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Department of Meteorology and Oceanography

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

By

L. Moskowitz

W. J. Pierson, Jr.

E. Mehr

WHOI DOCUMENT COLLECTION

Technical Report Prepared for
U. S. Navy Oceanographic Office
under contract
N62306-1042

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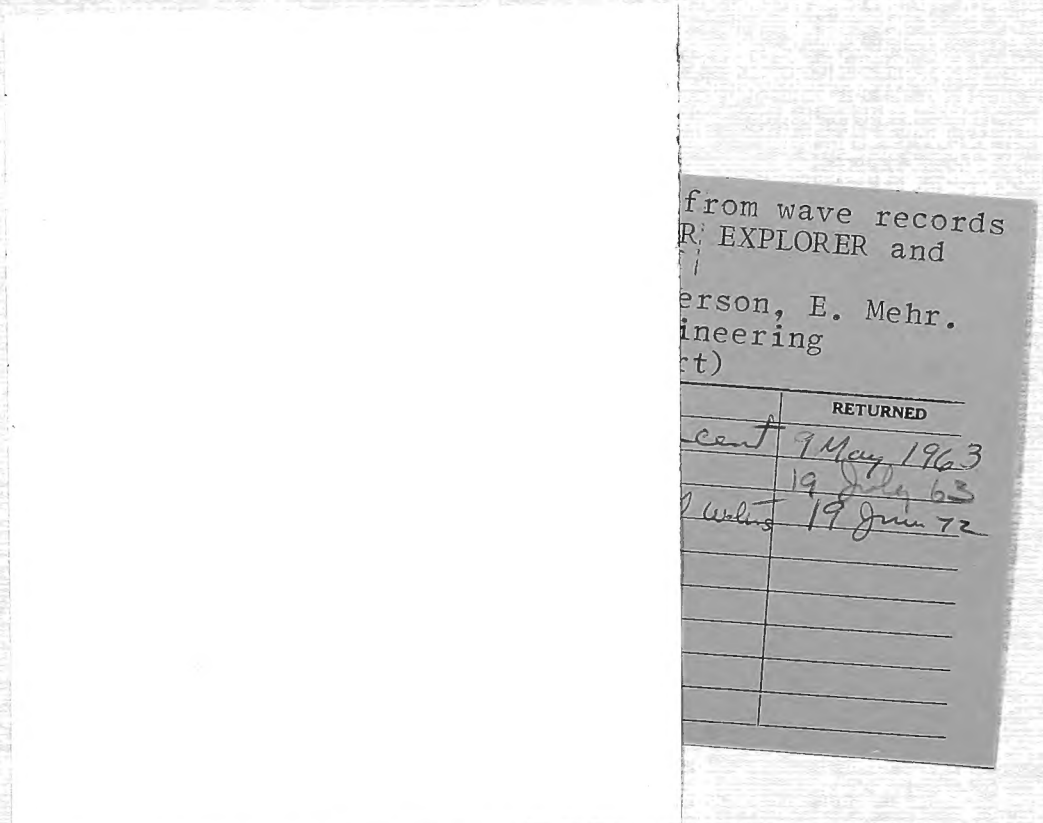

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Introduction

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. 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 first of a series of reports to present in tabular and graphical form the results of these analyses. The total number of spectra given is 114.

Analysis procedures

The original wave records varied in length, but almost all of this first set were 15 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

$$U_h = 0.25L_{h-1} + 0.50L_h + 0.25L_{h+1} \tag{1}$$

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.

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 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.* 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.

Inadvertently, Table 1 was applied where Table 2 ought to have been applied to some of the spectra. The result was exceptionally high values at high frequencies. Thus the calibrations given in these two tables do distinguish between the characteristics of the two ships as, when done correctly, reasonable results were obtained.

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.

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*See p. 6 for details.

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 $h = 0, 1, 2, \cdots, 60$, 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) CORR VAR = corrected variance = ΣU_h^*

(3) SIG HGT = $\overline{H}_{\frac{1}{3}} = 2.83 (2 \Sigma U_h^*)^{1/2}$

(4) AVER T = $\widetilde{T} = [\Sigma U_h^* / \Sigma f_h^2 U_h^*]^{1/2}$

(5) TOTAL DF = Total degrees of freedom = $10 [\Sigma U_h^*]^2 / [\Sigma U_h^2]$

(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

(6)

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

Lower 5% on CORR VAR = $(10^{-1/\sqrt{T DF}})$ CORR VAR

and by

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

(7)

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

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 near the ship at the time of observation are also given to the nearest five knots as read directly from weather maps. 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. Some tables give the confidence limits for the height according to equation (7).

1b) In the first column, the spectral lag numbers (H) are given.

2) In the second column (FRE) the frequency according to the equation $f = H/180$ (sec^{-1}) is given.

3) In the third column (UNIT = FT^2), 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

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

(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 graphs of the spectra

The graph that accompanies the spectral tabulation shows the spectrum and the 95% and 5% confidence bounds. 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 $(\text{feet})^2$. The scales change with each spectrum and comparisons between spectra by means of the graphs should be made cautiously.

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 Davidson Laboratory of Stevens Institute of Technology.

References

Blackman, R. B., and J. W. Tukey (1958): The measurement of power spectra from the point of view of communications engineering, Parts I and II. Bell System Tech. Journ., Jan. 1958, March 1958.

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.)

Tucker, M. J. (1956): 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.

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.

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.

Record No.		Position	Heading	Speed (kts)
DL	1	I		stopped
	2	I		stopped
	3	I		stopped
	4	I		stopped
	5	I		stopped
	6	I		stopped
	7	I		stopped
	8	I		stopped
	9	I	345°	1
	10	I	360°	2
	11	I	360°	1
	12	I		stopped
	13	I		stopped
	14	I		stopped
	15	J	280°	1
	16	J	280°	1
	17	J		stopped
	18	J	290°	1
	19	J	290°	1/2
	20	J		stopped
	21	J		stopped
	22	J	280°	1
	23	J	280°	1
	24	J		hove to
	25	J		stopped
	26	J	260°	1/2
	27	J	280°	0
	28	J	280°	1/2
	29	J		stopped
	30	J		stopped

Table 3. (cont.)

Record No.	Position	Heading	Speed (kts)
DL 31	I		stopped
32	I		stopped
33	I	190°	1
34	I	190°	2
35	I	250°	1
36	I	230°	1
37	I	230°	1
38	I	240°	1/2
39	I	240°	1/2
40	I	240°	1
41	I	250°	1
42	I		stopped
43	A	070°	2
44	A		stopped
45	A		stopped
46	I	250°	1
47	I	250°	$1\frac{1}{2}$
48	I	250°	2
49	I	250°	2
50	I	250°	1
51	I	260°	1
52	I	265°	$1\frac{1}{2}$
53	I	260°	2
54	I	265°	1
55	I	280°	2
56	I		stopped
57	I	305°	$1\frac{1}{2}$
58	I		stopped
59	I		stopped
60	I		stopped

Table 3. (cont.)

Record No.		Position	Heading	Speed (kts)
JH	1	A	040°	1
	2	A	090°	2
	3	A	050°	2
	4	A	040°	1
	5	A	040°	1
	6	A		stopped
	7	A		stopped
	8	K		stopped
	9	K		stopped
	10	K		stopped
	11	K	290°	1
	12	K	280°	1/2
	13	K	275°	1/2
	14	K	275°	1
	15	K	275°	1½
	16	K	270°	1
	17	K	275°	1
	18	K	275°	1
	19	K		stopped
	20	A	085°	2
	21	A	140°	2
	22	A	160°	1½
	23	A	240°	1
	24	A	200°	2
	25	A	200°	2
	26	A	220°	2
	27	A	250°	1
	28	A	240°	2
	29	A	235°	1½
	30	A	240°	2

Table 3. (cont.)

Record No.		Position	Heading	Speed (kts)
JH	31	A	230°	1½
	32	A	190°	2
	33	A	190°	2
	34	A	180°	2
	35	A		stopped
	36	A	230°	1½
	37	A	240°	2
	38	A	230°	1½
	39	A	230°	2
	40	A	220°	1
	41	J	080°	1
	42	J	090°	1
	43	J	070°	1
	44	52°42'N, 19°W	065°	3
	45	53°N , 18°W	060°	7
	46	52°54'N, 16°54'W	060°	7
	47	53°01'N, 16°36'W	050°	4
	48	53°06'N, 16°20'W	350°	4
	49	53°08'N, 16°15'W	050°	5
	50	53°18'N, 16°16'W	340°	1
	51	53°18'N, 16°16'W		hove to
	52	53°17'N, 15°56'W	120°	11
	53	52°48'N, 14°26'W	120°	10
	54	52°30'N, 13°35'W	120°	11½

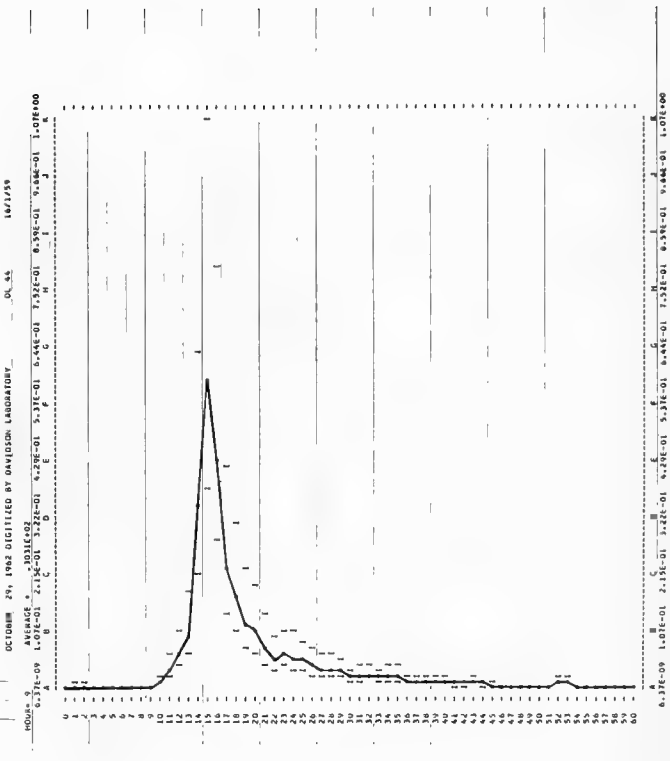
Table 4. Data on short records for which less than 600 points were available.

Record No.	no. of points	Original TDF	Corrected TDF
DL 50	592	144	142
JH 4	561	150	140
JH 16	591	134	132
JH 17	592	101	100
JH 18	590	128	126
JH 19	581	133	129
JH 24	586	151	147
JH 36	585	204	199

SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/1/59 AV. T= 8.0 RECORD = DL 44
HOUR = 9 SIG.HGT. = 6.8 UPPER HGT. = 7.6
TOTAL OF =105 CORR. VAR. = 2.9 LOWER HGT. = 6.1
NOISE LEVEL = .0015 WIND SPEED = 15

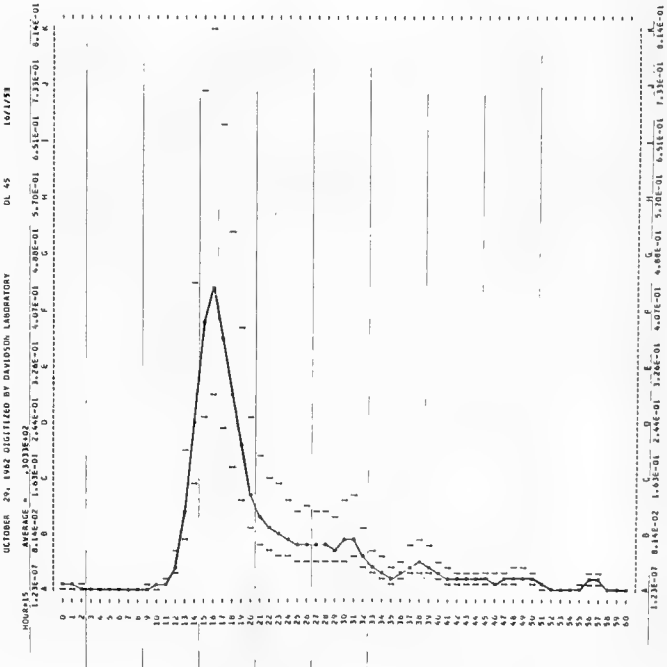
H	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0046	.0046	.0029	.0029	.0053	.0018
1	.006	.0055	.0055	.0040	.0040	.0074	.0025
2	.011	.0064	.0064	.0049	.0049	.0090	.0031
3	.017	.0039	.0039	.0024	.0024	.0044	.0015
4	.022	.0015	.0015	.0000	.0000	.0001	.0000
5	.028	.0012	.0012	.0000	.0000	.0000	.0000
6	.033	.0008	.0008	.0000	.0000	.0000	.0000
7	.039	.0011	.0011	.0000	.0000	.0000	.0000
8	.044	.0019	.0019	.0004	.0005	.0010	.0003
9	.050	.0029	.0029	.0014	.0015	.0028	.0010
10	.056	.0105	.0105	.0090	.0096	.0177	.0061
11	.061	.0339	.0339	.0324	.0336	.0619	.0214
12	.067	.0596	.0596	.0581	.0596	.1098	.0379
13	.072	.1001	.1001	.0986	.1011	.1864	.0644
14	.078	.1313	.1298	.1413	.1491	.2173	.0809
15	.083	.5555	.5555	.5540	.5825	1.0737	.3709
16	.089	.4075	.4075	.4060	.4317	.7957	.2749
17	.094	.2074	.2074	.2060	.2272	.4189	.1447
18	.100	.1487	.1487	.1472	.1675	.3088	.1067
19	.106	.1035	.1035	.1020	.1204	.2220	.0767
20	.111	.0869	.0869	.0854	.1043	.1924	.0868
21	.117	.0606	.0606	.0591	.0757	.1396	.0482
22	.122	.0389	.0389	.0375	.0503	.0927	.0320
23	.128	.0446	.0429	.0805	.1116	.0345	
24	.133	.0409	.0409	.0394	.0586	.1080	.0373
25	.139	.0323	.0323	.0309	.0485	.0895	.0309
26	.144	.0267	.0267	.0252	.0421	.0776	.0268
27	.150	.0210	.0210	.0195	.0346	.0638	.0220
28	.156	.0210	.0210	.0195	.0369	.0681	.0235
29	.161	.0171	.0156	.0316	.0582	.0201	
30	.167	.0095	.0080	.0174	.0321	.0111	
31	.172	.0112	.0112	.0097	.0226	.0417	.0144
32	.178	.0116	.0116	.0101	.0254	.0468	.0162
33	.183	.0085	.0085	.0070	.0190	.0351	.0121
34	.189	.0098	.0098	.0083	.0245	.0452	.0156
35	.194	.0093	.0093	.0078	.0249	.0460	.0159
36	.200	.0055	.0055	.0040	.0141	.0259	.0090
37	.206	.0038	.0038	.0023	.0089	.0163	.0056
38	.211	.0041	.0041	.0026	.0109	.0202	.0070
39	.217	.0043	.0043	.0028	.0130	.0239	.0083
40	.222	.0035	.0035	.0020	.0101	.0186	.0064
41	.228	.0024	.0028	.0013	.0071	.0130	.0045
42	.233	.0027	.0027	.0012	.0076	.0140	.0048
43	.239	.0033	.0030	.0015	.0100	.0185	.0064
44	.244	.0024	.0025	.0010	.0078	.0143	.0050
45	.250	.0017	.0019	.0004	.0033	.0061	.0021
46	.256	.0016	.0016	.0001	.0014	.0026	.0009
47	.261	.0016	.0016	.0001	.0008	.0015	.0005
48	.267	.0015	.0015	.0000	.0000	.0000	.0000
49	.272	.0014	.0015	.0000	.0000	.0000	.0000
50	.278	.0014	.0015	.0000	.0000	.0000	.0000
51	.283	.0016	.0017	.0002	.0028	.0051	.0018
52	.289	.0022	.0020	.0005	.0097	.0180	.0062
53	.294	.0021	.0019	.0004	.0096	.0176	.0061
54	.300	.0011	.0013	.0000	.0000	.0000	.0000
55	.306	.0008	.0010	.0000	.0000	.0000	.0000
56	.311	.0013	.0012	.0000	.0000	.0000	.0000
57	.317	.0017	.0015	.0000	.0015	.0028	.0010
58	.322	.0015	.0015	.0000	.0002	.0004	.0001
59	.328	.0013	.0014	.0000	.0000	.0000	.0000
60	.333	.0014	.0013	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/1/59 AV. T= 7.7 RECORD = DL 45
HOUR = 15 SIG.HGT. = 7.5 UPPER HGT. = 8.2
TOTAL OF =101 CORR. VAR. = 3.5 LOWER HGT. = 6.9
NOISE LEVEL = .0017 WIND SPEED = 25

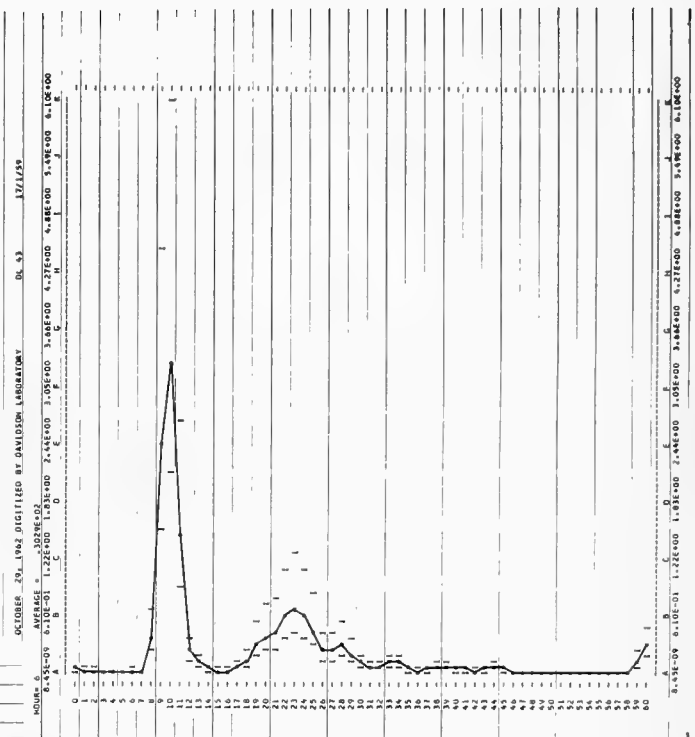
H	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0069	.0069	.0052	.0052	.0096	.0033
1	.006	.0062	.0062	.0046	.0046	.0084	.0029
2	.011	.0048	.0048	.0032	.0032	.0058	.0020
3	.017	.0035	.0035	.0018	.0018	.0033	.0011
4	.022	.0025	.0025	.0008	.0008	.0015	.0005
5	.028	.0024	.0024	.0008	.0008	.0014	.0005
6	.033	.0026	.0026	.0009	.0014	.0026	.0009
7	.039	.0026	.0026	.0009	.0013	.0023	.0008
8	.044	.0024	.0024	.0007	.0008	.0015	.0005
9	.050	.0044	.0044	.0027	.0030	.0056	.0019
10	.056	.0076	.0076	.0059	.0063	.0116	.0040
11	.061	.0093	.0093	.0077	.0079	.0147	.0051
12	.067	.0337	.0337	.0320	.0329	.0606	.0209
13	.072	.1106	.1106	.1090	.1118	.2061	.0712
14	.078	.2354	.2354	.2338	.2420	.4460	.1541
15	.083	.3739	.3739	.3723	.3914	.7214	.2492
16	.089	.4170	.4153	.4416	.8140	.2812	
17	.094	.3367	.3347	.3330	.3675	.6773	.2340
18	.100	.2518	.2518	.2501	.2847	.5248	.1813
19	.106	.1781	.1781	.1765	.2083	.3840	.1327
20	.111	.1142	.1142	.1126	.1383	.2548	.0880
21	.117	.0857	.0841	.1078	.1986	.0686	
22	.122	.0659	.0659	.0643	.0863	.1590	.0549
23	.128	.0600	.0600	.0583	.0823	.1517	.0524
24	.133	.0501	.0484	.0720	.1328	.0459	
25	.139	.0421	.0421	.0404	.0636	.1172	.0405
26	.144	.0408	.0408	.0391	.0653	.1204	.0416
27	.150	.0371	.0354	.0628	.1158	.0400	
28	.156	.0350	.0350	.0333	.0630	.1161	.0401
29	.161	.0305	.0305	.0288	.0583	.1075	.0371
30	.167	.0337	.0320	.0695	.1281	.0443	
31	.172	.0338	.0338	.0321	.0749	.1380	.0477
32	.178	.0205	.0205	.0188	.0474	.0873	.0302
33	.183	.0134	.0134	.0118	.0320	.0590	.0204
34	.189	.0111	.0111	.0094	.0278	.0513	.0177
35	.194	.0073	.0073	.0057	.0182	.0335	.0116
36	.200	.0082	.0065	.0228	.0420	.0145	
37	.206	.0108	.0108	.0091	.0348	.0642	.0222
38	.211	.0115	.0115	.0098	.0459	.0753	.0260
39	.217	.0091	.0075	.0342	.0630	.0218	
40	.222	.0061	.0061	.0044	.0221	.0408	.0141
41	.228	.0042	.0046	.0029	.0162	.0299	.0103
42	.233	.0038	.0039	.0022	.0137	.0252	.0087
43	.239	.0039	.0038	.0021	.0145	.0267	.0092
44	.244	.0035	.0036	.0019	.0144	.0266	.0092
45	.250	.0034	.0033	.0016	.0138	.0254	.0088
46	.256	.0027	.0029	.0012	.0115	.0212	.0073
47	.261	.0027	.0028	.0012	.0124	.0228	.0079
48	.267	.0035	.0032	.0016	.0185	.0341	.0118
49	.272	.0032	.0031	.0015	.0196	.0361	.0125
50	.278	.0027	.0027	.0010	.0150	.0276	.0095
51	.283	.0020	.0020	.0004	.0061	.0113	.0039
52	.289	.0012	.0014	.0000	.0000	.0000	.0000
53	.294	.0013	.0013	.0000	.0000	.0000	.0000
54	.300	.0016	.0016	.0000	.0000	.0000	.0000
55	.306	.0017	.0018	.0001	.0035	.0064	.0022
56	.311	.0023	.0021	.0004	.0139	.0257	.0089
57	.317	.0021	.0020	.0004	.0139	.0256	.0088
58	.322	.0014	.0016	.0000	.0000	.0000	.0000
59	.328	.0014	.0014	.0000	.0000	.0000	.0000
60	.333	.0015	.0014	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 17/1/59 AV. T= 8.7 RECORD = OL 43
HOUR = 9 SIG.HGT. = 13.0 UPPER HGT. = 16.9
TOTAL DF = 91 CORR. VAR. = 14.0 LOWER HGT. = 13.3
NOISE LEVEL = .0074 WIND SPEED = 30

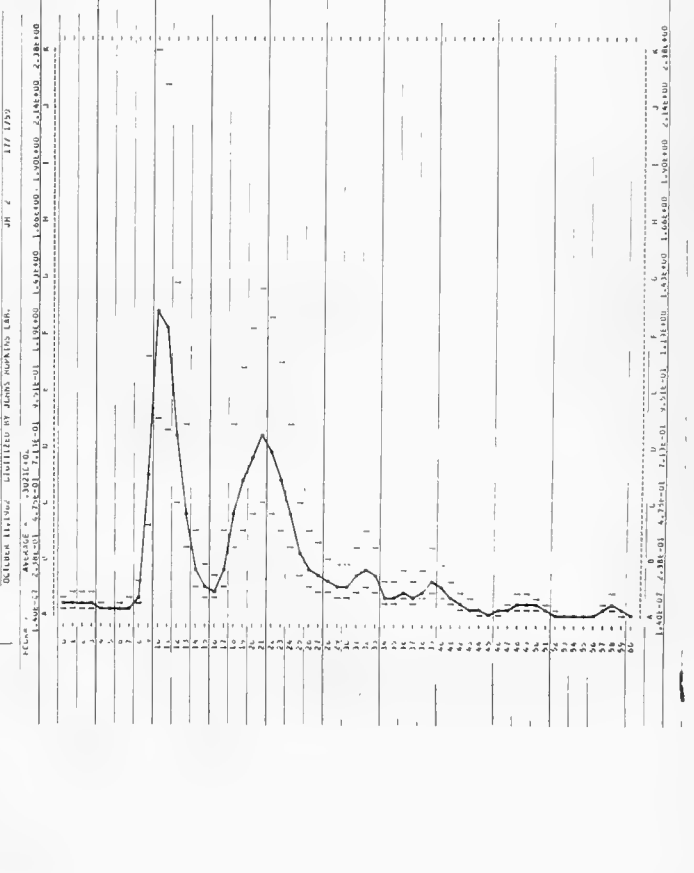
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0453	.0453	.0379	.0379	.0699	.0241
1	.006	.0368	.0296	.0296	.0296	.0542	.0187
2	.011	.0292	.0292	.0179	.0179	.0329	.0114
3	.017	.0124	.0124	.0050	.0050	.0092	.0032
4	.022	.0195	.0195	.0122	.0122	.0225	.0078
5	.028	.0131	.0131	.0058	.0058	.0107	.0037
6	.033	.0293	.0293	.0179	.0283	.0521	.0180
7	.039	-.0172	-.0172	.0000	.0000	.0000	.0000
8	.044	.3215	.3215	.3141	.3740	.6894	.2382
9	.050	2.2090	2.2090	2.2016	2.4436	4.5039	1.5559
10	.056	3.1231	3.1231	3.1158	3.2121	5.1046	2.1089
11	.061	1.4016	1.4016	1.3942	1.4445	2.6641	.9211
12	.067	.2169	.2169	.2095	.2149	.3961	.1368
13	.072	.1188	.1188	.1114	.1143	.2107	.0728
14	.078	.0464	.0464	.0391	.0402	.0740	.0258
15	.083	.0340	.0340	.0266	.0280	.0515	.0178
16	.089	.0265	.0265	.0191	.0203	.0377	.0130
17	.094	.0345	.0345	.0271	.0320	.0593	.0331
18	.100	.1235	.1235	.1161	.1322	.2437	.0842
19	.106	.2467	.2467	.2393	.2825	.5207	.1799
20	.111	.3250	.3250	.3176	.3900	.7189	.2483
21	.117	.3389	.3389	.3316	.4250	.7833	.2706
22	.122	.4419	.4419	.4345	.5833	1.0751	.3714
23	.128	.4890	.4890	.4816	.6793	1.2521	.4326
24	.133	.4157	.4157	.4084	.6073	1.1193	.3867
25	.139	.2964	.2964	.2890	.4547	.8380	.2895
26	.144	.1467	.1467	.1394	.2325	.4285	.1480
27	.150	.1394	.1394	.1321	.2342	.4317	.1491
28	.156	.1635	.1635	.1561	.2953	.5443	.1880
29	.161	.1040	.1040	.0966	.1959	.3603	.1245
30	.167	.0590	.0590	.0516	.1120	.2065	.0713
31	.172	.0402	.0402	.0328	.0786	.1412	.0488
32	.178	.0341	.0341	.0268	.0674	.1242	.0429
33	.183	.0444	.0444	.0370	.1007	.1856	.0641
34	.189	.0402	.0402	.0328	.0968	.1783	.0616
35	.194	.0211	.0211	.0137	.0439	.0808	.0279
36	.200	.0146	.0146	.0072	.0252	.0464	.0160
37	.206	.0196	.0196	.0122	.0466	.0859	.0297
38	.211	.0214	.0214	.0141	.0586	.1080	.0373
39	.217	.0191	.0191	.0117	.0535	.0988	.0341
40	.222	.0167	.0167	.0093	.0470	.0866	.0299
41	.228	.0128	.0135	.0062	.0343	.0631	.0218
42	.233	.0107	.0119	.0045	.0278	.0513	.0177
43	.239	.0142	.0134	.0060	.0410	.0756	.0261
44	.244	.0101	.0145	.0071	.0540	.0995	.0344
45	.250	.0109	.0115	.0042	.0353	.0650	.0225
46	.256	.0071	.0082	.0009	.0080	.0148	.0051
47	.261	.0081	.0077	.0003	.0032	.0058	.0020
48	.267	.0072	.0073	.0000	.0000	.0000	.0000
49	.272	.0064	.0066	.0000	.0000	.0000	.0000
50	.278	.0069	.0066	.0000	.0000	.0000	.0000
51	.283	.0060	.0061	.0000	.0000	.0000	.0000
52	.289	.0048	.0056	.0000	.0000	.0000	.0000
53	.294	.0069	.0066	.0000	.0000	.0000	.0000
54	.300	.0086	.0078	.0004	.0107	.0197	.0068
55	.306	.0069	.0071	.0000	.0000	.0000	.0000
56	.311	.0057	.0060	.0000	.0000	.0000	.0000
57	.317	.0053	.0058	.0000	.0000	.0000	.0000
58	.322	.0060	.0068	.0000	.0000	.0000	.0000
59	.328	.0105	.0098	.0024	.1204	.2220	.0767
60	.333	.0138	.0121	.0048	.2767	.5099	.1762



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59 AV. T= 8.2 RECORD = JH 2
HOUR = 9 SIG.HGT. = 13.9
TOTAL DF =201 CORR. VAR. = 12.1
NOISE LEVEL = .0051 WIND SPEED = 35

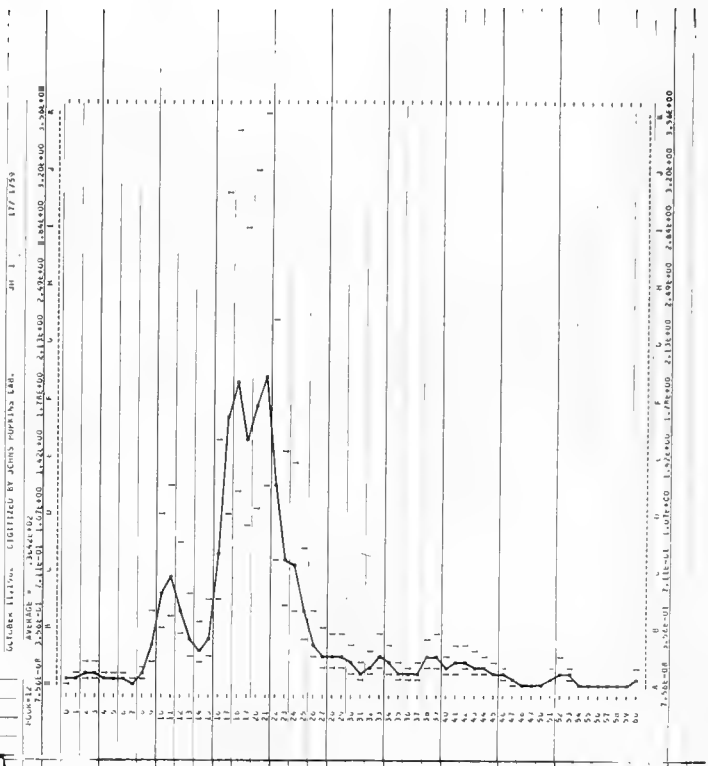
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0422	.0422	.0371	.0371	.0684	.0236
1	.006	.0509	.0458	.0458	.0458	.0844	.0292
2	.011	.0606	.0606	.0555	.0555	.1023	.0354
3	.017	.0510	.0510	.0460	.0460	.0847	.0293
4	.022	.0321	.0321	.0270	.0270	.0498	.0172
5	.028	.0240	.0240	.0189	.0189	.0349	.0121
6	.033	.0213	.0213	.0162	.0256	.0472	.0163
7	.039	.0315	.0315	.0264	.0350	.0646	.0223
8	.044	.0717	.0717	.0666	.0793	.1462	.0505
9	.050	.5466	.5466	.5355	.5944	1.0955	.3785
10	.056	1.2181	1.2181	1.2130	1.2894	2.3766	.8210
11	.061	1.1751	1.1751	1.1700	1.2136	2.2373	.7729
12	.067	.7490	.7490	.7439	.7630	1.4064	.4858
13	.072	.4315	.4315	.4264	.4325	.8004	.2786
14	.078	.1982	.1982	.1931	.1959	.3684	.1273
15	.083	.1170	.1170	.1120	.1177	.2170	.0750
16	.089	.0944	.0944	.0894	.0950	.1751	.0605
17	.094	.1857	.1808	.1808	.1993	.3673	.1269
18	.100	.3875	.3824	.3824	.4353	.8023	.2772
19	.106	.4837	.4837	.4786	.5650	1.0413	.3597
20	.111	.5356	.5356	.5305	.6564	1.2098	.4179
21	.117	.5909	.5909	.5858	.7509	1.3840	.4781
22	.122	.5102	.5102	.5052	.6781	1.2499	.4318
23	.128	.4152	.4152	.4101	.5784	1.0661	.3683
24	.133	.2961	.2961	.2911	.4328	.7978	.2756
25	.139	.1722	.1722	.1671	.2622	.4845	.1674
26	.144	.1230	.1230	.1185	.1977	.3644	.1259
27	.150	.0681	.0981	.0930	.1649	.3040	.1050
28	.156	.0758	.0758	.0708	.1339	.2467	.0852
29	.161	.0660	.0660	.0609	.1111	.2048	.0708
30	.167	.0596	.0596	.0545	.1184	.2182	.0754
31	.172	.0729	.0679	.0629	.1582	.2916	.1008
32	.178	.0829	.0778	.0728	.1956	.3603	.1247
33	.183	.0625	.0574	.0574	.1560	.2875	.0993
34	.189	.0368	.0368	.0257	.0758	.1398	.0483
35	.194	.0361	.0250	.0250	.0801	.1477	.0510
36	.200	.0344	.0344	.0293	.1023	.1885	.0651
37	.206	.0248	.0248	.0197	.0752	.1385	.0479
38	.211	.0364	.0293	.0293	.1055	.1945	.0672
39	.217	.0387	.0336	.0336	.1539	.2836	.0980
40	.222	.0277	.0226	.0226	.1141	.2103	.0727
41	.228	.0183	.0134	.0134	.0744	.1372	.0474
42	.233	.0139	.0139	.0088	.0515	.0950	.0328
43	.239	.0099	.0099	.0048	.0331	.0611	.0211
44	.244	.0057	.0068	.0017	.0159	.0293	.0063
45	.250	.0055	.0058	.0007	.0062	.0115	.0040
46	.256	.0064	.0064	.0013	.0125	.0230	.0080
47	.261	.0077	.0077	.0026	.0274	.0505	.0175
48	.267	.0099	.0091	.0040	.0482	.0888	.0307
49	.272	.0092	.0096	.0046	.0928	.0974	.0336
50	.278	.0074	.0078	.0028	.0709	.0729	.0252
51	.283	.0071	.0067	.0017	.0284	.0524	.0181
52	.289	.0065	.0066	.0016	.0075	.0138	.0048
53	.294	.0057	.0061	.0006	.0000	.0000	.0000
54	.300	.0037	.0060	.0006	.0000	.0000	.0000
55	.306	.0046	.0060	.0006	.0000	.0000	.0000
56	.311	.0048	.0048	.0001	.0001	.0000	.0000
57	.317	.0058	.0058	.0007	.0276	.0508	.0176
58	.322	.0063	.0063	.0012	.0521	.0960	.0332
59	.328	.0051	.0054	.0003	.0136	.0276	.0095
60	.333	.0037	.0044	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59 AV. T= 8.0 RECORD = JH 1
HOUR = 12 SIG.HGT. = 17.4
TOTAL OF =173 CUMM. VAR. = 17.40
NOISE LEVEL = .0152 WIND SPEED = 35

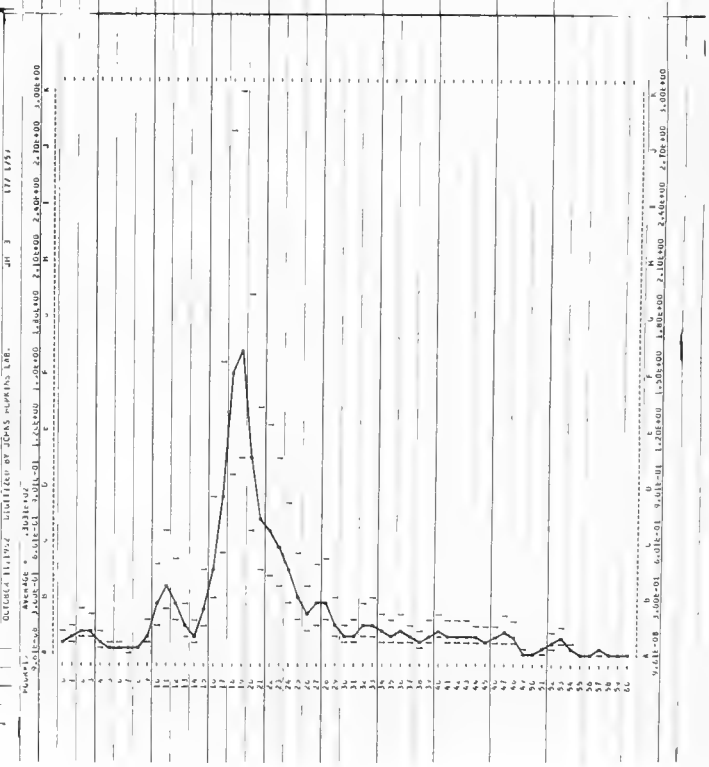
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CUMM.FT.2	UPPER	LOWER
0	.000	.6424	.0424	.0272	.0272	.0500	.0173
1	.000	.0363	.0363	.0211	.0411	.0757	.0262
2	.011	.0836	.0836	.0684	.0684	.1261	.0435
3	.017	.0830	.0830	.0678	.0678	.1249	.0432
4	.022	.0818	.0818	.0663	.0663	.0854	.0295
5	.028	.0546	.0546	.0393	.0393	.0725	.0251
6	.033	.0385	.0385	.0233	.0366	.0675	.0233
7	.039	.0269	.0269	.0117	.0149	.0275	.0095
8	.044	.0656	.0656	.0502	.0598	.1102	.0381
9	.050	.2380	.2380	.2227	.2472	.4557	.1574
10	.056	.5636	.5636	.5483	.5824	1.0743	.3711
11	.061	.8865	.8865	.8713	.6753	1.2455	.4303
12	.067	.4811	.4811	.4659	.4774	.8808	.3043
13	.072	.3062	.3062	.2910	.3006	.5546	.1914
14	.078	.2187	.2187	.2035	.2106	.3882	.1341
15	.083	.2938	.2934	.2781	.2924	.5390	.1862
16	.089	.7886	.7886	.7734	.8223	1.5157	.5236
17	.094	1.5211	1.5211	1.5059	1.6818	3.0828	1.0580
18	.100	1.6636	1.6636	1.6483	1.8765	3.4586	1.1946
19	.106	1.3242	1.3242	1.3089	1.5652	2.8681	.9837
20	.111	1.4200	1.4200	1.4137	1.7361	3.1998	1.1054
21	.117	1.5204	1.5204	1.5051	1.9791	3.5557	1.2264
22	.122	.9418	.9416	.9266	1.2438	2.2928	.7920
23	.128	.5761	.5761	.5608	.7411	1.4580	.5037
24	.133	.5193	.5193	.5041	.7496	1.3816	.4773
25	.139	.3085	.3085	.2933	.4614	.8504	.2938
26	.144	.1883	.1883	.1731	.2594	.4787	.1654
27	.150	.1231	.1231	.1079	.1913	.3526	.1218
28	.156	.1089	.1089	.0937	.1772	.3266	.1128
29	.161	.1035	.1035	.0883	.1786	.3291	.1137
30	.167	.0787	.0787	.0635	.1339	.2539	.0877
31	.172	.0491	.0491	.0339	.0741	.1458	.0504
32	.178	.0348	.0348	.0196	.0421	.0866	.0714
33	.183	.0274	.0274	.0122	.0290	.0115	.0076
34	.189	.0610	.0610	.0458	.1350	.2489	.0860
35	.194	.0402	.0402	.0250	.0798	.1471	.0508
36	.200	.0322	.0322	.0170	.0562	.1091	.0377
37	.206	.0358	.0358	.0205	.0782	.1442	.0498
38	.211	.0536	.0536	.0384	.1602	.2953	.1020
39	.217	.0517	.0517	.0364	.1670	.3079	.1064
40	.222	.0350	.0350	.0198	.0996	.1836	.0634
41	.228	.0421	.0395	.0242	.1348	.2486	.0858
42	.233	.0369	.0367	.0215	.1493	.2880	.0919
43	.239	.0276	.0309	.0156	.1066	.1965	.0679
44	.244	.0284	.0274	.0142	.0924	.1702	.0588
45	.250	.0258	.0252	.0099	.0841	.1550	.0535
46	.256	.0263	.0210	.0058	.0545	.1005	.0347
47	.261	.0186	.0178	.0026	.0277	.0510	.0176
48	.267	.0179	.0140	.0000	.0000	.0000	.0000
49	.272	.0100	.0117	.0000	.0000	.0000	.0000
50	.278	.0139	.0140	.0000	.0000	.0000	.0000
51	.283	.0148	.0183	.0031	.0531	.0978	.0338
52	.289	.0206	.0198	.0045	.0877	.1617	.0558
53	.294	.0178	.0179	.0027	.0598	.1102	.0381
54	.300	.0154	.0155	.0003	.0083	.0116	.0040
55	.306	.0130	.0133	.0000	.0000	.0000	.0000
56	.311	.0118	.0120	.0000	.0000	.0000	.0000
57	.317	.0109	.0116	.0000	.0000	.0000	.0000
58	.322	.0125	.0127	.0000	.0000	.0000	.0000
59	.328	.0157	.0150	.0000	.0000	.0000	.0000
60	.333	.0165	.0161	.0009	.0504	.0929	.0321



