408	.1374	.2044	.3767	.1301
25	.139	.1127	.1094	.1721	.3171	.1094
26	.144	.0788	.0754	.1275	.2390	.0812
27	.150	.0715	.0681	.1208	.2226	.0769
28	.156	.0587	.0554	.1049	.1860	.0643
29	.161	.0413	.0379	.0767	.1313	.0488
30	.167	.0366	.0330	.0716	.1320	.0456
31	.172	.0452	.0418	.0776	.1798	.0621
32	.178	.0448	.0414	.1043	.1922	.0684
33	.183	.0273	.0239	.0650	.1198	.0614
34	.189	.0183	.0149	.0439	.0809	.0260
35	.194	.0182	.0148	.0475	.0876	.0433
36	.200	.0218	.0184	.0643	.1185	.0410
37	.206	.0225	.0191	.0727	.1340	.0463
38	.211	.0189	.0155	.0784	.1404	.0379
39	.217	.0133	.0100	.0457	.0842	.0291
40	.222	.0117	.0084	.0409	.0754	.0260
41	.228	.0101	.0067	.0318	.0623	.0215
42	.233	.0078	.0046	.0280	.0517	.0178
43	.239	.0069	.0044	.0220	.0466	.0140
44	.244	.0087	.0057	.0130	.0240	.0093
45	.250	.0041	.0045	.0098	.0181	.0062
46	.256	.0053	.0046	.0132	.0281	.0077
47	.261	.0052	.0046	.0167	.0308	.0107
48	.267	.0040	.0036	.0073	.0130	.0045
49	.272	.0028	.0028	.0000	.0000	.0000
50	.278	.0027	.0027	.0000	.0000	.0000
51	.283	.0031	.0030	.0000	.0000	.0000
52	.289	.0037	.0035	.0001	.0027	.0049
53	.294	.0035	.0031	.0003	.0064	.0122
54	.300	.0040	.0040	.0006	.0155	.0286
55	.306	.0043	.0039	.0070	.0447	.0172
56	.311	.0047	.0047	.0068	.0174	.0047
57	.317	.0037	.0036	.0007	.0140	.0049
58	.322	.0025	.0027	.0000	.0000	.0000
59	.328	.0022	.0021	.0000	.0000	.0000
60	.333	.0024	.0021	.0000	.0000	.0000

HINDCASTING SPECTRA COMPUTED JAN. 1963
 AVERAGE = .0037-67
 HOUR=18
 6.51 ON 1.00E-01 2.00E-01 3.00E-01 4.00E-01 5.00E-01 6.00E-01 7.00E-01 8.00E-01 9.00E-01 1.00E-00

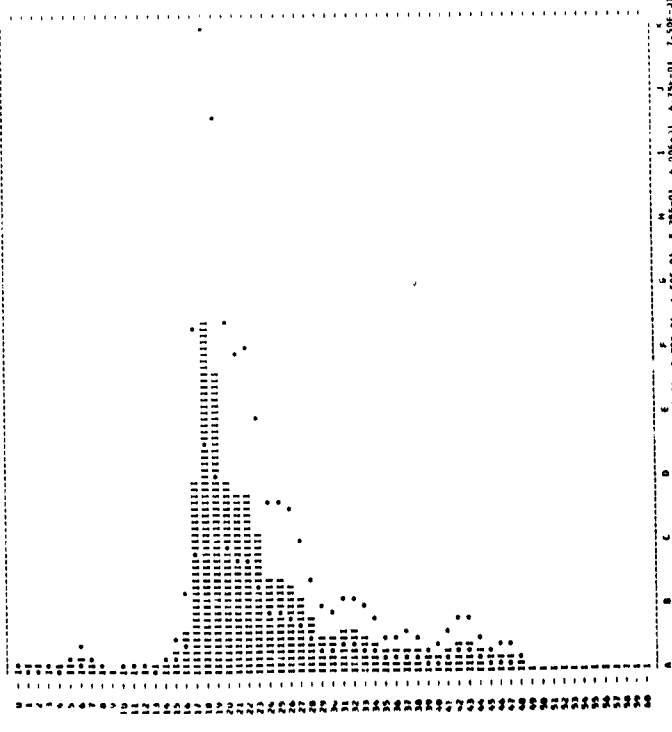


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 AV. T = 7.4 RECORD = DL104
 HOUR = 21 SIG.MGT. = 8.8 UPPER HGT. = 7.4
 TOTAL DP = 149 CORR. VAR. = 2.9 LOWER HGT. = 6.2
 NOISE LEVEL = .0027 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED-NOISE	CORR.FT.2	UPPER	LOWER	
0	.020	.0060	.0040	.0033	.0042	.0021
1	.006	.0068	.0041	.0041	.0076	.0026
2	.011	.0073	.0046	.0046	.0089	.0030
3	.017	.0083	.0036	.0036	.0067	.0023
4	.022	.0073	.0046	.0046	.0085	.0030
5	.028	.0106	.0079	.0079	.0146	.0051
6	.033	.0120	.0093	.0093	.0211	.0066
7	.039	.0093	.0066	.0088	.0162	.0056
8	.044	.0053	.0026	.0031	.0058	.0020
9	.050	.0039	.0019	.0012	.0014	.0009
10	.056	.0052	.0025	.0027	.0050	.0017
11	.061	.0049	.0022	.0023	.0043	.0015
12	.067	.0062	.0035	.0036	.0067	.0023
13	.072	.0075	.0048	.0050	.0091	.0032
14	.078	.0098	.0071	.0074	.0136	.0047
15	.083	.0211	.0184	.0194	.0357	.0123
16	.089	.0475	.0448	.0477	.0879	.0304
17	.096	.1980	.1962	.2165	.3991	.1379
18	.100	.3601	.3574	.4089	.7500	.2591
19	.106	.2980	.2953	.3486	.6426	.2220
20	.111	.1819	.1792	.2201	.4057	.1401
21	.117	.1585	.1558	.1947	.3681	.1272
22	.122	.1550	.1523	.2045	.3749	.1302
23	.128	.1146	.1119	.1579	.2910	.1005
24	.133	.0738	.0711	.1058	.1950	.0874
25	.139	.0496	.0469	.1053	.1241	.0670
26	.144	.0426	.0399	.1000	.1843	.0437
27	.150	.0475	.0448	.0795	.1466	.0506
28	.156	.0338	.0311	.0589	.1084	.0375
29	.161	.0219	.0192	.0389	.0717	.0248
30	.167	.0193	.0166	.0361	.0666	.0230
31	.172	.0217	.0190	.0444	.0818	.0283
32	.178	.0203	.0176	.0444	.0818	.0283
33	.183	.0171	.0144	.0392	.0727	.0240
34	.189	.0132	.0105	.0311	.0573	.0198
35	.194	.0092	.0065	.0209	.0386	.0133
36	.200	.0082	.0055	.0193	.0359	.0123
37	.206	.0088	.0061	.0234	.0431	.0149
38	.211	.0073	.0046	.0193	.0357	.0123
39	.217	.0052	.0025	.0118	.0214	.0074
40	.222	.0051	.0034	.0094	.0312	.0108
41	.228	.0075	.0046	.0258	.0475	.0184
42	.233	.0085	.0054	.0331	.0611	.0211
43	.239	.0073	.0046	.0311	.0576	.0198
44	.244	.0050	.0027	.0180	.0295	.0131
45	.250	.0038	.0016	.0138	.0255	.0088
46	.256	.0044	.0017	.0149	.0294	.0101
47	.261	.0044	.0015	.0180	.0295	.0102
48	.267	.0033	.0008	.0091	.0167	.0098
49	.272	.0027	.0001	.0018	.0119	.0060
50	.278	.0024	.0000	.0000	.0000	.0000
51	.283	.0023	.0000	.0000	.0000	.0000
52	.289	.0028	.0007	.0002	.0004	.0002
53	.294	.0028	.0003	.0003	.0005	.0002
54	.300	.0034	.0008	.0008	.0015	.0009
55	.306	.0044	.0013	.0013	.0024	.0016
56	.311	.0037	.0009	.0009	.0016	.0009
57	.317	.0023	.0000	.0000	.0000	.0000
58	.322	.0014	.0000	.0000	.0000	.0000
59	.328	.0018	.0000	.0000	.0000	.0000
60	.333	.0020	.0000	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 AVERAGE = .0000E+00
 HOUR=21
 6.37E-09 7.50E-02 1.50E-01 2.25E-01 3.00E-01 3.75E-01 4.50E-01 5.25E-01 6.00E-01 6.75E-01 7.50E-01

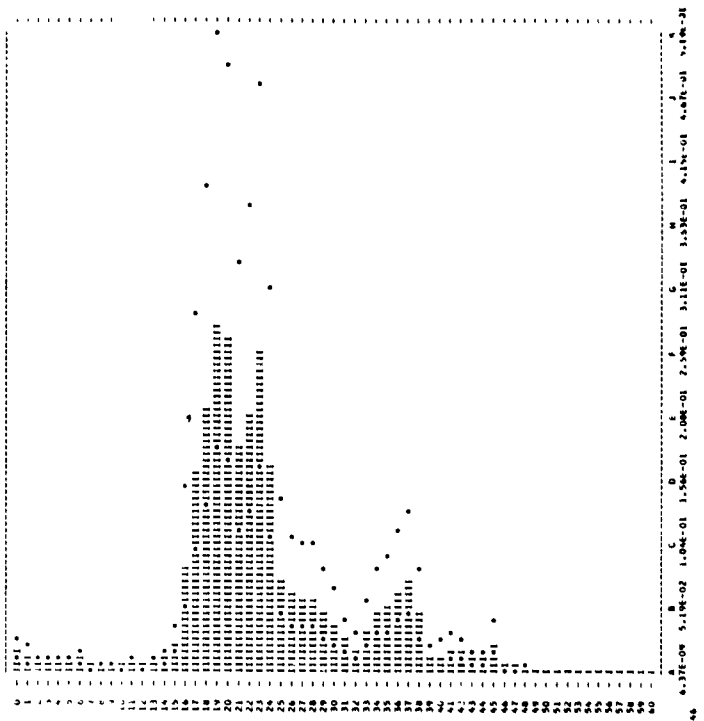


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 25/ 7/59 AV. T = 7.3 RECORD = DL105
 HOUR = 0 SIG. HGT. = 6.6 UPPER HGT. = 7.2
 TOTAL DP = 166 CORR. F.T.M. = 2.7 LOWER HGT. = 6.0
 NOISE LEVEL = .0024 WIND SPEED = 10