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 17/ 1/59 AV. T= 7.2 RECORD = JH 3
HOUR = 15 SIG.HGT. = 14.8
TOTAL OF =167 CUMM. VAR. = 13.3
NOISE LEVEL = .0118 WIND SPEED = 35

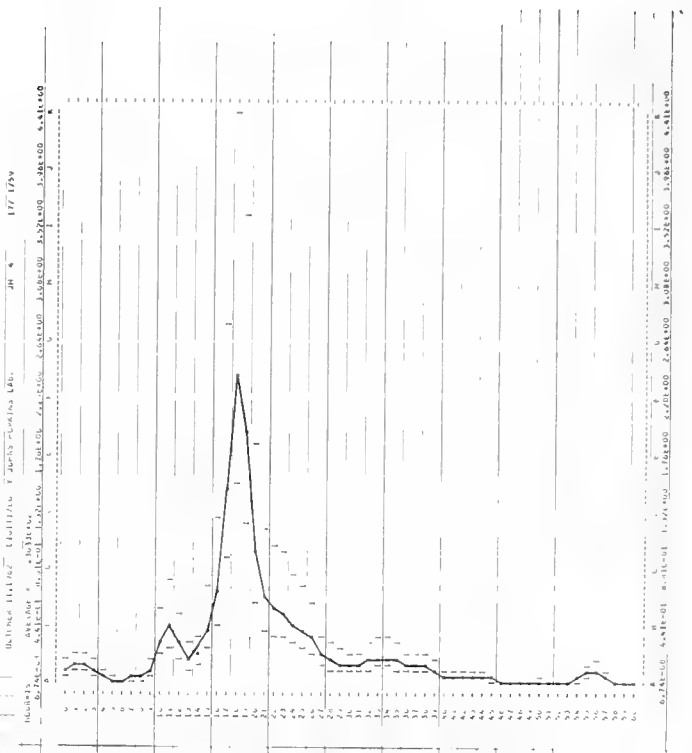
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CUMM.FT.2	UPPER	LOWER
0	.060	.0830	.0830	.0712	.0712	.1312	.0453
1	.006	.1014	.1014	.0895	.0895	.1650	.0570
2	.011	.1350	.1350	.1231	.1231	.2269	.0784
3	.017	.1317	.1317	.1198	.1198	.2209	.0763
4	.022	.0793	.0793	.0675	.0675	.1244	.0430
5	.028	.0414	.0414	.0296	.0296	.0545	.0188
6	.033	.0343	.0343	.0224	.0357	.0651	.0225
7	.039	.0249	.0249	.0131	.0174	.0321	.0111
8	.044	.0316	.0316	.0198	.0236	.0435	.0150
9	.050	.1023	.1023	.0904	.1064	.1956	.0669
10	.056	.2550	.2550	.2432	.4585	.4765	.1646
11	.061	.3586	.3586	.3468	.8593	.8831	.4291
12	.067	.2789	.2789	.2670	.4734	.5048	.1746
13	.072	.1473	.1473	.1354	.1384	.2561	.0885
14	.078	.1107	.1107	.0988	.1023	.1885	.0651
15	.083	.2461	.2461	.2343	.4460	.4424	.1528
16	.089	.4452	.4452	.4334	.4608	.8493	.2934
17	.094	.7775	.7775	.7656	.8448	1.5571	.5379
18	.100	1.3350	1.3350	1.3232	1.2114	2.2458	.9824
19	.106	1.3927	1.3927	1.3809	1.6302	3.0047	1.0360
20	.111	.8645	.8643	.8527	1.0471	1.9299	.6667
21	.117	.5718	.5718	.5600	.4177	1.2229	.4570
22	.122	.5641	.5641	.5523	.6608	1.2188	.4208
23	.128	.4110	.4110	.3992	.2630	1.0377	.3585
24	.133	.3105	.3105	.2988	.4441	.8185	.2828
25	.139	.1956	.1956	.1838	.2891	.5329	.1841
26	.144	.1362	.1362	.1194	.1476	.3041	.1258
27	.150	.1562	.1562	.1444	.2584	.4719	.1630
28	.156	.1604	.1604	.1485	.2816	.5179	.1789
29	.161	.0926	.0926	.0808	.1634	.3012	.1041
30	.167	.0678	.0678	.0557	.0776	.1430	.0494
31	.172	.0564	.0564	.0446	.1040	.1917	.0662
32	.178	.0727	.0727	.0608	.1531	.2822	.0975
33	.183	.0640	.0646	.0572	.1554	.2865	.0990
34	.189	.0496	.0496	.0379	.1118	.2061	.0712
35	.194	.0437	.0437	.0318	.1026	.1879	.0649
36	.200	.0424	.0424	.0305	.1065	.1963	.0678
37	.206	.0337	.0337	.0219	.0833	.1535	.0530
38	.211	.0273	.0273	.0155	.0646	.1191	.0411
39	.217	.0324	.0324	.0205	.0941	.1735	.0599
40	.222	.0354	.0354	.0236	.1188	.2190	.0757
41	.228	.0281	.0298	.0180	.0958	.1840	.0636
42	.233	.0278	.0275	.0156	.0861	.1772	.0612
43	.239	.0267	.0260	.0142	.0970	.1787	.0617
44	.244	.0222	.0229	.0111	.0842	.1553	.0536
45	.250	.0260	.0267	.0089	.0750	.1382	.0477
46	.256	.0203	.0207	.0089	.0841	.1550	.0535
47	.261	.0224	.0224	.0106	.1121	.2066	.0714
48	.267	.0203	.0193	.0074	.0934	.1721	.0594
49	.272	.0102	.0129	.0011	.0142	.0262	.0090
50	.278	.0093	.0107	.0000	.0000	.0000	.0000
51	.283	.0133	.0129	.0010	.0179	.0330	.0114
52	.289	.0153	.0151	.0033	.0634	.1168	.0403
53	.294	.0163	.0154	.0036	.0788	.1452	.0501
54	.300	.0128	.0132	.0014	.0161	.0628	.0217
55	.306	.0091	.0110	.0000	.0000	.0000	.0000
56	.311	.0116	.0114	.0000	.0000	.0000	.0000
57	.317	.0134	.0123	.0005	.0182	.0335	.0116
58	.322	.0147	.0148	.0040	.0000	.0000	.0000
59	.328	.0086	.0088	.0000	.0000	.0000	.0000
60	.333	.0074	.0077	.0000	.0000	.0000	.0000



SPELTRA MEADLASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 177 1959 AV. F= 8.6 RECORD = JM 4
MEAN = 18 SIG.MGT. = 15.7
TOTAL LP =1N0 CORR. VAR. = 15.4
NOISE LEVEL = .0003 BIAS SPEED = 35

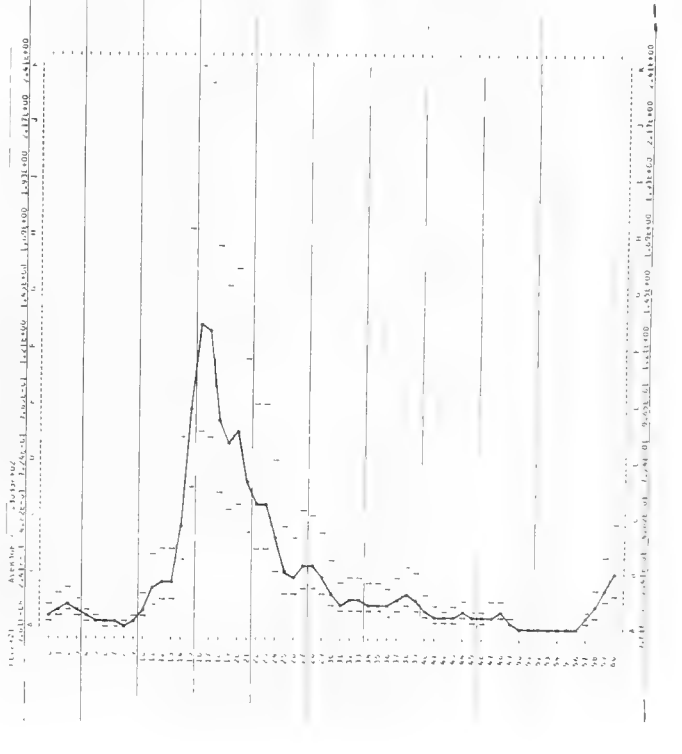
N	FREQ.	UNFILTERED	FILTERED	LESS NOISE	CORR.FI.2	UPPER	LOWER
0	.000	.6490	.0850	.0857	.6857	.1580	.0566
1	.006	.1278	.1278	.1183	.1183	.2180	.0753
2	.011	.1304	.1304	.1271	.1271	.2343	.0810
3	.017	.1014	.1014	.0922	.0922	.1699	.0587
4	.022	.0884	.0884	.0791	.0791	.1089	.0376
5	.028	.0312	.0312	.0219	.0219	.0603	.0129
6	.033	.0184	.0184	.0072	.0113	.0208	.0072
7	.039	.0295	.0295	.0142	.0295	.0470	.0163
8	.044	.0336	.0336	.0243	.0284	.0534	.0184
9	.050	.0316	.0316	.0223	.0223	.0889	.0693
10	.056	.0479	.0479	.0386	.0386	.1843	.0018
11	.061	.0408	.0408	.0315	.0315	.0965	.0717
12	.067	.2973	.2973	.2880	.2956	.5445	.1881
13	.072	.1868	.1868	.1515	.1554	.2764	.0490
14	.078	.2693	.2693	.1568	.2029	.3740	.1292
15	.083	.4015	.4015	.3722	.4123	.7600	.2626
16	.089	.6586	.6586	.6494	.6805	1.2326	.4196
17	.094	1.3043	1.3043	1.3001	1.3001	2.7660	.9555
18	.100	2.1607	2.1607	2.1514	2.1899	4.4050	1.5218
19	.106	1.8670	1.8670	1.8177	1.9984	3.8088	1.2460
20	.111	.9259	.9259	.9192	1.0623	1.8476	.6382
21	.117	.5134	.5134	.5061	.6487	1.1757	.4131
22	.122	.4312	.4312	.4269	.6277	1.0463	.3615
23	.128	.3968	.3968	.3755	.5838	1.0023	.3462
24	.133	.3147	.3147	.3054	.4562	.8371	.2892
25	.139	.2895	.2895	.2803	.4034	.7346	.2607
26	.144	.2549	.2549	.2506	.3340	.6170	.2132
27	.150	.1624	.1624	.1332	.2007	.3694	.1278
28	.156	.1551	.1551	.1489	.1893	.3112	.1075
29	.161	.1453	.1453	.1392	.1941	.2861	.0981
30	.167	.0644	.0804	.0511	.1110	.2048	.0707
31	.172	.0613	.0613	.0520	.1213	.2235	.0772
32	.178	.0777	.0777	.0684	.1221	.3173	.1046
33	.183	.0710	.0710	.0537	.1848	.3494	.1207
34	.189	.0715	.0715	.0822	.1836	.3381	.1168
35	.194	.0593	.0593	.0500	.1666	.2484	.1014
36	.200	.0450	.0450	.0358	.1274	.2348	.0811
37	.206	.0388	.0388	.0275	.1124	.2073	.0716
38	.211	.0393	.0393	.0300	.1256	.2304	.0796
39	.217	.0364	.0364	.0231	.1057	.1942	.0673
40	.222	.0378	.0378	.0185	.0958	.1879	.0716
41	.228	.0344	.0344	.0168	.0977	.1624	.0746
42	.233	.0359	.0359	.0164	.0945	.0728	.0253
43	.239	.0377	.0367	.0174	.0403	.0478	.0330
44	.244	.0355	.0352	.0140	.0432	.0832	.0280
45	.250	.0336	.0336	.0090	.0251	.0462	.0166
46	.256	.0364	.0363	.0010	.0000	.0182	.0063
47	.261	.0283	.0290	.0000	.0000	.0000	.0000
48	.267	.0278	.0305	.0000	.0000	.0000	.0000
49	.272	.0366	.0348	.0705	.0072	.0132	.0046
50	.278	.0408	.0303	.0011	.0160	.0295	.0102
51	.283	.0267	.0292	.0000	.0000	.0000	.0000
52	.289	.0285	.0288	.0000	.0000	.0000	.0000
53	.294	.0295	.0296	.0041	.0076	.0052	.0018
54	.300	.0298	.0313	.0116	.0243	.0448	.0155
55	.306	.0427	.0419	.0226	.0359	.1324	.0463
56	.311	.0336	.0426	.0233	.1073	.1977	.0683
57	.317	.0297	.0363	.0216	.1376	.0693	.0239
58	.322	.0280	.0281	.0000	.0000	.0000	.0000
59	.328	.0265	.0267	.0000	.0000	.0000	.0000
60	.333	.0248	.0256	.0000	.0000	.0000	.0000



SPELTRA MEADLASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 177 1959 AV. F= 7.1 RECORD = JM 5
MEAN = 21 SIG.MGT. = 14.5
TOTAL LP =2N4 CORR. VAR. = 13.1
NOISE LEVEL = .0102 BIAS SPEED = 30

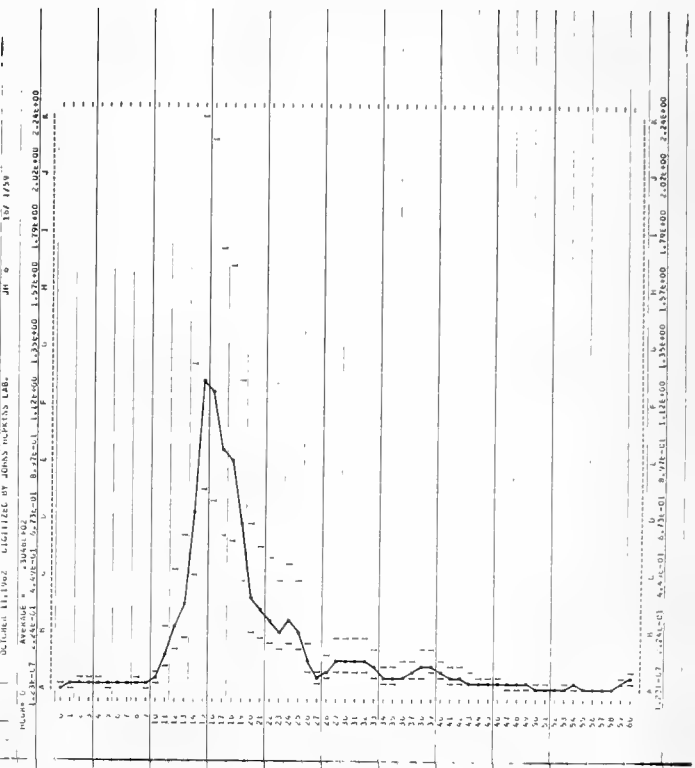
N	FREQ.	UNFILTERED	FILTERED	LESS NOISE	CORR.FI.2	UPPER	LOWER
0	.000	.0580	.0980	.0478	.6478	.0880	.0304
1	.006	.0884	.0884	.0781	.0781	.1440	.0497
2	.011	.1062	.1062	.0959	.0959	.1768	.0611
3	.017	.0752	.0752	.0650	.0650	.1197	.0414
4	.022	.0521	.0521	.0419	.0419	.0772	.0267
5	.028	.0338	.0338	.0236	.0236	.0435	.0150
6	.033	.0215	.0215	.0113	.0177	.0327	.0113
7	.039	.0210	.0210	.0107	.0142	.0263	.0091
8	.044	.0206	.0206	.0078	.0118	.0214	.0074
9	.050	.0340	.0340	.0238	.0284	.0488	.0168
10	.056	.0851	.0851	.0749	.0796	.1467	.0507
11	.061	.1761	.1761	.1659	.1657	.3057	.1056
12	.067	.1941	.1941	.1799	.1946	.3391	.1174
13	.072	.1911	.1911	.1808	.1855	.3420	.1161
14	.078	.4414	.4414	.4311	.4461	.7924	.2841
15	.083	.8976	.8976	.8868	.9324	1.7185	.5937
16	.089	1.2411	1.2411	1.2309	1.3088	2.4123	.8333
17	.094	1.1865	1.1865	1.1761	1.2714	2.3435	.8096
18	.100	.7767	.7767	.7665	.8953	1.6502	.5701
19	.106	.6926	.6926	.6817	.8048	1.4833	.5124
20	.111	.6967	.6967	.6856	.6356	1.5401	.5320
21	.117	.5043	.5043	.4944	.6332	1.1670	.4032
22	.122	.4047	.4047	.3944	.5215	.9759	.3371
23	.128	.3817	.3817	.3715	.5246	.9658	.3336
24	.133	.2767	.2767	.2665	.4233	.7784	.2684
25	.139	.1667	.1667	.1565	.2767	.4964	.1907
26	.144	.1364	.1364	.1261	.2163	.3879	.1340
27	.150	.1832	.1832	.1731	.2713	.4720	.1630
28	.156	.1410	.1460	.1378	.2607	.4805	.1660
29	.161	.1171	.1171	.1068	.2361	.4383	.1376
30	.167	.0817	.0817	.0716	.1956	.2657	.0747
31	.172	.0566	.0566	.0464	.1082	.1994	.0689
32	.178	.0585	.0585	.0483	.1215	.2240	.0774
33	.183	.0512	.0512	.0410	.1111	.2051	.0708
34	.189	.0447	.0447	.0345	.1017	.1874	.0647
35	.194	.0426	.0426	.0324	.1036	.1910	.0660
36	.200	.0373	.0373	.0271	.0944	.1740	.0601
37	.206	.0410	.0410	.0309	.1171	.2158	.0745
38	.211	.0454	.0454	.0351	.1466	.2702	.0933
39	.217	.0391	.0391	.0273	.1273	.2354	.0813
40	.222	.0265	.0265	.0163	.0926	.1511	.0522
41	.228	.0191	.0191	.0085	.0671	.0867	.0360
42	.233	.0193	.0193	.0087	.0705	.0874	.0233
43	.239	.0263	.0186	.0043	.0567	.1046	.0361
44	.244	.0194	.0187	.0044	.0638	.1179	.0406
45	.250	.0192	.0158	.0015	.0554	.0829	.0286
46	.256	.0180	.0185	.0043	.0466	.0748	.0258
47	.261	.0171	.0159	.0057	.0599	.1104	.0381
48	.267	.0161	.0154	.0032	.0617	.1137	.0373
49	.272	.0140	.0125	.0022	.0674	.0592	.0141
50	.278	.0019	.0098	.0000	.0000	.0000	.0000
51	.283	.0092	.0093	.0000	.0000	.0000	.0000
52	.289	.0109	.0089	.0000	.0000	.0000	.0000
53	.294	.0083	.0084	.0000	.0000	.0000	.0000
54	.300	.0065	.0071	.0000	.0000	.0000	.0000
55	.306	.0064	.0071	.0000	.0000	.0000	.0000
56	.311	.0077	.0072	.0000	.0000	.0000	.0000
57	.317	.0113	.0113	.0016	.0700	.0700	.0242
58	.322	.0121	.0124	.0021	.0926	.1695	.0586
59	.328	.0141	.0137	.0035	.1736	.3204	.1107
60	.333	.0140	.0145	.0042	.2452	.4517	.1561



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 18/ 1/59 AV. T= 8.3 RECORD = JM 6
MEAN = 0 SIG.MUT. = 12.3
TOTAL OF =151 CURR. VAR. = 9.7
NOISE LEVEL = .0045 WIND SPEED = 25

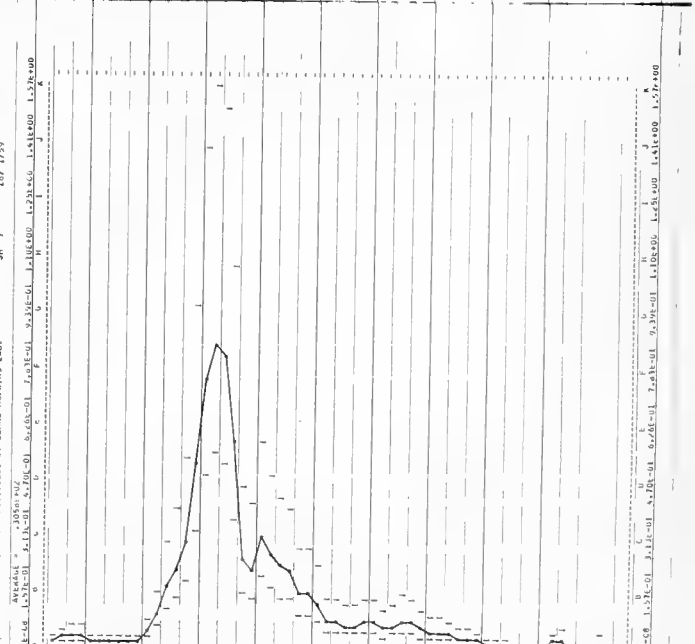
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0129	.0129	.0084	.0084	.0155	.0056
1	.006	.0196	.0196	.0151	.0151	.0278	.0096
2	.011	.0318	.0273	.0228	.0228	.0503	.0174
3	.017	.0339	.0294	.0249	.0249	.0542	.0187
4	.022	.0256	.0256	.0212	.0212	.0390	.0135
5	.028	.0185	.0185	.0140	.0140	.0258	.0089
6	.033	.0158	.0158	.0113	.0178	.0327	.0113
7	.039	.0181	.0181	.0136	.0186	.0333	.0115
8	.044	.0238	.0238	.0193	.0236	.0424	.0146
9	.050	.0190	.0190	.0145	.0161	.0297	.0103
10	.056	.0377	.0377	.0332	.0353	.0650	.0225
11	.061	.1387	.1387	.1342	.1393	.2567	.0887
12	.067	.2495	.2495	.2450	.2513	.4632	.1600
13	.072	.3228	.3228	.3183	.3266	.6019	.2079
14	.078	.6759	.6759	.6714	.6949	1.2807	.4426
15	.083	1.1820	1.1820	1.1775	1.2176	2.2432	.7749
16	.089	1.1029	1.1029	1.0984	1.1629	2.1527	.7437
17	.094	.8545	.8545	.8500	.9379	1.7286	.5972
18	.100	.7973	.7973	.7928	.8025	1.4835	.5267
19	.106	.5593	.5593	.5548	.5550	1.0222	.4170
20	.111	.2943	.2943	.2898	.3554	.6550	.2266
21	.117	.2446	.2446	.2381	.3052	.5629	.1943
22	.122	.2122	.2122	.2077	.2788	.5139	.1775
23	.128	.1896	.1896	.1851	.2329	.4292	.1483
24	.133	.1850	.1850	.1805	.2684	.4946	.1709
25	.139	.1516	.1516	.1471	.2313	.4264	.1473
26	.144	.0654	.0654	.0609	.1016	.1874	.0647
27	.150	.0277	.0277	.0232	.0411	.0758	.0262
28	.156	.0445	.0445	.0400	.0757	.1396	.0482
29	.161	.0578	.0578	.0533	.1078	.1987	.0686
30	.167	.0538	.0538	.0493	.1070	.1972	.0681
31	.172	.0557	.0557	.0482	.1124	.2072	.0716
32	.178	.0483	.0483	.0438	.1102	.2031	.0702
33	.183	.0350	.0350	.0305	.0830	.1530	.0529
34	.189	.0214	.0214	.0169	.0498	.0919	.0317
35	.194	.0181	.0181	.0136	.0435	.0802	.0277
36	.200	.0204	.0204	.0159	.0353	.0650	.0225
37	.206	.0212	.0212	.0167	.0838	.1172	.0445
38	.211	.0241	.0241	.0196	.0818	.1508	.0521
39	.217	.0238	.0238	.0193	.0884	.1629	.0563
40	.222	.0177	.0177	.0132	.0683	.1223	.0422
41	.228	.0133	.0139	.0096	.0565	.0967	.0334
42	.233	.0117	.0115	.0070	.0431	.0794	.0274
43	.239	.0089	.0089	.0044	.0332	.0612	.0211
44	.244	.0073	.0074	.0034	.0257	.0475	.0164
45	.250	.0086	.0079	.0034	.0291	.0536	.0185
46	.256	.0073	.0073	.0028	.0261	.0482	.0166
47	.261	.0052	.0058	.0013	.0136	.0251	.0087
48	.267	.0056	.0055	.0010	.0114	.0210	.0073
49	.272	.0056	.0055	.0010	.0132	.0242	.0084
50	.278	.0052	.0052	.0007	.0110	.0202	.0070
51	.283	.0050	.0049	.0004	.0076	.0128	.0044
52	.289	.0040	.0044	.0000	.0000	.0000	.0000
53	.294	.0050	.0048	.0003	.0064	.0117	.0040
54	.300	.0057	.0051	.0006	.0157	.0290	.0100
55	.306	.0038	.0040	.0000	.0000	.0000	.0000
56	.311	.0028	.0033	.0000	.0000	.0000	.0000
57	.317	.0041	.0039	.0000	.0000	.0000	.0000
58	.322	.0045	.0045	.0000	.0013	.0005	.0002
59	.328	.0049	.0049	.0004	.0194	.0358	.0124
60	.333	.0055	.0052	.0007	.0396	.0736	.0254



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 18/ 1/59 AV. T= 7.9 RECORD = JM 7
MEAN = 3 SIG.MUT. = 11.6
TOTAL OF =178 CURR. VAR. = 7.6
NOISE LEVEL = .0041 WIND SPEED = 20

N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.006	.0171	.0171	.0130	.0130	.0240	.0083
1	.006	.0289	.0289	.0249	.0249	.0458	.0158
2	.011	.0409	.0409	.0368	.0368	.0679	.0235
3	.017	.0343	.0343	.0303	.0303	.0558	.0193
4	.022	.0252	.0252	.0211	.0211	.0389	.0135
5	.028	.0206	.0206	.0165	.0165	.0303	.0104
6	.033	.0185	.0185	.0124	.0195	.0360	.0124
7	.039	.0182	.0182	.0141	.0188	.0346	.0120
8	.044	.0153	.0153	.0112	.0133	.0246	.0084
9	.050	.0197	.0197	.0156	.0176	.0326	.0111
10	.056	.0445	.0445	.0404	.0430	.0792	.0274
11	.061	.0898	.0896	.0855	.0987	.1835	.0585
12	.067	.1847	.1847	.1806	.1898	.3037	.1049
13	.072	.2133	.2133	.2092	.2142	.3956	.1367
14	.078	.2860	.2860	.2819	.2918	.5378	.1858
15	.083	.4954	.4954	.4913	.5165	.9520	.3289
16	.089	.7113	.7113	.7072	.7520	1.3860	.4788
17	.094	.7739	.7739	.7698	.8494	1.5656	.5408
18	.100	.7194	.7194	.7154	.8144	1.5010	.5185
19	.106	.4518	.4518	.4477	.5758	1.0612	.3666
20	.111	.2045	.2045	.2004	.2461	.4537	.1567
21	.117	.1762	.1762	.1721	.2206	.4066	.1405
22	.122	.2390	.2390	.2349	.3153	.5812	.2008
23	.128	.1902	.1902	.1861	.2624	.4837	.1671
24	.133	.1601	.1560	.1519	.2320	.4275	.1477
25	.139	.1413	.1413	.1372	.2159	.3979	.1375
26	.144	.0583	.0583	.0542	.1071	.1974	.0682
27	.150	.0882	.0882	.0841	.1492	.2750	.0950
28	.156	.0761	.0701	.0660	.1249	.2302	.0795
29	.161	.0435	.0435	.0394	.0798	.1471	.0508
30	.167	.0375	.0375	.0334	.0725	.1336	.0462
31	.172	.0330	.0330	.0289	.0673	.1241	.0429
32	.178	.0316	.0316	.0275	.0693	.1277	.0441
33	.183	.0336	.0336	.0295	.0862	.1477	.0510
34	.189	.0361	.0361	.0320	.0787	.1413	.0488
35	.194	.0220	.0220	.0179	.0572	.1055	.0364
36	.200	.0231	.0231	.0190	.0663	.1222	.0422
37	.206	.0253	.0253	.0212	.0809	.1491	.0515
38	.211	.0218	.0218	.0177	.0724	.1344	.0465
39	.217	.0164	.0164	.0123	.0565	.1041	.0360
40	.222	.0134	.0134	.0093	.0445	.0812	.0315
41	.228	.0133	.0133	.0088	.0487	.0899	.0310
42	.233	.0097	.0105	.0064	.0352	.0723	.0250
43	.239	.0086	.0089	.0048	.0326	.0601	.0207
44	.244	.0092	.0085	.0045	.0340	.0627	.0217
45	.250	.0078	.0073	.0032	.0289	.0496	.0171
46	.256	.0093	.0093	.0017	.0184	.0303	.0165
47	.261	.0059	.0057	.0016	.0169	.0311	.0107
48	.267	.0059	.0056	.0015	.0177	.0326	.0113
49	.272	.0044	.0047	.0006	.0076	.0140	.0048
50	.278	.0031	.0040	.0000	.0000	.0000	.0000
51	.283	.0034	.0037	.0000	.0000	.0000	.0000
52	.289	.0040	.0042	.0001	.0022	.0040	.0014
53	.294	.0060	.0054	.0013	.0283	.0522	.0180
54	.300	.0060	.0055	.0014	.0346	.0638	.0220
55	.306	.0033	.0039	.0000	.0000	.0000	.0000
56	.311	.0022	.0024	.0000	.0000	.0000	.0000
57	.317	.0043	.0038	.0000	.0000	.0000	.0000
58	.322	.0051	.0046	.0005	.0218	.0402	.0139
59	.328	.0036	.0038	.0000	.0000	.0000	.0000
60	.333	.0026	.0031	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

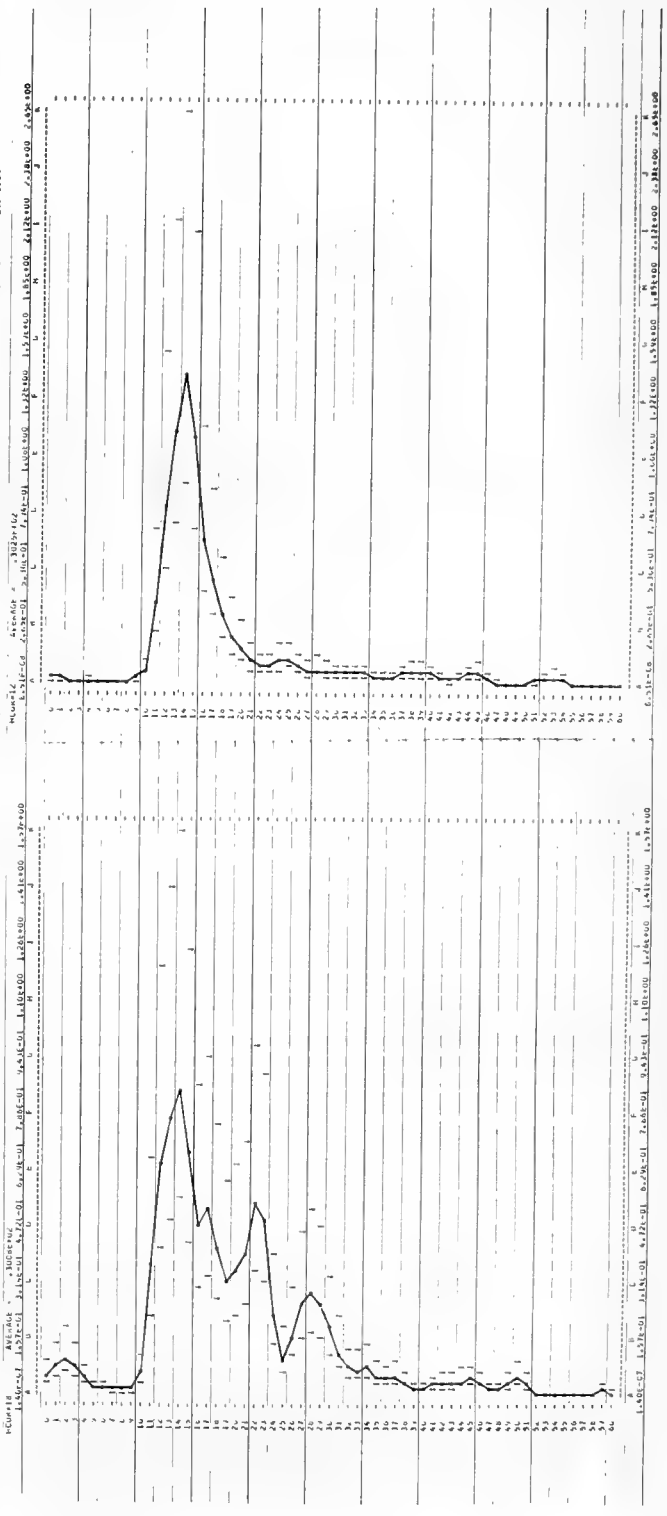
DATE = 28/ 3/59 Av. T= Av. = REGION = JH 4
HOUR = 12 SIG.HGT. = 11.6
TOTAL OF =109 CONF. VAR. = 8.5
NOISE LEVEL = .0027 WIND SPEED = 20

M	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CONF.FT.2	UPPER	LOWER
0	.000	.0187	.0160	.0160	.0295		.0102
1	.006	.0160	.0160	.0133	.0268		.0085
2	.011	.0099	.0099	.0072	.0132		.0046
3	.017	.0091	.0091	.0064	.0119		.0041
4	.022	.0099	.0099	.0072	.0133		.0046
5	.028	.0098	.0098	.0071	.0132		.0046
6	.033	.0061	.0061	.0034	.0099		.0034
7	.039	.0063	.0063	.0036	.0098		.0031
8	.044	.0060	.0060	.0033	.0092		.0029
9	.050	.0147	.0170	.0189	.0348		.0120
10	.056	.0826	.0826	.0599	.0636		.0405
11	.061	.2765	.2765	.2678	.2816		.2704
12	.067	.8089	.8089	.8062	.8270		.7942
13	.072	1.1308	1.1308	1.1281	1.1656		1.1484
14	.078	1.2907	1.2907	1.2880	1.3366		1.3179
15	.083	1.0784	1.0784	1.0757	1.1310		1.0472
16	.089	.6146	.6146	.6119	.6506		.5792
17	.094	.4633	.4633	.4606	.4862		.4348
18	.100	.2815	.2788	.2761	.3174		.2349
19	.106	.1886	.1886	.1859	.2195		.1523
20	.111	.1263	.1236	.1209	.1518		.0899
21	.117	.0777	.0750	.0723	.0961		.0485
22	.122	.0558	.0558	.0531	.0713		.0349
23	.128	.0578	.0578	.0551	.0737		.0365
24	.133	.0724	.0724	.0697	.0912		.0482
25	.139	.0698	.0698	.0671	.0855		.0487
26	.144	.0636	.0636	.0609	.0782		.0436
27	.150	.0319	.0319	.0292	.0417		.0167
28	.156	.0375	.0375	.0348	.0458		.0239
29	.161	.0293	.0293	.0266	.0339		.0193
30	.167	.0234	.0234	.0207	.0269		.0146
31	.172	.0229	.0229	.0202	.0270		.0134
32	.178	.0220	.0220	.0193	.0286		.0099
33	.183	.0192	.0192	.0165	.0222		.0108
34	.189	.0130	.0130	.0103	.0133		.0073
35	.194	.0111	.0111	.0084	.0108		.0061
36	.200	.0101	.0101	.0076	.0085		.0067
37	.206	.0132	.0132	.0106	.0142		.0056
38	.211	.0171	.0171	.0144	.0202		.0086
39	.217	.0147	.0147	.0120	.0149		.0091
40	.222	.0112	.0112	.0085	.0129		.0073
41	.228	.0096	.0096	.0058	.0098		.0026
42	.233	.0067	.0067	.0040	.0066		.0021
43	.239	.0057	.0069	.0036	.0063		.0019
44	.244	.0116	.0089	.0063	.0074		.0062
45	.250	.0095	.0089	.0062	.0071		.0062
46	.256	.0051	.0058	.0031	.0047		.0019
47	.261	.0035	.0038	.0011	.0015		.0013
48	.267	.0029	.0030	.0003	.0007		.0003
49	.272	.0026	.0026	.0000	.0000		.0000
50	.278	.0024	.0027	.0000	.0000		.0000
51	.283	.0035	.0035	.0008	.0135		.0006
52	.289	.0049	.0065	.0038	.0249		.0026
53	.294	.0047	.0045	.0018	.0126		.0011
54	.300	.0037	.0037	.0010	.0246		.0007
55	.306	.0029	.0027	.0000	.0001		.0000
56	.311	.0022	.0022	.0000	.0000		.0000
57	.317	.0021	.0020	.0000	.0000		.0000
58	.322	.0014	.0013	.0000	.0000		.0000
59	.328	.0011	.0012	.0006	.0000		.0000
60	.333	.0013	.0012	.0000	.0000		.0000

SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 3/59 Av. T= Av. = REGION = JH 4
HOUR = 18 SIG.HGT. = 12.4
TOTAL OF =218 CONF. VAR. = %
NOISE LEVEL = .0043 WIND SPEED = 30

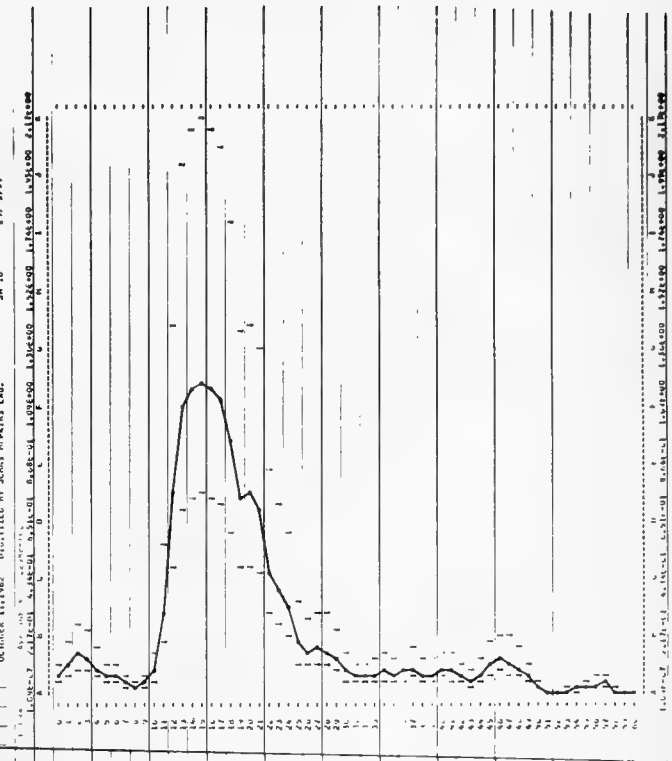
M	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CONF.FT.2	UPPER	LOWER
0	.000	.0559	.0559	.0515	.0515	.0950	.0338
1	.006	.0810	.0767	.0767	.1414	.0508	
2	.011	.1055	.1011	.1011	.1864	.0664	
3	.017	.0847	.0804	.0804	.1482	.0512	
4	.022	.0468	.0425	.0425	.0783	.0270	
5	.028	.0213	.0170	.0170	.0313	.0108	
6	.033	.0133	.0090	.0142	.0261	.0090	
7	.039	.0122	.0079	.0105	.0193	.0067	
8	.044	.0134	.0090	.0168	.0198	.0086	
9	.050	.0129	.0086	.0095	.0175	.0060	
10	.056	.0613	.0569	.0605	.1115	.0385	
11	.061	.1490	.1447	.2576	.4742	.1627	
12	.067	.0398	.0398	.0355	.0516	1.2010	.0349
13	.072	.7492	.7492	.7449	1.4088	.4866	
14	.078	.8284	.8241	.8241	1.5760	.5431	
15	.083	.6416	.6416	.6373	1.4700	1.2749	.4206
16	.089	.4490	.4490	.4446	.4728	.4714	.3010
17	.094	.4704	.4704	.4661	.2143	.5678	.3276
18	.100	.3829	.3829	.3586	.4082	.7524	.2599
19	.106	.2772	.2772	.2725	.3221	.5933	.2051
20	.111	.2887	.2844	.2844	.3492	.6437	.2226
21	.117	.3065	.3065	.3022	.3873	.7138	.2466
22	.122	.4009	.4004	.3960	.5323	.9812	.3390
23	.128	.3868	.3868	.3825	.5096	.8894	.3072
24	.133	.1476	.1476	.1432	.2136	.3926	.1356
25	.139	.0676	.0676	.0633	.0996	.1836	.0634
26	.144	.1010	.1010	.0967	.1613	.2972	.1027
27	.150	.1424	.1424	.1381	.2449	.4514	.1559
28	.156	.1522	.1522	.1479	.2798	.5157	.1782
29	.161	.1307	.1307	.1263	.2536	.4711	.1627
30	.167	.0883	.0883	.0840	.1823	.3360	.1161
31	.172	.0541	.0541	.0498	.1161	.2139	.0739
32	.178	.0330	.0286	.0286	.0721	.1328	.0459
33	.183	.0292	.0292	.0249	.0676	.1246	.0430
34	.189	.0300	.0300	.0257	.0758	.1396	.0462
35	.194	.0260	.0260	.0217	.0502	.0925	.0319
36	.200	.0160	.0160	.0117	.0467	.0751	.0259
37	.206	.0179	.0179	.0136	.0517	.0953	.0329
38	.211	.0132	.0132	.0089	.0371	.0683	.0236
39	.217	.0085	.0085	.0042	.0191	.0352	.0122
40	.222	.0085	.0085	.0041	.0208	.0384	.0133
41	.228	.0090	.0090	.0046	.0257	.0473	.0163
42	.233	.0049	.0049	.0006	.0302	.0557	.0193
43	.239	.0091	.0092	.0049	.0334	.0616	.0213
44	.244	.0094	.0094	.0051	.0366	.0731	.0248
45	.250	.0106	.0098	.0054	.0458	.0844	.0292
46	.256	.0084	.0084	.0040	.0380	.0700	.0242
47	.261	.0069	.0059	.0018	.0169	.0311	.0107
48	.267	.0050	.0055	.0011	.0134	.0243	.0085
49	.272	.0075	.0070	.0026	.0350	.0645	.0223
50	.278	.0086	.0078	.0034	.0519	.0957	.0330
51	.283	.0062	.0063	.0020	.0342	.0631	.0218
52	.289	.0039	.0045	.0001	.0022	.0041	.0014
53	.294	.0037	.0039	.0000	.0000	.0000	.0000
54	.300	.0041	.0041	.0002	.0000	.0000	.0000
55	.306	.0046	.0043	.0000	.0000	.0000	.0000
56	.311	.0038	.0038	.0000	.0000	.0000	.0000
57	.317	.0028	.0034	.0000	.0000	.0000	.0000
58	.322	.0045	.0041	.0000	.0000	.0000	.0000
59	.328	.0048	.0045	.0003	.0000	.0000	.0093
60	.333	.0041	.0044	.0001	.0053	.0097	.0014



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/39 AV. I= N.3 REGLAD = JH 10
HOUR = 0 SIG.HGT. = 15.2
TOTAL DP =198 CORR. VAR. = 14.4
NOISE LEVEL = .0080 WIND SPEED = 35

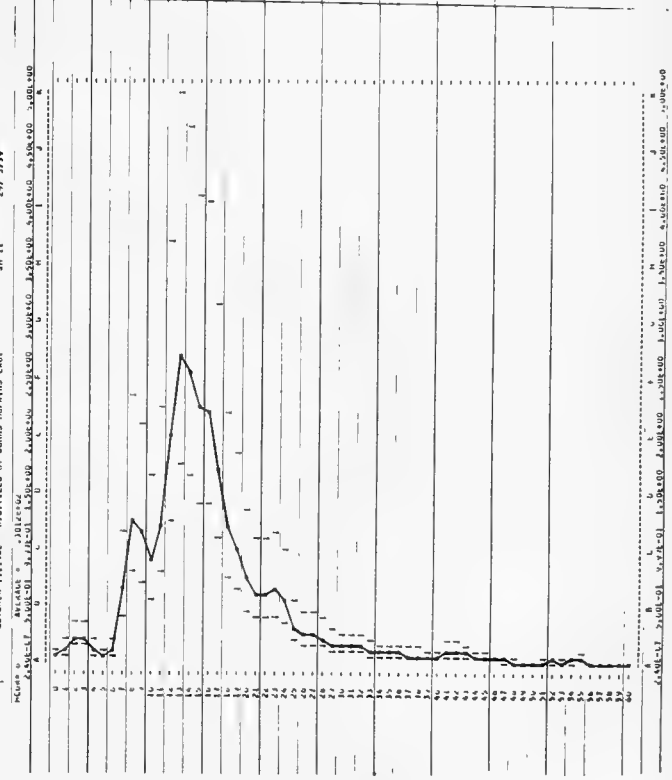
N	FRE.	UNITSPT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0851	.0491	.0591	.0591	.1089	.0376
1	.006	.1107	.1107	.1047	.1047	.1930	.0667
2	.011	.1517	.1517	.1457	.1457	.2686	.0928
3	.017	.1307	.1307	.1247	.1247	.2299	.0796
4	.022	.0992	.0992	.0932	.0932	.1719	.0596
5	.028	.0702	.0702	.0642	.0642	.1184	.0409
6	.033	.0465	.0465	.0405	.0638	.1175	.0406
7	.039	.0346	.0346	.0287	.0380	.0701	.0242
8	.044	.0291	.0291	.0232	.0276	.0508	.0176
9	.050	.0367	.0367	.0307	.0391	.0721	.0249
10	.056	.0822	.0822	.0763	.0811	.1496	.0518
11	.061	.1052	.1052	.0992	.1105	.1977	.0722
12	.067	.1633	.1633	.1573	.1963	.3239	.0815
13	.072	1.0568	1.0568	1.0509	1.0782	1.9872	.6865
14	.078	1.1221	1.1221	1.1161	1.1592	2.1292	.7358
15	.083	1.1262	1.1262	1.1202	1.1778	2.1704	.7500
16	.089	1.0901	1.0901	1.0841	1.1528	2.1267	.7340
17	.094	1.0183	1.0183	1.0123	1.1170	2.0588	.7117
18	.100	.8496	.8496	.8436	.9603	1.7700	.6115
19	.106	.6382	.6382	.6322	.7443	1.3755	.4792
20	.111	.6209	.6209	.6149	.7551	1.3918	.4808
21	.117	.5543	.5543	.5483	.7028	1.2954	.4475
22	.122	.3515	.3515	.3455	.4838	.8949	.2953
23	.128	.2853	.2853	.2793	.3940	.7262	.2509
24	.133	.2281	.2281	.2221	.3362	.6087	.2103
25	.139	.1246	.1246	.1186	.1843	.3436	.1186
26	.144	.0984	.0984	.0925	.1542	.2863	.0982
27	.150	.1018	.1018	.0959	.1700	.3134	.1083
28	.156	.0907	.0907	.0847	.1402	.2594	.1020
29	.161	.0888	.0888	.0828	.1231	.2363	.0809
30	.167	.0420	.0420	.0360	.0782	.1491	.0498
31	.172	.0306	.0306	.0246	.0576	.1058	.0365
32	.178	.0288	.0288	.0228	.0574	.1057	.0365
33	.183	.0319	.0319	.0259	.0703	.1296	.0448
34	.189	.0333	.0333	.0273	.0805	.1485	.0513
35	.194	.0279	.0279	.0220	.0703	.1296	.0448
36	.200	.0303	.0303	.0243	.0848	.1564	.0540
37	.206	.0304	.0304	.0244	.0930	.1714	.0592
38	.211	.0222	.0222	.0162	.0676	.1246	.0431
39	.217	.0211	.0211	.0151	.0691	.1273	.0440
40	.222	.0233	.0233	.0173	.0871	.1606	.0555
41	.228	.0206	.0199	.0139	.0772	.1423	.0492
42	.233	.0140	.0193	.0094	.0575	.1060	.0366
43	.239	.0115	.0130	.0070	.0478	.0881	.0304
44	.244	.0153	.0151	.0091	.0492	.1275	.0440
45	.250	.0196	.0184	.0126	.1048	.1932	.0667
46	.256	.0196	.0190	.0130	.1232	.2271	.0785
47	.261	.0127	.0173	.0113	.1192	.2197	.0759
48	.267	.0141	.0140	.0080	.0952	.1754	.0606
49	.272	.0096	.0102	.0042	.0560	.1032	.0356
50	.278	.0076	.0076	.0016	.0224	.0412	.0142
51	.283	.0059	.0059	.0000	.0000	.0000	.0000
52	.289	.0058	.0057	.0000	.0000	.0000	.0000
53	.294	.0065	.0063	.0003	.0076	.0137	.0047
54	.300	.0066	.0066	.0006	.0180	.0295	.0142
55	.306	.0069	.0068	.0008	.0239	.0441	.0152
56	.311	.0069	.0069	.0009	.0289	.0551	.0190
57	.317	.0071	.0069	.0009	.0327	.0603	.0201
58	.322	.0067	.0067	.0007	.0315	.0579	.0667
59	.328	.0064	.0048	.0000	.0000	.0000	.0000
60	.333	.0064	.0050	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 23/ 3/54 AV. I= 10.0 REGLAD = JH 11
HOUR = 6 SIG.HGT. = 21.0
TOTAL DP =183 CORR. VAR. = 27.4
NOISE LEVEL = .0095 WIND SPEED = 35

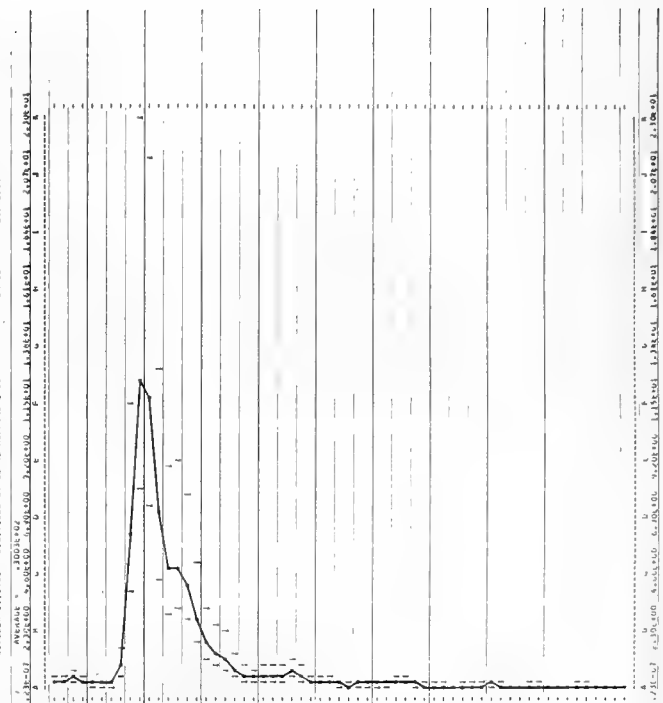
N	FRE.	UNITSPT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0573	.0573	.0478	.0478	.0841	.0364
1	.006	.1134	.1134	.1040	.1040	.1916	.0662
2	.011	.2126	.2126	.2031	.2031	.3744	.1293
3	.017	.1594	.1594	.1499	.1594	.2885	.1273
4	.022	.1085	.1085	.0991	.0991	.1826	.0631
5	.028	.0575	.0575	.0480	.0486	.0885	.0306
6	.033	.0773	.0773	.0678	.1008	.1969	.0680
7	.039	.4838	.4838	.4744	.5296	1.1609	.4010
8	.044	1.0883	1.0883	1.0588	1.2606	2.3238	.8026
9	.050	1.0286	1.0286	1.0191	1.1311	2.0848	.7202
10	.056	.8574	.8574	.8479	.9014	1.8613	.5739
11	.061	1.1857	1.1857	1.1762	1.2203	2.4492	.7770
12	.067	1.9575	1.9575	1.9481	1.9981	3.6829	1.2733
13	.072	2.6512	2.6512	2.6418	2.7105	4.9958	1.7259
14	.078	2.4734	2.4734	2.4639	2.5501	4.7003	1.6238
15	.083	2.1267	2.1267	2.1172	2.2261	4.1030	1.4174
16	.089	2.0729	2.0729	2.0635	2.1961	4.0461	1.3941
17	.094	1.5596	1.5596	1.5502	1.7105	3.1526	1.0841
18	.100	1.0578	1.0578	1.0483	1.1934	2.1996	.7599
19	.106	.8633	.8633	.8539	1.0080	1.8577	.6418
20	.111	.6010	.6010	.5915	.7264	1.3388	.4625
21	.117	.4800	.4800	.4705	.6031	1.1115	.3840
22	.122	.4578	.4578	.4483	.6019	1.1093	.3832
23	.128	.4538	.4538	.4443	.6267	1.1552	.3991
24	.133	.3681	.3681	.3586	.5333	.9829	.3396
25	.139	.1929	.1929	.1834	.2885	.5318	.1837
26	.144	.1477	.1477	.1382	.2306	.4250	.1468
27	.150	.1460	.1460	.1365	.2422	.4464	.1542
28	.156	.1218	.1218	.1124	.2126	.3918	.1353
29	.161	.0928	.0928	.0833	.1685	.3106	.1073
30	.167	.0682	.0682	.0598	.1276	.2351	.0812
31	.172	.0717	.0622	.0538	.1452	.2675	.0924
32	.178	.0649	.0649	.0554	.1345	.2572	.0889
33	.183	.0479	.0479	.0385	.1046	.1927	.0666
34	.189	.0376	.0376	.0282	.0830	.1530	.0529
35	.194	.0359	.0359	.0265	.0848	.1563	.0540
36	.200	.0343	.0343	.0248	.0806	.1596	.0551
37	.206	.0285	.0285	.0191	.0726	.1338	.0462
38	.211	.0264	.0264	.0170	.0708	.1305	.0451
39	.217	.0197	.0197	.0102	.0469	.0865	.0299
40	.222	.0201	.0201	.0106	.0534	.0984	.0340
41	.228	.0335	.0288	.0194	.1077	.1985	.0686
42	.233	.0295	.0283	.0188	.1157	.2133	.0737
43	.239	.0181	.0206	.0112	.0762	.1404	.0485
44	.244	.0184	.0184	.0090	.0527	.0972	.0336
45	.250	.0142	.0146	.0051	.0433	.0798	.0276
46	.256	.0140	.0137	.0042	.0345	.0724	.0252
47	.261	.0127	.0127	.0031	.0324	.0597	.0208
48	.267	.0101	.0107	.0012	.0142	.0262	.0091
49	.272	.0094	.0097	.0002	.0031	.0057	.0020
50	.278	.0098	.0098	.0003	.0050	.0092	.0032
51	.283	.0109	.0106	.0011	.0195	.0359	.0124
52	.289	.0116	.0140	.0016	.0306	.0564	.0195
53	.294	.0089	.0105	.0010	.0219	.0404	.0140
54	.300	.0108	.0107	.0012	.0313	.0577	.0199
55	.306	.0124	.0113	.0018	.0530	.0976	.0337
56	.311	.0092	.0097	.0002	.0073	.0134	.0046
57	.317	.0076	.0079	.0000	.0000	.0000	.0000
58	.322	.0073	.0074	.0000	.0000	.0000	.0000
59	.328	.0074	.0075	.0000	.0000	.0000	.0000
60	.333	.0065	.0080	.0000	.0000	.0000	.0000



SPECTRA BROADCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 27/ 3/54 AV. T= 12.6 RECORD = JM 13
HOUR = 9 SIG.NGE. = 33.1
TOTAL LP =100 CUMM. VAR. = 88.9
NOISE LEVEL = .0117 WIND SPEED = 30

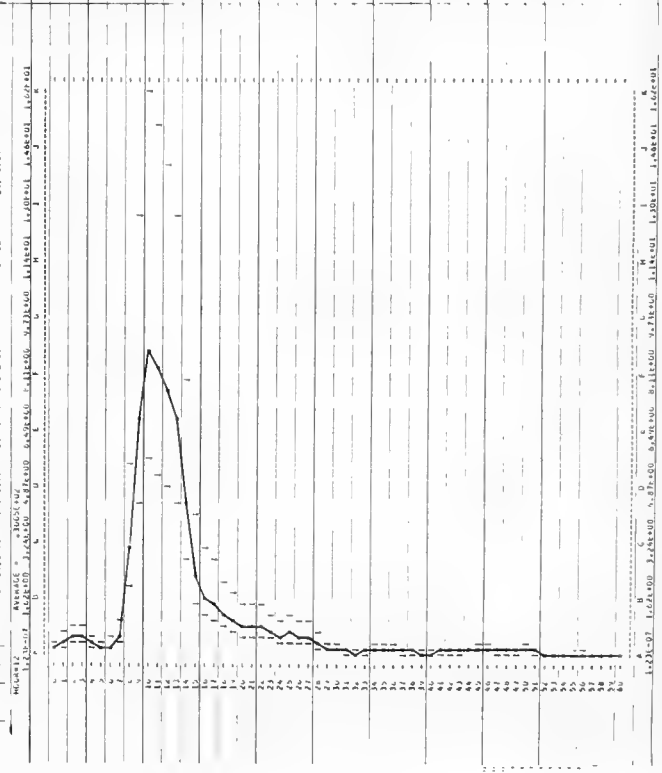
N	FREQ.	UNIT-PT.2	FILTERED	LESS NOISE	CUMM.PT.2	UPPER	LOWER
0	.000	.2291	.2251	.2132	.2132	.3930	.1358
1	.006	.3175	.3175	.3056	.3056	.5633	.1946
2	.011	.3878	.3878	.3759	.3759	.6928	.2393
3	.017	.4345	.4345	.4226	.4226	.7708	.2745
4	.022	.1838	.1838	.1719	.1719	.3184	.1095
5	.028	.1810	.1810	.1761	.1761	.3248	.1141
6	.033	.1033	.1033	.0914	.1440	.2655	.0917
7	.039	.0293	.0293	.0174	.0548	.1110	.0220
8	.044	5.2947	5.2947	5.2828	6.4907	11.5947	4.0036
9	.050	11.2923	11.2923	11.2804	12.9759	22.9934	7.9439
10	.056	10.9824	10.9824	10.9705	11.6816	21.4940	7.4254
11	.061	6.7842	6.7842	6.7723	7.4289	12.9563	4.4732
12	.067	4.7421	4.7421	4.7302	4.8910	8.9426	3.0893
13	.072	4.8283	4.8283	4.8164	4.9416	9.1081	3.1465
14	.078	4.0842	4.0842	4.0723	4.4498	7.7885	2.6837
15	.083	2.8209	2.8209	2.8090	2.7430	5.0557	1.7466
16	.089	1.6769	1.6769	1.6650	1.7840	3.2514	1.1232
17	.094	1.2764	1.2764	1.2645	1.2853	2.5717	.8884
18	.100	1.0567	1.0567	1.0448	1.1845	2.1421	.7573
19	.106	.9364	.9364	.9245	.7732	1.3587	.4994
20	.111	.3724	.3724	.3605	.4427	.8159	.2819
21	.117	.3411	.3411	.3292	.4214	.7776	.2686
22	.122	.3391	.3391	.3272	.3148	.5980	.2330
23	.128	.3823	.3823	.3704	.5225	.9630	.3347
24	.133	.3589	.3589	.3470	.5161	.9512	.3286
25	.139	.3783	.3783	.3664	.5763	1.0623	.3670
26	.144	.2792	.2792	.2633	.4343	.8047	.2747
27	.150	.1507	.1507	.1388	.2462	.4538	.1568
28	.156	.1237	.1237	.1118	.2115	.3898	.1346
29	.161	.1145	.1145	.1026	.2076	.3827	.1322
30	.167	.0755	.0755	.0636	.1380	.2544	.0879
31	.172	.0551	.0551	.0432	.1008	.1858	.0642
32	.178	.0446	.0446	.0327	.1326	.2443	.0845
33	.183	.0667	.0667	.0548	.1490	.2746	.0949
34	.189	.0587	.0587	.0468	.1380	.2544	.0879
35	.194	.0445	.0445	.0326	.1683	.3102	.1072
36	.200	.0714	.0714	.0595	.2077	.3829	.1323
37	.206	.0862	.0862	.0743	.2064	.3811	.1317
38	.211	.0442	.0442	.0323	.1347	.2484	.0858
39	.217	.0287	.0287	.0168	.0772	.1423	.0492
40	.222	.0296	.0296	.0177	.0493	.1645	.0568
41	.228	.0232	.0242	.0123	.0686	.1265	.0437
42	.233	.0200	.0214	.0095	.0588	.1081	.0373
43	.239	.0238	.0228	.0109	.0744	.1371	.0474
44	.244	.0242	.0241	.0122	.0925	.1705	.0589
45	.250	.0245	.0245	.0126	.1066	.1964	.0679
46	.256	.0272	.0242	.0130	.1223	.2254	.0779
47	.261	.0207	.0266	.0087	.0918	.1691	.0584
48	.267	.0166	.0137	.0018	.0219	.0403	.0139
49	.272	.0175	.0131	.0012	.0158	.0291	.0101
50	.278	.0192	.0167	.0048	.0719	.1325	.0458
51	.283	.0162	.0137	.0038	.0648	.1196	.0412
52	.289	.0098	.0112	.0007	.0000	.0000	.0000
53	.294	.0080	.0092	.0000	.0000	.0000	.0000
54	.300	.0168	.0110	.0000	.0000	.0000	.0000
55	.306	.0165	.0146	.0027	.0776	.1431	.0494
56	.311	.0158	.0149	.0027	.0754	.1393	.0480
57	.317	.0100	.0111	.0000	.0000	.0000	.0000
58	.322	.0073	.0087	.0000	.0000	.0000	.0000
59	.328	.0110	.0122	.0000	.0000	.0000	.0000
60	.333	.0143	.0124	.0005	.0313	.0577	.0199



SPECTRA BROADCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 27/ 3/53 AV. T= 11.4 RECORD = JM 12
HOUR = 12 SIG.NGE. = 32.1
TOTAL LP =120 CUMM. VAR. = 84.4
NOISE LEVEL = .0142 WIND SPEED = 30

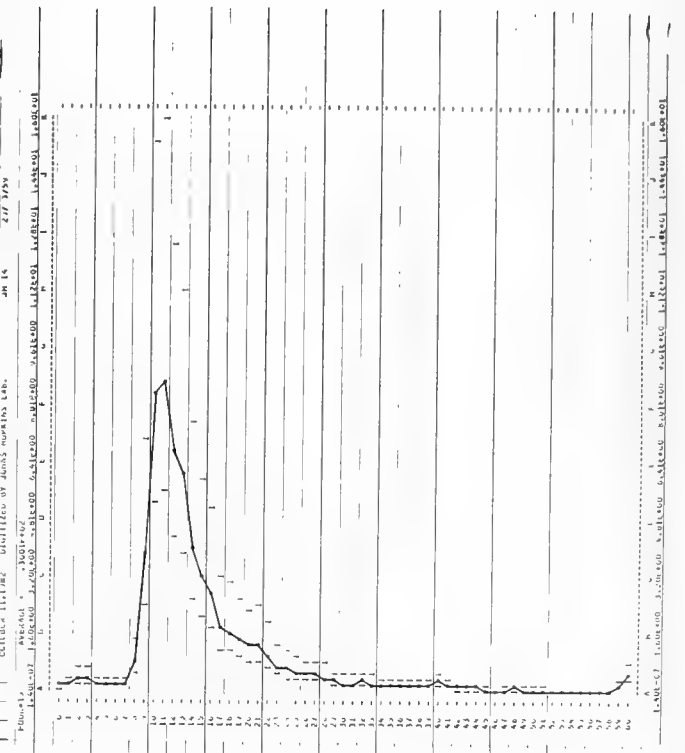
N	FREQ.	UNIT-PT.2	FILTERED	LESS NOISE	CUMM.PT.2	UPPER	LOWER
0	.000	.1987	.1987	.1845	.1845	.3400	.1175
1	.006	.3262	.3126	.2984	.3320	.5750	.1986
2	.011	.4867	.4867	.4724	.4724	.8708	.3008
3	.017	.4371	.4371	.4229	.4229	.7794	.2693
4	.022	.2894	.2894	.2752	.2752	.5071	.1752
5	.028	.2263	.2263	.2121	.2121	.3909	.1350
6	.033	.1859	.1859	.1717	.2369	.4366	.1508
7	.039	.3913	.3513	.3371	.5027	.9268	.3198
8	.044	2.5343	2.5343	2.5201	3.0247	5.5750	1.9259
9	.050	6.4665	6.4665	6.4523	6.6728	12.2976	4.2462
10	.056	6.4614	6.4614	6.4472	8.9742	16.5382	5.7098
11	.061	7.4901	7.4901	7.4759	8.4750	15.6200	5.3940
12	.067	7.4559	7.4559	7.4417	7.9232	14.6086	5.0462
13	.072	6.7032	6.7032	6.6889	6.8829	12.6893	4.3804
14	.078	4.1591	4.1591	4.1449	4.3311	7.9833	2.7574
15	.083	2.0974	2.0974	2.0831	2.1367	4.0360	1.3946
16	.089	1.5827	1.5827	1.5685	1.6877	3.0939	1.0819
17	.094	1.3372	1.3372	1.3230	1.4598	2.6908	.9295
18	.100	1.0243	1.0243	1.0101	1.1499	2.1195	.7322
19	.106	.8363	.8363	.8221	.9705	1.7887	.6174
20	.111	.6866	.6866	.6724	.8257	1.5214	.5258
21	.117	.6134	.6134	.5992	.7686	1.4136	.4890
22	.122	.6140	.6140	.5998	.6052	1.1484	.3127
23	.128	.4872	.4872	.4730	.5359	1.0777	.4088
24	.133	.3827	.3827	.3585	.5480	1.0101	.3489
25	.139	.3818	.3818	.3676	.5782	1.0658	.3682
26	.144	.3537	.3537	.3396	.5866	1.0444	.3608
27	.150	.2674	.2674	.2532	.3030	.5272	.1203
28	.156	.1868	.1868	.1726	.3227	.5948	.2055
29	.161	.1722	.1722	.1584	.2824	.5026	.1391
30	.167	.0965	.0965	.0823	.1786	.3291	.1137
31	.172	.0522	.0522	.0380	.0887	.1634	.0564
32	.178	.0360	.0360	.0218	.0599	.1104	.0381
33	.183	.0445	.0445	.0303	.0826	.1518	.0524
34	.189	.0405	.0405	.0263	.1365	.2516	.0869
35	.194	.0765	.0602	.0460	.1422	.2554	.1228
36	.200	.0570	.0570	.0428	.1562	.2880	.0995
37	.206	.0345	.0345	.0203	.0762	.1773	.0612
38	.211	.0358	.0358	.0216	.1025	.1888	.0652
39	.217	.0364	.0364	.0222	.0761	.1403	.0485
40	.222	.0279	.0279	.0137	.0691	.1273	.0440
41	.228	.0268	.0268	.0126	.1021	.1881	.0650
42	.233	.0335	.0331	.0189	.1162	.2143	.0740
43	.239	.0291	.0304	.0166	.1130	.2082	.0719
44	.244	.0312	.0314	.0171	.1306	.2396	.0828
45	.250	.0367	.0340	.0198	.1472	.2081	.1064
46	.256	.0313	.0316	.0168	.1586	.2921	.1009
47	.261	.0275	.0244	.0102	.1078	.1987	.0686
48	.267	.0174	.0213	.0071	.0937	.1543	.0533
49	.272	.0245	.0237	.0095	.1265	.2332	.0806
50	.278	.0242	.0242	.0100	.1042	.1340	.1154
51	.283	.0256	.0212	.0070	.1198	.2208	.0763
52	.289	.0122	.0142	.0000	.0000	.0000	.0000
53	.294	.0107	.0111	.0000	.0000	.0000	.0000
54	.300	.0140	.0138	.0000	.0000	.0000	.0000
55	.306	.0175	.0162	.0026	.0568	.1046	.0362
56	.311	.0159	.0159	.0017	.0597	.0499	.0345
57	.317	.0141	.0142	.0000	.0002	.0004	.0001
58	.322	.0118	.0129	.0000	.0000	.0000	.0000
59	.328	.0110	.0118	.0000	.0000	.0000	.0000
60	.333	.0077	.0107	.0000	.0000	.0000	.0000



SPECTRA MINCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/59 AV. TM = 16.3 RECORD = JH 14
MUX = 15 SIG.HGT. = 31.5
TOTAL OF =110 CURR. VAR. = 81.8
NOISE LEVEL = .0183 WIND SPEED = 30

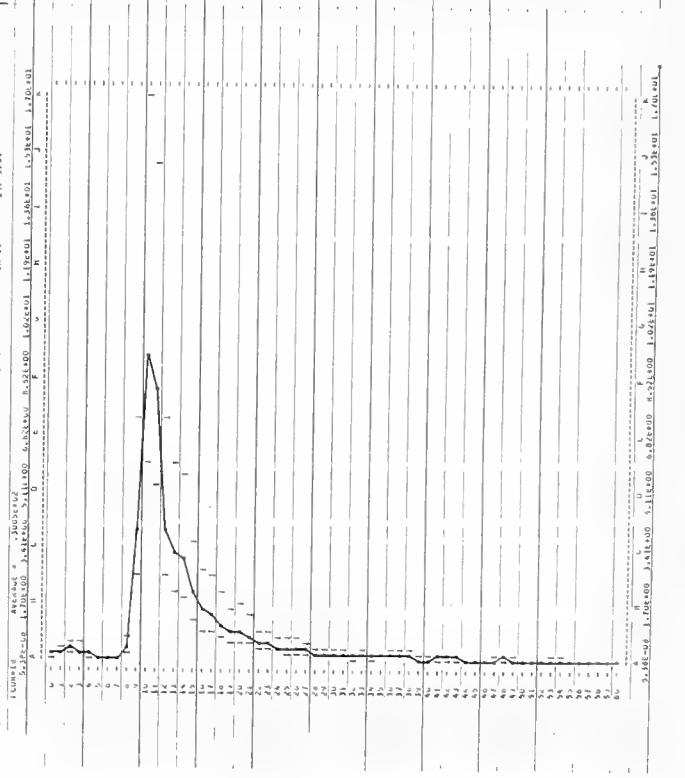
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.1091	.1091	.0728	.0908	.1710	.0591
1	.006	.2238	.2238	.2073	.1621	.3321	.1320
2	.011	.3572	.3572	.3409	.3409	.4282	.2170
3	.017	.3316	.3316	.3153	.3153	.3970	.2007
4	.022	.2317	.2317	.2154	.2154	.3070	.1371
5	.028	.1833	.1833	.1670	.1670	.2078	.1063
6	.033	.1433	.1433	.1270	.1062	.2689	.1274
7	.039	.1400	.1400	.1237	.1043	.3028	.1046
8	.044	.7078	.7078	.6915	.4234	1.5176	.3243
9	.050	3.6473	3.6473	3.6260	1.8025	7.0086	1.4212
10	.056	7.8714	7.8714	7.8551	8.3500	15.3703	5.3168
11	.061	8.3936	8.3936	8.3775	8.6916	16.0194	5.5363
12	.067	6.5922	6.5922	6.5759	6.7444	12.4319	4.2948
13	.072	5.9201	5.9201	5.9038	6.0573	11.1845	3.8569
14	.078	3.7432	3.7432	3.7269	4.0043	7.4912	2.5879
15	.083	3.0646	3.0646	3.0483	3.2656	5.9073	2.0408
16	.089	2.6471	2.6471	2.6308	2.7973	5.1559	1.7812
17	.094	1.9927	1.9927	1.9764	1.7364	3.2080	1.1076
18	.100	1.4837	1.4837	1.4674	1.0765	1.9789	1.0836
19	.106	1.2187	1.2187	1.2024	1.4194	2.6163	.9038
20	.111	1.0383	1.0383	1.0220	1.2581	2.3133	.7941
21	.117	1.0581	1.0581	1.0418	1.1352	2.4010	.8502
22	.122	.7716	.7716	.7553	1.0137	1.8688	.6456
23	.128	.4885	.4885	.4722	.8681	1.2227	.4241
24	.133	.4184	.4184	.4021	.5979	1.1021	.3817
25	.139	.3271	.3271	.3108	.4889	.9010	.3113
26	.144	.2612	.2612	.2509	.4183	.7714	.2665
27	.150	.2782	.2782	.2619	.4644	.8560	.2957
28	.156	.2263	.2263	.2100	.3974	.7324	.2536
29	.161	.1579	.1579	.1416	.2965	.5281	.1824
30	.167	.1211	.1211	.1048	.2275	.4193	.1449
31	.172	.1102	.1102	.0939	.2191	.4038	.1395
32	.178	.1174	.1174	.1011	.2544	.4689	.1620
33	.183	.1035	.1035	.0872	.2171	.4370	.1516
34	.189	.0843	.0843	.0680	.2004	.3693	.1276
35	.194	.0739	.0739	.0576	.1843	.3397	.1174
36	.200	.0625	.0625	.0462	.1612	.2971	.1026
37	.206	.0576	.0576	.0413	.1576	.2901	.1002
38	.211	.0480	.0480	.0317	.1321	.2434	.0841
39	.217	.0574	.0574	.0411	.1881	.3467	.1198
40	.222	.0736	.0736	.0573	.2886	.5323	.1839
41	.228	.0544	.0545	.0382	.2122	.3911	.1351
42	.233	.0290	.0354	.0191	.1172	.2159	.0746
43	.239	.0291	.0289	.0126	.0861	.1586	.0548
44	.244	.0304	.0284	.0121	.0916	.1688	.0583
45	.250	.0216	.0216	.0073	.0617	.1137	.0393
46	.256	.0190	.0208	.0045	.0428	.0790	.0273
47	.261	.0259	.0238	.0075	.0794	.1464	.0506
48	.267	.0257	.0245	.0082	.0672	.1792	.0619
49	.272	.0188	.0207	.0044	.0594	.1095	.0378
50	.278	.0201	.0198	.0035	.0527	.0971	.0335
51	.283	.0210	.0201	.0038	.0656	.1205	.0416
52	.289	.0181	.0183	.0020	.0352	.0722	.0250
53	.294	.0167	.0161	.0000	.0000	.0000	.0000
54	.300	.0116	.0126	.0000	.0000	.0000	.0000
55	.306	.0092	.0105	.0000	.0000	.0000	.0000
56	.311	.0124	.0121	.0000	.0000	.0000	.0000
57	.317	.0147	.0144	.0000	.0000	.0000	.0000
58	.322	.0143	.0157	.0000	.0000	.0000	.0000
59	.328	.0203	.0196	.0033	.1656	.3052	.1094
60	.333	.0269	.0236	.0073	.4233	.7802	.2615



SPECTRA MINCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/59 AV. TM = 11.3 RECORD = JH 15
MUX = 18 SIG.HGT. = 27.2
TOTAL OF = 49 CURR. VAR. = 46.4
NOISE LEVEL = .0118 WIND SPEED = 30