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.F.T.2	UPPER	LOWER
0	.0000	.0156	.0156	.0130	.0240	.0083
1	.006	.0223	.0223	.0209	.0089	.0123
2	.011	.0086	.0086	.0062	.0115	.0040
3	.017	.0073	.0073	.0049	.0069	.0031
4	.022	.0076	.0076	.0054	.0094	.0036
5	.028	.0088	.0088	.0064	.0118	.0041
6	.033	.0075	.0075	.0051	.0081	.0149
7	.039	.0050	.0050	.0026	.0035	.0066
8	.044	.0037	.0037	.0013	.0016	.0029
9	.050	.0042	.0042	.0018	.0020	.0037
10	.056	.0023	.0023	.0009	.0011	.0016
11	.061	.0065	.0065	.0041	.0043	.0079
12	.067	.0051	.0051	.0027	.0028	.0051
13	.072	.0065	.0065	.0041	.0042	.0076
14	.078	.0105	.0105	.0081	.0084	.0155
15	.083	.0221	.0221	.0197	.0207	.0382
16	.089	.0763	.0763	.0769	.0819	.1507
17	.094	.1480	.1480	.1486	.1585	.2921
18	.100	.1908	.1908	.1886	.2165	.3953
19	.106	.2409	.2409	.2385	.2816	.5190
20	.111	.2211	.2211	.2187	.2486	.4950
21	.117	.1640	.1640	.1616	.1815	.3346
22	.122	.1552	.1552	.1528	.1781	.3206
23	.128	.1880	.1880	.1856	.2150	.4774
24	.133	.1153	.1153	.1129	.1279	.3095
25	.139	.0502	.0502	.0478	.0575	.1386
26	.144	.0385	.0385	.0361	.0403	.1111
27	.150	.0368	.0368	.0344	.0375	.1080
28	.156	.0223	.0223	.0209	.0238	.0640
29	.161	.0243	.0243	.0219	.0243	.0817
30	.167	.0187	.0187	.0163	.0176	.0653
31	.172	.0175	.0175	.0151	.0164	.0575
32	.178	.0091	.0091	.0067	.0079	.0312
33	.183	.0135	.0135	.0111	.0123	.0557
34	.189	.0177	.0177	.0153	.0165	.0812
35	.194	.0174	.0174	.0150	.0162	.0910
36	.200	.0200	.0200	.0176	.0188	.1133
37	.206	.0211	.0211	.0187	.0200	.1215
38	.211	.0130	.0130	.0106	.0118	.0816
39	.217	.0051	.0051	.0027	.0125	.0230
40	.222	.0045	.0045	.0021	.0122	.0232
41	.228	.0057	.0057	.0032	.0155	.0286
42	.233	.0048	.0048	.0022	.0136	.0251
43	.239	.0021	.0021	.0002	.0147	.0261
44	.244	.0032	.0032	.0012	.0092	.0170
45	.250	.0049	.0049	.0025	.0213	.0392
46	.256	.0046	.0046	.0026	.0206	.0373
47	.261	.0058	.0058	.0031	.0031	.0057
48	.267	.0036	.0036	.0016	.0011	.0029
49	.272	.0028	.0028	.0008	.0011	.0006
50	.278	.0078	.0078	.0048	.0004	.0007
51	.283	.0027	.0027	.0002	.0002	.0006
52	.289	.0023	.0023	.0000	.0000	.0000
53	.294	.0020	.0020	.0000	.0000	.0000
54	.300	.0011	.0011	.0000	.0000	.0000
55	.306	.0019	.0019	.0000	.0000	.0000
56	.311	.0025	.0025	.0001	.0001	.0002
57	.317	.0030	.0030	.0005	.0005	.0009
58	.322	.0030	.0030	.0005	.0005	.0009
59	.328	.0025	.0025	.0001	.0001	.0003
60	.333	.0021	.0021	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 0 AVERAGE = .00000000
 6.37E-09 5.19E-02 1.04E-01 1.56E-01 2.00E-01 2.50E-01 3.00E-01 3.50E-01 4.00E-01 4.50E-01 5.00E-01 5.50E-01 6.00E-01 6.50E-01 7.00E-01 7.50E-01 8.00E-01 8.50E-01 9.00E-01 9.50E-01 1.00E-00



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 AV. T = 7.2 RECORD = DL106
 HOUR = 6 SIG. HGT. = 14.3 UPPER HGT. = 15.5
 TOTAL DP = 218 CORR. F.T.M. = 12.0 LOWER HGT. = 13.3
 NOISE LEVEL = .0034 WIND SPEED = 30

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.F.T.2	UPPER	LOWER
0	.0000	.0423	.0423	.0389	.0389	.0718
1	.006	.0552	.0552	.0518	.0518	.0955
2	.011	.0657	.0657	.0623	.0623	.1149
3	.017	.0590	.0590	.0556	.0556	.1025
4	.022	.0480	.0480	.0446	.0446	.0786
5	.028	.0271	.0271	.0237	.0237	.0437
6	.033	.0171	.0171	.0137	.0137	.0409
7	.039	.0187	.0187	.0153	.0153	.0338
8	.044	.0186	.0186	.0152	.0152	.0304
9	.050	.0243	.0243	.0209	.0209	.0496
10	.056	.0863	.0863	.0829	.0829	.1322
11	.061	.1196	.1196	.1162	.1162	.1849
12	.067	.4385	.4385	.4351	.4351	.6907
13	.072	.3940	.3940	.3906	.3906	.6140
14	.078	1.0162	1.0162	1.0128	1.0128	1.5140
15	.083	.5703	.5703	.5669	.5669	.8537
16	.089	.3512	.3512	.3478	.3478	.5235
17	.094	.2866	.2866	.2832	.2832	.4263
18	.100	.1476	.1476	.1442	.1442	.2195
19	.106	.0915	.0915	.0881	.0881	.1339
20	.111	.0838	.0838	.0804	.0804	.1209
21	.117	.0910	.0910	.0876	.0876	.1329
22	.122	.1288	.1288	.1254	.1254	.1933
23	.128	.1473	.1473	.1439	.1439	.2168
24	.133	.2178	.2178	.2144	.2144	.3270
25	.139	.3297	.3297	.3263	.3263	.4945
26	.144	.3826	.3826	.3792	.3792	.5620
27	.150	.2844	.2844	.2810	.2810	.4204
28	.156	.1286	.1286	.1252	.1252	.1854
29	.161	.1192	.1192	.1158	.1158	.1725
30	.167	.0877	.0877	.0843	.0843	.1286
31	.172	.0519	.0519	.0485	.0485	.0741
32	.178	.0526	.0526	.0492	.0492	.0742
33	.183	.0502	.0502	.0468	.0468	.0735
34	.189	.0398	.0398	.0364	.0364	.0541
35	.194	.0292	.0292	.0258	.0258	.0389
36	.200	.0173	.0173	.0139	.0139	.0217
37	.206	.0116	.0116	.0082	.0082	.0148
38	.211	.0141	.0141	.0107	.0107	.0182
39	.217	.0170	.0170	.0136	.0136	.0213
40	.222	.0126	.0126	.0093	.0093	.0141
41	.228	.0087	.0087	.0053	.0053	.0093
42	.233	.0093	.0093	.0059	.0059	.0097
43	.239	.0096	.0096	.0058	.0058	.0092
44	.244	.0083	.0083	.0047	.0047	.0071
45	.250	.0081	.0081	.0043	.0043	.0065
46	.256	.0067	.0067	.0030	.0030	.0043
47	.261	.0041	.0041	.0017	.0017	.0024
48	.267	.0048	.0048	.0021	.0021	.0031
49	.272	.0051	.0051	.0016	.0016	.0010
50	.278	.0039	.0039	.0000	.0000	.0004
51	.283	.0024	.0024	.0000	.0000	.0000
52	.289	.0032	.0032	.0000	.0000	.0000
53	.294	.0041	.0041	.0008	.0008	.0004
54	.300	.0046	.0046	.0009	.0009	.0004
55	.306	.0052	.0052	.0009	.0009	.0004
56	.311	.0052	.0052	.0012	.0012	.0004
57	.317	.0061	.0061	.0006	.0006	.0004
58	.322	.0023	.0023	.0000	.0000	.0000
59	.328	.0016	.0016	.0000	.0000	.0000
60	.333	.0011	.0011	.0000	.0000	.0000

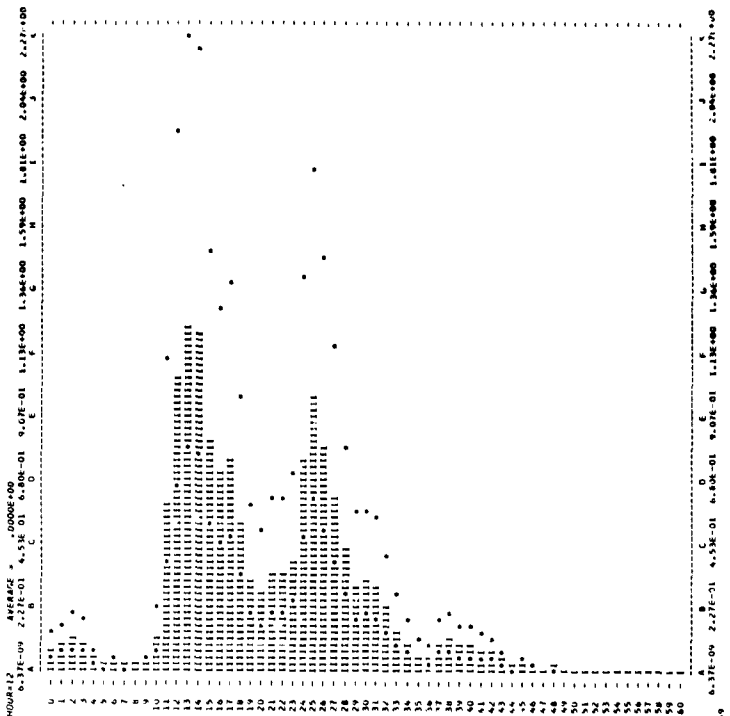
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 6 AVERAGE = .00000000
 6.37E-09 7.22E-01 1.11E+00 1.11E+00 1.55E+00 1.99E+00 2.42E+00 2.85E+00 3.28E+00 3.71E+00 4.14E+00 4.57E+00 5.00E+00 5.43E+00 5.86E+00 6.29E+00 6.72E+00 7.15E+00 7.58E+00 8.01E+00 8.44E+00 8.87E+00 9.30E+00 9.73E+00 1.016E+00 1.059E+00 1.102E+00 1.145E+00 1.188E+00 1.231E+00 1.274E+00 1.317E+00 1.360E+00 1.403E+00 1.446E+00 1.489E+00 1.532E+00 1.575E+00 1.618E+00 1.661E+00 1.704E+00 1.747E+00 1.790E+00 1.833E+00 1.876E+00 1.919E+00 1.962E+00 2.005E+00 2.048E+00 2.091E+00 2.134E+00 2.177E+00 2.220E+00 2.263E+00 2.306E+00 2.349E+00 2.392E+00 2.435E+00 2.478E+00 2.521E+00 2.564E+00 2.607E+00 2.650E+00 2.693E+00 2.736E+00 2.779E+00 2.822E+00 2.865E+00 2.908E+00 2.951E+00 2.994E+00 3.037E+00 3.080E+00 3.123E+00 3.166E+00 3.209E+00 3.252E+00 3.295E+00 3.338E+00 3.381E+00 3.424E+00 3.467E+00 3.510E+00 3.553E+00 3.596E+00 3.639E+00 3.682E+00 3.725E+00 3.768E+00 3.811E+00 3.854E+00 3.897E+00 3.940E+00 3.983E+00 4.026E+00 4.069E+00 4.112E+00 4.155E+00 4.198E+00 4.241E+00 4.284E+00 4.327E+00 4.370E+00 4.413E+00 4.456E+00 4.499E+00 4.542E+00 4.585E+00 4.628E+00 4.671E+00 4.714E+00 4.757E+00 4.800E+00 4.843E+00 4.886E+00 4.929E+00 4.972E+00 5.015E+00 5.058E+00 5.101E+00 5.144E+00 5.187E+00 5.230E+00 5.273E+00 5.316E+00 5.359E+00 5.402E+00 5.445E+00 5.488E+00 5.531E+00 5.574E+00 5.617E+00 5.660E+00 5.703E+00 5.746E+00 5.789E+00 5.832E+00 5.875E+00 5.918E+00 5.961E+00 5.999E+00 6.042E+00 6.085E+00 6.128E+00 6.171E+00 6.214E+00 6.257E+00 6.300E+00 6.343E+00 6.386E+00 6.429E+00 6.472E+00 6.515E+00 6.558E+00 6.601E+00 6.644E+00 6.687E+00 6.730E+00 6.773E+00 6.816E+00 6.859E+00 6.902E+00 6.945E+00 6.988E+00 7.031E+00 7.074E+00 7.117E+00 7.160E+00 7.203E+00 7.246E+00 7.289E+00 7.332E+00 7.375E+00 7.418E+00 7.461E+00 7.504E+00 7.547E+00 7.590E+00 7.633E+00 7.676E+00 7.719E+00 7.762E+00 7.805E+00 7.848E+00 7.891E+00 7.934E+00 7.977E+00 8.020E+00 8.063E+00 8.106E+00 8.149E+00 8.192E+00 8.235E+00 8.278E+00 8.321E+00 8.364E+00 8.407E+00 8.450E+00 8.493E+00 8.536E+00 8.579E+00 8.622E+00 8.665E+00 8.708E+00 8.751E+00 8.794E+00 8.837E+00 8.880E+00 8.923E+00 8.966E+00 9.009E+00 9.052E+00 9.095E+00 9.138E+00 9.181E+00 9.224E+00 9.267E+00 9.310E+00 9.353E+00 9.396E+00 9.439E+00 9.482E+00 9.525E+00 9.568E+00 9.611E+00 9.654E+00 9.697E+00 9.740E+00 9.783E+00 9.826E+00 9.869E+00 9.912E+00 9.955E+00 9.998E+00 1.0041E+00 1.0084E+00 1.0127E+00 1.0170E+00 1.0213E+00 1.0256E+00 1.0299E+00 1.0342E+00 1.0385E+00 1.0428E+00 1.0471E+00 1.0514E+00 1.0557E+00 1.0600E+00 1.0643E+00 1.0686E+00 1.0729E+00 1.0772E+00 1.0815E+00 1.0858E+00 1.0901E+00 1.0944E+00 1.0987E+00 1.1030E+00 1.1073E+00 1.1116E+00 1.1159E+00 1.1202E+00 1.1245E+00 1.1288E+00 1.1331E+00 1.1374E+00 1.1417E+00 1.1460E+00 1.1503E+00 1.1546E+00 1.1589E+00 1.1632E+00 1.1675E+00 1.1718E+00 1.1761E+00 1.1804E+00 1.1847E+00 1.1890E+00 1.1933E+00 1.1976E+00 1.2019E+00 1.2062E+00 1.2105E+00 1.2148E+00 1.2191E+00 1.2234E+00 1.2277E+00 1.2320E+00 1.2363E+00 1.2406E+00 1.2449E+00 1.2492E+00 1.2535E+00 1.2578E+00 1.2621E+00 1.2664E+00 1.2707E+00 1.2750E+00 1.2793E+00 1.2836E+00 1.2879E+00 1.2922E+00 1.2965E+00 1.3008E+00 1.3051E+00 1.3094E+00 1.3137E+00 1.3180E+00 1.3223E+00 1.3266E+00 1.3309E+00 1.3352E+00 1.3395E+00 1.3438E+00 1.3481E+00 1.3524E+00 1.3567E+00 1.3610E+00 1.3653E+00 1.3696E+00 1.3739E+00 1.3782E+00 1.3825E+00 1.3868E+00 1.3911E+00 1.3954E+00 1.3997E+00 1.4040E+00 1.4083E+00 1.4126E+00 1