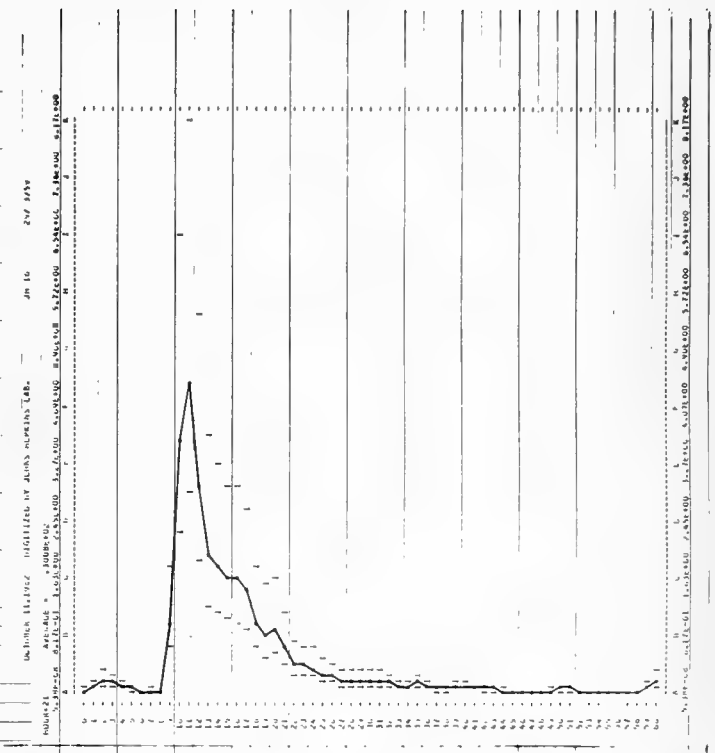
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.1679	.1679	.0961	.0961	.1771	.0612
1	.006	.1761	.1761	.1643	.1643	.3029	.1046
2	.011	.2765	.2765	.2667	.2667	.4915	.1698
3	.017	.2467	.2467	.2328	.2328	.4292	.1483
4	.022	.1805	.1805	.0886	.0886	.1634	.0564
5	.028	.0905	.0905	.0287	.0287	.0529	.0183
6	.033	.0234	.0234	.0115	.0182	.0335	.0116
7	.039	.0401	.0401	.0282	.0375	.0691	.0239
8	.044	.3192	.3192	.3073	.1880	.3746	.1330
9	.050	3.5876	3.5876	3.5758	3.0888	7.3150	2.5271
10	.056	8.7126	8.7126	8.7008	9.2490	17.0472	5.8892
11	.061	7.8512	7.8512	7.8394	8.1749	15.0875	5.2033
12	.067	3.6909	3.6909	3.6791	3.4788	7.3335	2.5335
13	.072	3.2688	3.2688	3.2570	3.2801	6.0457	2.0886
14	.078	2.9854	2.9854	2.9735	3.0776	5.6725	1.9596
15	.083	1.8864	1.8864	1.8746	1.9710	3.6328	1.2550
16	.089	1.3919	1.3801	1.3683	1.4675	2.7047	.9344
17	.094	1.2725	1.2725	1.2607	1.3516	2.5838	.8927
18	.100	.9535	.9535	.9417	1.0726	1.9754	.6826
19	.106	.7460	.7460	.7342	.8651	1.6018	.5534
20	.111	.7582	.7582	.7463	.9165	1.6893	.5836
21	.117	.5631	.5631	.5513	.7066	1.3026	.4499
22	.122	.3861	.3861	.3743	.4756	.8766	.3028
23	.128	.3417	.3417	.3298	.4452	.8575	.2962
24	.133	.2891	.2891	.2773	.4124	.7600	.2626
25	.139	.2461	.2461	.2343	.3685	.6793	.2347
26	.144	.2080	.2080	.1961	.3239	.5970	.2062
27	.150	.1565	.1565	.1446	.2585	.4728	.1633
28	.156	.1172	.1172	.1054	.1946	.3678	.1270
29	.161	.0964	.0964	.0846	.1711	.3153	.1089
30	.167	.0976	.0976	.0858	.1802	.3431	.1185
31	.172	.0748	.0748	.0630	.1670	.3209	.1038
32	.178	.0630	.0630	.0512	.1289	.2376	.0821
33	.183	.0631	.0631	.0513	.1345	.2571	.0888
34	.189	.0531	.0531	.0413	.1217	.2344	.0775
35	.194	.0547	.0547	.0429	.1372	.2530	.0874
36	.200	.0591	.0591	.0473	.1651	.3043	.1051
37	.206	.0571	.0571	.0452	.1723	.3175	.1097
38	.211	.0492	.0492	.0374	.1560	.2875	.0993
39	.217	.0292	.0292	.0173	.0795	.1465	.0506
40	.222	.0279	.0229	.0110	.0557	.1026	.0354
41	.228	.0297	.0283	.0165	.0917	.1641	.0584
42	.233	.0341	.0118	.0174	.1182	.2178	.0752
43	.239	.0274	.0263	.0165	.0988	.1820	.0629
44	.244	.0134	.0143	.0043	.0339	.0625	.0216
45	.250	.0083	.0118	.0000	.0000	.0000	.0000
46	.256	.0140	.0140	.0022	.0208	.0384	.0133
47	.261	.0207	.0187	.0069	.0732	.1350	.0466
48	.267	.0172	.0141	.0023	.0883	.1591	.0550
49	.272	.0174	.0132	.0014	.0716	.1319	.0457
50	.278	.0150	.0147	.0028	.0429	.0790	.0273
51	.283	.0090	.0112	.0000	.0000	.0000	.0000
52	.289	.0115	.0117	.0000	.0000	.0000	.0000
53	.294	.0165	.0147	.0028	.0628	.1154	.0399
54	.300	.0143	.0142	.0023	.0588	.1083	.0374
55	.306	.0104	.0118	.0000	.0000	.0000	.0000
56	.311	.0109	.0112	.0000	.0000	.0000	.0000
57	.317	.0135	.0125	.0006	.0236	.0435	.0150
58	.322	.0119	.0119	.0000	.0011	.0021	.0007
59	.328	.0094	.0100	.0000	.0000	.0000	.0000
60	.333	.0094	.0094	.0000	.0000	.0000	.0000



SPECTRA MEASUREMENTS OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 3/54 AV, T= 10.1 RECORD = JM 16
MEAN = .21 SIG.MEAN = 21.3
TOTAL DF =134 CORR. MAX. = 26.6
NOISE LEVEL = .0131 BAND SPEED = 25

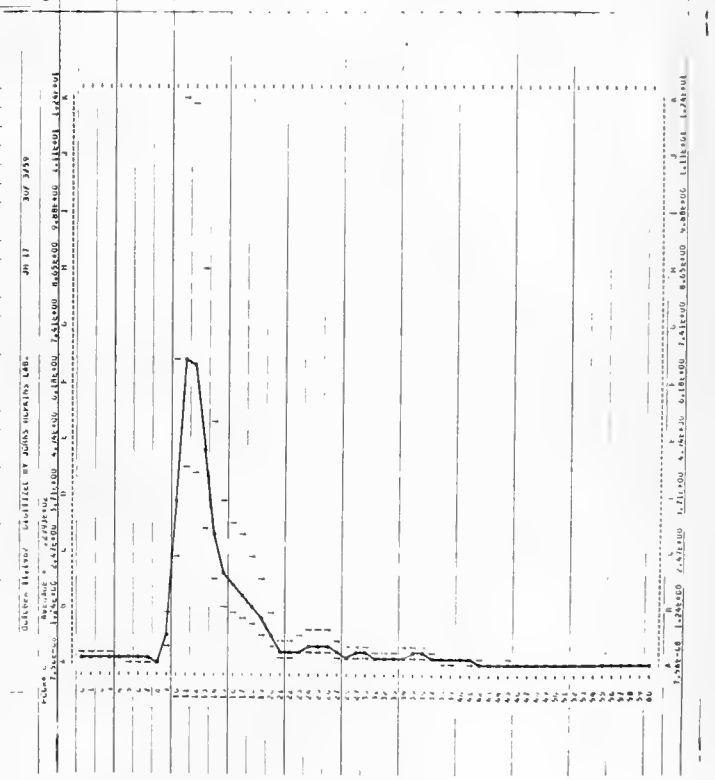
N	FREQ.	UNITAFT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0487	.0487	.0356	.0356	.0456	.0227
1	.006	.1196	.1196	.1065	.1065	.1358	.0677
2	.011	.1873	.1873	.1742	.1742	.2210	.1149
3	.017	.1948	.1944	.1814	.1818	.2614	.0903
4	.022	.1012	.1012	.0880	.0880	.1023	.0581
5	.028	.0883	.0883	.0532	.0532	.0989	.0339
6	.033	.0261	.0261	.0130	.0204	.0376	.0130
7	.039	.0304	.0304	.0173	.0210	.0423	.0146
8	.044	.0178	.0178	.0046	.0053	.0102	.0035
9	.050	.0066	.0066	.0056	.0110	.0277	.0114
10	.056	3.3849	3.3849	3.3717	3.3629	6.5870	2.4886
11	.061	4.2827	4.2827	4.2696	4.2696	8.1761	2.8239
12	.067	2.0556	2.0556	2.0425	2.0755	3.9737	1.8566
13	.072	1.9434	1.9434	1.9303	1.9465	3.6403	1.2611
14	.078	1.7196	1.7196	1.7065	1.7621	3.2678	1.1220
15	.083	1.5481	1.5481	1.5350	1.6134	2.9784	1.0276
16	.089	1.5169	1.5169	1.4998	1.5947	2.9393	1.0154
17	.094	1.3101	1.3101	1.2970	1.4311	2.6377	.9117
18	.100	.8831	.8831	.8699	.9654	1.7875	.6175
19	.106	.7159	.7159	.7027	.8246	1.5290	.5282
20	.111	.7449	.7449	.7318	.9048	1.6876	.5761
21	.117	.5133	.5102	.4970	.8410	1.5815	.4042
22	.122	.3262	.3262	.3130	.4262	.7748	.2676
23	.128	.2793	.2793	.2662	.3755	.6920	.2341
24	.133	.2424	.2424	.2292	.3404	.6283	.2171
25	.139	.1895	.1895	.1763	.2776	.5113	.1766
26	.144	.1380	.1380	.1228	.2049	.3777	.1305
27	.150	.1131	.1100	.0968	.1773	.3268	.1149
28	.156	.1087	.1087	.0955	.1807	.3331	.1151
29	.161	.1072	.1072	.0940	.1962	.3506	.1211
30	.167	.1053	.1053	.0921	.1896	.3494	.1207
31	.172	.0969	.0969	.0837	.1908	.3514	.1214
32	.178	.0734	.0802	.0670	.1516	.2793	.0965
33	.183	.0494	.0494	.0362	.0485	.1815	.0627
34	.189	.0492	.0492	.0360	.1063	.1958	.0677
35	.194	.0355	.0355	.0223	.1355	.2497	.0863
36	.200	.0438	.0438	.0306	.1088	.2489	.0680
37	.206	.0254	.0254	.0122	.0486	.0958	.0297
38	.211	.0242	.0242	.0111	.0481	.0850	.0296
39	.217	.0330	.0330	.0199	.0491	.0879	.0580
40	.222	.0339	.0339	.0208	.1048	.1921	.0687
41	.228	.0224	.0247	.0116	.0645	.1190	.0411
42	.233	.0188	.0202	.0070	.0433	.0797	.0275
43	.239	.0241	.0210	.0078	.0537	.0989	.0342
44	.244	.0171	.0173	.0042	.0316	.0583	.0201
45	.250	.0084	.0110	.0000	.0000	.0000	.0000
46	.256	.0093	.0093	.0000	.0000	.0000	.0000
47	.261	.0133	.0126	.0000	.0000	.0000	.0000
48	.267	.0146	.0143	.0012	.0143	.0264	.0091
49	.272	.0146	.0152	.0020	.0270	.0497	.0172
50	.278	.0182	.0189	.0058	.0568	.1046	.0361
51	.283	.0189	.0185	.0054	.0572	.1055	.0364
52	.289	.0124	.0138	.0007	.0137	.0252	.0087
53	.294	.0124	.0128	.0000	.0000	.0000	.0000
54	.300	.0145	.0137	.0008	.0145	.0266	.0092
55	.306	.0147	.0136	.0006	.0127	.0234	.0081
56	.311	.0094	.0105	.0000	.0000	.0000	.0000
57	.317	.0064	.0084	.0000	.0000	.0000	.0000
58	.322	.0119	.0113	.0000	.0000	.0000	.0000
59	.328	.0101	.0155	.0018	.0925	.1705	.0589
60	.333	.0155	.0138	.0021	.1556	.2868	.0991



SPECTRA MEASUREMENTS OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 30/ 3/54 AV, T= 11.1 RECORD = JM 17
MEAN = 0 SIG.MEAN = 24.6
TOTAL DF =101 CORR. MAX. = 35.5
NOISE LEVEL = .0090 BAND SPEED = 30

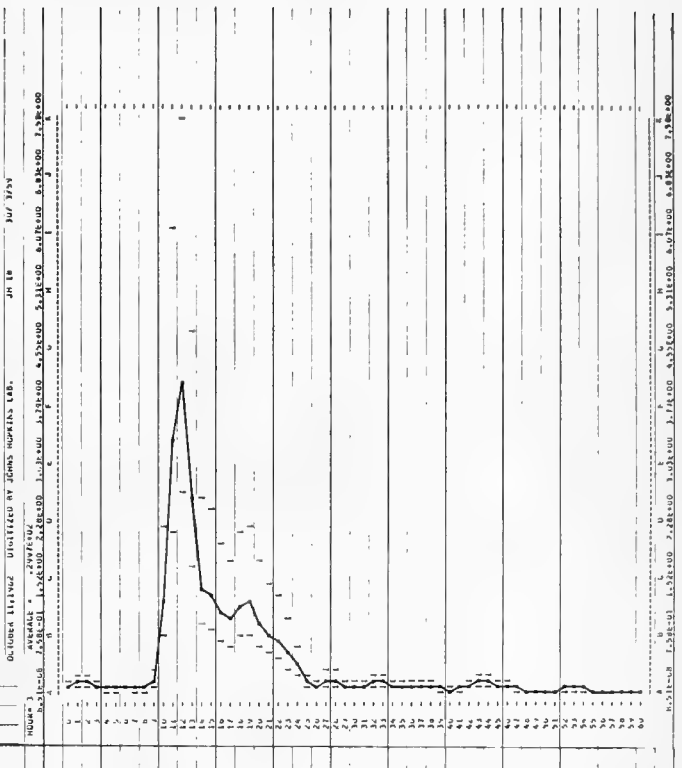
N	FREQ.	UNITAFT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1183	.1183	.1093	.1093	.2014	.0696
1	.006	.1402	.1402	.1312	.1312	.2418	.0835
2	.011	.1552	.1552	.1461	.1461	.2693	.0930
3	.017	.1417	.1417	.1327	.1327	.2445	.0845
4	.022	.1084	.1084	.0994	.0994	.1831	.0620
5	.028	.0838	.0838	.0748	.0748	.1378	.0476
6	.033	.0557	.0557	.0467	.0736	.1356	.0468
7	.039	.0575	.0575	.0485	.0644	.1187	.0410
8	.044	.0173	.0173	.0083	.0099	.0182	.0063
9	.050	.5525	.5525	.5435	.0033	.1119	.3841
10	.056	3.4194	3.4194	3.4103	3.0252	6.0818	2.3083
11	.061	6.4765	6.4765	6.4615	6.7038	12.3581	4.2888
12	.067	6.4489	6.4489	6.4399	6.8054	12.1746	4.2059
13	.072	4.5973	4.5973	4.5883	4.7076	8.6768	2.9975
14	.078	2.7787	2.7787	2.7696	2.8888	5.2835	1.8253
15	.083	1.8329	1.8329	1.8239	1.9176	3.5344	1.2210
16	.089	1.5786	1.5786	1.5696	1.6699	3.0762	1.0627
17	.094	1.3858	1.3858	1.3768	1.4741	2.7000	.9273
18	.100	1.1331	1.1331	1.1241	1.2248	2.3588	.8148
19	.106	.8430	.8430	.8339	.9045	1.8145	.6269
20	.111	.4792	.4792	.4701	.5773	1.0641	.3678
21	.117	.2272	.2232	.2182	.2226	.3154	.1260
22	.122	.1913	.1913	.1823	.2447	.4510	.1558
23	.128	.2232	.2232	.2141	.3021	.5567	.1924
24	.133	.2583	.2583	.2493	.3767	.6932	.2380
25	.139	.2446	.2446	.2355	.3705	.6829	.2359
26	.144	.2401	.2401	.2311	.3855	.7106	.2455
27	.150	.1716	.1716	.1626	.2683	.5314	.1836
28	.156	.1049	.1049	.0958	.1813	.3342	.1155
29	.161	.1156	.1156	.1065	.2155	.3773	.1372
30	.167	.1055	.1055	.0964	.2093	.3858	.1333
31	.172	.0750	.0750	.0660	.1540	.2838	.0980
32	.178	.0469	.0469	.0379	.1036	.1998	.0656
33	.183	.0447	.0447	.0357	.1105	.2037	.0704
34	.189	.0716	.0716	.0626	.1844	.3399	.1174
35	.194	.0766	.0766	.0676	.2164	.3989	.1378
36	.200	.0634	.0634	.0544	.1878	.3458	.1208
37	.206	.0427	.0427	.0336	.1282	.2362	.0816
38	.211	.0273	.0273	.0193	.0763	.1407	.0486
39	.217	.0259	.0259	.0169	.0775	.1429	.0496
40	.222	.0284	.0284	.0174	.0976	.1798	.0621
41	.228	.0243	.0231	.0141	.0781	.1447	.0500
42	.233	.0133	.0156	.0066	.0468	.0748	.0258
43	.239	.0102	.0115	.0025	.0172	.0316	.0109
44	.244	.0133	.0125	.0035	.0265	.0487	.0169
45	.250	.0142	.0134	.0044	.0368	.0678	.0234
46	.256	.0121	.0117	.0027	.0273	.0502	.0174
47	.261	.0089	.0093	.0003	.0037	.0068	.0024
48	.267	.0077	.0093	.0003	.0066	.0000	.0000
49	.272	.0096	.0093	.0003	.0037	.0071	.0025
50	.278	.0165	.0143	.0053	.0196	.0380	.0125
51	.283	.0110	.0147	.0057	.0286	.0518	.0178
52	.289	.0106	.0114	.0024	.0217	.0404	.0140
53	.294	.0078	.0094	.0004	.0000	.0000	.0000
54	.300	.0078	.0089	.0000	.0000	.0000	.0000
55	.306	.0097	.0092	.0003	.0067	.0086	.0030
56	.311	.0101	.0097	.0007	.0096	.0165	.0058
57	.317	.0097	.0097	.0007	.0066	.0080	.0028
58	.322	.0097	.0093	.0003	.0025	.0031	.0006
59	.328	.0078	.0091	.0001	.0006	.0000	.0000
60	.333	.0059	.0089	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 30/ 3/59 AV. Tm = 9.4 RECORD = JH 18
HGHT = 3 SIG.HGT. = 19.4
TOTAL OF =128 CORR. VAR. = 24.7
NOISE LEVEL = .0075 WIND SPEED = 30

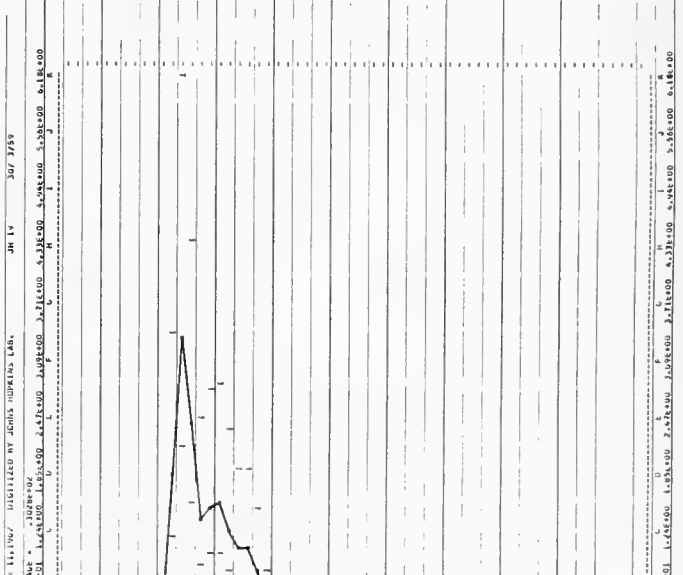
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0845	.0845	.0770	.0770	.1419	.0490
1	.006	.1270	.1270	.1195	.1195	.2202	.0761
2	.011	.1444	.1444	.1374	.1374	.2533	.0875
3	.017	.0822	.0822	.0747	.0747	.1377	.0476
4	.022	.0487	.0487	.0412	.0412	.0759	.0262
5	.028	.0635	.0635	.0560	.0560	.1032	.0356
6	.033	.0464	.0464	.0389	.0613	.1124	.0390
7	.039	.0377	.0377	.0302	.0461	.0739	.0255
8	.044	.0530	.0530	.0455	.0542	.0998	.0345
9	.050	.1380	.1380	.1305	.1446	.2670	.0922
10	.056	1.1264	1.1264	1.1189	1.1894	2.1922	.7573
11	.061	3.2109	3.2109	3.2034	3.3235	6.1257	2.1162
12	.067	4.0145	4.0145	4.0120	4.1151	7.5848	2.6203
13	.072	2.5411	2.5411	2.5386	2.5995	4.7912	1.6552
14	.078	1.3465	1.3465	1.3390	1.3854	2.5543	.8824
15	.083	1.2441	1.2441	1.2366	1.3002	2.3965	.9279
16	.089	1.0202	1.0202	1.0127	1.0768	1.9847	.6856
17	.094	.8709	.8709	.8634	.9527	1.7560	.6066
18	.100	1.0341	1.0341	1.0266	1.1687	2.1541	.7442
19	.106	1.0168	1.0168	1.0093	1.1894	2.1919	.7572
20	.111	.7744	.7744	.7669	.9418	1.7359	.5997
21	.117	.6218	.6218	.6143	.7874	1.4513	.5014
22	.122	.5194	.5194	.5119	.6871	1.2665	.4375
23	.128	.3875	.3875	.3800	.5360	.9879	.3413
24	.133	.2374	.2374	.2299	.3618	.6701	.2377
25	.139	.0953	.0953	.0878	.1381	.2546	.0880
26	.144	.0594	.0594	.0519	.0867	.1597	.0552
27	.150	.0942	.0942	.0867	.1538	.2835	.0979
28	.156	.0877	.0877	.0802	.1517	.2796	.0966
29	.161	.0487	.0487	.0412	.0833	.1535	.0530
30	.167	.0436	.0436	.0361	.0783	.1443	.0499
31	.172	.0504	.0504	.0429	.1042	.1847	.0638
32	.178	.0543	.0543	.0468	.1177	.2170	.0750
33	.183	.0572	.0572	.0497	.1352	.2492	.0861
34	.189	.0421	.0421	.0347	.1022	.1883	.0651
35	.194	.0309	.0309	.0234	.0750	.1382	.0477
36	.200	.0357	.0357	.0282	.0986	.1817	.0628
37	.206	.0334	.0334	.0260	.0989	.1822	.0629
38	.211	.0253	.0253	.0178	.0762	.1367	.0472
39	.217	.0180	.0180	.0105	.0483	.0890	.0307
40	.222	.0124	.0124	.0049	.0245	.0452	.0156
41	.228	.0130	.0130	.0054	.0466	.0858	.0296
42	.233	.0227	.0212	.0137	.0841	.1550	.0535
43	.239	.0257	.0242	.0167	.1139	.2100	.0725
44	.244	.0229	.0229	.0151	.1143	.2106	.0728
45	.250	.0183	.0167	.0112	.0950	.1751	.0605
46	.256	.0150	.0150	.0075	.0713	.1314	.0454
47	.261	.0118	.0116	.0041	.0430	.0793	.0274
48	.267	.0076	.0076	.0001	.0004	.0017	.0006
49	.272	.0041	.0051	.0000	.0000	.0000	.0000
50	.278	.0049	.0054	.0000	.0000	.0000	.0000
51	.283	.0079	.0076	.0001	.0011	.0021	.0007
52	.289	.0103	.0096	.0021	.0411	.0757	.0262
53	.294	.0104	.0100	.0025	.0556	.1025	.0354
54	.300	.0093	.0090	.0015	.0384	.0707	.0244
55	.306	.0066	.0071	.0000	.0000	.0000	.0000
56	.311	.0052	.0060	.0000	.0000	.0000	.0000
57	.317	.0078	.0070	.0000	.0000	.0000	.0000
58	.322	.0080	.0075	.0000	.0000	.0000	.0000
59	.328	.0055	.0060	.0000	.0000	.0000	.0000
60	.333	.0047	.0051	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 30/ 3/59 AV. Tm = 9.4 RECORD = JH 19
HGHT = 9 SIG.HGT. = 18.1
TOTAL OF =133 CORR. VAR. = 20.7
NOISE LEVEL = .0256 WIND SPEED = 25

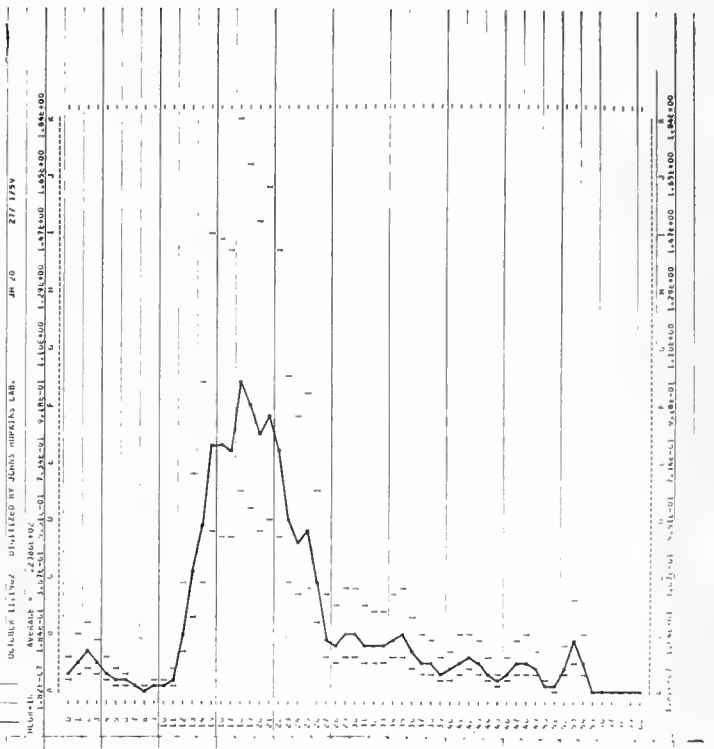
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0699	.0699	.0443	.0443	.0817	.0282
1	.006	.0878	.0878	.0622	.0622	.1146	.0396
2	.011	.1217	.1217	.0961	.0961	.1771	.0612
3	.017	.1175	.1175	.0919	.0919	.1694	.0585
4	.022	.0845	.0845	.0589	.0589	.1086	.0375
5	.028	.0530	.0530	.0274	.0274	.0505	.0174
6	.033	.0348	.0348	.0092	.0144	.0266	.0092
7	.039	.0335	.0335	.0079	.0131	.0241	.0083
8	.044	.0494	.0494	.0238	.0283	.0522	.0180
9	.050	.0496	.0496	.0240	.0287	.0491	.0170
10	.056	.2422	.2422	.2166	.2302	.4244	.1466
11	.061	1.8089	1.8089	1.7833	1.8502	3.4102	1.1781
12	.067	3.2939	3.2939	3.2682	3.3522	6.1787	2.1345
13	.072	2.3550	2.3550	2.3294	2.3900	4.4050	1.5218
14	.078	1.3105	1.3105	1.2849	1.3298	2.4511	.8468
15	.083	1.4599	1.4599	1.4342	1.5080	2.7794	.9602
16	.089	1.4839	1.4839	1.4583	1.5526	2.8579	.9873
17	.094	1.1681	1.1681	1.1425	1.2607	2.3236	.8027
18	.100	.9477	.9477	.9221	1.0497	1.9347	.6684
19	.106	.9083	.9083	.8807	1.0357	1.9102	.6600
20	.111	.6838	.6838	.6581	.8082	1.4896	.5146
21	.117	.3775	.3775	.3517	.4510	.8313	.2872
22	.122	.2477	.2477	.2221	.2982	.5496	.1899
23	.128	.2418	.2418	.2162	.3050	.5622	.1942
24	.133	.2384	.2384	.2128	.3164	.5832	.2015
25	.139	.2085	.2085	.1829	.2877	.5302	.1832
26	.144	.1696	.1696	.1440	.2402	.4427	.1529
27	.150	.1106	.1106	.0849	.1567	.2777	.0959
28	.156	.0758	.0758	.0502	.0950	.1751	.0605
29	.161	.1111	.1111	.0855	.1729	.3187	.1101
30	.167	.1184	.1184	.0928	.2014	.3713	.1283
31	.172	.0831	.0831	.0575	.0875	.1613	.0557
32	.178	.0395	.0395	.0139	.0350	.0646	.0223
33	.183	.0449	.0449	.0193	.0525	.0969	.0335
34	.189	.0463	.0463	.0207	.0610	.1124	.0388
35	.194	.0425	.0425	.0168	.0539	.0994	.0343
36	.200	.0387	.0387	.0131	.0457	.0842	.0291
37	.206	.0435	.0435	.0179	.0683	.1258	.0435
38	.211	.0408	.0408	.0152	.0635	.1170	.0404
39	.217	.0311	.0311	.0055	.0252	.0464	.0160
40	.222	.0288	.0288	.0032	.0159	.0293	.0101
41	.228	.0328	.0324	.0068	.0376	.0694	.0240
42	.233	.0343	.0352	.0096	.0589	.1086	.0375
43	.239	.0398	.0393	.0137	.0935	.1723	.0595
44	.244	.0417	.0432	.0176	.1337	.2465	.0852
45	.250	.0377	.0378	.0122	.1031	.1901	.0657
46	.256	.0259	.0262	.0026	.0242	.0446	.0154
47	.261	.0244	.0250	.0000	.0000	.0000	.0000
48	.267	.0263	.0260	.0004	.0044	.0081	.0028
49	.272	.0271	.0270	.0014	.0183	.0337	.0117
50	.278	.0271	.0275	.0019	.0291	.0535	.0185
51	.283	.0286	.0280	.0033	.0555	.1023	.0353
52	.289	.0321	.0311	.0055	.1056	.1946	.0672
53	.294	.0326	.0314	.0058	.1286	.2336	.0806
54	.300	.0281	.0282	.0026	.0644	.1186	.0410
55	.306	.0231	.0240	.0000	.0000	.0000	.0000
56	.311	.0210	.0215	.0000	.0000	.0000	.0000
57	.317	.0204	.0208	.0000	.0000	.0000	.0000
58	.322	.0209	.0213	.0000	.0000	.0000	.0000
59	.328	.0242	.0238	.0000	.0000	.0000	.0000
60	.333	.0203	.0253	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 27/ 1/59 AV. T= 7.3 RECORD = JM 20
HOUR = 18 SIG.HGT. = 14.6
TOTAL OF =235 CUMM. VAR. = 13.2
NOISE LEVEL = .0120 WIND SPEED = 45

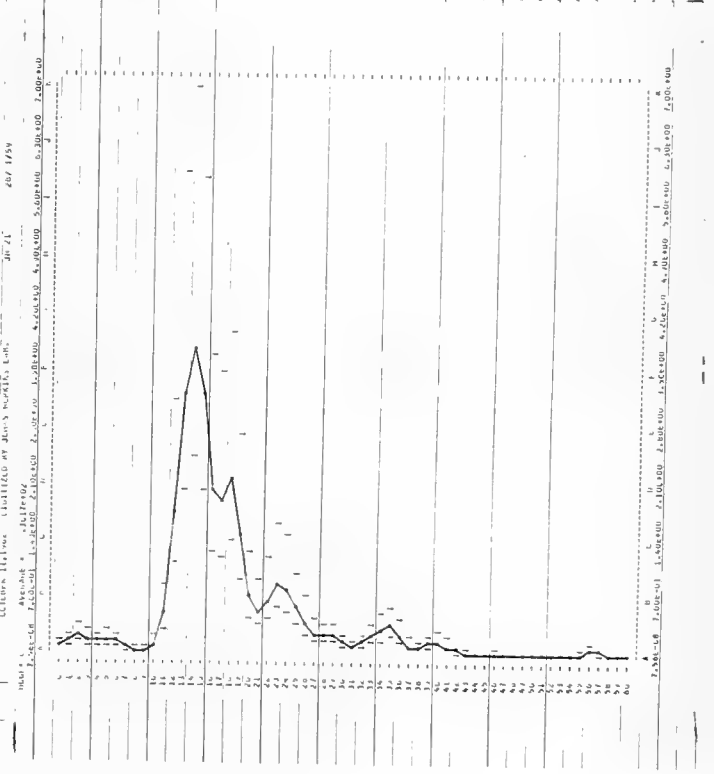
M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CUMM.FT.2	UPPER	LOWER
0	.000	.0705	.0705	.0585	.0585	.1079	.0373
1	.006	.1103	.1103	.0983	.0983	.1813	.0626
2	.011	.1326	.1326	.1206	.1206	.2222	.0768
3	.017	.0986	.0986	.0866	.0866	.1597	.0552
4	.022	.0744	.0744	.0624	.0624	.1150	.0397
5	.028	.0488	.0488	.0368	.0368	.0678	.0234
6	.033	.0330	.0330	.0210	.0331	.0609	.0211
7	.039	.0230	.0230	.0110	.0146	.0269	.0093
8	.044	.0173	.0173	.0053	.0083	.0118	.0060
9	.050	.0274	.0274	.0154	.0171	.0314	.0109
10	.056	.0351	.0351	.0231	.0245	.0452	.0156
11	.061	.0535	.0535	.0415	.0430	.0793	.0274
12	.067	.1948	.1948	.1828	.1875	.3455	.1194
13	.072	.3838	.3838	.3718	.3815	.7032	.2459
14	.078	.5282	.5282	.5162	.5342	.9867	.3402
15	.083	.7688	.7688	.7568	.7957	1.4688	.5066
16	.089	.7554	.7554	.7434	.7904	1.4588	.5033
17	.094	.7097	.7097	.6977	.7699	1.4190	.4902
18	.100	.8871	.8751	.8751	.9962	1.8381	.6343
19	.106	.7853	.7853	.7733	.9129	1.6826	.5813
20	.111	.6781	.6781	.6661	.8180	1.5076	.5208
21	.117	.6968	.6968	.6848	.8778	1.6178	.5588
22	.122	.5859	.5859	.5739	.7704	1.4200	.4906
23	.128	.4013	.4013	.3893	.5441	1.0120	.3496
24	.133	.3367	.3367	.3247	.4828	.8899	.3074
25	.139	.3426	.3426	.3306	.5201	.9588	.3312
26	.144	.2189	.2189	.2069	.3452	.6362	.2198
27	.150	.1057	.0937	.0937	.1662	.3064	.1054
28	.156	.0933	.0933	.0813	.1538	.2834	.0979
29	.161	.1024	.1024	.0904	.1929	.3370	.1164
30	.167	.0942	.0942	.0821	.1783	.3288	.1135
31	.172	.0777	.0777	.0657	.1531	.2822	.0975
32	.178	.0672	.0672	.0552	.1389	.2561	.0885
33	.183	.0647	.0647	.0527	.1433	.2642	.0913
34	.189	.0711	.0711	.0591	.1742	.3210	.1109
35	.194	.0689	.0689	.0569	.1822	.3358	.1160
36	.200	.0491	.0491	.0371	.1294	.2385	.0824
37	.206	.0372	.0372	.0252	.0958	.1766	.0610
38	.211	.0344	.0344	.0224	.0933	.1719	.0594
39	.217	.0254	.0254	.0134	.0812	.1129	.0390
40	.222	.0260	.0260	.0140	.0764	.1298	.0448
41	.228	.0311	.0292	.0172	.0955	.1760	.0608
42	.233	.0292	.0260	.0140	.1022	.1884	.0651
43	.239	.0259	.0251	.0131	.0893	.1647	.0569
44	.244	.0182	.0195	.0075	.0586	.1079	.0362
45	.250	.0134	.0138	.0037	.0317	.0584	.0202
46	.256	.0191	.0161	.0061	.0574	.1059	.0366
47	.261	.0221	.0204	.0089	.0938	.1729	.0597
48	.267	.0208	.0263	.0083	.0984	.1813	.0626
49	.272	.0178	.0215	.0055	.0733	.1351	.0467
50	.278	.0114	.0136	.0016	.0238	.0435	.0150
51	.283	.0113	.0127	.0007	.0116	.0210	.0072
52	.289	.0173	.0162	.0042	.0817	.1506	.0520
53	.294	.0216	.0191	.0071	.1567	.2888	.0998
54	.300	.0161	.0160	.0040	.1005	.1852	.0640
55	.306	.0084	.0103	.0000	.0000	.0000	.0000
56	.311	.0083	.0083	.0000	.0000	.0000	.0000
57	.317	.0081	.0081	.0000	.0000	.0000	.0000
58	.322	.0071	.0000	.0000	.0000	.0000	.0000
59	.328	.0103	.0098	.0000	.0000	.0000	.0000
60	.333	.0127	.0115	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/59 AV. T= 7.3 RECORD = JM 21
HOUR = 0 SIG.HGT. = 21.3
TOTAL OF =142 CUMM. VAR. = 26.3
NOISE LEVEL = .0154 WIND SPEED = 35

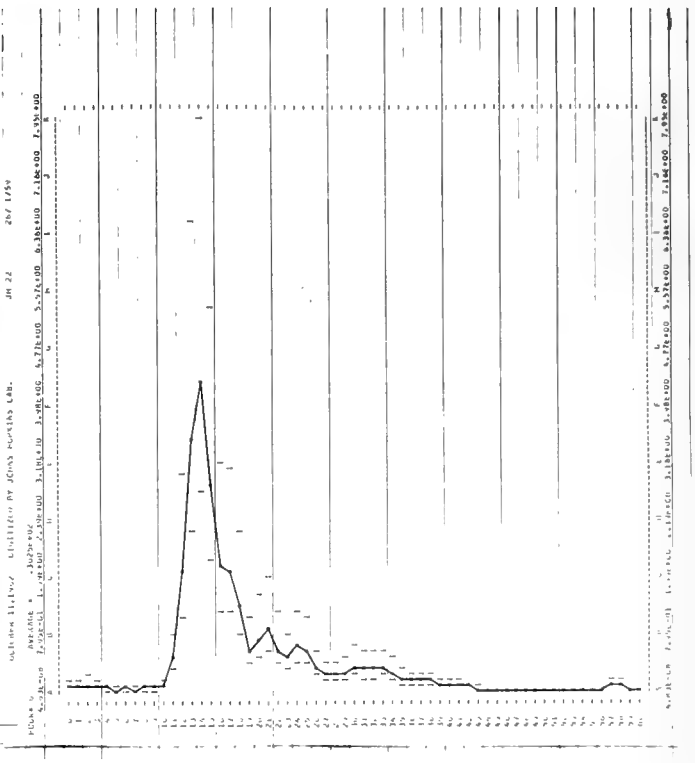
M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CUMM.FT.2	UPPER	LOWER
0	.000	.0747	.0747	.0593	.0593	.1043	.0377
1	.006	.1358	.1358	.1204	.1204	.2218	.0766
2	.011	.2067	.2067	.1913	.1913	.3527	.1218
3	.017	.1756	.1756	.1603	.1803	.2954	.1020
4	.022	.1468	.1468	.1316	.1308	.2407	.0832
5	.028	.1497	.1497	.1343	.1343	.2476	.0855
6	.033	.0996	.0996	.0842	.1326	.2445	.0845
7	.039	.0960	.0960	.0806	.0520	.0959	.0331
8	.044	.0469	.0469	.0255	.0303	.0559	.0193
9	.050	.0388	.0388	.0234	.0260	.0480	.0166
10	.056	.0490	.0490	.0336	.0995	.1833	.0633
11	.061	.4648	.4648	.4495	.4663	.8595	.2969
12	.067	1.6935	1.6935	1.6781	1.7213	3.1725	1.0960
13	.072	3.1560	3.1560	3.1406	3.2222	5.9390	2.0517
14	.078	3.6831	3.6831	3.6677	3.7961	6.9967	2.4171
15	.083	3.6495	3.6495	3.6341	3.7900	6.9797	2.4312
16	.089	1.9078	1.9078	1.8924	2.0122	3.7068	1.2813
17	.094	1.7358	1.7358	1.7204	1.8983	3.4988	1.2087
18	.100	1.9268	1.9268	1.9114	2.1759	4.0105	1.3855
19	.106	1.2624	1.2624	1.2470	1.4721	2.7133	.9373
20	.111	.5744	.5744	.5643	.6932	1.2777	.4414
21	.117	.4062	.4062	.3908	.5010	.9233	.3190
22	.122	.4838	.4838	.4682	.6285	1.1584	.4002
23	.128	.6215	.6215	.6061	.8245	1.5757	.5444
24	.133	.5479	.5479	.5325	.7918	1.4595	.5042
25	.139	.3808	.3808	.3652	.5931	1.0010	.3458
26	.144	.2355	.2355	.2201	.3672	.6708	.2318
27	.150	.1518	.1518	.1364	.2420	.4480	.1561
28	.156	.1239	.1239	.1085	.2033	.3785	.1307
29	.161	.1038	.1038	.0884	.1788	.3295	.1138
30	.167	.0701	.0701	.0547	.1188	.2190	.0757
31	.172	.0644	.0644	.0491	.0977	.1804	.0621
32	.178	.0589	.0589	.0435	.1044	.2017	.0647
33	.183	.0872	.0872	.0718	.1952	.3598	.1243
34	.189	.1024	.1024	.0870	.2712	.4998	.1727
35	.194	.1159	.1159	.1005	.2215	.5733	.2050
36	.200	.0816	.0816	.0663	.2312	.4262	.1472
37	.206	.0626	.0626	.0470	.1628	.1894	.0654
38	.211	.0342	.0342	.0198	.0784	.1445	.0499
39	.217	.0438	.0438	.0284	.1303	.2401	.0830
40	.222	.0488	.0488	.0334	.1686	.3108	.1074
41	.228	.0360	.0332	.0178	.0973	.1830	.0632
42	.233	.0226	.0277	.0075	.0681	.0849	.0293
43	.239	.0265	.0196	.0042	.0296	.0534	.0184
44	.244	.0154	.0215	.0015	.0112	.0206	.0071
45	.250	.0160	.0162	.0008	.0070	.0129	.0045
46	.256	.0189	.0176	.0022	.0210	.0388	.0134
47	.261	.0169	.0168	.0014	.0149	.0275	.0095
48	.267	.0141	.0145	.0000	.0000	.0000	.0000
49	.272	.0143	.0129	.0000	.0000	.0000	.0000
50	.278	.0119	.0119	.0000	.0000	.0000	.0000
51	.283	.0153	.0150	.0000	.0000	.0000	.0000
52	.289	.0167	.0160	.0006	.0125	.0230	.0079
53	.294	.0138	.0148	.0000	.0000	.0000	.0000
54	.300	.0146	.0149	.0000	.0000	.0000	.0000
55	.306	.0170	.0166	.0012	.0342	.0630	.0218
56	.311	.0188	.0177	.0023	.0771	.1422	.0491
57	.317	.0165	.0164	.0010	.0373	.0687	.0237
58	.322	.0143	.0137	.0000	.0000	.0000	.0000
59	.328	.0138	.0137	.0000	.0000	.0000	.0000
60	.333	.0163	.0151	.0000	.0000	.0000	.0000