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 07/4/57 AV. T = 8.3 RECORD = DL107
 HOUR = 12 SIG.MGT. = 15.4 UPPER MGT. = 16.4
 TOTAL DP = 216 CORR. VAR. = 14.8 LOWER MGT. = 14.2
 NOISE LEVEL = .0031 WIND SPEED = 30

M	PRF.	UNIT	FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0800	.0800	.0769	.0769	.1418	.0490	
1	.006	.0949	.0949	.0918	.0918	.1642	.0585	
2	.011	.1190	.1190	.1159	.1159	.2136	.0738	
3	.017	.0900	.0900	.0869	.0869	.1760	.0611	
4	.022	.0491	.0491	.0420	.0420	.0774	.0268	
5	.028	.0163	.0163	.0132	.0132	.0266	.0096	
6	.033	.0160	.0160	.0129	.0129	.0265	.0133	
7	.039	.0155	.0155	.0124	.0124	.0214	.0109	
8	.044	.0179	.0179	.0148	.0148	.0340	.0117	
9	.050	.0262	.0262	.0211	.0211	.0265	.0158	
10	.056	.1118	.1118	.1087	.1087	.1239	.0789	
11	.061	.5332	.5332	.5301	.5301	1.1032	.3911	
12	.067	.0213	.0213	.0182	.0182	1.0415	1.9197	.6832
13	.072	1.0683	1.0683	1.0652	1.0652	1.2300	2.2671	.7832
14	.078	1.0201	1.0201	1.0170	1.0170	1.2072	2.2250	.7687
15	.083	.8649	.8649	.8618	.8618	.9376	.8222	.5185
16	.089	.5475	.5475	.5444	.5444	.6493	1.2889	.4433
17	.094	.5562	.5562	.5531	.5531	.7669	1.3767	.4756
18	.100	.3731	.3731	.3700	.3700	.5283	.8737	.3344
19	.106	.2175	.2175	.2144	.2144	.3258	.6004	.2074
20	.111	.1667	.1667	.1636	.1636	.2657	.4898	.1492
21	.117	.1966	.1966	.1935	.1935	.3376	.4822	.2149
22	.122	.1781	.1781	.1750	.1750	.3295	.6074	.2098
23	.128	.1480	.1480	.1449	.1449	.3775	.6958	.2404
24	.133	.3465	.3465	.3434	.3434	.7884	1.3887	.4835
25	.139	.4021	.4021	.3990	.3990	.9716	1.7907	.6186
26	.144	.3007	.3007	.2976	.2976	.7866	1.6682	.5072
27	.150	.2140	.2140	.2109	.2109	.6227	1.1477	.3969
28	.156	.1356	.1356	.1325	.1325	.4337	.7909	.2761
29	.161	.0859	.0859	.0828	.0828	.3016	.5958	.1920
30	.167	.0787	.0787	.0756	.0756	.3078	.5476	.1840
31	.172	.0486	.0486	.0455	.0455	.2991	.5513	.1905
32	.178	.0461	.0461	.0430	.0430	.2215	.4082	.1410
33	.183	.0280	.0280	.0249	.0249	.1450	.2472	.0823
34	.189	.0179	.0179	.0148	.0148	.0980	.1808	.0624
35	.194	.0104	.0104	.0073	.0073	.0567	.1044	.0381
36	.200	.0086	.0086	.0055	.0055	.0476	.0878	.0303
37	.206	.0125	.0125	.0094	.0094	.0934	.1721	.0595
38	.211	.0128	.0128	.0097	.0097	.1049	.2007	.0693
39	.217	.0093	.0093	.0062	.0062	.0825	.1542	.0525
40	.222	.0084	.0084	.0053	.0053	.0812	.1497	.0517
41	.228	.0073	.0073	.0042	.0042	.0764	.1407	.0486
42	.233	.0061	.0061	.0030	.0030	.0626	.1154	.0399
43	.239	.0063	.0063	.0014	.0014	.0358	.0659	.0228
44	.244	.0032	.0032	.0006	.0006	.0173	.0319	.0110
45	.250	.0040	.0040	.0006	.0006	.0197	.0362	.0125
46	.256	.0034	.0034	.0002	.0002	.0099	.0163	.0063
47	.261	.0025	.0025	.0000	.0000	.0000	.0000	.0000
48	.267	.0033	.0033	.0002	.0002	.0143	.0263	.0091
49	.272	.0042	.0042	.0008	.0008	.0008	.0015	.0005
50	.278	.0038	.0038	.0009	.0009	.0015	.0015	.0005
51	.283	.0038	.0038	.0009	.0009	.0009	.0016	.0006
52	.289	.0045	.0045	.0010	.0010	.0010	.0019	.0007
53	.294	.0037	.0037	.0004	.0004	.0004	.0007	.0002
54	.300	.0019	.0019	.0002	.0002	.0004	.0006	.0002
55	.306	.0017	.0017	.0000	.0000	.0000	.0000	.0000
56	.311	.0027	.0027	.0000	.0000	.0000	.0000	.0000
57	.317	.0015	.0015	.0002	.0002	.0002	.0003	.0001
58	.322	.0033	.0033	.0001	.0001	.0001	.0003	.0001
59	.328	.0030	.0030	.0000	.0000	.0000	.0000	.0000
60	.333	.0030	.0030	.0000	.0000	.0000	.0000	.0000

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963
 DL107 07/4/57
 HOURS: 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
 0.37E-09 2.27E-01 4.53E-01 6.80E-01 9.07E-01 1.13E-00 1.36E-00 1.59E-00 1.82E-00 2.04E-00 2.27E-00

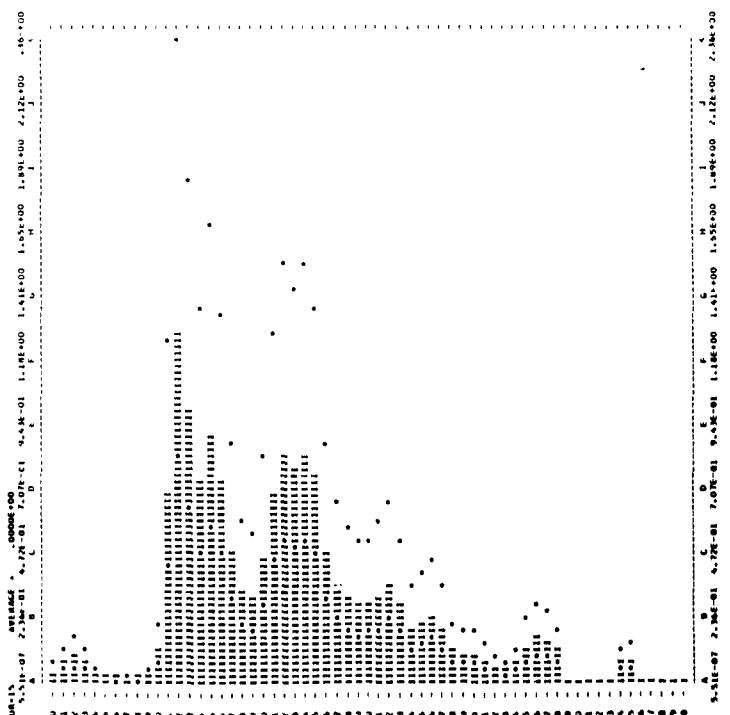


SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963

DATE = 07/4/57 AV. T = 7.4 RECORD = DL108
 HOUR = 15 SIG.MGT. = 16.0 UPPER MGT. = 17.2
 TOTAL DP = 258 CORR. VAR. = 16.0 LOWER MGT. = 14.9
 NOISE LEVEL = .0034 WIND SPEED = 30