SPECTRA MINDLASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/54 AV. T= 9.2 RECORD = JM 22
HOUR = 8 SIG.MGT. = 20.5
TOTAL UP =120 CORR. VAR. = .2642
NOISE LEVEL = .0128 WIND SPEED = 25

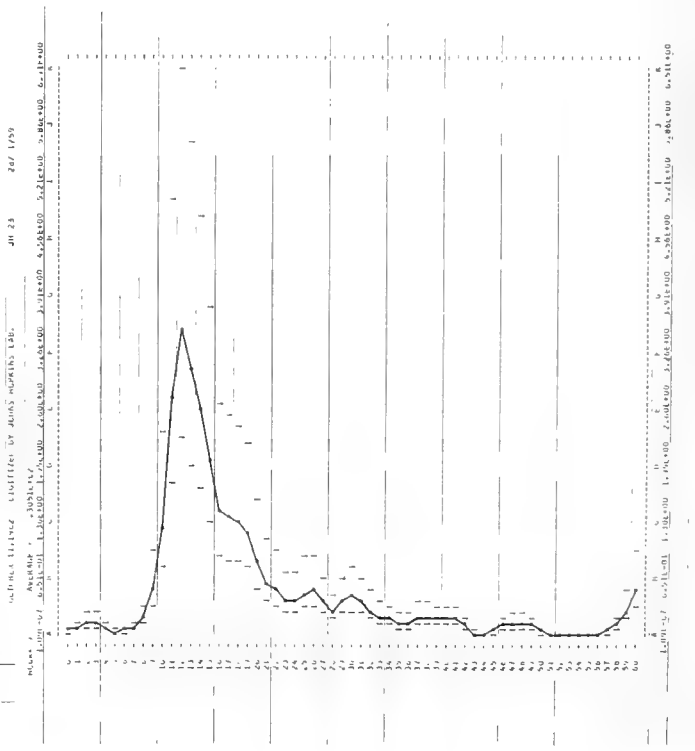
M	FREQ.	UNITY.PT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0823	.0823	.0696	.0696	.1282	.0443
1	.006	.0988	.0988	.0861	.0861	.1586	.0568
2	.011	.1230	.1230	.1102	.1102	.2032	.0702
3	.017	.1047	.1047	.0569	.0969	.1787	.0617
4	.022	.0696	.0696	.0569	.0569	.1048	.0362
5	.028	.0473	.0473	.0346	.0346	.0637	.0220
6	.033	.0384	.0384	.0257	.0465	.0746	.0298
7	.039	.0413	.0413	.0286	.0379	.0698	.0241
8	.044	.0522	.0522	.0394	.0470	.0866	.0299
9	.050	.0692	.0692	.0524	.0582	.1072	.0370
10	.056	.0788	.0788	.0660	.0702	.1294	.0447
11	.061	.4400	.4272	.4133	.4133	.8170	.2822
12	.067	1.6125	1.5998	1.5861	3.0294	1.0446	
13	.072	3.4584	3.4457	3.4320	6.5180	2.2510	
14	.078	4.1822	4.1695	4.1558	7.9539	2.7678	
15	.083	2.7683	2.7556	2.7419	5.3400	1.8468	
16	.089	1.6244	1.6244	1.6117	3.1237	1.0812	
17	.094	1.5528	1.5528	1.5401	2.9843	1.0820	
18	.100	1.0557	1.0429	1.0302	1.9873	2.1884	.7500
19	.106	.4988	.4988	.4860	.5738	1.0575	.3653
20	.111	.5959	.5831	.5704	.7161	1.3198	.4559
21	.117	.8590	.6990	.6862	.8795	1.6211	.5600
22	.122	.4502	.4502	.4375	.5871	1.0824	.3739
23	.128	.3266	.3266	.3139	.4655	.8212	.2837
24	.133	.4263	.4263	.4136	.6150	1.1336	.3916
25	.139	.3799	.3799	.3671	.5775	1.0645	.3677
26	.144	.2059	.1932	.1805	.3223	.5940	.2052
27	.150	.1443	.1318	.1191	.2337	.4308	.1488
28	.156	.1327	.1327	.1200	.2270	.4183	.1445
29	.161	.1331	.1331	.1204	.2435	.4489	.1551
30	.167	.1651	.1651	.1523	.3166	.5843	.2165
31	.172	.1431	.1431	.1304	.3040	.5603	.1936
32	.178	.1253	.1253	.1125	.2832	.5220	.1803
33	.183	.1316	.1316	.1188	.2229	.3952	.2036
34	.189	.1001	.1001	.0874	.4573	.4746	.1640
35	.194	.0659	.0659	.0531	.1701	.3134	.1083
36	.200	.0497	.0497	.0376	.1291	.2380	.0822
37	.206	.0471	.0471	.0349	.1309	.2413	.0836
38	.211	.0415	.0415	.0287	.1199	.2210	.0764
39	.217	.0303	.0303	.0175	.0866	.1481	.0512
40	.222	.0272	.0272	.0144	.0726	.1338	.0462
41	.228	.0278	.0266	.0137	.0760	.1401	.0484
42	.233	.0236	.0236	.0103	.0631	.1162	.0401
43	.239	.0169	.0176	.0046	.0314	.0579	.0200
44	.244	.0160	.0122	.0000	.0000	.0000	.0000
45	.250	.0084	.0104	.0000	.0000	.0000	.0000
46	.256	.0133	.0123	.0000	.0000	.0000	.0000
47	.261	.0148	.0138	.0011	.0111	.0205	.0071
48	.267	.0118	.0124	.0000	.0000	.0000	.0000
49	.272	.0110	.0113	.0000	.0000	.0000	.0000
50	.278	.0115	.0116	.0000	.0000	.0000	.0000
51	.283	.0124	.0124	.0000	.0000	.0000	.0000
52	.289	.0124	.0123	.0000	.0000	.0000	.0000
53	.294	.0108	.0114	.0000	.0000	.0000	.0000
54	.300	.0117	.0115	.0000	.0000	.0000	.0000
55	.306	.0116	.0120	.0000	.0000	.0000	.0000
56	.311	.0130	.0131	.0004	.0128	.0235	.0081
57	.317	.0158	.0144	.0017	.0307	.0487	.0314
58	.322	.0154	.0144	.0022	.0343	.0547	.0184
59	.328	.0126	.0131	.0004	.0190	.0350	.0121
60	.333	.0110	.0118	.0000	.0000	.0000	.0000



SPECTRA MINDLASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/54 AV. T= 8.6 RECORD = JM 23
HOUR = 9 SIG.MGT. = 22.3
TOTAL UP =120 CORR. VAR. = .3140
NOISE LEVEL = .0178 WIND SPEED = 40

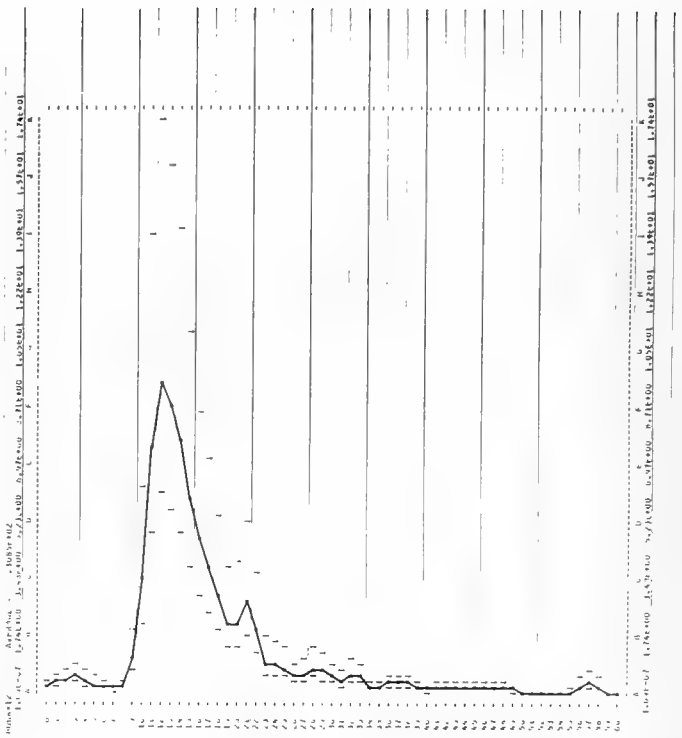
M	FREQ.	UNITY.PT.2	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0529	.0523	.0351	.0351	.0647	.0223
1	.006	.0834	.0834	.0655	.0655	.1208	.0417
2	.011	.1430	.1430	.1251	.1251	.2306	.0797
3	.017	.1539	.1539	.1361	.1361	.2508	.0866
4	.022	.0874	.0874	.0696	.0696	.1282	.0443
5	.028	.0410	.0410	.0232	.0232	.0428	.0148
6	.033	.0424	.0424	.0245	.0386	.0712	.0246
7	.039	.0503	.0503	.0324	.0437	.0784	.0342
8	.044	.1746	.1567	.1388	.1888	.3440	.1188
9	.050	.4820	.4820	.4641	.5151	.9495	.3280
10	.056	1.2029	1.2029	1.1847	1.2573	2.3212	.8014
11	.061	2.6354	2.6354	2.6175	2.7137	5.0054	1.7242
12	.067	3.4622	3.4622	3.4443	3.2328	6.5116	2.2495
13	.072	3.6084	3.6084	3.5905	3.6883	5.6554	1.9537
14	.078	2.5530	2.5530	2.5352	2.8239	4.8362	1.6707
15	.083	1.9815	1.9815	1.9636	2.0635	3.7865	1.3012
16	.089	1.3961	1.3961	1.3782	1.4813	2.6471	.9168
17	.094	1.2524	1.2524	1.2350	1.3627	2.5117	.8677
18	.100	1.1738	1.1738	1.1555	1.3159	2.4254	.8379
19	.100	1.0356	1.0177	1.0016	2.2144	.7650	
20	.111	.7043	.7043	.6864	.6429	1.2536	.5367
21	.117	.4955	.4955	.4777	.6122	1.1285	.3898
22	.122	.4169	.4169	.3991	.5358	.9873	.3411
23	.128	.3013	.3013	.2835	.3997	.7370	.2546
24	.133	.2829	.2829	.2651	.3942	.7268	.2510
25	.139	.3260	.3260	.3081	.4847	.8934	.3087
26	.144	.3175	.3175	.2997	.5000	.9216	.3184
27	.150	.2264	.2204	.2031	.3602	.6639	.2294
28	.156	.1574	.1574	.1395	.2619	.4865	.1681
29	.161	.1474	.1474	.1300	.2641	.4712	.1514
30	.167	.2159	.2159	.1980	.4290	.7922	.2737
31	.172	.1742	.1742	.1564	.3867	.6721	.2362
32	.178	.1242	.1242	.1064	.2677	.4734	.1704
33	.183	.0984	.0984	.0805	.2114	.4035	.1344
34	.189	.0818	.0818	.0637	.1978	.3682	.1196
35	.194	.0603	.0603	.0424	.1354	.2504	.0865
36	.200	.0548	.0548	.0362	.1465	.2701	.0933
37	.206	.0713	.0713	.0535	.2038	.3756	.1298
38	.211	.0765	.0765	.0526	.2190	.4048	.1398
39	.217	.0547	.0547	.0364	.1684	.3114	.1076
40	.222	.0540	.0540	.0362	.1824	.3363	.1162
41	.228	.0581	.0581	.0341	.1894	.3491	.1206
42	.233	.0368	.0373	.0195	.1199	.2209	.0763
43	.239	.0162	.0215	.0037	.0253	.0466	.0161
44	.244	.0181	.0181	.0001	.0078	.0145	.0050
45	.250	.0226	.0230	.0052	.0439	.0810	.0280
46	.256	.0310	.0289	.0111	.1004	.1851	.0647
47	.261	.0329	.0313	.0134	.1426	.2617	.0904
48	.267	.0271	.0283	.0104	.1241	.2288	.0790
49	.272	.0271	.0256	.0078	.1044	.1924	.0665
50	.278	.0214	.0210	.0032	.0481	.0887	.0306
51	.283	.0150	.0150	.0000	.0006	.0000	.0000
52	.289	.0127	.0131	.0000	.0000	.0000	.0000
53	.294	.0133	.0136	.0000	.0000	.0000	.0000
54	.300	.0165	.0145	.0000	.0000	.0000	.0000
55	.306	.0155	.0157	.0000	.0000	.0000	.0000
56	.311	.0172	.0172	.0000	.0000	.0000	.0000
57	.317	.0170	.0184	.0010	.0381	.0702	.0242
58	.322	.0191	.0202	.0023	.0815	.1871	.0648
59	.328	.0242	.0236	.0057	.2763	.5277	.1823
60	.333	.0293	.0267	.0089	.5154	.9494	.3282



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/59 AV. T= 9.5 RECORD = JM 24
MEAN = 12 SIG.HGT. = 35.3
TOTAL OF =151 CORR. VAR. = 77.8
NOISE LEVEL = .0278 WIND SPEED = 30

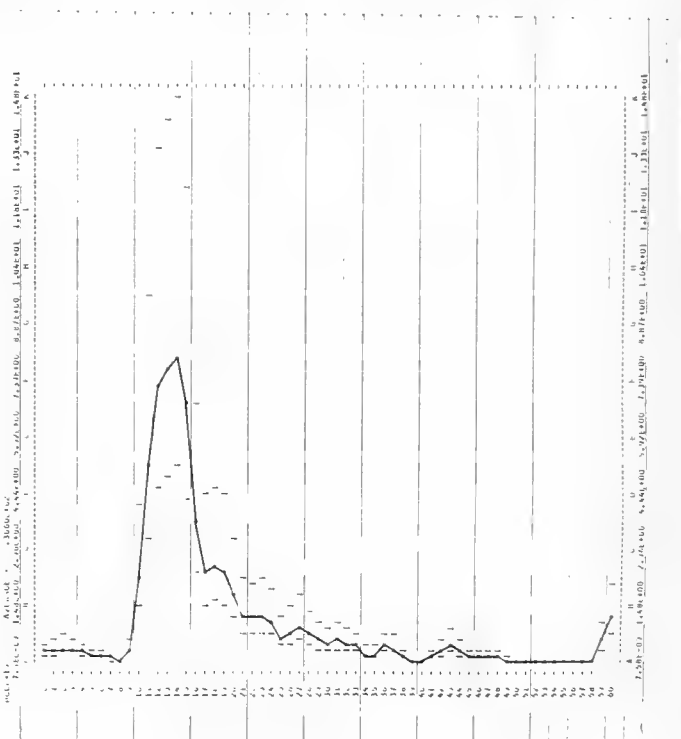
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2617	.2617	.2339	.2339	.4311	.1489
1	.006	.2953	.2953	.2675	.2675	.4930	.1703
2	.011	.4403	.4403	.4125	.4125	.7602	.2627
3	.017	.5316	.5316	.5039	.5039	.9287	.3208
4	.022	.4376	.4376	.4098	.4098	.7553	.2609
5	.028	.2752	.2752	.2474	.2474	.4560	.1575
6	.033	.1721	.1721	.1443	.1274	.2491	.0848
7	.039	.0981	.0981	.0684	.0868	.1673	.0578
8	.044	.2125	.2125	.1848	.2200	.4056	.1461
9	.050	.4258	.4258	.3980	1.0078	1.8575	.6417
10	.056	3.2435	3.2435	3.2158	3.4184	6.3005	2.1786
11	.061	7.2809	7.2809	7.2532	7.5252	13.8700	4.7918
12	.067	9.2617	9.2617	9.2340	9.4508	17.4192	6.0177
13	.072	8.4739	8.4739	8.4462	8.6654	15.9723	5.5178
14	.078	7.3786	7.3786	7.3508	7.6081	14.0229	4.8444
15	.083	5.7033	5.7033	5.6755	5.9672	10.9985	3.7996
16	.089	4.3963	4.3963	4.3686	4.6451	8.5616	2.9577
17	.094	3.5335	3.5335	3.5058	3.8082	7.1297	2.4631
18	.100	2.5810	2.5810	2.5533	2.7089	5.3615	1.8522
19	.106	1.7821	1.7821	1.7543	2.0710	3.8172	1.3187
20	.111	1.7882	1.7882	1.7604	2.1818	3.9846	1.3765
21	.117	2.2214	2.2214	2.1936	2.4818	4.5722	1.5802
22	.122	1.5104	1.5104	1.4826	1.7903	3.2686	1.2873
23	.128	.6985	.6985	.6708	.7461	1.3438	.4624
24	.133	.5922	.5922	.5644	.6344	1.1471	.3965
25	.139	.4923	.4923	.4645	.5307	1.0968	.3653
26	.144	.3211	.3211	.2933	.4894	.9020	.3116
27	.150	.3367	.3367	.3089	.5479	1.0092	.3489
28	.156	.4088	.4088	.3810	.7208	1.3286	.4590
29	.161	.3627	.3627	.3350	.6776	1.2490	.4315
30	.167	.2473	.2473	.2195	.4764	.8781	.3033
31	.172	.1945	.1945	.1717	.4005	.7384	.2550
32	.178	.2656	.2656	.2378	.5986	1.1033	.3811
33	.183	.2134	.2134	.1857	.5047	.9303	.3214
34	.189	.0870	.0870	.0592	.1745	.3217	.1111
35	.194	.0746	.0746	.0469	.1506	.2763	.0955
36	.200	.1051	.1051	.0773	.2443	.4775	.1714
37	.206	.1124	.1124	.0852	.2743	.5478	.2065
38	.211	.1006	.1006	.0728	.3037	.5597	.1933
39	.217	.0687	.0687	.0410	.1977	.3659	.1195
40	.222	.0519	.0519	.0242	.1219	.2247	.0776
41	.228	.0638	.0607	.0329	.1831	.3376	.1166
42	.233	.0684	.0633	.0355	.2184	.4025	.1341
43	.239	.0533	.0585	.0288	.1953	.3618	.1250
44	.244	.0527	.0532	.0255	.1932	.3561	.1230
45	.250	.0564	.0541	.0264	.2230	.4111	.1446
46	.256	.0513	.0511	.0234	.2206	.4069	.1404
47	.261	.0451	.0455	.0177	.1875	.3457	.1194
48	.267	.0409	.0414	.0127	.1357	.2778	.0900
49	.272	.0349	.0349	.0072	.0958	.1786	.0611
50	.278	.0291	.0291	.0013	.0393	.0760	.0124
51	.283	.0233	.0232	.0006	.0006	.0000	.0000
52	.289	.0176	.0201	.0000	.0000	.0000	.0000
53	.294	.0242	.0232	.0000	.0000	.0000	.0000
54	.300	.0266	.0267	.0000	.0000	.0000	.0000
55	.306	.0260	.0249	.0018	.0313	.0546	.0317
56	.311	.0383	.0337	.0079	.0790	.1484	.0603
57	.317	.0402	.0380	.0103	.1876	.3744	.0469
58	.322	.0340	.0336	.0058	.1520	.4044	.1604
59	.328	.0260	.0260	.0000	.0000	.0000	.0000
60	.333	.0183	.0214	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/59 AV. T= 9.7 RECORD = JM 25
MEAN = 15 SIG.HGT. = 32.4
TOTAL OF =151 CORR. VAR. = 87.6
NOISE LEVEL = .0477 WIND SPEED = 30

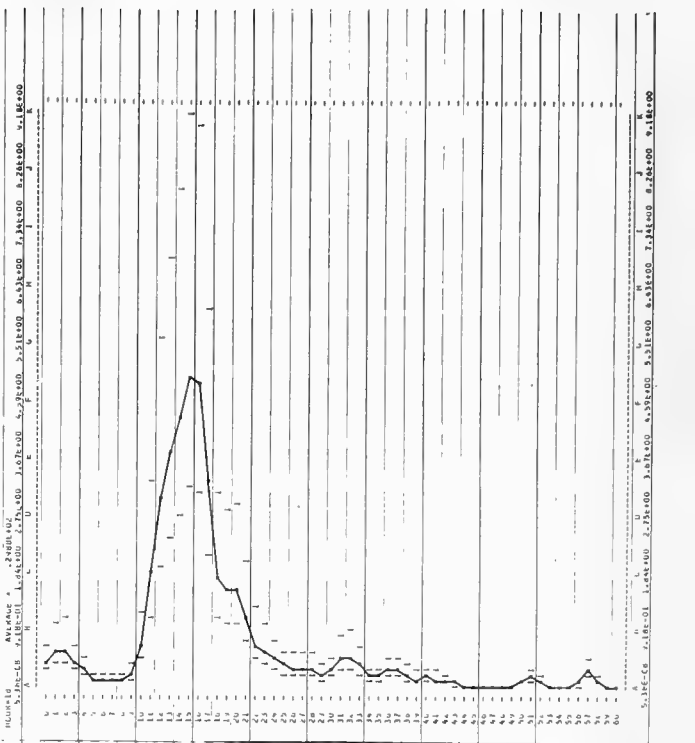
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3216	.3216	.2739	.2739	.5048	.1744
1	.006	.3621	.3661	.3144	.3144	.5795	.2006
2	.011	.4089	.4128	.3612	.3612	.6658	.2300
3	.017	.3975	.3975	.3698	.3658	.6648	.2268
4	.022	.3142	.3142	.2665	.2665	.4875	.1864
5	.028	.2342	.2342	.1866	.1866	.3439	.1188
6	.033	.1465	.1465	.0988	.1557	.2869	.0971
7	.039	.1072	.1072	.0595	.0756	.1496	.0563
8	.044	.0437	.0437	.0000	.0000	.0000	.0000
9	.050	.3765	.3765	.3728	.3583	.8004	.2261
10	.056	2.1771	2.1771	2.1294	2.4636	4.4721	1.4413
11	.061	3.4509	3.4509	3.4032	3.4706	6.2078	2.3032
12	.067	7.1476	7.1476	7.0999	7.2424	13.4225	4.6370
13	.072	7.5902	7.5902	7.5425	7.7386	14.2634	4.8215
14	.078	7.8003	7.7721	7.7244	8.0242	14.7998	5.1013
15	.083	6.4675	6.4675	6.4198	6.7496	12.4409	4.2679
16	.089	3.5292	3.5292	3.4815	3.7019	6.8231	2.3571
17	.094	2.4900	2.4900	2.4423	2.6130	4.8365	1.5464
18	.100	2.2047	2.2047	2.1571	2.4556	4.5260	1.5638
19	.106	2.0863	2.0863	2.0386	2.4085	4.4356	1.5363
20	.111	1.4894	1.4894	1.4418	1.7760	3.2733	1.1273
21	.117	.9800	.9800	.9386	1.2027	2.2167	.7650
22	.122	.8789	.8789	.8312	1.1158	2.0565	.7106
23	.128	.9035	.9035	.8558	1.0771	1.9844	.7866
24	.133	.7808	.7808	.7332	1.0215	1.7712	.6810
25	.139	.4860	.4860	.4384	.6581	1.2130	.4190
26	.144	.5150	.5150	.4686	.7907	1.4576	.4971
27	.150	.5694	.5694	.5217	.9253	1.7055	.5892
28	.156	.4305	.4305	.3924	.7243	1.3350	.4612
29	.161	.3337	.3337	.2960	.5765	1.0683	.3684
30	.167	.2814	.2814	.2337	.4573	.8430	.3230
31	.172	.2736	.2736	.2259	.3269	.6712	.3355
32	.178	.2515	.2515	.2038	.3830	.7060	.2437
33	.183	.1873	.1873	.1397	.2790	.6747	.2417
34	.189	.1229	.1229	.0752	.2218	.4087	.1412
35	.194	.1144	.1144	.0667	.2136	.3936	.1366
36	.200	.1827	.1827	.1351	.4019	.7401	.2537
37	.206	.1444	.1444	.0963	.3063	.5789	.2345
38	.211	.0833	.0833	.0356	.1487	.2741	.0947
39	.217	.0550	.0550	.0073	.0334	.0616	.0213
40	.222	.0514	.0514	.0037	.0188	.0347	.0120
41	.228	.0765	.0740	.0263	.1511	.2785	.0962
42	.233	.1130	.1031	.0554	.2456	.4524	.1563
43	.239	.1247	.1138	.0662	.4512	.8317	.2873
44	.244	.0891	.0891	.0414	.2442	.4499	.1554
45	.250	.0828	.0644	.0167	.1836	.3384	.1169
46	.256	.0637	.0634	.0157	.1486	.2738	.0943
47	.261	.0646	.0630	.0153	.1818	.4983	.1031
48	.267	.0617	.0617	.0124	.1471	.4711	.0737
49	.272	.0513	.0569	.0093	.0752	.1294	.0447
50	.278	.0462	.0438	.0000	.0000	.0000	.0000
51	.283	.0400	.0467	.0000	.0000	.0000	.0000
52	.289	.0432	.0428	.0000	.0000	.0000	.0000
53	.294	.0436	.0439	.0000	.0000	.0000	.0000
54	.300	.0459	.0452	.0000	.0000	.0000	.0000
55	.306	.0449	.0452	.0000	.0000	.0000	.0000
56	.311	.0463	.0451	.0000	.0000	.0000	.0000
57	.317	.0390	.0428	.0000	.0000	.0000	.0000
58	.322	.0419	.0453	.0000	.0000	.0000	.0000
59	.328	.0422	.0384	.0107	.0384	.1891	.0417
60	.333	.0732	.0877	.0700	.1.1586	2.1364	.7376



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/59 AV. T= 9.4 RECORD = JM 26
HOUR = 18 SIG.MGT. = 26.0
TOTAL DF =152 CORR. VAR. = 42.3
NOISE LEVEL = .0251 WIND SPEED = 30

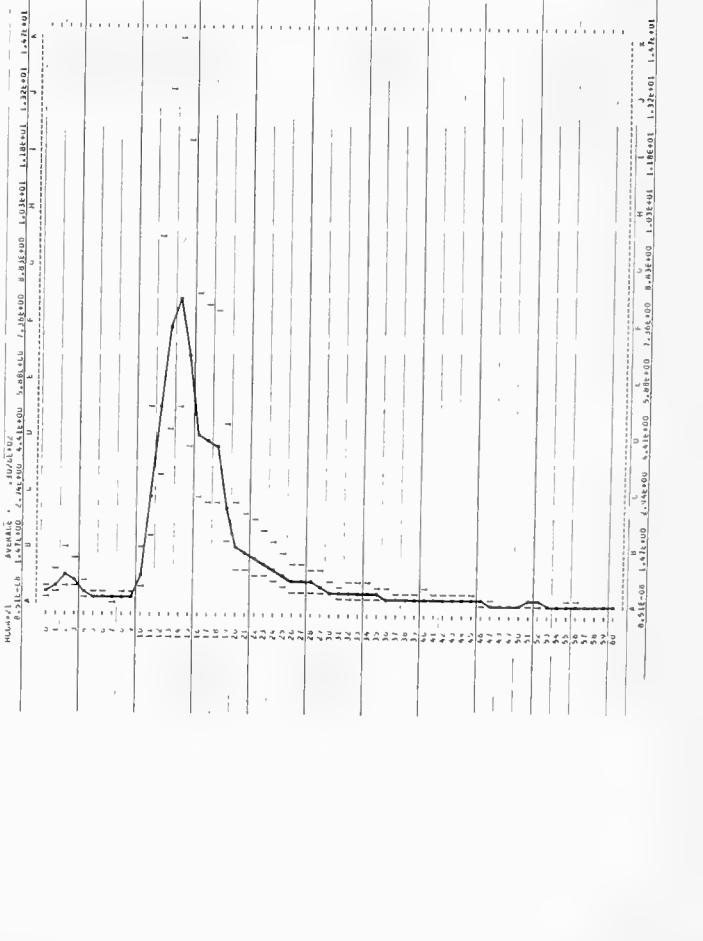
M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3910	.3910	.3660	.3660	.6745	.2330
1	.006	.3913	.3913	.3662	.3662	1.0437	.3606
2	.011	.6192	.6192	.5941	1.0951	1.6951	.3783
3	.017	.3871	.3871	.3620	.6672	.2305	
4	.022	.2706	.2706	.2456	.4526	.1564	
5	.028	.1473	.1473	.1222	.2252	.0778	
6	.033	.0973	.0973	.0723	.1339	.0725	
7	.039	.1060	.1060	.0809	.1074	.1980	.0884
8	.044	.0948	.0948	.0697	.0830	.1530	.0549
9	.050	.2057	.2057	.1806	.2005	.3695	.1276
10	.056	.6439	.6439	.6188	.6578	1.2124	.4188
11	.061	1.7517	1.7517	1.7266	1.7914	3.3017	1.1406
12	.067	2.9735	2.9735	2.9485	3.0243	5.5761	1.9257
13	.072	3.8716	3.8716	3.8465	3.7413	6.8959	2.3823
14	.078	4.1963	4.1963	4.1712	4.3172	7.9572	2.7489
15	.083	4.7618	4.7618	4.7367	4.9802	9.1793	3.1711
16	.089	4.6189	4.6189	4.5938	4.8846	9.0031	3.1102
17	.094	2.9971	2.9971	2.9720	3.2793	6.0463	2.0881
18	.100	1.5194	1.5194	1.4943	1.7011	3.1354	1.0832
19	.106	1.3255	1.3255	1.3004	1.3352	2.8295	.9775
20	.111	1.3062	1.3062	1.2812	1.3733	2.8998	1.0018
21	.117	.8906	.8906	.8655	1.1093	2.0446	.7063
22	.122	.5362	.5362	.5112	.6802	1.2648	.4369
23	.128	.4239	.4239	.3989	.5626	1.0369	.3582
24	.133	.3050	.3050	.2799	.4103	.7672	.2650
25	.139	.2306	.2306	.2056	.3234	.5961	.2059
26	.144	.2105	.2105	.1854	.3093	.5701	.1970
27	.150	.1971	.1971	.1720	.3051	.5623	.1942
28	.156	.1838	.1838	.1587	.3002	.5533	.1912
29	.161	.1284	.1284	.1033	.2090	.3852	.1331
30	.167	.1448	.1448	.1197	.2598	.4788	.1654
31	.172	.2257	.2257	.2008	.4674	.8624	.2979
32	.178	.2209	.2209	.1958	.4928	.9084	.3138
33	.183	.1478	.1478	.1227	.3336	.6149	.2124
34	.189	.0771	.0771	.0521	.1935	.2829	.0977
35	.194	.0741	.0741	.0490	.1588	.2891	.0999
36	.200	.0976	.0976	.0725	.2531	.4665	.1612
37	.206	.0897	.0897	.0646	.2461	.4537	.1567
38	.211	.0714	.0714	.0463	.1933	.3562	.1231
39	.217	.0528	.0528	.0277	.1270	.2341	.0809
40	.222	.0530	.0530	.0279	.1469	.2590	.0895
41	.228	.0529	.0529	.0278	.1374	.2532	.0875
42	.233	.0405	.0416	.0165	.1017	.1874	.0647
43	.239	.0332	.0332	.0081	.0551	.1016	.0351
44	.244	.0258	.0258	.0007	.0052	.0096	.0033
45	.250	.0175	.0191	.0000	.0000	.0000	.0000
46	.256	.0150	.0162	.0000	.0000	.0000	.0000
47	.261	.0178	.0178	.0000	.0000	.0000	.0000
48	.267	.0182	.0192	.0000	.0000	.0000	.0000
49	.272	.0210	.0225	.0000	.0000	.0000	.0000
50	.278	.0323	.0294	.0068	.0725	.1336	.0462
51	.283	.0372	.0340	.0040	.1530	.2820	.0974
52	.289	.0293	.0296	.0045	.0876	.1603	.0554
53	.294	.0212	.0224	.0000	.0000	.0000	.0000
54	.300	.0156	.0179	.0000	.0000	.0000	.0000
55	.306	.0168	.0140	.0000	.0000	.0000	.0000
56	.311	.0246	.0269	.0017	.0608	.1121	.0387
57	.317	.0348	.0316	.0065	.2467	.4548	.1571
58	.322	.0263	.0273	.0022	.0963	.1776	.0613
59	.328	.0205	.0219	.0000	.0000	.0000	.0000
60	.333	.0198	.0201	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 28/ 1/59 AV. T= 9.6 RECORD = JM 27
HOUR = 21 SIG.MGT. = 31.4
TOTAL DF =162 CORR. VAR. = 61.7
NOISE LEVEL = .0223 WIND SPEED = 30

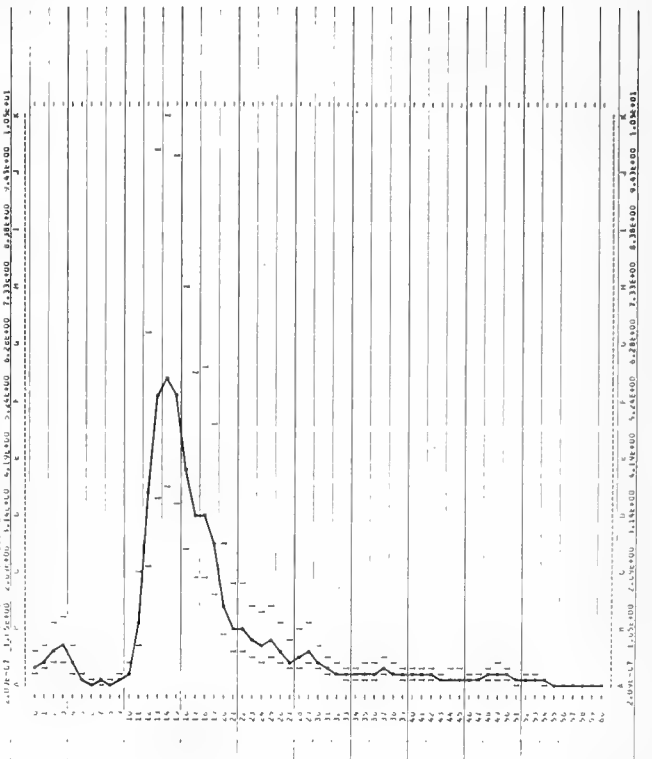
M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2432	.2432	.2209	.4209	.4072	.1407
1	.006	.5157	.5157	.4934	.4934	.9094	.3142
2	.011	.8091	.8091	.7868	.7868	1.4502	.5010
3	.017	.6510	.6510	.6287	.6787	1.1589	.4003
4	.022	.3398	.3398	.3176	.3176	.5854	.2022
5	.028	.1803	.1803	.1580	.1580	.2912	.1006
6	.033	.1457	.1457	.1234	.1944	.3583	.1238
7	.039	.1072	.1072	.0849	.1127	.2078	.0718
8	.044	.1257	.1257	.1035	.1232	.2271	.0785
9	.050	.1554	.1554	.1331	.1477	.2723	.0941
10	.056	.7679	.7679	.7457	.7926	1.4609	.5047
11	.061	2.6789	2.6789	2.6568	2.7542	5.0763	1.7537
12	.067	5.1113	5.1113	5.0891	5.2194	9.6210	3.3237
13	.072	7.1096	7.1096	7.0874	7.4717	13.4027	4.6302
14	.078	7.7337	7.7337	7.7115	7.4814	14.7108	5.0820
15	.083	6.2143	6.2143	6.1920	6.5101	11.9994	4.1453
16	.089	4.1723	4.1723	4.1500	4.4127	8.1332	2.8047
17	.094	3.8617	3.8617	3.8395	4.2365	7.8084	2.6975
18	.100	3.6418	3.6418	3.6193	4.1202	7.5941	2.6235
19	.106	2.1828	2.1828	2.1605	2.5269	4.6574	1.6090
20	.111	1.2204	1.2204	1.1982	1.4714	2.7120	.9369
21	.117	1.0384	1.0384	1.0161	1.3023	2.4004	.8292
22	.122	.9330	.9330	.9107	1.2226	2.2534	.7785
23	.128	.7715	.7715	.7493	1.0569	1.9479	.6729
24	.133	.6134	.6134	.5912	.8821	1.6268	.5619
25	.139	.4755	.4755	.4532	.7130	1.3141	.4540
26	.144	.3535	.3535	.3313	.5527	1.0187	.3519
27	.150	.3404	.3404	.3182	.5043	1.0401	.3593
28	.156	.2946	.2946	.2723	.5152	.9495	.3280
29	.161	.2426	.2426	.2203	.4457	.8214	.2838
30	.167	.1873	.1873	.1650	.3582	.6602	.2281
31	.172	.1374	.1374	.1151	.2685	.4949	.1710
32	.178	.1390	.1390	.1167	.2938	.5416	.1871
33	.183	.1378	.1378	.1155	.3146	.5798	.1949
34	.189	.1179	.1179	.0957	.2820	.5197	.1795
35	.194	.0988	.0988	.0765	.2449	.4514	.1559
36	.200	.0851	.0851	.0628	.2195	.4045	.1397
37	.206	.0711	.0711	.0488	.1860	.3428	.1184
38	.211	.0664	.0664	.0442	.1843	.3397	.1173
39	.217	.0623	.0623	.0400	.1833	.3379	.1167
40	.222	.0621	.0621	.0398	.2000	.3701	.1278
41	.228	.0559	.0555	.0332	.1849	.3408	.1177
42	.233	.0472	.0461	.0259	.1591	.2933	.1013
43	.239	.0415	.0421	.0199	.1356	.2499	.0863
44	.244	.0379	.0384	.0162	.1226	.2261	.0781
45	.250	.0378	.0365	.0142	.1203	.2217	.0766
46	.256	.0316	.0324	.0101	.0957	.1763	.0609
47	.261	.0296	.0285	.0062	.0655	.1207	.0417
48	.267	.0238	.0231	.0008	.0094	.0174	.0060
49	.272	.0158	.0191	.0000	.0000	.0000	.0000
50	.278	.0245	.0230	.0008	.0117	.0216	.0075
51	.283	.0296	.0274	.0052	.0883	.1627	.0562
52	.289	.0296	.0261	.0038	.0741	.1365	.0472
53	.294	.0228	.0236	.0013	.0285	.0526	.0182
54	.300	.0226	.0231	.0009	.0215	.0396	.0137
55	.306	.0259	.0245	.0023	.0650	.1197	.0414
56	.311	.0249	.0238	.0015	.0507	.0935	.0323
57	.317	.0181	.0177	.0000	.0000	.0000	.0000
58	.322	.0172	.0177	.0000	.0000	.0000	.0000
59	.328	.0187	.0183	.0000	.0000	.0000	.0000
60	.333	.0182	.0185	.0000	.0000	.0000	.0000



SPECTRA BROADCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 1/59 AV. I= .022 RECORD = JM 28
HOUR = 0 SIG.MGT. = 27.6
TOTAL LE =150 CURR. VAR. = 6.9
NOISE LEVEL = .0219 WIND SPEED = 40

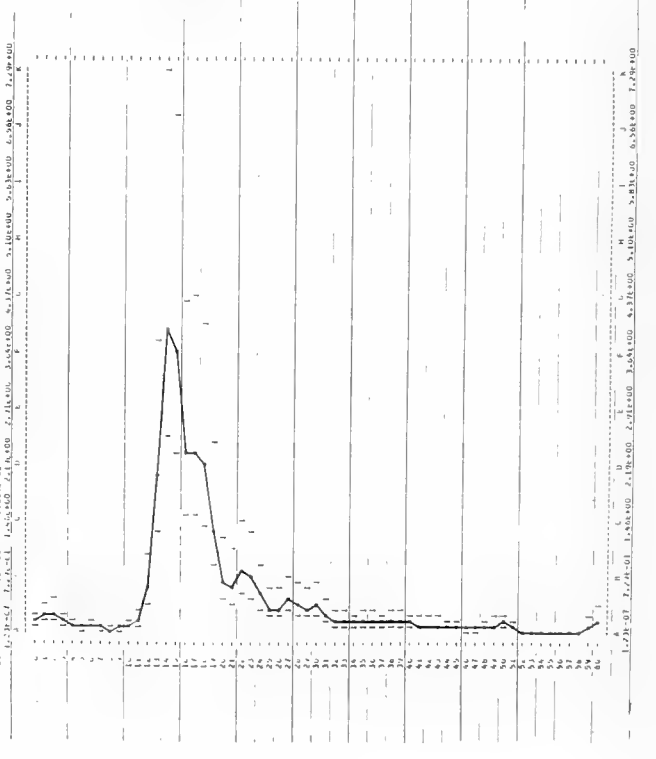
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3698	.3698	.3234	.3234	.5984	.2062
1	.006	.4683	.4681	.4243	.4243	.7821	.2702
2	.011	.8080	.8080	.8686	.8686	1.1907	.4114
3	.017	.7144	.7144	.6975	.6975	1.2856	.4441
4	.022	.4161	.4161	.3642	.3642	.7186	.2510
5	.028	.1150	.1150	.0031	.0031	.1716	.0593
6	.033	.0466	.0466	.0747	.0369	.0716	.0268
7	.039	.0847	.0427	.0467	.0587	.1046	.0381
8	.044	.0545	.0545	.0329	.0187	.0713	.0246
9	.050	.1008	.1008	.0984	.0342	.1736	.0600
10	.056	.2967	.2967	.2367	.2495	.4594	.1589
11	.061	1.1272	1.1272	1.1052	1.1467	2.1135	.7301
12	.067	3.4652	3.4652	3.4432	3.5317	6.5045	2.2468
13	.072	5.2514	5.2514	5.2294	5.3694	9.8993	3.4184
14	.078	5.5120	5.5120	5.4901	5.6822	10.4732	3.6181
15	.083	5.4396	5.4396	5.4176	5.6426	9.7551	3.3700
16	.089	3.7400	3.7400	3.7180	3.9534	7.2867	2.5173
17	.094	2.8625	2.8625	2.8405	3.1342	5.7784	1.9957
18	.100	2.8160	2.8160	2.7940	3.1807	5.8625	2.0253
19	.106	2.2380	2.2380	2.2161	2.6087	4.8044	1.6598
20	.111	1.1970	1.1970	1.1750	1.6436	2.8596	.9188
21	.117	.8020	.8026	.7800	.9998	1.8427	.6366
22	.122	.7193	.7193	.6973	.9381	1.9134	.6610
23	.128	.5873	.5873	.5653	.7925	1.4699	.5078
24	.133	.5037	.5037	.4817	.7184	1.3203	.4561
25	.139	.5344	.5344	.5175	.8161	1.5008	.5183
26	.144	.4042	.4042	.3721	.6375	1.1799	.4059
27	.150	.2719	.2719	.2500	.4833	.8172	.2823
28	.156	.2189	.2189	.1970	.3818	1.0356	.3577
29	.161	.3320	.3320	.3100	.5272	1.1560	.3993
30	.167	.2143	.2143	.1923	.4174	.7696	.2658
31	.172	.1358	.1358	.1137	.2652	.4987	.1808
32	.178	.1214	.1214	.0994	.2502	.4613	.1596
33	.183	.0961	.0961	.0722	.1961	.3615	.1249
34	.189	.0857	.0857	.0638	.1881	.3466	.1138
35	.194	.0912	.0912	.0692	.2711	.4084	.1411
36	.200	.0862	.0862	.0603	.2314	.4265	.1473
37	.206	.0943	.0943	.0723	.2754	.5077	.1754
38	.211	.0829	.0829	.0609	.2542	.4683	.1619
39	.217	.0845	.0845	.0428	.1952	.3597	.1243
40	.222	.0593	.0593	.0374	.1863	.3671	.1199
41	.228	.0553	.0553	.0334	.1824	.3371	.1163
42	.233	.0501	.0495	.0276	.1867	.3127	.1080
43	.239	.0348	.0426	.0206	.1458	.2546	.0897
44	.244	.0428	.0411	.0192	.1455	.2682	.0947
45	.250	.0405	.0395	.0175	.1482	.2731	.0963
46	.256	.0368	.0381	.0121	.1145	.2110	.0749
47	.261	.0361	.0361	.0122	.1286	.2370	.0819
48	.267	.0367	.0374	.0154	.1935	.3387	.1168
49	.272	.0418	.0368	.0169	.2259	.4183	.1438
50	.278	.0327	.0335	.0115	.1738	.3203	.1107
51	.283	.0236	.0267	.0047	.0804	.1446	.0515
52	.289	.0264	.0268	.0069	.1046	.1932	.0698
53	.294	.0271	.0268	.0069	.1084	.1970	.0680
54	.300	.0246	.0246	.0027	.0687	.1228	.0424
55	.306	.0223	.0220	.0001	.0023	.0042	.0014
56	.311	.0183	.0189	.0000	.0000	.0000	.0000
57	.317	.0184	.0184	.0000	.0000	.0000	.0000
58	.322	.0158	.0186	.0000	.0000	.0000	.0000
59	.328	.0195	.0189	.0000	.0000	.0000	.0000
60	.333	.0229	.0212	.0000	.0000	.0000	.0000



SPECTRA BROADCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 1/59 AV. I= .022 RECORD = JM 29
HOUR = 0 SIG.MGT. = 21.6
TOTAL LE =140 CURR. VAR. = 27.6
NOISE LEVEL = .0162 WIND SPEED = 35

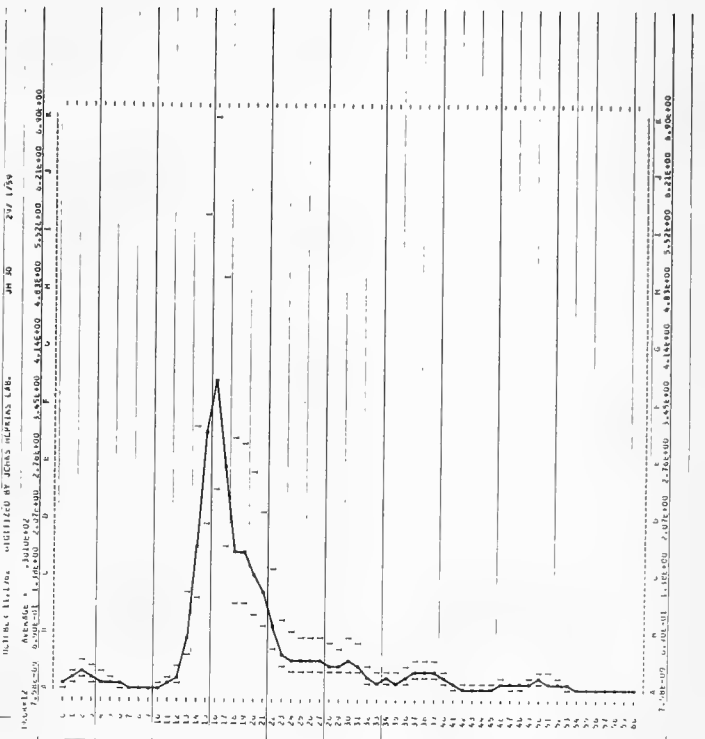
M	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1961	.1961	.1739	.1739	.2482	.0853
1	.006	.2190	.2190	.2028	.2028	.3736	.1241
2	.011	.2417	.2417	.2255	.2255	.4157	.1438
3	.017	.1515	.1515	.1353	.1353	.2444	.0861
4	.022	.0850	.0850	.0727	.0727	.1343	.0464
5	.028	.0672	.0672	.0511	.0511	.0941	.0345
6	.033	.0570	.0570	.0408	.0443	.1185	.0404
7	.039	.0528	.0528	.0385	.0484	.0892	.0308
8	.044	.0372	.0372	.0211	.0251	.0462	.0180
9	.050	.0560	.0560	.0339	.0375	.0692	.0234
10	.056	.0758	.0758	.0577	.0634	.1167	.0404
11	.061	.1310	.1310	.1348	.1396	.2578	.0890
12	.067	.3521	.3521	.3300	.3477	1.6132	.3506
13	.072	2.0184	2.0184	2.0022	2.0543	3.7884	1.3080
14	.078	3.8350	3.8350	3.8184	3.9525	7.2851	2.5167
15	.083	3.4734	3.4734	3.4572	3.6934	6.8097	2.3145
16	.089	2.2252	2.2252	2.2090	2.3488	4.3292	1.4936
17	.094	2.1524	2.1524	2.1362	2.3571	4.3445	1.5009
18	.100	1.7221	1.7221	1.7059	2.1847	3.7941	1.3115
19	.106	1.1388	1.1388	1.1226	1.3250	2.4421	.8437
20	.111	.5593	.5593	.5432	.6872	1.2794	.4267
21	.117	.4860	.4860	.4719	.6048	1.1147	.3851
22	.122	.4015	.4015	.3854	.4858	1.4483	.5003
23	.128	.3256	.3256	.3094	.4185	1.3243	.4575
24	.133	.3420	.3420	.3258	.4443	.8931	.3069
25	.139	.2126	.2126	.1904	.3046	.5635	.1767
26	.144	.2162	.2162	.1940	.3236	.5985	.2001
27	.150	.2478	.2478	.2317	.4159	.7573	.2818
28	.156	.1959	.1959	.1737	.3154	.6266	.2165
29	.161	.1898	.1898	.1937	.3148	.5722	.1771
30	.167	.1792	.1792	.1631	.2939	.5523	.2254
31	.172	.1222	.1222	.1061	.2474	.4557	.1575
32	.178	.0812	.0812	.0691	.1631	.3018	.1043
33	.183	.0884	.0884	.0722	.1619	.2615	.0963
34	.189	.0593	.0593	.0433	.1270	.2352	.0813
35	.194	.0630	.0630	.0469	.1442	.2781	.0934
36	.200	.0566	.0566	.0342	.1314	.2501	.0865
37	.206	.0560	.0560	.0338	.1280	.2374	.0826
38	.211	.0565	.0565	.0394	.1498	.2842	.0913
39	.217	.0481	.0481	.0314	.1483	.2697	.0932
40	.222	.0382	.0382	.0220	.1154	.2043	.0706
41	.228	.0324	.0345	.0183	.1018	.1976	.0684
42	.233	.0367	.0334	.0173	.1061	.1956	.0676
43	.239	.0306	.0311	.0143	.1016	.1873	.0647
44	.244	.0288	.0284	.0122	.0979	.1703	.0588
45	.250	.0258	.0258	.0096	.0944	.1667	.0567
46	.256	.0210	.0222	.0060	.0765	.1041	.0360
47	.261	.0200	.0208	.0046	.0665	.0935	.0309
48	.267	.0210	.0210	.0050	.0697	.1207	.0429
49	.272	.0248	.0228	.0070	.1023	.1985	.0851
50	.278	.0236	.0236	.0075	.1124	.2072	.0716
51	.283	.0194	.0217	.0055	.0869	.1113	.0365
52	.289	.0144	.0159	.0006	.0086	.0000	.0000
53	.294	.0155	.0153	.0000	.0000	.0000	.0001
54	.300	.0152	.0156	.0000	.0000	.0000	.0000
55	.306	.0142	.0146	.0000	.0000	.0000	.0000
56	.311	.0138	.0133	.0000	.0000	.0000	.0000
57	.317	.0148	.0137	.0000	.0000	.0000	.0000
58	.322	.0155	.0155	.0000	.0000	.0000	.0000
59	.328	.0172	.0183	.0021	.0262	.1357	.0676
60	.333	.0174	.0173	.0011	.0141	.2337	.1123



SPECTRA HINDCASTING OCTOBER 11,1982 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 1/54 AV. Te 8.5 RECORD = JH 30
HOUR = 12 SIG.HGT. = 14.8
TOTAL OF =133 CURR. VAR. = 24.5
NOISE LEVEL = .0130 WIND SPEED = 35

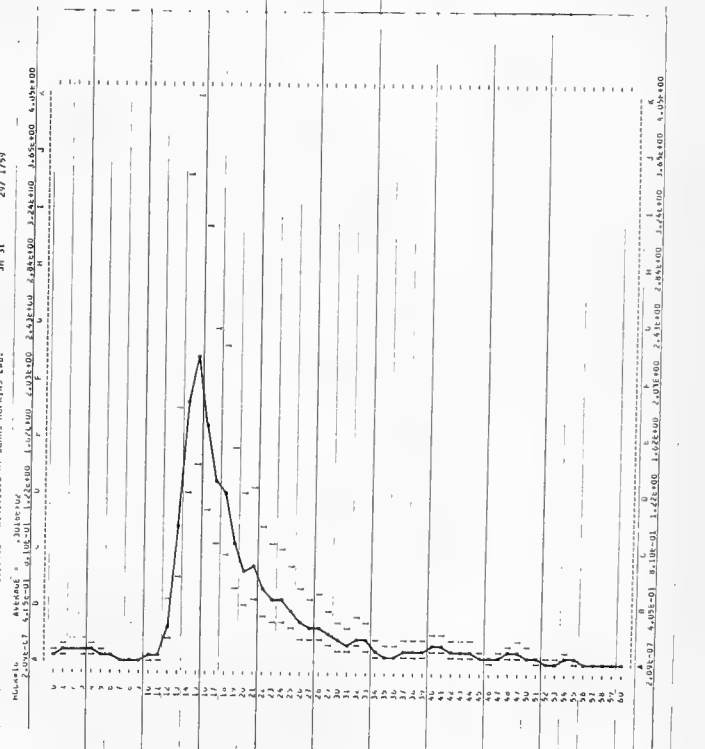
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0487	.0487	.0357	.0357	.0659	.0228
1	.009	.1179	.1174	.1049	.1044	.1934	.0868
2	.011	.1928	.1926	.1798	.1798	.3313	.1145
3	.017	.1849	.1849	.1518	.1518	.2794	.0987
4	.022	.1144	.1144	.1014	.1014	.1869	.0846
5	.028	.0775	.0775	.0645	.0645	.1188	.0610
6	.033	.0374	.0374	.0244	.0384	.0708	.0245
7	.039	.0145	.0145	.0065	.0086	.0158	.0055
8	.044	.0127	.0127	.0000	.0000	.0000	.0000
9	.050	.0235	.0235	.0105	.0116	.0214	.0074
10	.056	.0343	.0343	.0213	.0227	.0418	.0144
11	.061	.0808	.0808	.0678	.0704	.1297	.0448
12	.067	.1672	.1672	.1541	.1581	.2914	.1007
13	.072	.6324	.6324	.6194	.6355	1.1714	.4047
14	.078	1.6827	1.6827	1.6696	1.7281	3.1851	1.1063
15	.083	2.9601	2.9601	2.9471	3.0986	5.7112	1.9730
16	.089	3.5302	3.5232	3.5232	3.7402	6.9004	2.3854
17	.094	2.4610	2.4610	2.4480	2.7012	4.9786	1.7149
18	.100	1.4716	1.4716	1.4586	1.6604	3.0604	1.0573
19	.106	1.3921	1.3921	1.3791	1.6280	3.0007	1.0386
20	.111	1.1635	1.1635	1.1505	1.4120	2.6041	.8996
21	.117	.9214	.9214	.9084	1.1642	2.1459	.7413
22	.122	.5925	.5925	.5795	.7779	1.4338	.4953
23	.128	.3255	.3255	.3125	.4408	.8124	.2807
24	.133	.2652	.2652	.2522	.3750	.6912	.2388
25	.139	.2380	.2380	.2250	.3534	.6513	.2253
26	.144	.2235	.2235	.2105	.3511	.6472	.2236
27	.150	.2049	.2049	.1919	.3463	.6273	.2167
28	.156	.1768	.1768	.1638	.3098	.5711	.1973
29	.161	.1515	.1515	.1385	.2802	.5166	.1784
30	.167	.1628	.1628	.1498	.3251	.5993	.2070
31	.172	.1390	.1390	.1260	.2938	.5414	.1871
32	.178	.0702	.0702	.0572	.1440	.2654	.0917
33	.183	.0444	.0444	.0306	.0989	.1822	.0629
34	.189	.0519	.0519	.0389	.1146	.2112	.0730
35	.194	.0441	.0441	.0311	.0935	.1834	.0634
36	.200	.0526	.0526	.0396	.1381	.2546	.0880
37	.206	.0585	.0585	.0455	.1734	.3196	.1104
38	.211	.0555	.0555	.0425	.1773	.3268	.1129
39	.217	.0508	.0508	.0378	.1730	.3190	.1102
40	.222	.0353	.0353	.0223	.1125	.2074	.0717
41	.228	.0177	.0240	.0040	.0498	.0918	.0317
42	.233	.0166	.0170	.0046	.0248	.0458	.0158
43	.239	.0181	.0173	.0043	.0292	.0538	.0186
44	.244	.0153	.0164	.0034	.0299	.0478	.0165
45	.250	.0168	.0171	.0041	.0343	.0632	.0218
46	.256	.0416	.0195	.0065	.0611	.1126	.0389
47	.261	.0170	.0179	.0049	.0519	.0956	.0330
48	.267	.0137	.0101	.0031	.0364	.0671	.0232
49	.272	.0221	.0199	.0069	.0921	.1697	.0586
50	.278	.0227	.0216	.0086	.1294	.2384	.0824
51	.283	.0179	.0187	.0057	.0975	.1797	.0621
52	.289	.0186	.0186	.0036	.0463	.1222	.0462
53	.294	.0146	.0146	.0016	.0353	.0651	.0245
54	.300	.0131	.0130	.0000	.0000	.0000	.0000
55	.306	.0130	.0114	.0000	.0000	.0000	.0000
56	.311	.0096	.0104	.0000	.0000	.0000	.0000
57	.317	.0118	.0114	.0000	.0000	.0000	.0000
58	.322	.0132	.0124	.0000	.0000	.0000	.0000
59	.328	.0111	.0114	.0000	.0000	.0000	.0000
60	.333	.0095	.0103	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1982 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 29/ 1/54 AV. Te 8.3 RECORD = JH 31
HOUR = 18 SIG.HGT. = 16.5
TOTAL OF =157 CURR. VAR. = 17.0
NOISE LEVEL = .0086 WIND SPEED = 40

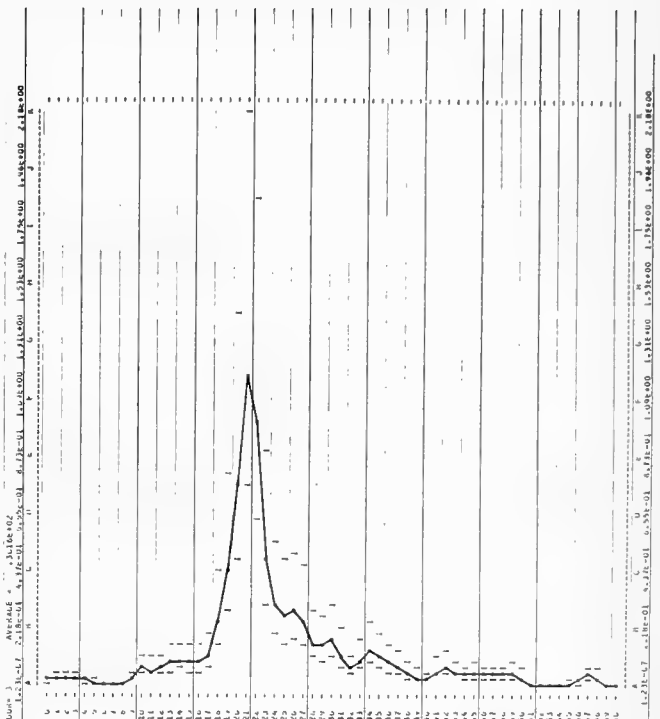
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0820	.0820	.0735	.0735	.0988	.0340
1	.006	.0845	.0845	.0759	.0759	.1400	.0484
2	.011	.1068	.1068	.0983	.1911	.0662	
3	.017	.0936	.0936	.0851	.0851	.1588	.0542
4	.022	.0812	.0812	.0726	.0726	.1338	.0462
5	.028	.0817	.0817	.0731	.0731	.0961	.0332
6	.033	.0293	.0293	.0208	.0477	.0802	.0268
7	.039	.0144	.0144	.0059	.0078	.0144	.0050
8	.044	.0131	.0131	.0046	.0078	.0144	.0050
9	.050	.0186	.0186	.0082	.0084	.0164	.0057
10	.056	.0348	.0348	.0262	.0279	.0513	.0177
11	.061	.0340	.0340	.0255	.0264	.0487	.0168
12	.067	.2403	.2403	.2318	.2439	.4492	.1553
13	.072	.9698	.9698	.9613	.9863	1.8174	.6280
14	.078	1.8264	1.8264	1.8178	1.8983	3.4678	1.1980
15	.083	2.5944	2.5944	2.5908	2.7983	4.9518	1.7347
16	.089	1.5968	1.5968	1.5883	1.6888	3.1127	1.0753
17	.094	1.1919	1.1919	1.1833	1.3057	2.4066	.8314
18	.100	1.0805	1.0805	1.0720	1.2263	2.2602	.7808
19	.106	.7254	.7254	.7168	.8462	1.5598	.5388
20	.111	.5377	.5377	.5292	.6448	1.1378	.4136
21	.117	.5349	.5349	.5263	.6746	1.2434	.4296
22	.122	.3985	.3985	.3900	.5235	.9647	.3333
23	.128	.3371	.3371	.3286	.4614	.8542	.2951
24	.133	.3073	.3073	.2988	.4443	.8189	.2829
25	.139	.2641	.2641	.2555	.4074	.7511	.2639
26	.144	.1787	.1787	.1701	.2838	.5231	.1807
27	.150	.1401	.1401	.1316	.2333	.4301	.1486
28	.156	.1441	.1441	.1355	.2268	.4182	.1443
29	.161	.1194	.1194	.1108	.2080	.3797	.1312
30	.167	.0758	.0758	.0672	.1459	.2688	.0929
31	.172	.0683	.0683	.0597	.1352	.2506	.0857
32	.178	.0758	.0758	.0672	.1692	.3119	.1077
33	.183	.0670	.0670	.0584	.1588	.2928	.1011
34	.189	.0399	.0399	.0313	.0923	.1701	.0598
35	.194	.0270	.0270	.0184	.0590	.1088	.0376
36	.200	.0248	.0248	.0162	.0560	.1032	.0356
37	.206	.0301	.0301	.0216	.0862	.1588	.0524
38	.211	.0294	.0294	.0208	.0888	.1800	.0553
39	.217	.0258	.0258	.0172	.0788	.1453	.0562
40	.222	.0297	.0297	.0211	.1065	.1963	.0678
41	.228	.0296	.0279	.0193	.1076	.1983	.0685
42	.233	.0213	.0231	.0145	.0895	.1649	.0570
43	.239	.0207	.0204	.0119	.0810	.1493	.0516
44	.244	.0206	.0141	.0105	.0756	.1468	.0507
45	.250	.0127	.0143	.0057	.0483	.0889	.0307
46	.256	.0098	.0110	.0025	.0235	.0432	.0149
47	.261	.0115	.0119	.0033	.0352	.0649	.0224
48	.267	.0158	.0147	.0061	.0729	.1343	.0464
49	.272	.0169	.0155	.0070	.0935	.1723	.0595
50	.278	.0116	.0125	.0040	.0862	.1109	.0383
51	.283	.0097	.0115	.0015	.0257	.0473	.0163
52	.289	.0090	.0092	.0007	.0132	.0243	.0084
53	.294	.0089	.0092	.0006	.0141	.0260	.0090
54	.300	.0105	.0094	.0013	.0333	.0614	.0212
55	.306	.0095	.0095	.0015	.0274	.0506	.0175
56	.311	.0084	.0085	.0000	.0000	.0000	.0000
57	.317	.0076	.0075	.0000	.0000	.0000	.0000
58	.322	.0059	.0086	.0000	.0000	.0000	.0000
59	.328	.0071	.0071	.0000	.0000	.0000	.0000
60	.333	.0088	.0088	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. T= 7.0 RECORD = JH 32
MCUR = 3 SIG.MGT. = 11.1
TOTAL OF =149 CORR. VAR. = 7.7
NOISE LEVEL = .0049 HEAD SPEED = 35

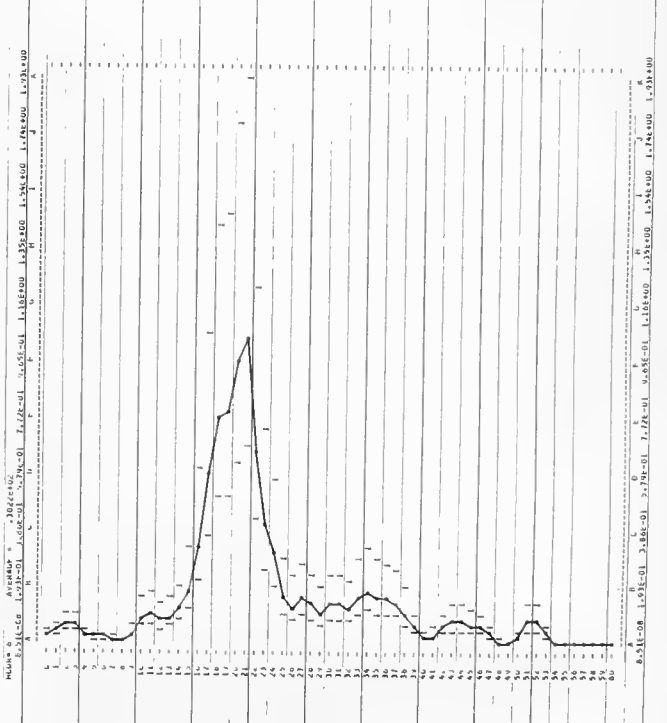
M	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0179	.0179	.0130	.0130	.0239	.0083
1	.006	.0284	.0284	.0215	.0215	.0396	.0137
2	.011	.0319	.0319	.0270	.0270	.0497	.0172
3	.017	.0272	.0272	.0223	.0223	.0411	.0142
4	.022	.0219	.0219	.0165	.0165	.0304	.0105
5	.028	.0116	.0116	.0067	.0067	.0123	.0043
6	.033	.0068	.0068	.0019	.0030	.0055	.0019
7	.039	.0085	.0085	.0036	.0048	.0088	.0030
8	.044	.0082	.0082	.0032	.0038	.0070	.0024
9	.050	.0290	.0290	.0201	.0243	.0441	.0282
10	.056	.0563	.0563	.0514	.0546	.1006	.0348
11	.061	.0525	.0525	.0525	.0545	.1004	.0347
12	.067	.0843	.0843	.0594	.0820	.1123	.0388
13	.072	.0870	.0870	.0821	.0842	.1552	.0536
14	.078	.0880	.0880	.0831	.0880	.1585	.0548
15	.083	.0881	.0881	.0792	.0832	.1536	.0530
16	.089	.0845	.0845	.0795	.0843	.1558	.0538
17	.094	.1011	.1011	.0762	.1061	.1956	.0676
18	.100	.2167	.2167	.2059	.2342	.4317	.1491
19	.106	.3719	.3719	.3670	.4332	.7985	.2758
20	.111	.0304	.0304	.0255	.7681	1.4157	.4891
21	.117	.9249	.9249	.9239	1.1894	2.1826	.7540
22	.122	.7522	.7522	.7473	1.0032	1.8490	.6388
23	.128	.3505	.3505	.3456	.4873	.8985	.3104
24	.133	.2043	.2043	.1993	.2484	.5163	.1783
25	.139	.1673	.1673	.1623	.4554	.8707	.1626
26	.144	.1693	.1693	.1643	.2742	.5053	.1746
27	.150	.1445	.1396	.1396	.4478	.8563	.1576
28	.156	.0892	.0892	.0843	.1595	.2939	.1015
29	.161	.0772	.0772	.0723	.1462	.2695	.0931
30	.167	.0833	.0833	.0784	.1701	.3135	.1083
31	.172	.0535	.0535	.0485	.1332	.2086	.0721
32	.178	.0282	.0282	.0232	.0585	.1077	.0372
33	.183	.0395	.0345	.0345	.0938	.1729	.0597
34	.189	.0480	.0430	.0430	.1268	.2338	.0808
35	.194	.0384	.0384	.0335	.1072	.1976	.0683
36	.200	.0288	.0288	.0238	.0832	.1533	.0530
37	.206	.0244	.0244	.0194	.0736	.1362	.0471
38	.211	.0167	.0167	.0118	.0492	.0907	.0313
39	.217	.0118	.0118	.0068	.0312	.0575	.0198
40	.222	.0102	.0102	.0052	.0203	.0464	.0167
41	.228	.0160	.0146	.0096	.0535	.0987	.0341
42	.233	.0179	.0161	.0112	.0686	.1265	.0437
43	.239	.0112	.0125	.0076	.0518	.0955	.0330
44	.244	.0094	.0100	.0050	.0380	.0701	.0242
45	.250	.0144	.0099	.0049	.0416	.0767	.0265
46	.256	.0091	.0092	.0042	.0400	.0737	.0254
47	.261	.0076	.0081	.0031	.0330	.0608	.0210
48	.267	.0080	.0079	.0030	.0356	.0657	.0227
49	.272	.0087	.0081	.0032	.0428	.0788	.0272
50	.278	.0072	.0071	.0021	.0320	.0590	.0204
51	.283	.0048	.0051	.0002	.0027	.0049	.0017
52	.289	.0031	.0031	.0000	.0000	.0000	.0000
53	.294	.0035	.0037	.0000	.0000	.0000	.0000
54	.300	.0051	.0048	.0000	.0000	.0000	.0000
55	.306	.0053	.0053	.0003	.0059	.0108	.0063
56	.311	.0052	.0054	.0005	.0152	.0280	.0094
57	.317	.0064	.0059	.0010	.0374	.0690	.0238
58	.322	.0056	.0057	.0007	.0315	.0581	.0201
59	.328	.0046	.0050	.0000	.0014	.0026	.0004
60	.333	.0053	.0050	.0000	.0012	.0023	.0004



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. T= 7.2 RECORD = JH 33
MCUR = 6 SIG.MGT. = 12.2
TOTAL OF =179 CORR. VAR. = 9.3
NOISE LEVEL = .0061 HEAD SPEED = 40

M	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0294	.0294	.0233	.0233	.0429	.0148
1	.006	.0384	.0342	.0342	.0322	.0594	.0209
2	.011	.0593	.0593	.0531	.0531	.0979	.0338
3	.017	.0545	.0545	.0484	.0484	.0891	.0308
4	.022	.0256	.0256	.0195	.0193	.0354	.0124
5	.028	.0160	.0160	.0099	.0099	.0182	.0063
6	.033	.0151	.0151	.0090	.0141	.0260	.0090
7	.039	.0127	.0127	.0066	.0087	.0161	.0055
8	.044	.0089	.0089	.0028	.0033	.0061	.0021
9	.050	.0321	.0321	.0259	.0288	.0531	.0183
10	.056	.0875	.0875	.0816	.0865	.1595	.0551
11	.061	.1015	.1015	.0954	.0989	.1824	.0630
12	.067	.0744	.0744	.0682	.0700	.1290	.0446
13	.072	.0829	.0767	.0767	.0787	.1451	.0501
14	.078	.1093	.1093	.1032	.1068	.1968	.0680
15	.083	.1748	.1748	.1687	.1773	.3269	.1129
16	.089	.3154	.3154	.3092	.3286	.6061	.2094
17	.094	.5252	.5252	.5190	.5727	1.0556	.3647
18	.100	.6905	.6905	.6844	.7791	1.4360	.4961
19	.106	.6786	.6786	.6724	.7938	1.4631	.5054
20	.111	.7944	.7883	.7883	1.0686	1.7842	.6164
21	.117	.8231	.8231	.8170	1.0471	1.9299	.6667
22	.122	.4981	.4981	.4919	.6803	1.2171	.4205
23	.128	.2905	.2844	.2844	.4211	.7353	.2554
24	.133	.2076	.2076	.2015	.2997	.5523	.1908
25	.139	.1081	.1081	.1019	.1604	.2956	.1021
26	.144	.0862	.0862	.0761	.1236	.2278	.0787
27	.150	.0963	.0963	.0841	.1492	.2750	.0950
28	.156	.0752	.0752	.0690	.1306	.2407	.0832
29	.161	.0586	.0586	.0524	.1060	.1954	.0675
30	.167	.0654	.0654	.0592	.1285	.2369	.0818
31	.172	.0604	.0604	.0543	.1283	.2332	.0806
32	.178	.0527	.0527	.0465	.1171	.2159	.0746
33	.183	.0625	.0625	.0564	.1532	.2823	.0975
34	.189	.0655	.0655	.0594	.1750	.3225	.1114
35	.194	.0539	.0539	.0477	.1528	.2816	.0973
36	.200	.0486	.0486	.0424	.1481	.2730	.0943
37	.206	.0428	.0428	.0366	.1396	.2572	.0889
38	.211	.0362	.0362	.0241	.1006	.1854	.0640
39	.217	.0185	.0185	.0123	.0565	.1041	.0360
40	.222	.0104	.0104	.0043	.0217	.0400	.0138
41	.228	.0109	.0109	.0048	.0265	.0488	.0169
42	.233	.0155	.0144	.0082	.0507	.0935	.0323
43	.239	.0188	.0171	.0109	.0744	.1372	.0474
44	.244	.0163	.0151	.0090	.0682	.1257	.0434
45	.250	.0131	.0131	.0069	.0585	.1078	.0372
46	.256	.0123	.0117	.0056	.0525	.0968	.0334
47	.261	.0086	.0090	.0029	.0308	.0567	.0196
48	.267	.0060	.0066	.0005	.0059	.0108	.0037
49	.272	.0049	.0059	.0000	.0000	.0000	.0000
50	.278	.0060	.0078	.0018	.0243	.0448	.0155
51	.283	.0115	.0102	.0042	.0688	.1268	.0438
52	.289	.0100	.0097	.0036	.0698	.1287	.0445
53	.294	.0069	.0079	.0019	.0396	.0544	.0190
54	.300	.0062	.0062	.0001	.0014	.0026	.0009
55	.306	.0055	.0056	.0000	.0000	.0000	.0000
56	.311	.0049	.0051	.0000	.0000	.0000	.0000
57	.317	.0050	.0048	.0000	.0000	.0000	.0000
58	.322	.0044	.0045	.0000	.0000	.0000	.0000
59	.328	.0039	.0040	.0000	.0000	.0000	.0000
60	.333	.0038	.0039	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

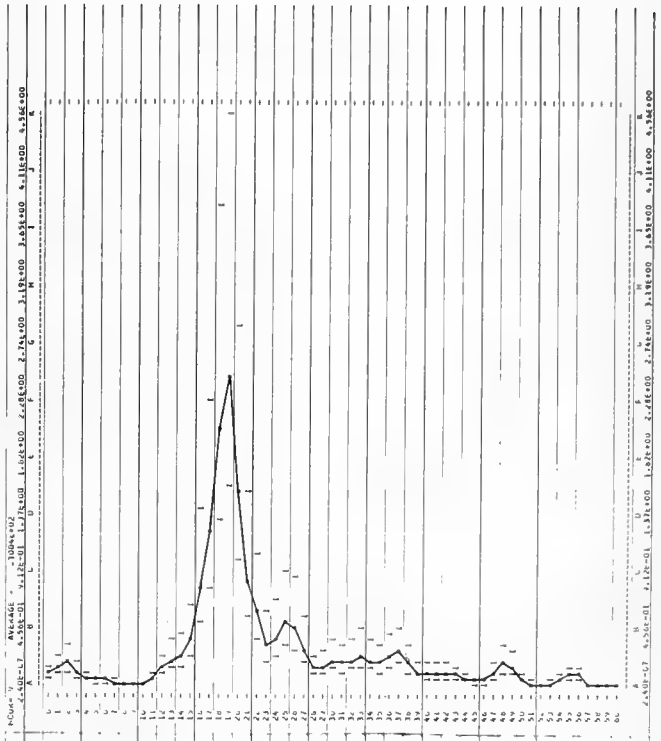
DATE = 24/ 1/59 Av. T= 7.3 RECORD = JH 34
HOUR = 9 SIG.HGT. = 18.2
TOTAL OF =192 CORR. VAR. = 18.4
NOISE LEVEL = .0119 WIND SPEED = 45