M	PRF.	UNIT	FT.2	FILTERED	NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0369	.0369	.0335	.0335	.0618	.0214	
1	.006	.0692	.0692	.0658	.0658	.1213	.0419	
2	.011	.0932	.0932	.0898	.0898	.1845	.0572	
3	.017	.0626	.0626	.0592	.0592	.1092	.0377	
4	.022	.0336	.0336	.0302	.0302	.0557	.0193	
5	.028	.0220	.0220	.0186	.0186	.0156	.0344	.0119
6	.033	.0131	.0131	.0097	.0097	.0157	.0290	.0100
7	.039	.0116	.0116	.0082	.0082	.0113	.0209	.0072
8	.044	.0118	.0118	.0084	.0084	.0130	.0240	.0083
9	.050	.0239	.0239	.0205	.0205	.0241	.0445	.0154
10	.056	.1039	.1039	.1005	.1005	.1146	.2112	.0730
11	.061	.5999	.5999	.5965	.5965	.7536	1.2415	.4289
12	.067	1.1312	1.1312	1.1278	1.1278	1.2744	2.3580	.8144
13	.072	.8697	.8697	.8663	.8663	1.0004	1.8438	.6370
14	.078	.5784	.5784	.5750	.5750	.7188	1.3618	.4704
15	.083	.3767	.3767	.3733	.3733	.4923	1.0631	.3745
16	.089	.5696	.5696	.5662	.5662	.7273	1.3408	.4631
17	.094	.3534	.3534	.3500	.3500	.4727	.812	.3010
18	.100	.2266	.2266	.2232	.2232	.3187	.5674	.2029
19	.106	.1977	.1977	.1943	.1943	.2953	.5442	.1880
20	.111	.2788	.2788	.2754	.2754	.4441	.8278	.2880
21	.117	.4020	.4020	.3986	.3986	.6954	1.2817	.4428
22	.122	.4429	.4429	.4395	.4395	.6276	1.5253	.5269
23	.128	.3857	.3857	.3823	.3823	.5705	1.1367	.4470
24	.133	.3759	.3759	.3725	.3725	.6286	1.5273	.5276
25	.139	.3096	.3096	.3062	.3062	.7457	1.3744	.4748
26	.144	.1824	.1824	.1790	.1790	.4742	.8632	.3051
27	.150	.1229	.1229	.1195	.1195	.3529	.6505	.2247
28	.156	.0959	.0959	.0925	.0925	.3028	.5582	.1928
29	.161	.0790	.0790	.0756	.0756	.2754	.5077	.1754
30	.167	.0725	.0725	.0691	.0691	.2815	.5188	.1742
31	.172	.0721	.0721	.0687	.0687	.3138	.5784	.1978
32	.178	.0731	.0731	.0697	.0697	.3591	.6618	.2286
33	.183	.0512	.0512	.0478	.0478	.2784	.4731	.1772
34	.189	.0326	.0326	.0292	.0292	.1934	.3544	.1231
35	.194	.0323	.0323	.0289	.0289	.2181	.4021	.1349
36	.200	.0317	.0317	.0283	.0283	.2447	.4504	.1558
37	.206	.0222	.0222	.0188	.0188	.1868	.3643	.1189
38	.211	.0128	.0128	.0094	.0094	.1042	.2012	.0695
39	.217	.0112	.0112	.0078	.0078	.1090	.1917	.0662
40	.222	.0100	.0100	.0064	.0064	.0985	.1816	.0627
41	.228	.0078	.0078	.0044	.0044	.0822	.1516	.0523
42	.233	.0061	.0061	.0027	.0027	.0573	.1055	.0365
43	.239	.0043	.0043	.0016	.0016	.0400	.0738	.0255
44	.244	.0032	.0032	.0006	.0006	.0266	.0474	.0173
45	.250	.0078	.0078	.0036	.0036	.1266	.2354	.0808
46	.256	.0072	.0072	.0037	.0037	.1544	.2855	.0986
47	.261	.0063	.0063	.0029	.0029	.1553	.2883	.0977
48	.267	.0056	.0056	.0018	.0018	.1078	.1984	.0686
49	.272	.0033	.0033	.0001	.0001	.0683	.0115	.0040
50	.278	.0018	.0018	.0000	.0000	.0000	.0000	.0000
51	.283	.0015	.0015	.0000	.0000	.0000	.0000	.0000
52	.289	.0022	.0022	.0000	.0000	.0000	.0000	.0000
53	.294	.0040	.0040	.0000	.0000	.0000	.0000	.0000
54	.300	.0040	.0040	.0000	.0000	.0000	.0000	.0000
55	.306	.0039	.0039	.0003	.0003	.0801	.1477	.0510
56	.311	.0030	.0030	.0000	.0000	.0000	.0000	.0000
57	.317	.0019	.0019	.0000	.0000	.0000	.0000	.0000
58	.322	.0031	.0031	.0000	.0000	.0057	.0105	.0036
59	.328	.0046	.0046	.0001	.0001	.0011	.0021	.0007
60	.333	.0040	.0040	.0001	.0001	.0018	.0034	.0012

SMOOTHED HINCASTING SPECTRA COMPUTED MARCH 1963
 DL108 07/4/57
 HOURS: 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60
 5.31E-07 2.34E-01 4.72E-01 7.07E-01 9.43E-01 1.18E-00 1.41E-00 1.64E-00 1.87E-00 2.10E-00 2.34E-00

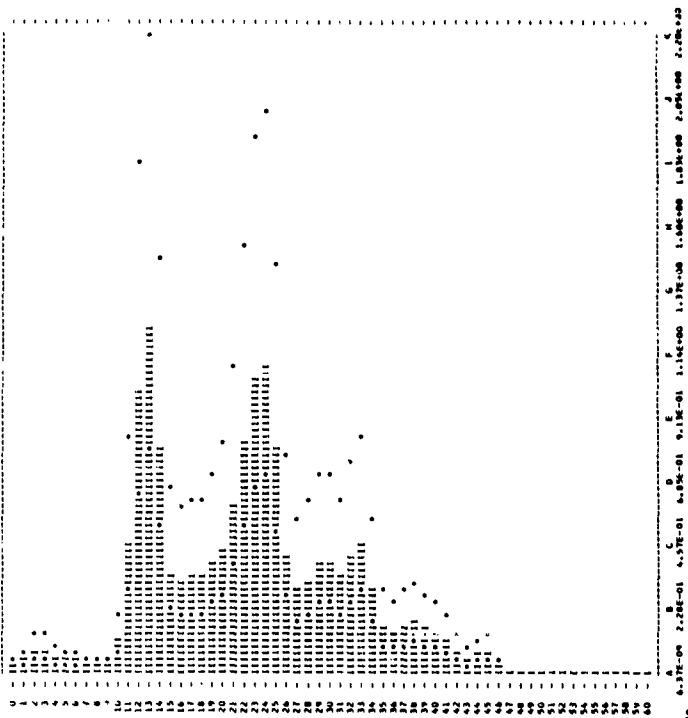


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57
 HOUR = 18
 TOTAL DF = 240
 SIG. HGT. = 18.4
 CORR. VAK. = 15.2
 NOISE LEVEL = .0043
 RECORDED = 01100
 UPPER HGT. = 18.4
 LOWER HGT. = 16.5
 WIND SPEED = 30

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0270	.0270	.0227	.0419	.0145	
1	.006	.0437	.0437	.0394	.0727	.0251	
2	.011	.0761	.0761	.0698	.1287	.0465	
3	.017	.0761	.0761	.0718	.1325	.0497	
4	.022	.0579	.0579	.0536	.0988	.0341	
5	.028	.0439	.0439	.0396	.0730	.0252	
6	.033	.0306	.0306	.0263	.0474	.0171	
7	.039	.0218	.0218	.0175	.0241	.0084	
8	.044	.0166	.0166	.0123	.0178	.0052	
9	.050	.0120	.0120	.0077	.0120	.0033	
10	.056	.0086	.0086	.0043	.0086	.0024	
11	.061	.0074	.0074	.0031	.0052	.0018	
12	.067	.0077	.0077	.0034	.0050	.0017	
13	.072	1.0768	1.0768	1.0725	1.1384	2.2826	7.884
14	.078	.0868	.0868	.0825	.0810	1.4932	5.159
15	.083	.2913	.2913	.2870	.3522	4.6508	2.649
16	.089	.2519	.2519	.2476	.3181	5.843	2.025
17	.094	.2560	.2560	.2517	.3399	6.265	2.164
18	.100	.2407	.2407	.2364	.3375	6.221	2.149
19	.106	.2553	.2553	.2510	.3814	7.029	2.428
20	.111	.2773	.2773	.2730	.4434	8.173	2.823
21	.117	.3867	.3867	.3824	.4973	1.1010	3.803
22	.122	.4428	.4428	.4385	.8257	1.5218	5.257
23	.128	.5138	.5138	.5095	1.0402	1.9172	6.623
24	.133	.4965	.4965	.4922	1.0594	2.0180	6.971
25	.139	.3407	.3407	.3364	.7548	1.4490	5.041
26	.144	.1597	.1597	.1554	.4160	7.667	2.669
27	.150	.1061	.1061	.1018	.3004	5.91	1.914
28	.156	.1053	.1053	.1010	.3306	4.393	2.105
29	.161	.1087	.1087	.1044	.3784	6.975	2.410
30	.167	.0998	.0998	.0955	.3879	7.174	2.457
31	.172	.0781	.0781	.0738	.3370	4.212	2.144
32	.178	.0832	.0832	.0789	.4064	7.490	2.584
33	.183	.0830	.0830	.0787	.4541	8.443	2.931
34	.189	.0492	.0492	.0449	.2971	5.474	1.892
35	.194	.0254	.0254	.0211	.1607	2.943	1.023
36	.200	.0194	.0194	.0151	.1123	2.438	.682
37	.206	.0200	.0200	.0157	.1559	2.874	.6993
38	.211	.0194	.0194	.0151	.174	3.233	1.117
39	.217	.0155	.0155	.0112	.1449	2.745	.678
40	.222	.0125	.0125	.0082	.1303	2.402	.6830
41	.228	.0102	.0102	.0059	.1067	1.946	.6674
42	.233	.0074	.0074	.0031	.0728	1.341	.4643
43	.239	.0055	.0055	.0012	.0502	.924	.3120
44	.244	.0047	.0047	.0004	.0460	1.216	.4620
45	.250	.0072	.0072	.0029	.0547	1.378	.4746
46	.256	.0044	.0044	.0007	.0289	.653	.2184
47	.261	.0042	.0042	.0000	.0000	.0000	.0000
48	.267	.0053	.0053	.0010	.0010	.0010	.0010
49	.272	.0071	.0071	.0025	.0025	.0025	.0025
50	.278	.0070	.0070	.0027	.0027	.0027	.0027
51	.283	.0058	.0058	.0012	.0012	.0012	.0012
52	.289	.0028	.0028	.0000	.0000	.0000	.0000
53	.294	.0042	.0042	.0000	.0000	.0000	.0000
54	.300	.0045	.0045	.0000	.0000	.0000	.0000
55	.306	.0041	.0041	.0000	.0000	.0000	.0000
56	.311	.0038	.0038	.0000	.0000	.0000	.0000
57	.317	.0044	.0044	.0000	.0000	.0000	.0000
58	.322	.0042	.0042	.0001	.0001	.0001	.0001
59	.328	.0044	.0044	.0000	.0000	.0000	.0000
60	.333	.0057	.0057	.0009	.0009	.0009	.0009

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 18
 SIG. HGT. = 18.4
 CORR. VAK. = 15.2
 NOISE LEVEL = .0043
 WIND SPEED = 30

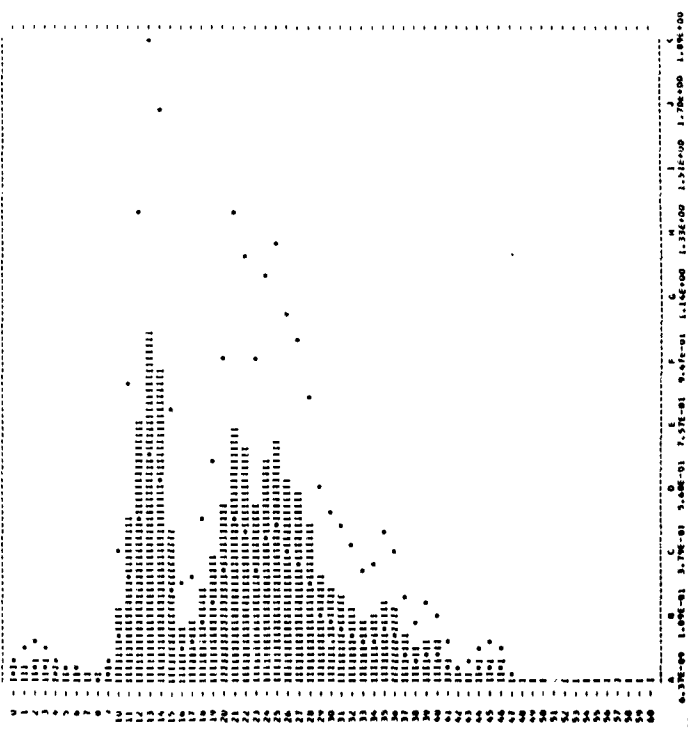


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57
 HOUR = 21
 TOTAL DF = 242
 SIG. HGT. = 14.4
 CORR. VAK. = 13.0
 NOISE LEVEL = .0036
 RECORDED = 91110
 UPPER HGT. = 15.5
 LOWER HGT. = 13.4
 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	-NOISE	CORR.FT.2	UPPER	LOWER	
0	.000	.0393	.0393	.0357	.0645	.0227	
1	.006	.0502	.0502	.0466	.0866	.0479	
2	.011	.0636	.0636	.0600	.0966	.0582	
3	.017	.0437	.0437	.0401	.0501	.0233	
4	.022	.0333	.0333	.0300	.0300	.0191	
5	.028	.0205	.0205	.0169	.0169	.0108	
6	.033	.0133	.0133	.0097	.0157	.0089	
7	.039	.0146	.0146	.0110	.0151	.0078	
8	.044	.0124	.0124	.0086	.0114	.0066	
9	.050	.0309	.0309	.0273	.0311	.0191	
10	.056	.1805	.1805	.1749	.2016	3.717	1.284
11	.061	.6275	.6275	.6189	.7130	8.718	3.012
12	.067	.6492	.6492	.6454	.7550	1.3915	4.807
13	.072	.8934	.8934	.8898	.9274	1.8937	6.942
14	.078	.7745	.7745	.7729	.8174	1.4909	5.842
15	.083	.3540	.3540	.3504	.4311	7.946	2.745
16	.089	.1196	.1196	.1162	.1492	2.751	.9950
17	.094	.1298	.1298	.1262	.1480	3.061	1.051
18	.100	.1867	.1867	.1831	.2014	4.818	1.664
19	.106	.2366	.2366	.2310	.2509	4.468	2.235
20	.111	.3210	.3210	.3174	.3355	4.901	3.822
21	.117	.4312	.4312	.4276	.4559	1.3748	4.749
22	.122	.3648	.3648	.3612	.4001	1.2536	4.330
23	.128	.2570	.2570	.2534	.3173	4.935	3.296
24	.133	.2943	.2943	.2907	.4466	1.1918	4.117
25	.139	.2910	.2910	.2874	.4998	1.2498	4.454
26	.144	.2237	.2237	.2201	.3841	1.0858	3.751
27	.150	.1871	.1871	.1835	.3417	4.985	3.449
28	.156	.1410	.1410	.1374	.3496	.8287	2.863
29	.161	.0880	.0880	.0844	.3073	3.644	1.957
30	.167	.0480	.0480	.0444	.2622	.4832	1.669
31	.172	.0578	.0578	.0542	.2474	.6540	1.975
32	.178	.0496	.0496	.0460	.2162	.3885	1.377
33	.183	.0345	.0345	.0309	.1748	.3313	1.145
34	.189	.0311	.0311	.0275	.1818	.3351	1.158
35	.194	.0348	.0348	.0312	.2109	3.148	1.028
36	.200	.0249	.0249	.0213	.2011	.3707	1.281
37	.206	.0171	.0171	.0135	.1338	.2466	.6852
38	.211	.0118	.0118	.0082	.0949	1.149	.4009
39	.217	.0124	.0124	.0088	.1143	2.194	.6780
40	.222	.0118	.0118	.0082	.1079	1.988	.6487
41	.228	.0082	.0082	.0046	.0811	1.424	.4189
42	.233	.0036	.0036	.0000	.0215	.0394	.0137
43	.239	.0047	.0047	.0010	.0274	.0477	.0145
44	.244	.0034	.0034	.0003	.0484	.9902	.312
45	.250	.0056	.0056	.0019	.0650	1.194	.4514
46	.256	.0053	.0053	.0013	.0576	1.124	.4354
47	.261	.0036	.0036	.0007	.0047	.0107	.0313
48	.267	.0024	.0024	.0000	.0000	.0000	.0000
49	.272	.0035	.0035	.0000	.0013	.0023	.0008
50	.278	.0051	.0051	.0001	.0011	.0020	.0004
51	.283	.0050	.0050	.0010	.0010	.0018	.0006
52	.289	.0033	.0033	.0007	.0000	.0000	.0000
53	.294	.0027	.0027	.0000	.0000	.0000	.0000
54	.300	.0028	.0028	.0000	.0000	.0000	.0000
55	.306	.0032	.0032	.0000	.0000	.0000	.0000
56	.311	.0033	.0033	.0000	.0000	.0000	.0000
57	.317	.0034	.0034	.0001	.0001	.0002	.0001
58	.322	.0047	.0047	.0007	.0007	.0013	.0009
59	.328	.0044	.0044	.0009	.0009	.0011	.0009
60	.333	.0051	.0051	.0002	.0002	.0004	.0001

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR = 21
 SIG. HGT. = 14.4
 CORR. VAK. = 13.0
 NOISE LEVEL = .0036
 WIND SPEED = 25

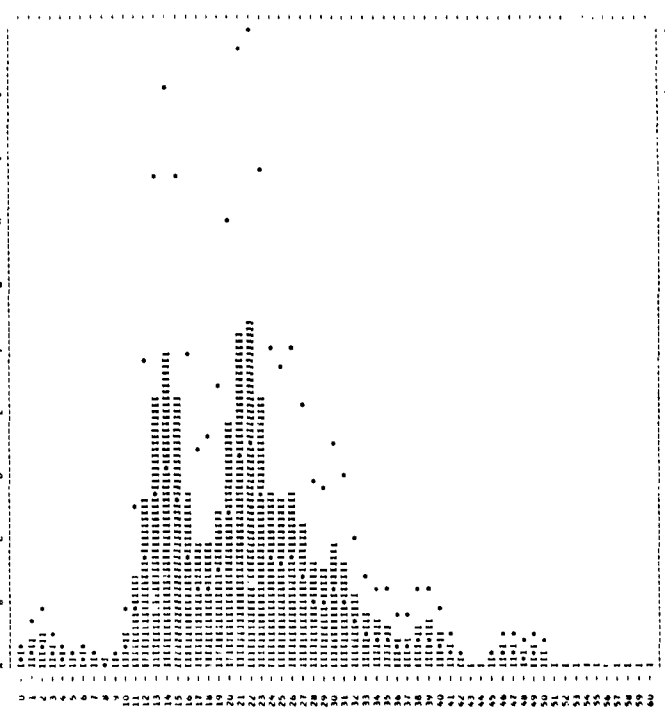


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 6/ 4/57 Av. T = 7.4 RECORD = DL11
 HOUR = 0 SIG. MGT. = 15.9 UPPER MGT. = 17.1
 TOTAL DF = 235 CORR. VAR. = 15.7 LOWER MGT. = 14.7
 NOISE LEVEL = .0031 WIND SPEED = 20

M	PRE. UNIT	FT.2 FILTERED	NOISE	CORR. FT.2	UPPER	LOWER		
0	.000	.0422	.0422	.0391	.0391	.0721	.0249	
1	.006	.0876	.0876	.0865	.0865	.1557	.0539	
2	.011	.1349	.1349	.1314	.1314	.2393	.0709	
3	.017	.0865	.0865	.0814	.0814	.132	.0391	
4	.022	.0362	.0362	.0331	.0331	.10	.0211	
5	.028	.0219	.0219	.0208	.0208	.0351	.0183	
6	.033	.0236	.0236	.0205	.0205	.10	.0111	
7	.039	.0185	.0185	.0154	.0154	.0212	.0390	.0135
8	.044	.0184	.0184	.0155	.0155	.0168	.0311	.0107
9	.050	.0218	.0218	.0187	.0187	.0220	.0405	.0140
10	.056	.0928	.0928	.0897	.0897	.1022	.1884	.0651
11	.061	.2651	.2651	.2520	.2520	.2958	.5432	.1884
12	.067	.5077	.5077	.486	.486	.5724	1.0549	.3644
13	.072	.7956	.7956	.7623	.7623	.9151	1.6867	.5827
14	.078	.9114	.9114	.8688	.8688	1.0787	1.9883	.6769
15	.083	.7413	.7413	.7382	.7382	.9083	1.6741	.5783
16	.089	.4565	.4565	.4534	.4534	.5824	1.0734	.3708
17	.094	.3055	.3055	.3024	.3024	.4084	.7527	.2800
18	.100	.3010	.3010	.2979	.2979	.4253	.7839	.2708
19	.106	.3440	.3440	.3409	.3409	.5178	.9546	.3288
20	.111	.3125	.3125	.3094	.3094	.4273	.8248	.3288
21	.117	.6590	.6590	.6559	.6559	1.1441	2.1088	.7285
22	.122	.6322	.6322	.6291	.6291	1.1945	2.1831	.7842
23	.128	.4534	.4534	.4503	.4503	.6193	.9193	.3288
24	.133	.2703	.2703	.2672	.2672	.3463	1.0954	.3784
25	.139	.2338	.2338	.2307	.2307	.3017	1.0353	.3577
26	.144	.2257	.2257	.2226	.2226	.2958	.9981	.3784
27	.150	.1868	.1868	.1837	.1837	.2433	.8908	.3077
28	.156	.1088	.1088	.1057	.1057	.1349	.4375	.2202
29	.161	.0944	.0944	.0913	.0913	.1239	.3532	.212
30	.167	.1044	.1044	.1013	.1013	.132	.3614	.2631
31	.172	.0818	.0818	.0787	.0787	.1049	.4622	.2288
32	.178	.0942	.0942	.0911	.0911	.124	.3532	.288
33	.183	.0323	.0323	.0292	.0292	.1699	.3131	.1082
34	.189	.0249	.0249	.0218	.0218	.1441	.2657	.0918
35	.194	.0212	.0212	.0181	.0181	.134	.284	.084
36	.200	.0141	.0141	.0110	.0110	.0949	.1750	.0604
37	.206	.0128	.0128	.0097	.0097	.1172	.1812	.0612
38	.211	.0125	.0125	.0094	.0094	.1419	.1812	.0612
39	.217	.0139	.0139	.0108	.0108	.1432	.1812	.0612
40	.222	.0099	.0099	.0068	.0068	.1084	.1960	.0677
41	.228	.0083	.0083	.0052	.0052	.0824	.1481	.0503
42	.233	.0039	.0039	.0008	.0008	.0242	.0445	.0154
43	.239	.0029	.0029	.0000	.0000	.0005	.0009	.0003
44	.244	.0018	.0018	.0000	.0000	.0000	.0000	.0000
45	.250	.0038	.0038	.0008	.0008	.0277	.0510	.0178
46	.256	.0052	.0052	.0015	.0015	.0840	.1180	.0408
47	.261	.0044	.0044	.0014	.0014	.0644	.1181	.0408
48	.267	.0034	.0034	.0008	.0008	.0502	.0926	.0320
49	.272	.0042	.0042	.0009	.0009	.0622	.1147	.0396
50	.278	.0039	.0039	.0009	.0009	.05950	.1049	.0378
51	.283	.0028	.0028	.0000	.0000	.0000	.0000	.0000
52	.289	.0022	.0022	.0000	.0000	.0000	.0000	.0000
53	.294	.0028	.0028	.0007	.0007	.0000	.0000	.0000
54	.300	.0035	.0035	.0000	.0000	.0039	.0071	.0025
55	.306	.0028	.0028	.0000	.0000	.0000	.0000	.0000
56	.311	.0023	.0023	.0000	.0000	.0000	.0000	.0000
57	.317	.0028	.0028	.0000	.0000	.0000	.0000	.0000
58	.322	.0036	.0036	.0004	.0004	.0004	.0007	.0003
59	.328	.0040	.0040	.0009	.0009	.0004	.0015	.0005
60	.333	.0041	.0041	.0009	.0009	.0009	.0017	.0006