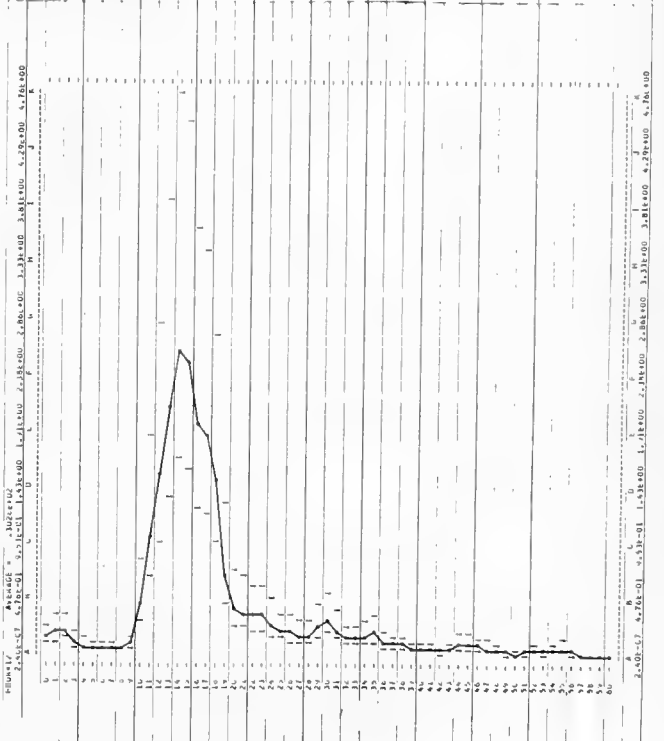
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0884	.0884	.0765	.0765	.1410	.0487
1	.006	.1436	.1436	.1317	.1317	.2428	.0839
2	.011	.1731	.1731	.1612	.1612	.2970	.1026
3	.017	.1077	.1077	.0959	.0959	.1767	.0610
4	.022	.0611	.0611	.0492	.0492	.0907	.0313
5	.028	.0436	.0436	.0317	.0317	.0585	.0202
6	.033	.0274	.0274	.0155	.0244	.0449	.0155
7	.039	.0227	.0227	.0108	.0143	.0264	.0091
8	.044	.0191	.0191	.0072	.0086	.0159	.0055
9	.050	.0135	.0135	.0016	.0018	.0033	.0011
10	.056	.0226	.0226	.0107	.0114	.0210	.0072
11	.061	.0883	.0883	.0764	.0585	.1078	.0373
12	.067	.1365	.1365	.1246	.1278	.2356	.0814
13	.072	.2002	.2002	.1883	.1932	.3561	.1230
14	.078	.2233	.2233	.2114	.2188	.4032	.1393
15	.083	.3509	.3509	.3390	.3584	.6569	.2269
16	.089	.7251	.7251	.7132	.7583	1.3977	.4824
17	.094	1.1278	1.1278	1.1159	1.2312	2.2694	.7840
18	.100	1.8294	1.8294	1.8175	2.0090	3.8135	1.3174
19	.106	2.1082	2.1082	2.0963	2.4747	4.5613	1.5758
20	.111	1.2842	1.2842	1.2723	1.5624	2.8747	.9948
21	.117	.8881	.8881	.8762	.8411	1.5502	.5355
22	.122	.4430	.4430	.4311	.3781	1.0867	.3865
23	.128	.2386	.2386	.2265	.3195	.5889	.2034
24	.133	.2582	.2582	.2463	.3863	.6751	.2332
25	.139	.3226	.3226	.3107	.4888	.9004	.3112
26	.144	.2899	.2899	.2780	.4638	.8548	.2953
27	.150	.1782	.1782	.1663	.2949	.5435	.1878
28	.156	.0815	.0815	.0696	.1317	.2428	.0839
29	.161	.0803	.0803	.0684	.1384	.2550	.0881
30	.167	.1010	.1010	.0891	.1935	.3566	.1232
31	.172	.0827	.0827	.0708	.1651	.3043	.1051
32	.178	.0910	.0910	.0792	.1992	.3672	.1269
33	.183	.0984	.0984	.0865	.2352	.4336	.1497
34	.189	.0775	.0775	.0656	.1935	.3567	.1232
35	.194	.0657	.0657	.0538	.1722	.3174	.1097
36	.200	.0750	.0750	.0631	.2202	.4059	.1402
37	.206	.0785	.0785	.0666	.2515	.4673	.1616
38	.211	.0544	.0544	.0425	.1772	.3265	.1128
39	.217	.0354	.0354	.0235	.1077	.1984	.0686
40	.222	.0310	.0310	.0191	.0981	.1771	.0612
41	.228	.0269	.0269	.0150	.0868	.1601	.0553
42	.233	.0271	.0262	.0143	.0879	.1619	.0559
43	.239	.0251	.0242	.0123	.0836	.1542	.0533
44	.244	.0186	.0194	.0075	.0568	.1044	.0361
45	.250	.0133	.0152	.0033	.0278	.0513	.0177
46	.256	.0136	.0155	.0036	.0343	.0632	.0218
47	.261	.0232	.0215	.0096	.1019	.1878	.0649
48	.267	.0293	.0260	.0141	.1678	.3094	.1069
49	.272	.0220	.0223	.0104	.1396	.2569	.0887
50	.278	.0145	.0159	.0041	.0611	.1127	.0389
51	.283	.0123	.0128	.0009	.0157	.0289	.0100
52	.289	.0117	.0122	.0003	.0051	.0095	.0033
53	.294	.0128	.0128	.0010	.0204	.0376	.0133
54	.300	.0142	.0140	.0021	.0533	.0983	.0339
55	.306	.0154	.0148	.0030	.0847	.1560	.0539
56	.311	.0151	.0143	.0024	.0862	.1479	.0511
57	.317	.0113	.0117	.0000	.0000	.0000	.0000
58	.322	.0085	.0092	.0000	.0000	.0000	.0000
59	.328	.0085	.0085	.0000	.0000	.0000	.0000
60	.333	.0086	.0085	.0000	.0000	.0000	.0000

SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 Av. T= 7.1 RECORD = JH 35
HOUR = 12 SIG.HGT. = 18.7
TOTAL OF =150 CORR. VAR. = 21.8
NOISE LEVEL = .0105 WIND SPEED = 30

M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1366	.1366	.1260	.1260	.2323	.0802
1	.006	.1930	.1930	.1825	.1825	.3364	.1162
2	.011	.2069	.2009	.1904	.1904	.3509	.1212
3	.017	.1179	.1179	.1074	.1074	.1979	.0684
4	.022	.0789	.0789	.0684	.0684	.1260	.0435
5	.028	.0625	.0625	.0519	.0519	.0957	.0331
6	.033	.0468	.0468	.0362	.0571	.1052	.0363
7	.039	.0466	.0466	.0358	.0476	.0877	.0303
8	.044	.0426	.0426	.0321	.0382	.0704	.0243
9	.050	.0828	.0828	.0722	.0802	.1477	.0510
10	.056	.4201	.4201	.4095	.4353	.8023	.2772
11	.061	.9879	.9879	.9773	1.0146	1.8689	.6456
12	.067	1.5015	1.5015	1.4910	1.5293	2.8187	.9738
13	.072	2.0425	2.0425	2.0320	2.0848	3.8426	1.3275
14	.078	2.5072	2.5072	2.4966	2.5840	4.7627	1.6453
15	.083	2.3458	2.3458	2.3353	2.4553	4.5255	1.5636
16	.089	1.9565	1.9565	1.9460	1.9849	3.6217	1.2512
17	.094	1.7083	1.7083	1.6977	1.8733	3.4527	1.1926
18	.100	1.6974	1.6974	1.6868	1.6849	2.7001	.9328
19	.106	.5911	.5911	.5806	.6854	1.2632	.4364
20	.111	.3171	.3171	.3065	.3764	.6936	.2397
21	.117	.2861	.2861	.2755	.3532	.6509	.2249
22	.122	.2497	.2497	.2391	.3210	.5917	.2044
23	.128	.2340	.2340	.2234	.3151	.5808	.2026
24	.133	.1757	.1757	.1652	.2457	.4528	.1564
25	.139	.1317	.1317	.1212	.1908	.3518	.1216
26	.144	.1216	.1216	.1111	.1893	.3615	.1150
27	.150	.1012	.1012	.0906	.1608	.2963	.1024
28	.156	.0886	.0886	.0781	.1471	.2722	.0940
29	.161	.1198	.1198	.1092	.2209	.4072	.1407
30	.167	.1366	.1366	.1260	.2735	.5042	.1742
31	.172	.0949	.0949	.0844	.1967	.3626	.1253
32	.178	.0840	.0840	.0735	.1346	.2480	.0857
33	.183	.0578	.0578	.0472	.1284	.2366	.0817
34	.189	.0656	.0656	.0550	.1622	.2989	.1033
35	.194	.0648	.0648	.0542	.1736	.3200	.1105
36	.200	.0412	.0412	.0306	.1068	.1969	.0680
37	.206	.0312	.0312	.0207	.0788	.1453	.0502
38	.211	.0298	.0298	.0193	.0804	.1481	.0512
39	.217	.0206	.0206	.0101	.0461	.0849	.0293
40	.222	.0188	.0188	.0082	.0414	.0763	.0264
41	.228	.0177	.0176	.0071	.0353	.0725	.0250
42	.233	.0137	.0162	.0057	.0350	.0644	.0223
43	.239	.0207	.0178	.0042	.0624	.1150	.0401
44	.244	.0267	.0239	.0134	.1013	.1868	.0645
45	.250	.0266	.0215	.0110	.0930	.1713	.0592
46	.256	.0176	.0182	.0077	.0725	.1336	.0462
47	.261	.0176	.0170	.0065	.0683	.1260	.0435
48	.267	.0150	.0151	.0046	.0546	.1006	.0348
49	.272	.0125	.0130	.0024	.0327	.0604	.0209
50	.278	.0115	.0121	.0013	.0227	.0419	.0145
51	.283	.0133	.0127	.0022	.0370	.0682	.0236
52	.289	.0130	.0128	.0023	.0440	.0811	.0280
53	.294	.0111	.0126	.0014	.0313	.0577	.0199
54	.300	.0133	.0126	.0021	.0524	.0965	.0333
55	.306	.0133	.0128	.0023	.0847	.1193	.0412
56	.311	.0112	.0113	.0008	.0255	.0469	.0162
57	.317	.0098	.0096	.0000	.0000	.0000	.0000
58	.322	.0070	.0076	.0000	.0000	.0000	.0000
59	.328	.0066	.0068	.0000	.0000	.0000	.0000
60	.333	.0078	.0071	.0000	.0000	.0000	.0000

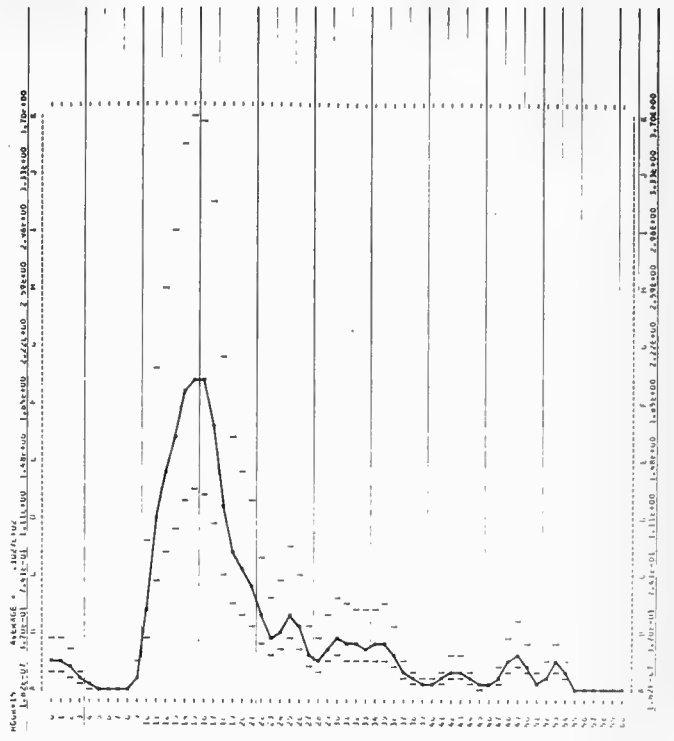




SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. T= 8.0 RECORD = JH 36
HOUR = 15 SIG.HGT. = 19.2
TOTAL DF =204 CORR. VAR. = 22.0
NOISE LEVEL = .0149 WIND SPEED = 30

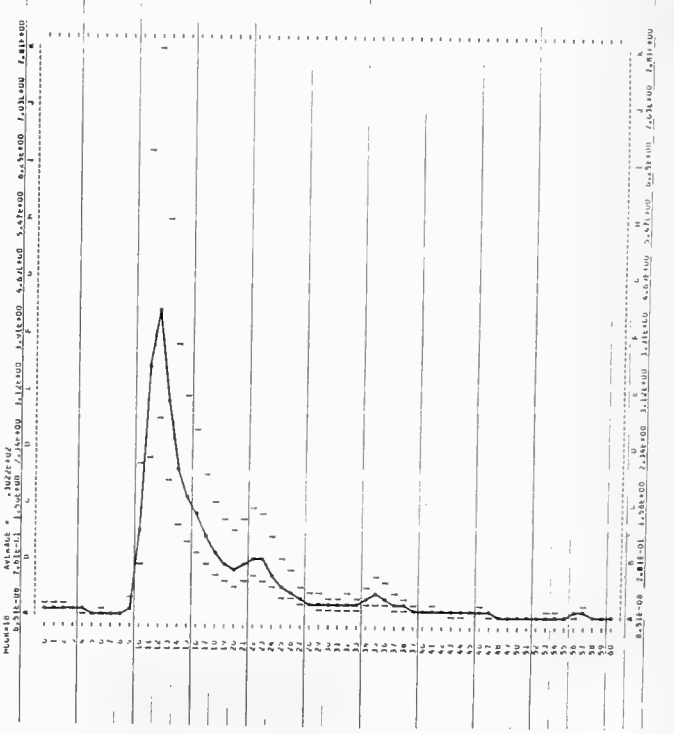
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1871	.1871	.1722	.1722	.3174	.1096
1	.006	.1957	.1957	.1807	.1807	.3371	.1151
2	.011	.1596	.1596	.1446	.1446	.2886	.0821
3	.017	.0814	.0814	.0665	.0665	.1276	.0423
4	.022	.0370	.0370	.0220	.0220	.0808	.0140
5	.028	.0225	.0225	.0076	.0076	.0340	.0068
6	.033	.0188	.0188	.0038	.0060	.0111	.0038
7	.039	.0211	.0211	.0062	.0082	.0152	.0052
8	.044	.0203	.0203	.0054	.0084	.0118	.0041
9	.050	.0981	.0981	.0831	.0923	.1701	.0587
10	.056	.5068	.5068	.4918	.5228	.9833	.3328
11	.061	1.1025	1.1025	1.0875	1.1283	2.0797	.7184
12	.067	1.3855	1.3855	1.3706	1.4058	2.5911	.8951
13	.072	1.5904	1.5904	1.5755	1.6165	2.9744	1.0243
14	.078	1.8677	1.8677	1.8528	1.9170	3.5345	1.2210
15	.083	1.9266	1.9266	1.9117	2.0100	3.7047	1.2798
16	.089	1.8905	1.8905	1.8755	1.9942	3.6757	1.2698
17	.094	1.5611	1.5611	1.5462	1.7060	3.1445	1.0863
18	.100	1.0419	1.0419	1.0270	1.1691	2.1548	.7444
19	.106	.7594	.7594	.7445	.8781	1.6198	.5596
20	.111	.4389	.4389	.4240	.5662	1.0423	.4879
21	.117	.3277	.3277	.3128	.4572	1.0114	.4185
22	.122	.3854	.3854	.3706	.4704	.8671	.4995
23	.128	.2479	.2479	.2330	.3286	.6057	.2092
24	.133	.2700	.2700	.2550	.3793	.6991	.2415
25	.139	.3298	.3298	.3149	.4951	.9129	.3154
26	.144	.2587	.2587	.2438	.4086	.7497	.2590
27	.150	.1440	.1440	.1290	.2288	.4218	.1457
28	.156	.1104	.1104	.0954	.1806	.3328	.1150
29	.161	.1466	.1466	.1315	.2660	.4902	.1694
30	.167	.1655	.1655	.1506	.3269	.6025	.2081
31	.172	.1406	.1406	.1256	.2931	.5401	.1866
32	.178	.1257	.1257	.1107	.2787	.5137	.1773
33	.183	.1156	.1156	.1007	.2737	.5045	.1743
34	.189	.1114	.1114	.0965	.2844	.5242	.1811
35	.194	.1104	.1104	.0955	.3058	.5637	.1946
36	.200	.0810	.0810	.0661	.2307	.4252	.1469
37	.206	.0629	.0629	.0480	.1657	.3466	.0874
38	.211	.0310	.0310	.0161	.0672	.1239	.0428
39	.217	.0248	.0248	.0098	.0451	.0832	.0287
40	.222	.0210	.0210	.0061	.0307	.0567	.0196
41	.228	.0269	.0120	.0020	.0065	.0225	.0423
42	.233	.0359	.0180	.0080	.0160	.0738	.0704
43	.239	.0359	.0330	.0180	.1224	.2266	.0783
44	.244	.0216	.0241	.0042	.0697	.1284	.0444
45	.250	.0148	.0173	.0024	.0401	.0370	.0142
46	.256	.0172	.0180	.0031	.0291	.0537	.0186
47	.261	.0221	.0229	.0080	.0844	.1564	.0540
48	.267	.0355	.0305	.0155	.1847	.3404	.1176
49	.272	.0362	.0328	.0179	.2389	.4404	.1521
50	.278	.0233	.0252	.0103	.1541	.2856	.0986
51	.283	.0144	.0180	.0030	.0518	.0955	.0330
52	.289	.0209	.0197	.0048	.0922	.1699	.0587
53	.294	.0254	.0226	.0076	.1682	.3100	.1071
54	.300	.0175	.0186	.0037	.0929	.1713	.0592
55	.306	.0128	.0141	.0000	.0000	.0000	.0000
56	.311	.0139	.0133	.0000	.0000	.0000	.0000
57	.317	.0128	.0128	.0000	.0000	.0000	.0000
58	.322	.0119	.0116	.0000	.0000	.0000	.0000
59	.328	.0096	.0099	.0000	.0000	.0000	.0000
60	.333	.0075	.0086	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 24/ 1/59 AV. T= 7.5 RECORD = JH 37
HOUR = 18 SIG.HGT. = 20.4
TOTAL DF =120 CORR. VAR. = 27.3
NOISE LEVEL = .0097

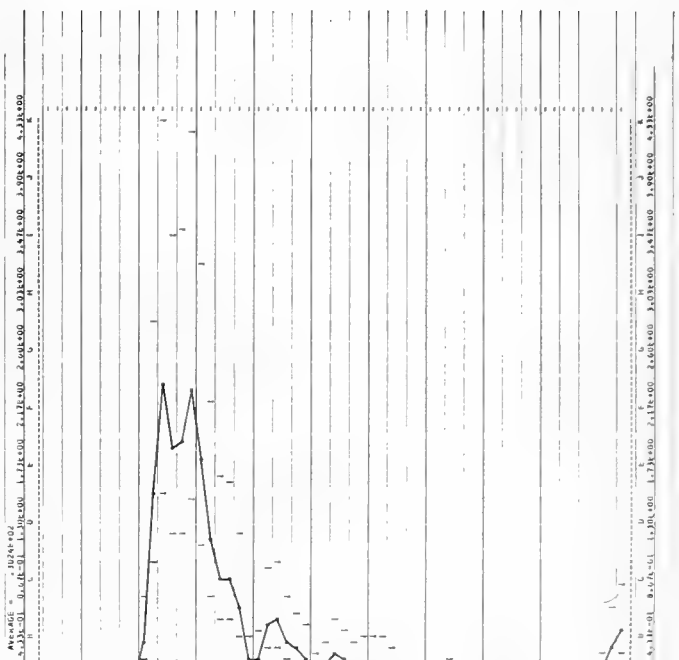
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0743	.0743	.0646	.0646	.1191	.0412
1	.006	.1061	.1061	.0964	.0964	.1778	.0614
2	.011	.1131	.1131	.1034	.1034	.1906	.0658
3	.017	.0717	.0717	.0620	.0620	.1143	.0395
4	.022	.0502	.0502	.0405	.0405	.0747	.0258
5	.028	.0298	.0298	.0201	.0201	.0371	.0128
6	.033	.0266	.0268	.0169	.0288	.0490	.0169
7	.039	.0244	.0244	.0147	.0195	.0360	.0126
8	.044	.0196	.0196	.0099	.0118	.0217	.0075
9	.050	.1111	.1111	.1014	.1126	.2075	.0717
10	.056	1.0963	1.0963	1.0866	1.1550	2.1284	.7355
11	.061	3.3441	3.3441	3.3344	3.4395	6.3363	2.2028
12	.067	4.1410	4.1410	4.1313	4.2381	7.8114	2.6988
13	.072	2.8957	2.8957	2.8860	2.9811	5.4577	1.8854
14	.078	1.9573	1.9573	1.9476	2.0157	3.7153	1.2835
15	.083	1.5762	1.5762	1.5666	1.6471	3.0358	1.0488
16	.089	1.3331	1.3331	1.3235	1.4072	2.5937	.8960
17	.094	.9741	.9741	.9644	1.0841	1.9813	.6778
18	.100	.7479	.7479	.7382	.8454	1.5490	.5351
19	.106	.6359	.6359	.6262	.7352	1.3625	.4707
20	.111	.5230	.5230	.5133	.6303	1.1618	.4014
21	.117	.3612	.3612	.3515	.4804	1.3069	.4541
22	.122	.3068	.3068	.2971	.8016	1.4774	.5104
23	.128	.5844	.5844	.5748	.7825	1.4423	.4982
24	.133	.3967	.3967	.3871	.5756	1.0809	.3865
25	.139	.2800	.2800	.2703	.4253	.7834	.2708
26	.144	.2053	.2053	.1956	.3264	.6018	.2078
27	.150	.1367	.1367	.1270	.2252	.4151	.1434
28	.156	.1079	.1079	.0982	.1897	.3424	.1183
29	.161	.0995	.0995	.0898	.1818	.3347	.1156
30	.167	.0741	.0741	.0644	.1364	.2576	.0890
31	.172	.0609	.0609	.0512	.1193	.2200	.0760
32	.178	.0692	.0692	.0595	.1494	.2763	.0954
33	.183	.0580	.0580	.0483	.1314	.2421	.0836
34	.189	.0795	.0795	.0698	.2057	.3792	.1310
35	.194	.1022	.1022	.0926	.2964	.5462	.1887
36	.200	.0768	.0768	.0671	.2343	.4319	.1492
37	.206	.0557	.0557	.0460	.1741	.3208	.1115
38	.211	.0378	.0378	.0281	.1172	.2161	.0746
39	.217	.0237	.0237	.0140	.0642	.1183	.0409
40	.222	.0223	.0223	.0126	.0635	.1170	.0404
41	.228	.0218	.0214	.0117	.0653	.1204	.0416
42	.233	.0198	.0199	.0102	.0826	.1154	.0399
43	.239	.0175	.0180	.0083	.0988	.1094	.0362
44	.244	.0171	.0172	.0075	.0570	.1050	.0363
45	.250	.0174	.0171	.0074	.0627	.1155	.0399
46	.256	.0174	.0166	.0069	.0650	.1198	.0414
47	.261	.0138	.0140	.0043	.0456	.0840	.0290
48	.267	.0103	.0110	.0013	.0158	.0287	.0099
49	.272	.0098	.0098	.0000	.0000	.0000	.0000
50	.278	.0079	.0082	.0000	.0000	.0000	.0000
51	.283	.0062	.0073	.0000	.0000	.0000	.0000
52	.289	.0089	.0087	.0000	.0000	.0000	.0000
53	.294	.0119	.0109	.0012	.0265	.0488	.0169
54	.300	.0107	.0109	.0012	.0304	.0560	.0194
55	.306	.0098	.0104	.0007	.0211	.0389	.0134
56	.311	.0120	.0114	.0017	.0551	.1016	.0351
57	.317	.0122	.0116	.0019	.0716	.1320	.0456
58	.322	.0097	.0099	.0003	.0109	.0200	.0069
59	.328	.0078	.0082	.0000	.0000	.0000	.0000
60	.333	.0072	.0075	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 247 1/59 AV. T= 7.7 RECORD = JH 38
HOUR = 21 SIG.MGT. = 14.1
TOTAL OF =180 COMM. VAR. = 22.9
NOISE LEVEL = .0098 WIND SPEED = 20

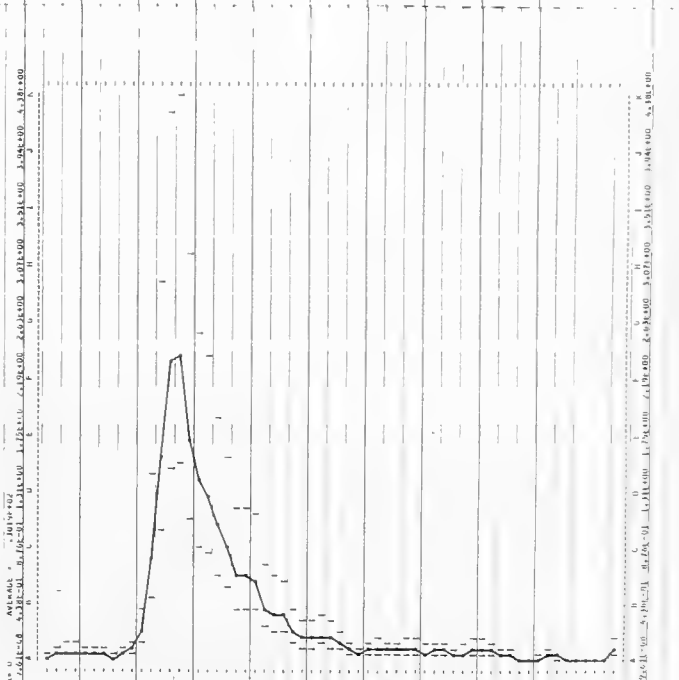
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	COMR.FT.2	UPPER	LOWER
0	.000	.0404	.0404	.0306	.0308	.0564	.0195
1	.006	.0524	.0524	.0436	.0436	.0803	.0277
2	.011	.0686	.0686	.0588	.0588	.1083	.0374
3	.017	.0874	.0874	.0575	.0575	.1080	.0366
4	.022	.0487	.0487	.0388	.0388	.0716	.0247
5	.028	.0279	.0279	.0180	.0180	.0332	.0115
6	.033	.0268	.0268	.0170	.0268	.0494	.0171
7	.039	.0354	.0355	.0255	.0339	.0625	.0216
8	.044	.0430	.0430	.0331	.0365	.0727	.0251
9	.050	.0767	.0767	.0669	.0762	.1368	.0473
10	.056	.3904	.3904	.3806	.4040	.7457	.2576
11	.061	1.4870	1.4870	1.4772	1.5326	2.8248	.9759
12	.067	2.3024	2.3024	2.2925	2.3514	4.3340	1.4973
13	.072	1.8396	1.8396	1.8298	1.8774	3.4603	1.1954
14	.078	1.8526	1.8526	1.8428	1.9073	3.5154	1.2144
15	.083	2.1946	2.1946	2.1848	2.4971	4.2339	1.4627
16	.089	1.6727	1.6727	1.6628	1.7681	3.2588	1.1258
17	.094	1.0881	1.0881	1.0783	1.1892	2.1929	.7576
18	.100	.7887	.7887	.7788	.8866	1.6342	.5646
19	.106	.7544	.7544	.7446	.8790	1.6201	.5597
20	.111	.5547	.5547	.5449	.6691	1.2333	.4261
21	.117	.1984	.1984	.1885	.2416	.4454	.1539
22	.122	.2078	.2078	.1979	.2657	.4898	.1692
23	.128	.3783	.3783	.3684	.5197	.9578	.3309
24	.133	.3802	.3802	.3704	.5508	1.0153	.3507
25	.139	.2597	.2597	.2499	.3931	.7245	.2503
26	.144	.2066	.2066	.1968	.3283	.6051	.2091
27	.150	.1655	.1655	.1556	.2761	.5088	.1758
28	.156	.1024	.1024	.0926	.1751	.3227	.1115
29	.161	.1135	.1135	.1037	.2098	.3867	.1336
30	.167	.1457	.1457	.1359	.2950	.5437	.1878
31	.172	.1179	.1179	.1080	.2520	.4644	.1604
32	.178	.0953	.0953	.0855	.2151	.3964	.1369
33	.183	.0929	.0929	.0830	.2257	.4160	.1437
34	.189	.0801	.0861	.0763	.2248	.4144	.1432
35	.194	.0823	.0823	.0724	.2319	.4275	.1477
36	.200	.0634	.0634	.0535	.1868	.3443	.1189
37	.206	.0416	.0416	.0317	.1208	.2227	.0769
38	.211	.0354	.0354	.0255	.1065	.1964	.0678
39	.217	.0254	.0254	.0156	.0714	.1315	.0454
40	.222	.0224	.0224	.0126	.0635	.1171	.0404
41	.228	.0342	.0307	.0208	.1158	.2134	.0737
42	.233	.0331	.0318	.0220	.1352	.2492	.0861
43	.239	.0263	.0269	.0170	.1162	.2142	.0740
44	.244	.0224	.0218	.0119	.0904	.1666	.0576
45	.250	.0143	.0180	.0081	.0518	.0954	.0330
46	.256	.0112	.0130	.0031	.0296	.0545	.0188
47	.261	.0157	.0152	.0053	.0564	.1039	.0359
48	.267	.0202	.0181	.0083	.0983	.1812	.0626
49	.272	.0169	.0165	.0066	.0885	.1630	.0563
50	.278	.0107	.0118	.0019	.0290	.0535	.0185
51	.283	.0083	.0086	.0000	.0000	.0000	.0000
52	.289	.0070	.0072	.0000	.0000	.0000	.0000
53	.294	.0068	.0067	.0000	.0000	.0000	.0000
54	.300	.0063	.0062	.0000	.0000	.0000	.0000
55	.306	.0048	.0056	.0000	.0000	.0000	.0000
56	.311	.0058	.0064	.0000	.0000	.0000	.0000
57	.317	.0091	.0094	.0000	.0000	.0000	.0000
58	.322	.0143	.0138	.0038	.0646	.1033	.0348
59	.328	.0176	.0168	.0070	.3489	.6431	.2222
60	.333	.0178	.0177	.0079	.4554	.8393	.2900



SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 25/ 1/54 AV. T= 8.4 RECORD = JH 39
HOUR = 0 SIG.MGT. = 17.7
TOTAL OF =156 COMM. VAR. = 14.5
NOISE LEVEL = .0084 WIND SPEED = 15

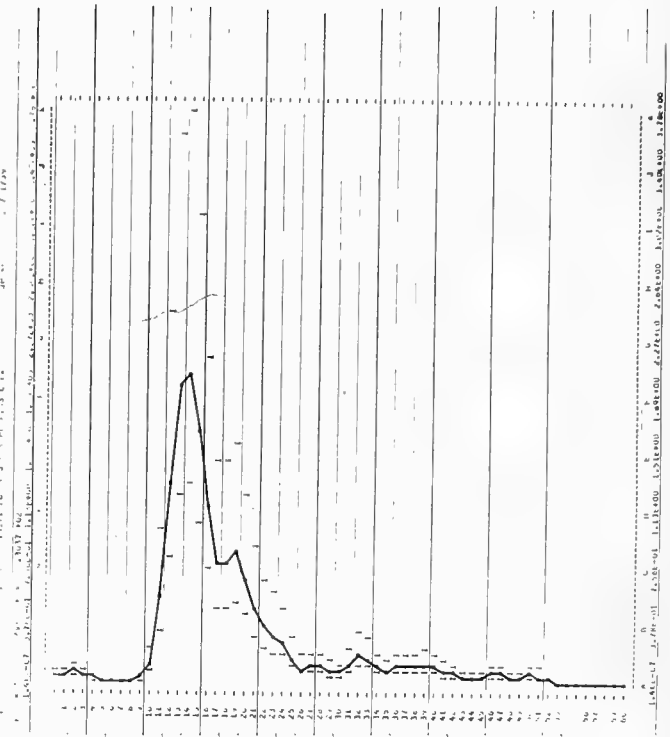
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	COMR.FT.2	UPPER	LOWER
0	.000	.0276	.0276	.0192	.0192	.0354	.0122
1	.006	.0454	.0454	.0371	.0371	.0683	.0236
2	.011	.0738	.0738	.0654	.0654	.1205	.0416
3	.017	.0736	.0736	.0652	.0652	.1202	.0415
4	.022	.0583	.0583	.0499	.0499	.0920	.0318
5	.028	.0515	.0515	.0432	.0432	.0795	.0275
6	.033	.0355	.0355	.0271	.0427	.0787	.0272
7	.039	.0227	.0227	.0144	.0191	.0352	.0122
8	.044	.0389	.0389	.0306	.0364	.0671	.0232
9	.050	.0714	.0714	.0631	.0700	.1290	.0446
10	.056	.2176	.2176	.2092	.2224	.4099	.1416
11	.061	.7638	.7638	.7554	.7838	1.4448	.4990
12	.067	1.5836	1.5836	1.5752	1.5932	2.9365	1.0145
13	.072	2.2647	2.2647	2.2564	2.3150	4.2669	1.4741
14	.078	2.3057	2.3057	2.2973	2.3777	4.3825	1.5140
15	.083	1.8272	1.8272	1.8188	1.7021	3.1372	1.0838
16	.089	1.3074	1.3074	1.2990	1.2813	2.3659	.8795
17	.094	1.1786	1.1786	1.1703	1.2913	2.3800	.8222
18	.100	.9148	.9148	.9065	1.0319	1.9020	.6571
19	.106	.7377	.7377	.7294	.8810	1.5870	.5482
20	.111	.5266	.5266	.5183	.6364	1.1731	.4052
21	.117	.5057	.5057	.4973	.6376	1.1749	.4059
22	.122	.4728	.4728	.4644	.6233	1.1491	.3970
23	.128	.3028	.3628	.2944	.4153	.7654	.2644
24	.133	.2475	.2475	.2391	.3558	.6556	.2264
25	.139	.2184	.2184	.2100	.3304	.6090	.2104
26	.144	.1430	.1430	.1346	.2240	.4140	.1430
27	.150	.1035	.1035	.0952	.1688	.3111	.1075
28	.156	.0983	.0983	.0900	.1762	.3137	.1064
29	.161	.0970	.0970	.0887	.1794	.3306	.1142
30	.167	.0832	.0832	.0749	.1625	.2945	.1035
31	.172	.0576	.0576	.0492	.1146	.2115	.0731
32	.178	.0383	.0383	.0300	.0754	.1390	.0480
33	.183	.0281	.0281	.0198	.0538	.0992	.0343
34	.189	.0329	.0329	.0245	.0723	.1332	.0460
35	.194	.0382	.0382	.0299	.0958	.1763	.0609
36	.200	.0295	.0295	.0211	.0737	.1358	.0469
37	.206	.0264	.0264	.0181	.0689	.1270	.0439
38	.211	.0322	.0322	.0238	.0993	.1830	.0632
39	.217	.0276	.0276	.0192	.0881	.1625	.0561
40	.222	.0213	.0213	.0130	.0653	.1204	.0416
41	.228	.0224	.0215	.0132	.0733	.1351	.0467
42	.233	.0262	.0199	.0116	.0712	.1313	.0454
43	.239	.0156	.0170	.0086	.0588	.1084	.0375
44	.244	.0161	.0167	.0083	.0629	.1160	.0401
45	.250	.0205	.0168	.0084	.0879	.1621	.0560
46	.256	.0182	.0179	.0096	.0962	.1883	.0574
47	.261	.0137	.0147	.0064	.0676	.1246	.0430
48	.267	.0143	.0134	.0050	.0594	.1094	.0378
49	.272	.0109	.0110	.0027	.0360	.0664	.0229
50	.278	.0067	.0080	.0000	.0000	.0000	.0000
51	.283	.0074	.0077	.0000	.0000	.0000	.0000
52	.289	.0097	.0093	.0009	.0173	.0326	.0113
53	.294	.0112	.0104	.0020	.0443	.0817	.0282
54	.300	.0093	.0094	.0010	.0250	.0461	.0159
55	.306	.0070	.0076	.0000	.0000	.0000	.0000
56	.311	.0072	.0076	.0000	.0000	.0000	.0000
57	.317	.0066	.0068	.0000	.0000	.0000	.0000
58	.322	.0063	.0069	.0000	.0000	.0000	.0000
59	.328	.0089	.0085	.0002	.0089	.0161	.0058
60	.333	.0110	.0100	.0016	.0937	.1727	.0597



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/ 12/62 AV. TE = 8.8 RECORD = JM 40
NCUR = 3 SIG.MGT. = 16.1
TOTAL CP =140 CURR. VAR. = 10.1
NOISE LEVEL = .0060 WIND SPEED = 20

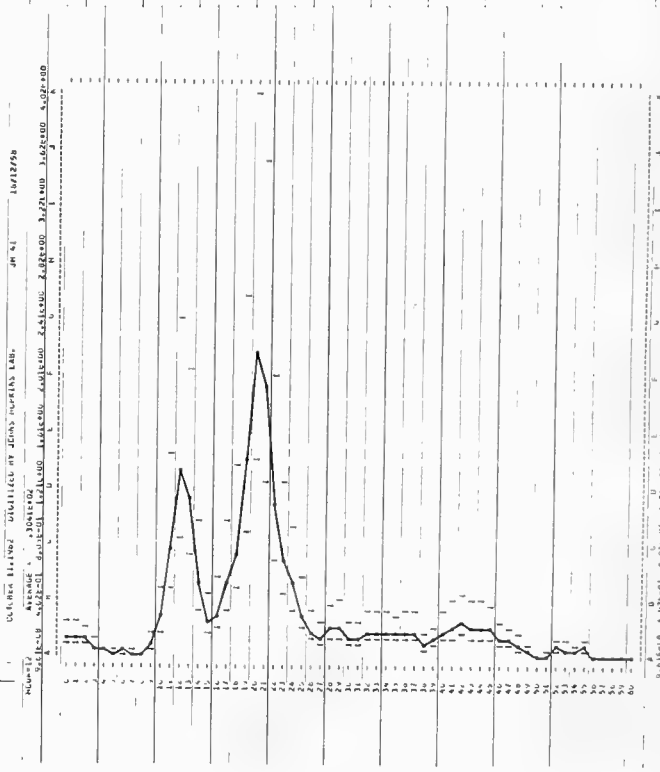
M	PWR.	UNIT-FT.2	PATTERN	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.0600	.0638	.0638	.0370	.0370	.0682	.0236
1	.0608	.0574	.0574	.0505	.0505	.0931	.0342
2	.0611	.0885	.0885	.0597	.0597	.1100	.0380
3	.0617	.0512	.0512	.0446	.0446	.0819	.0283
4	.0622	.0306	.0306	.0236	.0236	.0434	.0150
5	.0628	.0158	.0158	.0087	.0087	.0161	.0056
6	.0633	.0095	.0095	.0027	.0043	.0079	.0027
7	.0639	.0140	.0140	.0072	.0095	.0175	.0061
8	.0644	.0131	.0131	.0063	.0040	.0181	.0063
9	.0650	.0208	.0208	.0138	.0234	.0441	.0152
10	.0656	.0290	.0290	.0220	.0220	.0406	.0140
11	.0661	.0468	.0468	.0396	.0616	.1137	.0392
12	.0667	.1017	.1017	.0745	.1281	.2366	.0817
13	.0672	.1615	.1615	.1293	.2615	.4828	.1666
14	.0678	.2675	.2675	.2353	.5007	.9247	.3193
15	.0683	.4049	.4049	.3727	.8902	.1.6438	.5675
16	.0689	.5977	.5977	.5655	1.4609	2.6980	.9311
17	.0694	.7271	.7271	.7049	2.1744	4.0144	1.3861
18	.0700	.7055	.7055	.6833	2.8577	5.2760	1.8211
19	.0706	.7296	.7296	.7074	3.5652	6.5826	2.2728
20	.0711	.5864	.5864	.5574	4.1226	7.6115	2.6272
21	.0717	.3989	.3989	.3501	4.4727	8.2577	2.8502
22	.0722	.2806	.2806	.2317	4.7044	8.6850	2.9975
23	.0728	.2326	.2326	.1838	4.8882	9.0243	3.1145
24	.0733	.1927	.1927	.1439	5.0321	9.2895	3.2058
25	.0739	.1110	.1110	.1042	5.1363	9.4819	3.2722
26	.0744	.0824	.0824	.0556	.0927	.1708	.0590
27	.0750	.0844	.0844	.0576	.1502	.2773	.0957
28	.0756	.0651	.0651	.0382	.1884	.3477	.1200
29	.0761	.0651	.0651	.0382	.2266	.4182	.1443
30	.0767	.0332	.0332	.0063	.2329	.4299	.1484
31	.0772	.0556	.0556	.0286	.2615	.4827	.1666
32	.0778	.0796	.0796	.0526	.3141	.5798	.2001
33	.0783	.0681	.0681	.0412	.3553	.6558	.2263
34	.0789	.0418	.0418	.0150	.3703	.6835	.2358
35	.0794	.0356	.0356	.0087	.3790	.6996	.2414
36	.0800	.0341	.0341	.0073	.3863	.7130	.2460
37	.0806	.0323	.0323	.0055	.3918	.7232	.2495
38	.0811	.0331	.0331	.0063	.3981	.7348	.2535
39	.0817	.0320	.0320	.0051	.4032	.7443	.2568
40	.0822	.0271	.0271	.0002	.4034	.7446	.2569
41	.0828	.0215	.0215	.0050	.4084	.7538	.2601
42	.0833	.0164	.0171	.0103	.4187	.7728	.2667
43	.0839	.0138	.0142	.0074	.4260	.7863	.2713
44	.0844	.0128	.0129	.0061	.4321	.7976	.2752
45	.0850	.0116	.0123	.0055	.4376	.8078	.2787
46	.0856	.0140	.0131	.0063	.4439	.8194	.2827
47	.0861	.0131	.0126	.0058	.4497	.8301	.2864
48	.0867	.0088	.0101	.0033	.4531	.8363	.2885
49	.0872	.0099	.0098	.0030	.4560	.8417	.2904
50	.0878	.0114	.0107	.0039	.4599	.8489	.2929
51	.0883	.0104	.0101	.0033	.4632	.8550	.2950
52	.0889	.0096	.0096	.0028	.4660	.8602	.2968
53	.0894	.0084	.0085	.0017	.4677	.8633	.2979
54	.0900	.0065	.0080	.0012	.4689	.8655	.2987
55	.0906	.0062	.0062	.0000	.4689	.8655	.2987
56	.0911	.0067	.0067	.0005	.4694	.8664	.2990
57	.0917	.0062	.0062	.0000	.4694	.8664	.2990
58	.0922	.0062	.0062	.0000	.4694	.8664	.2990
59	.0928	.0062	.0062	.0000	.4694	.8664	.2990
60	.0933	.0062	.0062	.0000	.4694	.8664	.2990