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR: 0 AVERAGE: .00000000
 1.0E+00 2.1E+01 4.1E+01 6.1E+01 8.1E+01 1.0E+02 1.1E+02 1.3E+02 1.5E+02 1.7E+02 1.9E+02 2.1E+02 2.3E+02 2.5E+02 2.7E+02 2.9E+02 3.1E+02 3.3E+02 3.5E+02 3.7E+02 3.9E+02 4.1E+02 4.3E+02 4.5E+02 4.7E+02 4.9E+02 5.1E+02 5.3E+02 5.5E+02 5.7E+02 5.9E+02 6.1E+02 6.3E+02 6.5E+02 6.7E+02 6.9E+02 7.1E+02 7.3E+02 7.5E+02 7.7E+02 7.9E+02 8.1E+02 8.3E+02 8.5E+02 8.7E+02 8.9E+02 9.1E+02 9.3E+02 9.5E+02 9.7E+02 9.9E+02 1.0E+03

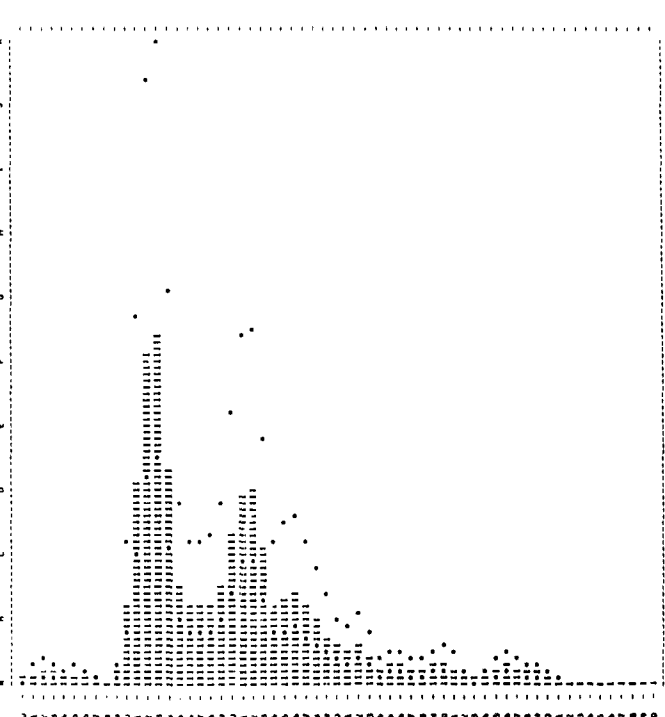


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/ 4/57 Av. T = 8.4 RECORD = DL12
 HOUR = 3 SIG. MGT. = 16.3 UPPER MGT. = 17.7
 TOTAL DF = 192 CORR. VAR. = 16.1 LOWER MGT. = 15.0
 NOISE LEVEL = .0031 WIND SPEED = 25

M	PRE. UNIT	FT.2 FILTERED	NOISE	CORR. FT.2	UPPER	LOWER		
0	.000	.0215	.0215	.0183	.0183	.0338	.0117	
1	.006	.0515	.0515	.0483	.0483	.0891	.0308	
2	.011	.0717	.0717	.0685	.0685	.1314	.0479	
3	.017	.0543	.0543	.0511	.0511	.0943	.0326	
4	.022	.0463	.0463	.0431	.0431	.0795	.0275	
5	.028	.0517	.0517	.0485	.0485	.0885	.0309	
6	.033	.0297	.0297	.0265	.0265	.0429	.0241	
7	.039	.0136	.0136	.0104	.0104	.0144	.0265	.0091
8	.044	.0087	.0087	.0055	.0055	.0067	.0116	.0040
9	.050	.0488	.0488	.0456	.0456	.0736	.0988	.0341
10	.056	.3613	.3613	.3601	.3601	.4109	.7367	.2614
11	.061	.9404	.9404	.9372	.9372	1.0842	1.909	.6748
12	.067	1.4336	1.4336	1.4304	1.4304	1.7360	3.1997	1.1054
13	.072	1.6044	1.6044	1.6012	1.6012	1.8440	3.4079	1.1793
14	.078	.9457	.9457	.9425	.9425	1.1188	2.0641	.7124
15	.083	.4702	.4702	.4670	.4670	.5131	.9458	.3267
16	.089	.3734	.3734	.3702	.3702	.4114	.7382	.2619
17	.094	.3684	.3684	.3652	.3652	.4122	.7382	.2619
18	.100	.2462	.2462	.2430	.2430	.2844	.5112	.2064
19	.106	.1849	.1849	.1817	.1817	.2207	.3998	.1516
20	.111	.1604	.1604	.1572	.1572	.1795	.3426	.1435
21	.117	.5747	.5747	.5715	.5715	.6970	1.2376	.4348
22	.122	.5446	.5446	.5414	.5414	1.0213	1.8825	.6503
23	.128	.3908	.3908	.3876	.3876	.4593	.8074	.2917
24	.133	.1843	.1843	.1811	.1811	.2029	.2627	.1040
25	.139	.1897	.1897	.1865	.1865	.2442	.3372	.1292
26	.144	.1850	.1850	.1818	.1818	.2467	.3471	.1304
27	.150	.1391	.1391	.1359	.1359	.1604	.2398	.0940
28	.156	.1050	.1050	.1018	.1018	.1233	.1643	.0722
29	.161	.0736	.0736	.0704	.0704	.0868	.1468	.0520
30	.167	.0493	.0493	.0461	.0461	.0579	.0803	.0340
31	.172	.0411	.0411	.0379	.0379	.0475	.0719	.0281
32	.178	.0434	.0434	.0402	.0402	.0503	.0748	.0304
33	.183	.0278	.0278	.0246	.0246	.0344	.0484	.0183
34	.189	.0144	.0144	.0112	.0112	.0174	.0271	.0094
35	.194	.0133	.0133	.0101	.0101	.0168	.0268	.0093
36	.200	.0133	.0133	.0101	.0101	.0176	.0276	.0095
37	.206	.0103	.0103	.0071	.0071	.0107	.01307	.0051
38	.211	.0101	.0101	.0069	.0069	.0105	.0148	.00527
39	.217	.0108	.0108	.0076	.0076	.0105	.0171	.0046
40	.222	.0105	.0105	.0073	.0073	.0105	.0172	.00465
41	.228	.0078	.0078	.0046	.0046	.0053	.0075	.00310
42	.233	.0048	.0048	.0016	.0016	.0024	.0037	.001274
43	.239	.0034	.0034	.0008	.0008	.0011	.0019	.00061
44	.244	.0044	.0044	.0013	.0013	.0017	.0020	.00068
45	.250	.0054	.0054	.0018	.0018	.0023	.0027	.00085
46	.256	.0066	.0066	.0022	.0022	.0027	.0030	.00097
47	.261	.0044	.0044	.0013	.0013	.0017	.0020	.00068
48	.267	.0039	.0039	.0010	.0010	.0014	.0018	.000574
49	.272	.0040	.0040	.0010	.0010	.0014	.0018	.000574
50	.278	.0039	.0039	.0010	.0010	.0014	.0018	.000574
51	.283	.0024	.0024	.0001	.0001	.0001	.0002	.000084
52	.289	.0034	.0034	.0007	.0007	.0009	.0011	.00005
53	.294	.0045	.0045	.0013	.0013	.0017	.0021	.00008
54	.300	.0047	.0047	.0014	.0014	.0018	.0022	.000084
55	.306	.0031	.0031	.0004	.0004	.0006	.0008	.00002
56	.311	.0030	.0030	.0000	.0000	.0000	.0000	.00000
57	.317	.0028	.0028	.0000	.0000	.0000	.0000	.00000
58	.322	.0023	.0023	.0000	.0000	.0000	.0000	.00000
59	.328	.0018	.0018	.0000	.0000	.0000	.0000	.00000
60	.333	.0014	.0014	.0000	.0000	.0000	.0000	.00000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR: 3 AVERAGE: .00000000
 1.0E+00 1.1E+01 1.2E+01 1.3E+01 1.4E+01 1.5E+01 1.6E+01 1.7E+01 1.8E+01 1.9E+01 2.0E+01 2.1E+01 2.2E+01 2.3E+01 2.4E+01 2.5E+01 2.6E+01 2.7E+01 2.8E+01 2.9E+01 3.0E+01 3.1E+01 3.2E+01 3.3E+01 3.4E+01 3.5E+01 3.6E+01 3.7E+01 3.8E+01 3.9E+01 4.0E+01 4.1E+01 4.2E+01 4.3E+01 4.4E+01 4.5E+01 4.6E+01 4.7E+01 4.8E+01 4.9E+01 5.0E+01 5.1E+01 5.2E+01 5.3E+01 5.4E+01 5.5E+01 5.6E+01 5.7E+01 5.8E+01 5.9E+01 6.0E+01 6.1E+01 6.2E+01 6.3E+01 6.4E+01 6.5E+01 6.6E+01 6.7E+01 6.8E+01 6.9E+01 7.0E+01 7.1E+01 7.2E+01 7.3E+01 7.4E+01 7.5E+01 7.6E+01 7.7E+01 7.8E+01 7.9E+01 8.0E+01 8.1E+01 8.2E+01 8.3E+01 8.4E+01 8.5E+01 8.6E+01 8.7E+01 8.8E+01 8.9E+01 9.0E+01 9.1E+01 9.2E+01 9.3E+01 9.4E+01 9.5E+01 9.6E+01 9.7E+01 9.8E+01 9.9E+01 1.0E+02

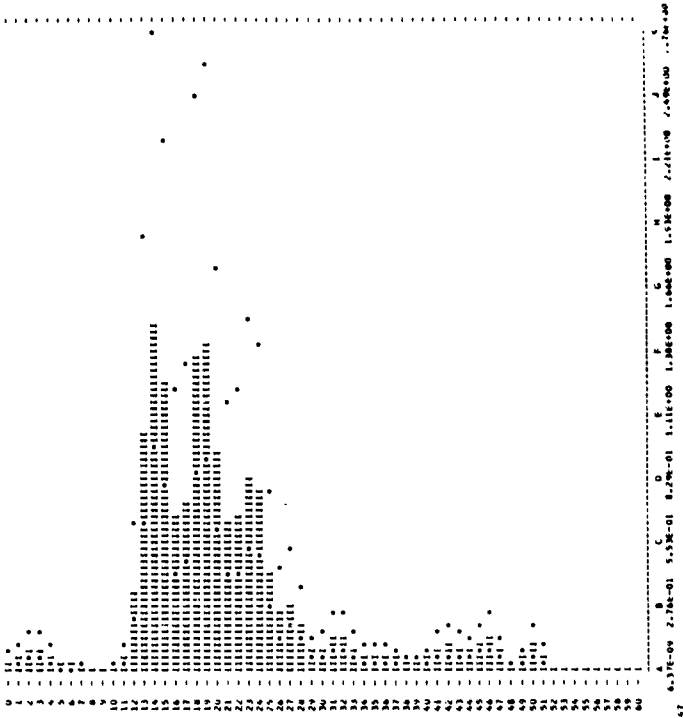


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/4/57 AV. T = 8.1 RECORD = DL113
 HOUR = 12 SIG.MGT. = 15.7 UPPER MGT. = 17.1
 TOTAL DF = 170 CORR. VAR. = 15.4 LOWER MGT. = 14.4
 NOISE LEVEL = .0020 WIND SPEED = 25

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.F1.1	UPPER	LOWER
0	.000	.0307	.0307	.0377	.0695	.0240
1	.006	.0547	.0547	.0527	.0971	.0336
2	.011	.0861	.0861	.084	.1350	.0535
3	.017	.0971	.0971	.0951	.175	.0695
4	.022	.0605	.0605	.0585	.1078	.0372
5	.028	.0200	.0200	.0180	.0332	.0115
6	.033	.0120	.0120	.0100	.0161	.0058
7	.039	.0102	.0102	.0082	.0113	.0072
8	.044	.0078	.0078	.0058	.0072	.0044
9	.050	.0057	.0057	.0037	.0043	.0028
10	.056	.0134	.0134	.0114	.0130	.0039
11	.061	.0553	.0553	.0533	.1109	.0383
12	.067	.3053	.3053	.3033	.3440	.0861
13	.072	.8794	.8794	.8774	1.0131	1.8673
14	.078	1.2652	1.2652	1.2632	1.4994	2.7636
15	.083	1.0136	1.0136	1.0116	1.2447	2.2941
16	.089	.5132	.5132	.5112	.6366	1.2103
17	.094	.5331	.5331	.5311	.6572	1.2219
18	.100	.9442	.9442	.9422	1.1452	2.4793
19	.106	.9361	.9361	.9341	1.1492	2.4157
20	.111	.5355	.5355	.5335	.6677	1.2447
21	.117	.3638	.3638	.3618	.4311	1.032
22	.122	.3527	.3527	.3507	.4203	1.2170
23	.128	.4080	.4080	.4060	.4288	1.2277
24	.133	.3478	.3478	.3458	.3643	1.4086
25	.139	.1748	.1748	.1728	.2207	.7755
26	.144	.0902	.0902	.0882	.1240	.4331
27	.150	.0880	.0880	.0860	.1034	.5213
28	.156	.0627	.0627	.0607	.0786	.3661
29	.161	.0238	.0238	.0218	.0278	.1443
30	.167	.0235	.0235	.0215	.0275	.1613
31	.172	.0312	.0312	.0292	.3333	.2456
32	.178	.0296	.0296	.0276	.3421	.2619
33	.184	.0183	.0183	.0163	.0948	.1747
34	.189	.0110	.0110	.0090	.0585	.1094
35	.194	.0100	.0100	.0080	.0602	.1110
36	.200	.0083	.0083	.0063	.0543	.1004
37	.206	.0057	.0057	.0037	.0465	.0858
38	.211	.0052	.0052	.0032	.0365	.0674
39	.217	.0040	.0040	.0020	.0284	.0517
40	.222	.0047	.0047	.0027	.0485	.0893
41	.228	.0072	.0072	.0052	.0850	.1546
42	.233	.0078	.0078	.0058	.1078	.1947
43	.239	.0052	.0052	.0032	.0874	.1610
44	.244	.0039	.0039	.0019	.0761	.1403
45	.250	.0054	.0054	.0034	.0814	.1696
46	.256	.0059	.0059	.0039	.1303	.2401
47	.261	.0034	.0034	.0014	.0757	.1386
48	.267	.0014	.0014	.0004	.0211	.0073
49	.272	.0026	.0026	.0006	.0424	.0781
50	.278	.0038	.0038	.0018	.1023	.1903
51	.283	.0026	.0026	.0006	.0823	.1448
52	.289	.0014	.0014	.0004	.0000	.0000
53	.294	.0018	.0018	.0000	.0000	.0000
54	.300	.0025	.0025	.0000	.0000	.0000
55	.306	.0027	.0027	.0007	.0014	.0005
56	.311	.0031	.0031	.0010	.0010	.0008
57	.317	.0030	.0030	.0000	.0000	.0004
58	.322	.0014	.0014	.0000	.0000	.0000
59	.328	.0008	.0008	.0000	.0000	.0000
60	.333	.0007	.0008	.0000	.0000	.0000

SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
 HOUR=12
 DATE=7/4/57
 TIME=12:00
 WIND=25
 CORR.VAR.=15.4
 SIG.MGT.=15.7
 UPPER.MGT.=17.1
 LOWER.MGT.=14.4
 NOISE LEVEL=.0020

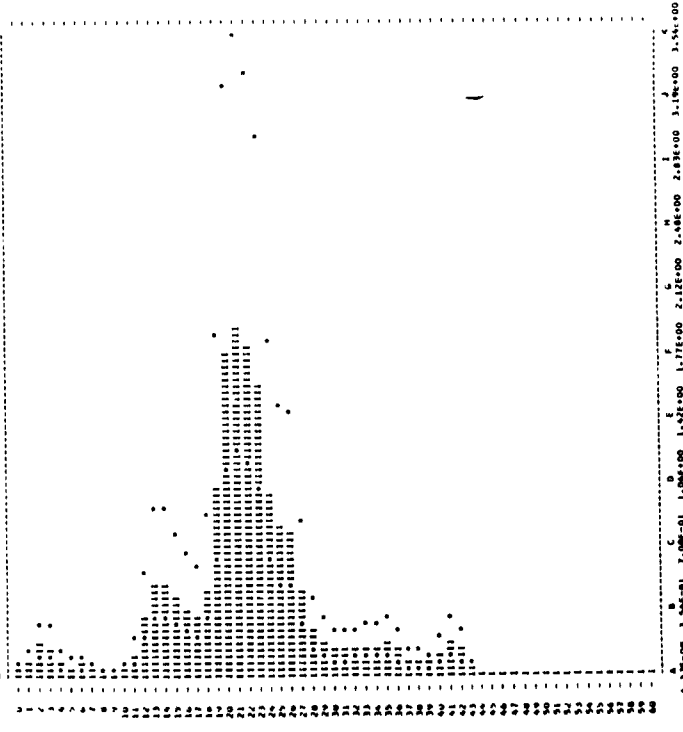


SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 7/4/57 AV. T = 7.9 RECORD = DL114
 HOUR = 18 SIG.MGT. = 16.5 UPPER MGT. = 18.1
 TOTAL DF = 162 CORR. VAR. = 17.0 LOWER MGT. = 15.1
 NOISE LEVEL = .0040 WIND SPEED = 30

H	FREQ. UNIT=FT.2	FILTERED	NOISE	CORR.F1.2	UPPER	LOWER
0	.000	.0443	.0443	.0383	.0706	.0244
1	.006	.0411	.0411	.0351	.0508	.0292
2	.011	.1075	.1075	.1055	.1445	.0276
3	.017	.1340	.1340	.1320	.1800	.0277
4	.022	.0863	.0863	.0803	.1490	.0511
5	.028	.0554	.0554	.0494	.0846	.0310
6	.033	.0438	.0438	.0378	.0610	.0325
7	.039	.0284	.0284	.0224	.0314	.0279
8	.044	.0148	.0148	.0088	.0108	.0202
9	.050	.0187	.0187	.0127	.0149	.0275
10	.056	.0140	.0140	.0080	.0119	.0288
11	.061	.1032	.1032	.1012	.1097	.0202
12	.067	.2792	.2792	.2772	.3098	.5711
13	.072	.4394	.4394	.4374	.5004	.9274
14	.078	.4271	.4271	.4251	.4998	.9212
15	.083	.3700	.3700	.3680	.4294	.7734
16	.089	.2401	.2401	.2381	.2849	.6723
17	.094	.2465	.2465	.2445	.2720	.5336
18	.100	.3322	.3322	.3302	.3778	.6719
19	.106	.4616	.4616	.4596	1.0284	1.8218
20	.111	1.0479	1.0479	1.0459	1.7733	3.2885
21	.117	1.1072	1.1072	1.1052	1.9208	3.4605
22	.122	.9471	.9471	.9451	1.8045	3.3392
23	.128	.7472	.7472	.7452	1.6050	2.9582
24	.133	.6275	.6275	.6255	.9811	1.8306
25	.139	.3338	.3338	.3278	.7881	1.4710
26	.144	.3013	.3013	.2953	.7901	1.4587
27	.150	.1594	.1594	.1534	.4531	.8352
28	.156	.0749	.0749	.0709	.2320	.4275
29	.161	.0545	.0545	.0485	.1705	.3276
30	.167	.0397	.0397	.0337	.1171	.2527
31	.172	.0350	.0350	.0290	.1143	.2439
32	.178	.0337	.0337	.0277	.1425	.2627
33	.183	.0311	.0311	.0251	.1874	.2940
34	.189	.0243	.0243	.0203	.1740	.2838
35	.194	.0301	.0301	.0241	.1815	.2948
36	.200	.0213	.0213	.0153	.1314	.2132
37	.206	.0136	.0136	.0076	.0752	.1385
38	.211	.0130	.0130	.0070	.0749	.1473
39	.217	.0110	.0110	.0050	.0641	.1218
40	.222	.0133	.0133	.0078	.1194	.2205
41	.228	.0175	.0175	.0115	.1458	.2656
42	.233	.0126	.0126	.0066	.1135	.2124
43	.239	.0083	.0083	.0023	.0473	.0872
44	.244	.0085	.0082	.0022	.0045	.0084
45	.250	.0094	.0094	.0030	.0000	.0000
46	.256	.0045	.0045	.0000	.0000	.0000
47	.261	.0047	.0047	.0007	.0007	.0012
48	.267	.0082	.0077	.0007	.0017	.0031
49	.272	.0045	.0045	.0007	.0017	.0031
50	.278	.0075	.0077	.0017	.0017	.0031
51	.283	.0082	.0085	.0025	.0025	.0041
52	.289	.0098	.0092	.0032	.0032	.0054
53	.294	.0090	.0086	.0025	.0025	.0047
54	.300	.0064	.0064	.0000	.0000	.0000
55	.306	.0031	.0031	.0000	.0000	.0000
56	.311	.0042	.0041	.0000	.0000	.0000
57	.317	.0033	.0038	.0000	.0000	.0000
58	.322	.0044	.0044	.0000	.0000	.0000
59	.328	.0031	.0048	.0000	.0000	.0000
60	.333	.0047	.0049	.0000	.0000	.0000

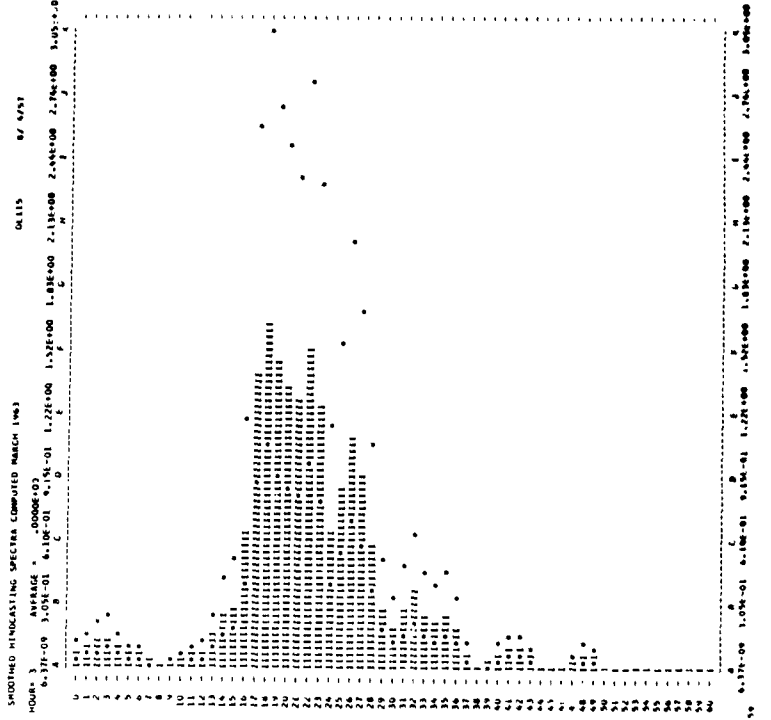
SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963
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 DATE=7/4/57
 TIME=18:00
 WIND=30
 CORR.VAR.=17.0
 SIG.MGT.=16.5
 UPPER.MGT.=18.1
 LOWER.MGT.=15.1
 NOISE LEVEL=.0040



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/4/57 AV. T = 7.7 RECORD = DL119
 HOUR = 12 SIG. HGT. = 17.2 UPPER HGT. = 18.8
 TOTAL DF = 122 CORR. VARI. = 18.8 LOWER HGT. = 15.8
 NOISE LEVEL = .0046 WIND SPEED = 30

M	FREQ.	UNIT	FT. 1.2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000							
1	.009		.0667	.0667	.0621	.0621	.1144	.0345
2	.011		.1234	.1234	.1188	.1188	.2189	.0736
3	.012		.1851	.1851	.1795	.1795	.3383	.0823
4	.012		.2468	.2468	.2402	.2402	.4680	.0921
5	.028		.3085	.3085	.3000	.3000	.6071	.0318
7	.030		.3702	.3702	.3617	.3617	.7568	.0385
8	.044		.4319	.4319	.4234	.4234	.9065	.0125
10	.058		.4936	.4936	.4851	.4851	.1062	.0061
12	.062		.5553	.5553	.5468	.5468	.2159	.0189
13	.072		.6170	.6170	.6085	.6085	.3256	.0487
14	.078		.6787	.6787	.6702	.6702	.4353	.1508
15	.082		.7404	.7404	.7319	.7319	.5450	.1828
16	.089		.8021	.8021	.7936	.7936	.6547	.2408
17	.094		.8638	.8638	.8553	.8553	.7644	.3282
18	.100		.9255	.9255	.9170	.9170	.8741	.4481
19	.100		.9872	.9872	.9787	.9787	.9838	.6080
20	.111		1.0489	1.0489	1.0404	1.0404	1.0935	.8079
21	.117		1.1106	1.1106	1.1021	1.1021	1.1932	.1049
22	.122		1.1723	1.1723	1.1638	1.1638	1.2929	.2146
23	.128		1.2340	1.2340	1.2255	1.2255	1.3926	.3243
24	.133		1.2957	1.2957	1.2872	1.2872	1.4923	.4340
25	.139		1.3574	1.3574	1.3489	1.3489	1.5920	.5437
26	.144		1.4191	1.4191	1.4106	1.4106	1.6917	.6534
27	.150		1.4808	1.4808	1.4723	1.4723	1.7914	.7631
28	.156		1.5425	1.5425	1.5340	1.5340	1.8911	.8728
29	.161		1.6042	1.6042	1.5957	1.5957	1.9908	.9825
30	.167		1.6659	1.6659	1.6574	1.6574	2.0905	1.0922
31	.172		1.7276	1.7276	1.7191	1.7191	2.1902	1.2019
32	.178		1.7893	1.7893	1.7808	1.7808	2.2899	1.3116
33	.183		1.8510	1.8510	1.8425	1.8425	2.3896	1.4213
34	.189		1.9127	1.9127	1.9042	1.9042	2.4893	1.5310
35	.194		1.9744	1.9744	1.9659	1.9659	2.5890	1.6407
36	.200		2.0361	2.0361	2.0276	2.0276	2.6887	1.7504
37	.206		2.0978	2.0978	2.0893	2.0893	2.7884	1.8601
38	.211		2.1595	2.1595	2.1510	2.1510	2.8881	1.9698
39	.217		2.2212	2.2212	2.2127	2.2127	2.9878	2.0795
40	.222		2.2829	2.2829	2.2744	2.2744	3.0875	2.1892
41	.228		2.3446	2.3446	2.3361	2.3361	3.1872	2.2989
42	.233		2.4063	2.4063	2.3978	2.3978	3.2869	2.4086
43	.239		2.4680	2.4680	2.4595	2.4595	3.3866	2.5183
44	.244		2.5297	2.5297	2.5212	2.5212	3.4863	2.6280
45	.250		2.5914	2.5914	2.5829	2.5829	3.5860	2.7377
46	.256		2.6531	2.6531	2.6446	2.6446	3.6857	2.8474
47	.261		2.7148	2.7148	2.7063	2.7063	3.7854	2.9571
48	.267		2.7765	2.7765	2.7680	2.7680	3.8851	3.0668
49	.272		2.8382	2.8382	2.8297	2.8297	3.9848	3.1765
50	.278		2.9000	2.9000	2.8915	2.8915	4.0845	3.2862
51	.283		2.9617	2.9617	2.9532	2.9532	4.1842	3.3959
52	.289		3.0234	3.0234	3.0149	3.0149	4.2839	3.5056
53	.294		3.0851	3.0851	3.0766	3.0766	4.3836	3.6153
54	.300		3.1468	3.1468	3.1383	3.1383	4.4833	3.7250
55	.306		3.2085	3.2085	3.2000	3.2000	4.5830	3.8347
56	.311		3.2702	3.2702	3.2617	3.2617	4.6827	3.9444
57	.317		3.3319	3.3319	3.3234	3.3234	4.7824	4.0541
58	.322		3.3936	3.3936	3.3851	3.3851	4.8821	4.1638
59	.328		3.4553	3.4553	3.4468	3.4468	4.9818	4.2735
60	.333		3.5170	3.5170	3.5085	3.5085	5.0815	4.3832



SMOOTHED HINDCASTING SPECTRA COMPUTED MARCH 1963

DATE = 8/4/57 AV. T = 6.7 RECORD = DL118
 HOUR = 12 SIG. HGT. = 11.2 UPPER HGT. = 12.0
 TOTAL DF = 244 CORR. VARI. = 7.1 LOWER HGT. = 10.4
 NOISE LEVEL = .0024 WIND SPEED = 30

M	FREQ.	UNIT	FT. 1.2	FILTERED	-NOISE	CORR. FT. 2	UPPER	LOWER
0	.000							
1	.006		.0126	.0126	.0101	.0101	.0187	.0065
2	.011		.0252	.0252	.0203	.0203	.0374	.0131
3	.017		.0378	.0378	.0303	.0303	.0563	.0197
4	.022		.0504	.0504	.0402	.0402	.0752	.0263
5	.028		.0630	.0630	.0503	.0503	.0941	.0329
6	.033		.0756	.0756	.0602	.0602	.1130	.0395
7	.039		.0882	.0882	.0701	.0701	.1319	.0461
8	.044		.1008	.1008	.0800	.0800	.1508	.0527
9	.050		.1134	.1134	.0921	.0921	.1697	.0593
10	.056		.1260	.1260	.1042	.1042	.1886	.0659
11	.061		.1386	.1386	.1163	.1163	.2075	.0725
12	.067		.1512	.1512	.1284	.1284	.2264	.0791
13	.072		.1638	.1638	.1405	.1405	.2453	.0857
14	.078		.1764	.1764	.1526	.1526	.2642	.0923
15	.083		.1890	.1890	.1647	.1647	.2831	.0989
16	.089		.2016	.2016	.1768	.1768	.3020	.1055
17	.094		.2142	.2142	.1889	.1889	.3209	.1121
18	.100		.2268	.2268	.2010	.2010	.3398	.1187
19	.106		.2394	.2394	.2131	.2131	.3587	.1253
20	.111		.2520	.2520	.2252	.2252	.3776	.1319
21	.117		.2646	.2646	.2373	.2373	.3965	.1385
22	.122		.2772	.2772	.2494	.2494	.4154	.1451
23	.128		.2898	.2898	.2615	.2615	.4343	.1517
24	.133		.3024	.3024	.2736	.2736	.4532	.1583
25	.139		.3150	.3150	.2857	.2857	.4721	.1649
26	.144		.3276	.3276	.2978	.2978	.4910	.1715
27	.150		.3402	.3402	.3099	.3099	.5099	.1781
28	.156		.3528	.3528	.3220	.3220	.5288	.1847
29	.161		.3654	.3654	.3341	.3341	.5477	.1913
30	.167		.3780	.3780	.3462	.3462	.5666	.1979
31	.172		.3906	.3906	.3583	.3583	.5855	.2045
32	.178		.4032	.4032	.3704	.3704	.6044	.2111
33	.183		.4158	.4158	.3825	.3825	.6233	.2177
34	.189		.4284	.4284	.3946	.3946	.6422	.2243
35	.194		.4410	.4410	.4067	.4067	.6611	.2309
36	.200		.4536	.4536	.4188	.4188	.6800	.2375
37	.206		.4662	.4662	.4309	.4309	.6989	.2441
38	.211		.4788	.4788	.4430	.4430	.7178	.2507
39	.217		.4914	.4914	.4551	.4551	.7367	.2573
40	.222		.5040	.5040	.4672	.4672	.7556	.2639
41	.228		.5166	.5166	.4793	.4793	.7745	.2705
42	.233		.5292	.5292	.4914	.4914	.7934	.2771
43	.239		.5418	.5418	.5035	.5035	.8123	.2837
44	.244		.5544	.5544	.5156	.5156	.8312	.2903
45	.250		.5670	.5670	.5277	.5277	.8501	.2969
46	.256		.5796	.5796	.5398	.5398	.8690	.3035
47	.261		.5922	.5922	.5519	.5519	.8879	.3101
48	.267		.6048	.6048	.5640	.5640	.9068	.3167
49	.272		.6174	.6174	.5761	.5761	.9257	.3233
50	.278		.6300	.6300	.5882	.5882	.9446	.3299
51	.283		.6426	.6426	.6003	.6003	.9635	.3365
52	.289		.6552	.6552	.6124	.6124	.9824	.3431
53	.294		.6678	.6678	.6245	.6245	.1013	.3497
54	.300		.6804	.6804	.6366	.6366	.1202	.3563
55	.306		.6930	.6930	.6487	.6487	.1391	.3629
56	.311		.7056	.7056	.6608	.6608	.1580	.3695
57	.317		.7182	.7182	.6729	.6729	.1769	.3761
58	.322		.7308	.7308	.6850	.6850	.1958	.3827
59	.328		.7434	.7434	.6971	.6971	.2147	.3893
60	.333		.7560	.7560	.7092	.7092	.2336	.3959