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/62 AV. TE = 7.6 RECORD = JM 41
NCUR = 12 SIG.MGT. = 17.2
TOTAL CP =140 CURR. VAR. = 14.6
NOISE LEVEL = .0152 WIND SPEED = 40

M	PWR.	UNIT-FT.2	PATTERN	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.0000	.1384	.1384	.1232	.1232	.2271	.0765
1	.0006	.1494	.1494	.1342	.1342	.2474	.0833
2	.0011	.1230	.1230	.1078	.1078	.1988	.0887
3	.0017	.0705	.0705	.0553	.0553	.1019	.0352
4	.0022	.0473	.0473	.0321	.0321	.0591	.0204
5	.0028	.0343	.0343	.0191	.0191	.0352	.0121
6	.0033	.0309	.0309	.0157	.0248	.0457	.0158
7	.0039	.0285	.0285	.0134	.0177	.0327	.0113
8	.0044	.0226	.0226	.0075	.0089	.0164	.0057
9	.0050	.0853	.0853	.0701	.0778	.1434	.0495
10	.0056	.2686	.2686	.2534	.2694	.4965	.1715
11	.0061	.7630	.7630	.7478	.7754	1.4300	.4940
12	.0067	1.3023	1.3023	1.2871	1.3702	2.4333	.8408
13	.0072	1.1068	1.1068	1.0916	1.1221	2.0682	.7145
14	.0078	.5166	.5166	.5014	.5196	.9565	.3305
15	.0083	.2342	.2342	.2190	.2303	.4244	.1466
16	.0089	.2986	.2986	.2834	.3013	.5551	.1918
17	.0094	.4892	.4892	.4740	.5236	.9646	.3330
18	.0100	.6823	.6823	.6671	.7367	1.3576	.4691
19	.0106	1.1354	1.1354	1.1202	1.2586	2.5776	.8905
20	.0111	1.7926	1.7926	1.7774	2.1820	4.0204	1.3898
21	.0117	1.5221	1.5221	1.5069	1.9314	3.5599	1.2298
22	.0122	.8246	.8246	.8094	1.0192	2.0199	.6978
23	.0128	.5068	.5068	.4916	.5484	1.2624	.4361
24	.0133	.3545	.3545	.3393	.5045	.9300	.3217
25	.0139	.2060	.2060	.1908	.3001	.5532	.1911
26	.0144	.1232	.1232	.1080	.1862	.3322	.1148
27	.0150	.0911	.0911	.0759	.1347	.2482	.0857
28	.0156	.1145	.1145	.0993	.1879	.3464	.1197
29	.0161	.1212	.1212	.1060	.2145	.3953	.1366
30	.0167	.0743	.0743	.0591	.1284	.2366	.0817
31	.0172	.0761	.0761	.0599	.1373	.2531	.0874
32	.0178	.0853	.0853	.0701	.1765	.3254	.1124
33	.0183	.0761	.0761	.0609	.1656	.3053	.1054
34	.0189	.0753	.0753	.0602	.1713	.3208	.1129
35	.0194	.0655	.0655	.0503	.1810	.2988	.1025
36	.0200	.0663	.0663	.0511	.1782	.3285	.1135
37	.0206	.0589	.0589	.0437	.1663	.3066	.1059
38	.0211	.0378	.0378	.0226	.1043	.1737	.0600
39	.0217	.0387	.0387	.0235	.1076	.1983	.0685
40	.0222	.0408	.0408	.0256	.1179	.2122	.1079
41	.0228	.0577	.0542	.0390	.2170	.4000	.1382
42	.0233	.0533	.0527	.0375	.2305	.4248	.1468
43	.0239	.0443	.0484	.0312	.2128	.3922	.1355
44	.0244	.0463	.0436	.0284	.2157	.3976	.1374
45	.0250	.0375	.0377	.0225	.1901	.3503	.1210
46	.0256	.0273	.0314	.0162	.1341	.2472	.0854
47	.0261	.0254	.0295	.0103	.1087	.2003	.0692
48	.0267	.0238	.0278	.0076	.0965	.1668	.0576
49	.0272	.0180	.0246	.0036	.0957	.0881	.0274
50	.0278	.0129	.0150	.0000	.0000	.0000	.0000
51	.0283	.0161	.0161	.0009	.0153	.0281	.0097
52	.0289	.0208	.0208	.0056	.0376	.0690	.0445
53	.0294	.0166	.0178	.0026	.0584	.1049	.0362
54	.0300	.0176	.0173	.0021	.0533	.0983	.0340
55	.0306	.0184	.0174	.0022	.0640	.1180	.0408
56	.0311	.0148	.0148	.0000	.0000	.0000	.0000
57	.0317	.0143	.0139	.0000	.0000	.0000	.0000
58	.0322	.0157	.0143	.0000	.0000	.0000	.0000
59	.0328	.0110	.0118	.0000	.0000	.0000	.0000
60	.0333	.0098	.0098	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

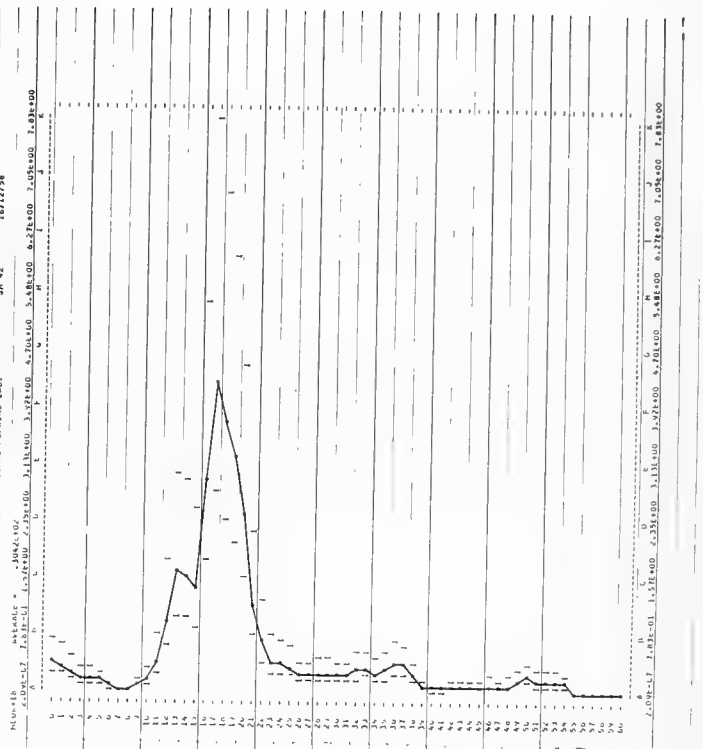
DATE = 10/12/58 AV. T= 8.1 RECORD = JH 42
HOUR = 18 SIG.HGT. = 22.4
TOTAL OF =155 CORR. VAR. = 32.7
NOISE LEVEL = .0193 WIND SPEED = 40

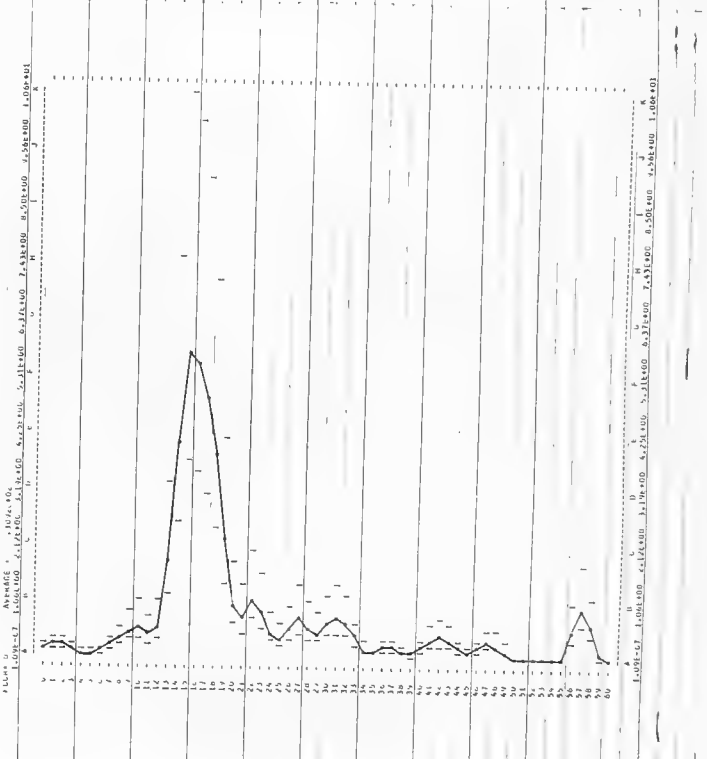
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4213	.4213	.4020	.4020	.7410	.2560
1	.006	.3673	.3673	.3480	.3480	.6915	.2216
2	.011	.2540	.2540	.2348	.2348	.4327	.1495
3	.017	.1882	.1882	.1689	.1689	.3113	.1076
4	.022	.1902	.1902	.1710	.1710	.3151	.1089
5	.028	.1443	.1443	.1251	.1251	.2305	.0796
6	.033	.0573	.0573	.0380	.0380	.0599	.0381
7	.039	.0261	.0261	.0069	.0091	.0168	.0058
8	.044	.0334	.0334	.0142	.0169	.0311	.0107
9	.050	.0831	.0831	.0638	.0708	.1306	.0451
10	.056	.1744	.1744	.1552	.1649	.3040	.1050
11	.061	.4211	.4211	.4019	.4170	.7685	.2655
12	.067	.9618	.9618	.9426	.9688	1.7820	.6156
13	.072	1.5855	1.5855	1.5663	1.6070	2.9620	1.0232
14	.078	1.5423	1.5423	1.5231	1.5784	2.9055	1.0037
15	.083	1.3317	1.3317	1.3125	1.3794	2.5434	.8787
16	.089	2.7284	2.7284	2.7092	2.8806	5.3094	1.8342
17	.094	3.8703	3.8703	3.8510	4.2492	7.8319	2.7056
18	.100	3.2841	3.2841	3.2648	3.7186	6.8503	2.3665
19	.106	2.7325	2.7325	2.7532	3.2502	5.9905	2.0695
20	.111	1.9905	1.9905	1.9712	2.4207	4.4616	1.5413
21	.117	.9635	.9635	.9442	1.2102	2.2306	.7706
22	.122	.5181	.5181	.4988	.6690	1.2342	.4264
23	.128	.3224	.3224	.3032	.4276	.7882	.2723
24	.133	.2702	.2702	.2509	.3732	.6878	.2376
25	.139	.2230	.2230	.2037	.3204	.5906	.2040
26	.144	.1495	.1495	.1303	.2174	.4006	.1384
27	.150	.1500	.1500	.1307	.2319	.4274	.1476
28	.156	.1558	.1558	.1366	.2583	.4762	.1645
29	.161	.1378	.1378	.1185	.2397	.4419	.1527
30	.167	.1254	.1254	.1062	.2304	.4247	.1467
31	.172	.1184	.1184	.0992	.2313	.4262	.1472
32	.178	.1331	.1331	.1139	.2866	.5283	.1825
33	.183	.1365	.1365	.1172	.3186	.5872	.2049
34	.189	.1074	.1074	.0882	.2599	.4790	.1655
35	.194	.1075	.1075	.0883	.2826	.5210	.1800
36	.200	.1249	.1249	.1107	.3862	.7119	.2459
37	.206	.1139	.1139	.0946	.3605	.6644	.2295
38	.211	.0699	.0699	.0507	.2113	.3895	.1346
39	.217	.0382	.0382	.0189	.0886	.1596	.0551
40	.222	.0284	.0284	.0092	.0462	.0852	.0294
41	.228	.0290	.0294	.0102	.0568	.1043	.0360
42	.233	.0319	.0313	.0121	.0741	.1367	.0472
43	.239	.0329	.0324	.0131	.0896	.1652	.0571
44	.244	.0313	.0318	.0126	.0953	.1758	.0607
45	.250	.0323	.0317	.0124	.1052	.1939	.0670
46	.256	.0319	.0309	.0117	.1160	.2028	.0701
47	.261	.0251	.0276	.0083	.0883	.1627	.0562
48	.267	.0277	.0284	.0092	.1089	.2006	.0693
49	.272	.0380	.0331	.0139	.1856	.3421	.1182
50	.278	.0331	.0328	.0136	.2045	.3770	.1302
51	.283	.0276	.0291	.0098	.1677	.3091	.1068
52	.289	.0286	.0281	.0088	.1711	.3153	.1089
53	.294	.0288	.0276	.0084	.1839	.3389	.1171
54	.300	.0263	.0243	.0050	.1565	.2332	.0846
55	.306	.0202	.0199	.0006	.0182	.0336	.0116
56	.311	.0142	.0149	.0000	.0000	.0000	.0000
57	.317	.0096	.0109	.0000	.0000	.0000	.0000
58	.322	.0104	.0108	.0000	.0000	.0000	.0000
59	.328	.0134	.0129	.0000	.0000	.0000	.0000
60	.333	.0149	.0142	.0000	.0000	.0000	.0000

SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58 AV. T= 7.4 RECORD = JH 43
HOUR = 0 SIG.HGT. = 27.1
TOTAL OF =153 CORR. VAR. = 45.8
NOISE LEVEL = .0403 WIND SPEED = 40

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1633	.1633	.1170	.1170	.2157	.0745
1	.006	.2074	.2074	.1611	.1611	.2970	.1026
2	.011	.2150	.2150	.1687	.1687	.3110	.1074
3	.017	.1345	.1345	.0932	.0932	.1718	.0594
4	.022	.0924	.0924	.0461	.0461	.0849	.0293
5	.028	.0759	.0759	.0298	.0296	.0546	.0189
6	.033	.0862	.0862	.0459	.0628	.1156	.0400
7	.039	.1772	.1772	.1316	.1739	.3205	.1107
8	.044	.2923	.2923	.2481	.2930	.5401	.1866
9	.050	.4516	.4516	.4053	.4499	.8292	.2865
10	.056	.5621	.5621	.5158	.5683	1.0476	.3619
11	.061	.4339	.4339	.3876	.4022	.7413	.2561
12	.067	.6046	.6048	.5584	.5727	1.0556	.3647
13	.072	1.7602	1.7602	1.7139	1.7640	3.2524	1.1238
14	.078	3.9881	3.9881	3.9419	4.0758	7.5138	2.5976
15	.083	5.5264	5.5264	5.4801	5.7618	10.6198	3.6688
16	.089	5.2134	5.2134	5.1671	5.4942	10.1267	3.4964
17	.094	4.4649	4.4649	4.4186	4.8755	8.9867	3.1044
18	.100	3.4221	3.4221	3.3758	3.6430	7.0833	2.4470
19	.106	1.9342	1.9342	1.8879	2.2267	4.1077	1.4191
20	.111	.8293	.8293	.7831	.9816	1.7724	.6123
21	.117	.6173	.6173	.5711	.7319	1.3490	.4660
22	.122	.8567	.8567	.8104	1.0879	2.0051	.6927
23	.128	.6807	.6807	.6344	.8666	1.5973	.5518
24	.133	.3666	.3666	.3203	.4763	.8779	.3033
25	.139	.2672	.2672	.2209	.3476	.6408	.2213
26	.144	.3405	.3405	.2942	.4908	.9047	.3125
27	.150	.4543	.4543	.4080	.7236	1.3338	.4608
28	.156	.3531	.3531	.3069	.5805	1.0700	.3697
29	.161	.2756	.2756	.2293	.4639	.8550	.2954
30	.167	.3432	.3432	.2969	.6449	1.1889	.4106
31	.172	.3669	.3669	.3186	.7431	1.3698	.4732
32	.178	.2905	.2905	.2442	.8147	1.5019	.5914
33	.183	.1840	.1840	.1378	.5745	.6902	.2384
34	.189	.1000	.1000	.0538	.1585	.2921	.1009
35	.194	.0726	.0726	.0263	.0843	.1553	.0536
36	.200	.0925	.0925	.0462	.1614	.2974	.1028
37	.206	.0992	.0929	.0529	.2016	.3717	.1284
38	.211	.0693	.0693	.0236	.0960	.1770	.0612
39	.217	.0640	.0640	.0178	.0814	.1501	.0518
40	.222	.0846	.0846	.0384	.1934	.3565	.1232
41	.228	.1116	.1050	.0588	.3269	.6025	.2081
42	.233	.1205	.1123	.0660	.4062	.7488	.2586
43	.239	.0968	.0968	.0503	.3432	.6326	.2185
44	.244	.0667	.0723	.0260	.1971	.3633	.1255
45	.250	.0513	.0589	.0126	.1067	.1967	.0680
46	.256	.0695	.0662	.0099	.1864	.3473	.1200
47	.261	.0802	.0745	.0183	.2990	.5512	.1904
48	.267	.0673	.0691	.0219	.2598	.4788	.1654
49	.272	.0578	.0577	.0114	.1523	.2807	.0970
50	.278	.0471	.0476	.0013	.0202	.0373	.0129
51	.283	.0382	.0383	.0000	.0000	.0000	.0000
52	.289	.0267	.0276	.0000	.0000	.0000	.0000
53	.294	.0236	.0271	.0000	.0000	.0000	.0000
54	.300	.0342	.0344	.0000	.0000	.0000	.0000
55	.306	.0425	.0456	.0000	.0000	.0000	.0000
56	.311	.0698	.0631	.0169	.5537	1.0203	.3545
57	.317	.0863	.0725	.0262	.9876	1.8204	.6259
58	.322	.0573	.0600	.0143	.5217	1.1458	.3958
59	.328	.0445	.0476	.0013	.0647	.1196	.0413
60	.333	.0434	.0440	.0000	.0000	.0000	.0000

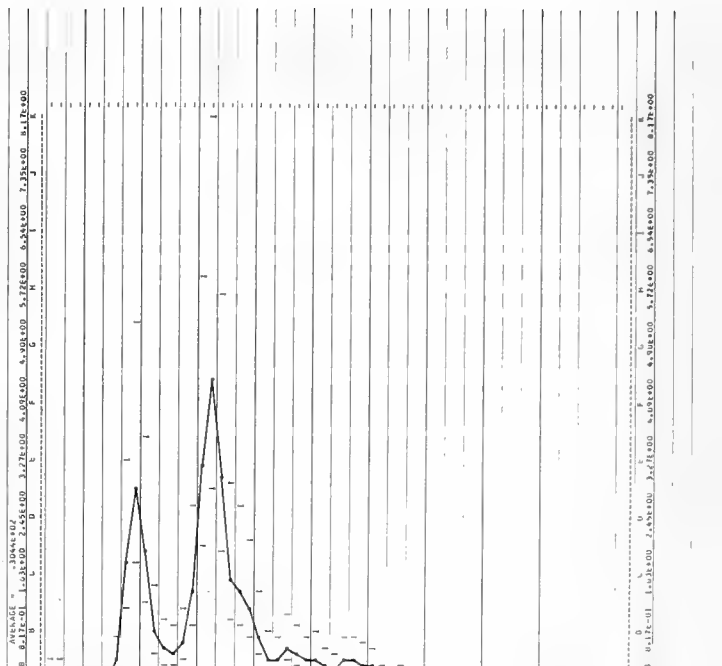




SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58 AV. T= 6.8 RECORD = JH 44
HOUR = 6 SIG.HGT. = 23.4
TOTAL OF =173 CORR. VAR. = 34.1
NOISE LEVEL = .0263 WIND SPEED = 25

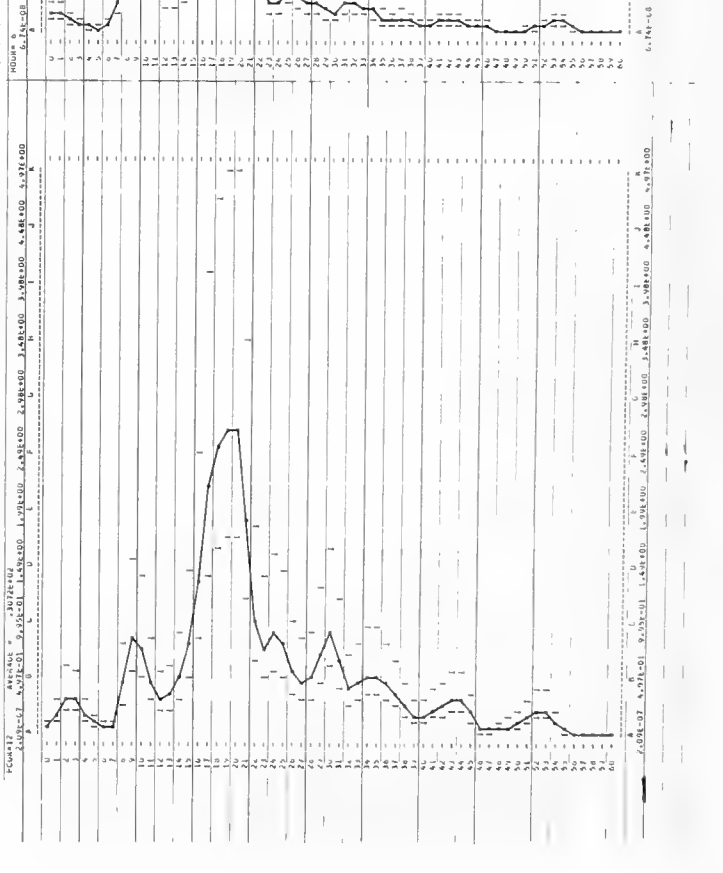
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4355	.2355	.2110	.2110	.3889	.1343
1	.006	.2291	.2291	.2046	.2046	.3772	.1303
2	.011	.1778	.1778	.1533	.1533	.2825	.0976
3	.017	.1045	.1045	.0800	.0800	.1474	.0509
4	.022	.0654	.0654	.0409	.0409	.0754	.0260
5	.028	.0550	.0550	.0308	.0308	.0568	.0196
6	.033	.0736	.0736	.0491	.0774	.1426	.0493
7	.039	.3221	.3221	.2976	.3951	.7283	.2516
8	.044	1.5080	1.5080	1.4835	1.7606	3.2561	1.1249
9	.050	2.5879	2.5879	2.5635	2.8452	5.2441	1.8116
10	.056	1.8507	1.8507	1.8262	1.9413	3.5780	1.2361
11	.061	.7843	.7843	.7598	.7883	1.4530	.5020
12	.067	.5540	.5540	.5345	.5482	1.0104	.3491
13	.072	.4902	.4902	.4657	.4778	.8807	.3042
14	.078	.4343	.4343	.4098	.4311	1.1633	.4015
15	.083	1.3709	1.3709	1.3464	1.4157	2.6093	.9014
16	.089	3.0370	3.0370	3.0125	3.2032	5.9040	2.0396
17	.094	4.6427	4.6427	4.6182	4.9337	8.1720	2.8231
18	.100	2.7153	2.7153	2.6908	3.0632	5.6460	1.9505
19	.106	1.3676	1.3676	1.3432	1.5856	2.9225	1.0096
20	.111	1.1771	1.1771	1.1527	1.4155	2.6089	.9013
21	.117	.9356	.9356	.9111	1.1678	2.1524	.7436
22	.122	.7868	.7868	.7623	.7548	1.3913	.4806
23	.128	.3335	.3335	.3090	.4359	.8035	.2776
24	.133	.3037	.3037	.2792	.4152	.7653	.2644
25	.139	.3940	.3940	.3696	.5814	1.0715	.3702
26	.144	.3284	.3284	.3039	.3070	.9345	.3228
27	.150	.2470	.2470	.2225	.3947	.7274	.2513
28	.156	.2604	.2604	.2359	.4402	.8224	.2841
29	.161	.1827	.1827	.1583	.3201	.5901	.2038
30	.167	.1518	.1518	.1273	.2703	.5093	.1759
31	.172	.1970	.1970	.1725	.4023	.7415	.2562
32	.178	.1760	.1760	.1515	.3812	.7027	.2427
33	.183	.1573	.1573	.1328	.3611	.6655	.2299
34	.189	.1327	.1327	.1082	.3191	.5881	.2032
35	.194	.0811	.0811	.0566	.1812	.3339	.1154
36	.200	.0599	.0599	.0354	.1230	.2278	.0787
37	.206	.0660	.0660	.0415	.1582	.2916	.1007
38	.211	.0586	.0586	.0341	.1423	.2622	.0906
39	.217	.0468	.0468	.0183	.0767	.1377	.0476
40	.222	.0395	.0395	.0150	.0757	.1395	.0482
41	.228	.0542	.0472	.0227	.1262	.2326	.0804
42	.233	.0508	.0488	.0243	.1494	.2754	.0951
43	.239	.0424	.0432	.0187	.1278	.2355	.0813
44	.244	.0348	.0372	.0127	.0965	.1778	.0614
45	.250	.0395	.0369	.0124	.1047	.1930	.0667
46	.256	.0359	.0338	.0093	.0878	.1619	.0559
47	.261	.0195	.0239	.0000	.0000	.0000	.0000
48	.267	.0195	.0210	.0000	.0000	.0000	.0000
49	.272	.0275	.0254	.0009	.0118	.0217	.0075
50	.278	.0262	.0269	.0025	.0371	.0684	.0236
51	.283	.0278	.0280	.0035	.0593	.1093	.0378
52	.289	.0310	.0301	.0056	.1092	.2013	.0696
53	.294	.0307	.0307	.0062	.1357	.2501	.0864
54	.300	.0318	.0302	.0057	.1440	.2655	.0917
55	.306	.0270	.0247	.0002	.0838	.1175	.0406
56	.311	.0198	.0211	.0000	.0000	.0000	.0000
57	.317	.0170	.0177	.0000	.0000	.0000	.0000
58	.322	.0153	.0149	.0000	.0000	.0000	.0000
59	.328	.0207	.0200	.0000	.0000	.0000	.0000
60	.333	.0263	.0235	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58 AV. T= 7.3 RECORD = JH 45
HOUR = 12 SIG.HGT. = 22.5
TOTAL OF =241 CORR. VAR. = 31.7
NOISE LEVEL = .0364 WIND SPEED = 40

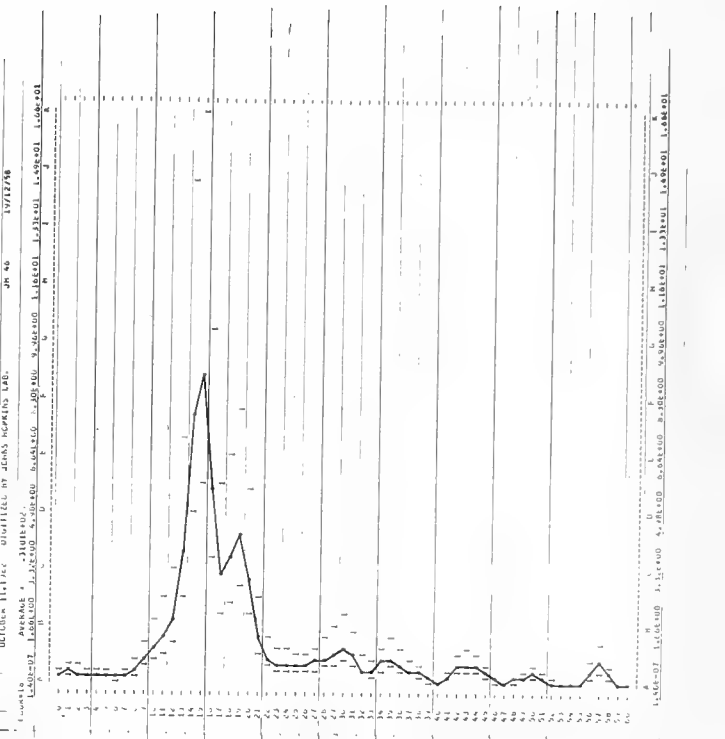
N	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.006	.1061	.1001	.0636	.0636	.1173	.0405
1	.006	.2028	.2028	.1663	.1663	.3066	.1059
2	.011	.3548	.3548	.3184	.3184	.5869	.2027
3	.017	.3336	.3336	.2972	.2972	.5477	.1892
4	.022	.2093	.2093	.1729	.1729	.3186	.1101
5	.028	.1224	.1224	.0859	.0859	.1584	.0547
6	.033	.0740	.0740	.0376	.0592	.1091	.0377
7	.039	.0844	.0844	.0480	.0637	.1174	.0406
8	.044	.3617	.3617	.3552	.4230	.7797	.2694
9	.050	.7973	.7908	.7644	1.5584	1.4354	.5377
10	.056	.7588	.7588	.7224	.7670	1.4154	.4890
11	.061	.4725	.4725	.4360	.4524	.8338	.2880
12	.067	.3306	.3306	.2941	.3017	.5560	.1921
13	.072	.3605	.3605	.3241	.3325	.6128	.2117
14	.078	.5168	.5168	.4803	.4972	.9163	.3166
15	.083	.7710	.7710	.7345	.7723	1.4235	.4918
16	.089	1.3129	1.3129	1.2784	1.3572	2.5016	.8642
17	.094	2.0390	2.0390	2.0025	2.2096	4.0726	1.4069
18	.100	2.2775	2.2775	2.2410	2.5512	4.7023	1.6245
19	.106	2.3213	2.3213	2.2848	2.6072	4.9714	1.7174
20	.111	2.2338	2.2338	2.1973	2.6983	4.9734	1.7181
21	.117	1.5142	1.5142	1.4778	1.8981	3.4910	1.2060
22	.122	.7885	.7521	1.0096	1.8808	.6428	
23	.128	.5793	.5793	.5428	.7657	1.4112	.4875
24	.133	.6251	.6251	.5887	.6755	1.6138	.5574
25	.139	.5284	.5284	.4920	.7739	1.4264	.4928
26	.144	.3528	.3528	.3164	.5278	.9728	.3361
27	.150	.2995	.2995	.2631	.4666	.8600	.2971
28	.156	.2651	.2651	.2286	.4842	.9017	.3115
29	.161	.3868	.3868	.3503	.7087	1.3062	.4513
30	.167	.4523	.4523	.4158	.9025	1.6634	.5746
31	.172	.3090	.3090	.2725	.6355	1.1714	.4047
32	.178	.1910	.1910	.1545	.3889	.7169	.2477
33	.183	.1981	.1981	.1617	.4195	.8100	.2798
34	.189	.2121	.2121	.1757	.5178	.9544	.3297
35	.194	.1954	.1954	.1590	.5090	.9382	.3241
36	.200	.1631	.1631	.1266	.4418	.8144	.2813
37	.206	.1304	.1304	.0939	.3577	.6592	.2277
38	.211	.0932	.0932	.0567	.2368	.4366	.1508
39	.217	.0696	.0696	.0332	.1520	.2801	.0968
40	.222	.0699	.0699	.0334	.1684	.3105	.1073
41	.228	.0761	.0747	.0383	.2129	.3924	.1355
42	.233	.0759	.0768	.0403	.2481	.4573	.1580
43	.239	.0624	.0792	.0428	.2918	.5378	.1858
44	.244	.0628	.0783	.0399	.3024	.5573	.1925
45	.250	.0530	.0522	.0208	.1758	.3240	.1119
46	.256	.0341	.0437	.0073	.0556	.0653	.0227
47	.261	.0416	.0397	.0032	.0342	.0631	.0218
48	.267	.0411	.0414	.0049	.0586	.1083	.0374
49	.272	.0408	.0417	.0052	.0696	.1284	.0443
50	.278	.0444	.0440	.0075	.1133	.2088	.0721
51	.283	.0467	.0464	.0099	.1694	.3122	.1078
52	.289	.0496	.0478	.0114	.2149	.4052	.1400
53	.294	.0462	.0458	.0093	.2047	.3773	.1303
54	.300	.0464	.0442	.0047	.1188	.2190	.0757
55	.306	.0387	.0377	.0012	.0356	.0656	.0227
56	.311	.0323	.0328	.0000	.0000	.0000	.0000
57	.317	.0258	.0279	.0000	.0000	.0000	.0000
58	.322	.0203	.0278	.0000	.0000	.0000	.0000
59	.328	.0291	.0287	.0000	.0000	.0000	.0000
60	.333	.0277	.0284	.0000	.0000	.0000	.0000



SPECTRA MINIGASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58 Av, T= 8.1 RECORD = JH 46
MEAN = 18 SIG.MGT. = 31.7
TOTAL CP =152 CHAR. VAR. = 82.7
NOISE LEVEL = .0432 WIND SPEED = 30

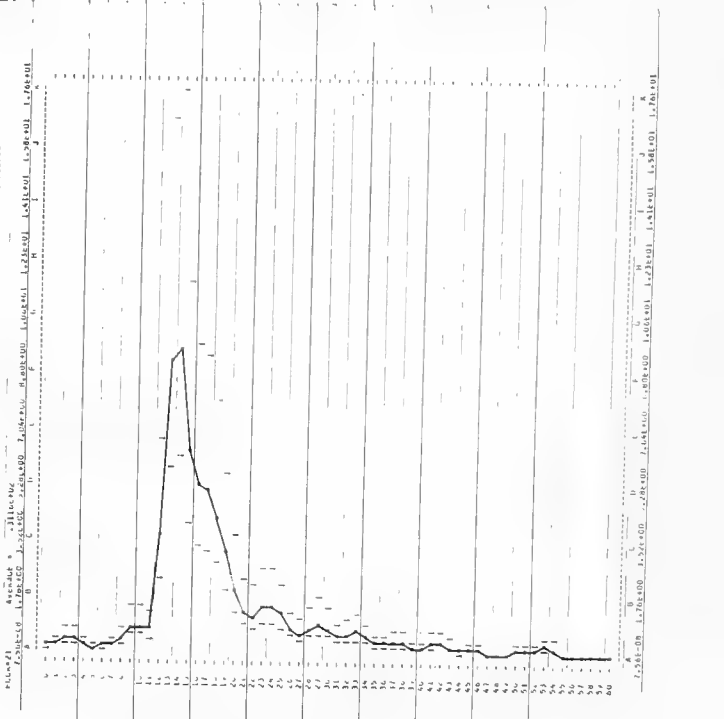
M	PROB	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2374	.2374	.1921	.1921	.3541	.1263
1	.006	.2989	.2538	.2136	.2136	.3675	.1615
2	.011	.2896	.2896	.2464	.2464	.4501	.1595
3	.017	.2087	.2087	.1615	.1615	.2976	.1028
4	.022	.2010	.2010	.1558	.1558	.2871	.0992
5	.028	.1821	.1821	.1389	.1389	.2523	.0872
6	.033	.1214	.1214	.0761	.1200	.2211	.0764
7	.039	.1537	.1537	.1084	.1434	.2653	.0917
8	.044	.1413	.1413	.0960	.1525	.2698	.0245
9	.050	.0679	.0679	.0227	.0688	.1.2329	.4254
10	.056	.0842	.0842	.0390	.0981	.1.0397	.0355
11	.061	1.3246	1.3246	1.2793	1.2793	2.4464	.0955
12	.067	1.8143	1.8143	1.7691	1.8145	3.3444	1.1554
13	.072	3.7461	3.7461	3.7009	3.6505	7.0970	2.4517
14	.078	7.0578	7.0578	7.0126	7.0781	14.5217	3.0167
15	.083	6.8671	6.8671	6.8218	6.4019	10.4914	5.7319
16	.089	5.3284	5.3284	5.2832	5.6186	10.3512	3.5760
17	.094	2.9315	2.9315	2.8862	3.1946	5.8648	1.0278
18	.100	3.2316	3.2316	3.1864	3.0276	6.4862	2.3098
19	.106	3.6935	3.6935	3.6483	4.3086	7.9381	2.7423
20	.111	2.9027	2.9027	2.8574	3.0177	5.8021	1.9215
21	.117	1.1154	1.1154	1.0701	1.3716	2.9281	.8734
22	.122	.5964	.5964	.5511	.6862	1.2647	.4369
23	.128	.4055	.4055	.3603	.5082	.9367	.3218
24	.133	.4326	.4326	.3867	.5751	1.0600	.3802
25	.139	.3546	.3546	.3094	.4886	.8970	.3049
26	.144	.4981	.4981	.4529	.4220	.7777	.2683
27	.150	.3734	.3734	.3281	.3920	1.0727	.3766
28	.156	.4168	.4168	.3735	.7066	1.3024	.4499
29	.161	.4751	.4751	.4298	.6845	1.6028	.5536
30	.167	.5269	.5269	.4816	1.0453	1.9267	.6656
31	.172	.3826	.3826	.3373	.7883	1.4500	.5009
32	.178	.2693	.2693	.1631	.4105	.7506	.2614
33	.183	.1727	.1727	.1274	.3484	.6383	.2206
34	.189	.2424	.2424	.1972	.3812	1.0713	.3701
35	.194	.2760	.2760	.2249	.7197	1.3266	.4581
36	.200	.1980	.1980	.1528	.5332	.9827	.3395
37	.206	.1483	.1483	.1033	.3933	.7252	.2505
38	.211	.1134	.1134	.0882	.2942	.5240	.1810
39	.217	.0800	.0800	.0208	.0952	.1755	.0606
40	.222	.0461	.0461	.0004	.0044	.0080	.0028
41	.228	.0849	.0849	.0393	.1837	.4031	.1393
42	.233	.1360	.1225	.0793	.4353	.8781	.3026
43	.239	.1323	.1286	.0827	.3642	1.0394	.3592
44	.244	.1104	.1048	.0633	.4863	.8853	.3058
45	.250	.0792	.0811	.0358	.2627	.5574	.1927
46	.256	.0468	.0534	.0102	.0762	.1774	.0613
47	.261	.0470	.0489	.0037	.0387	.0714	.0247
48	.267	.0551	.0548	.0096	.1131	.2085	.0720
49	.272	.0650	.0618	.0165	.2216	.4074	.1407
50	.278	.0638	.0620	.0168	.0531	.4665	.1612
51	.283	.0555	.0556	.0103	.1765	.3252	.1124
52	.289	.0462	.0478	.0023	.0424	.0930	.0264
53	.294	.0340	.0346	.0000	.0000	.0000	.0000
54	.300	.0348	.0372	.0000	.0000	.0000	.0000
55	.306	.0458	.0455	.0002	.0089	.0127	.0044
56	.311	.0578	.0596	.0104	.0405	.0275	.0168
57	.317	.0677	.0611	.0119	.2594	.1.1047	.3818
58	.322	.0517	.0513	.0001	.2631	.4849	.1675
59	.328	.0291	.0134	.0000	.0000	.0000	.0000
60	.333	.0229	.0200	.0000	.0000	.0000	.0000



SPECTRA MINIGASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 10/12/58 Av, T= 8.0 RECORD = JH 47
MEAN = 21 SIG.MGT. = 33.3
TOTAL CP =165 CHAR. VAR. = 84.2
NOISE LEVEL = .0870 WIND SPEED = 35

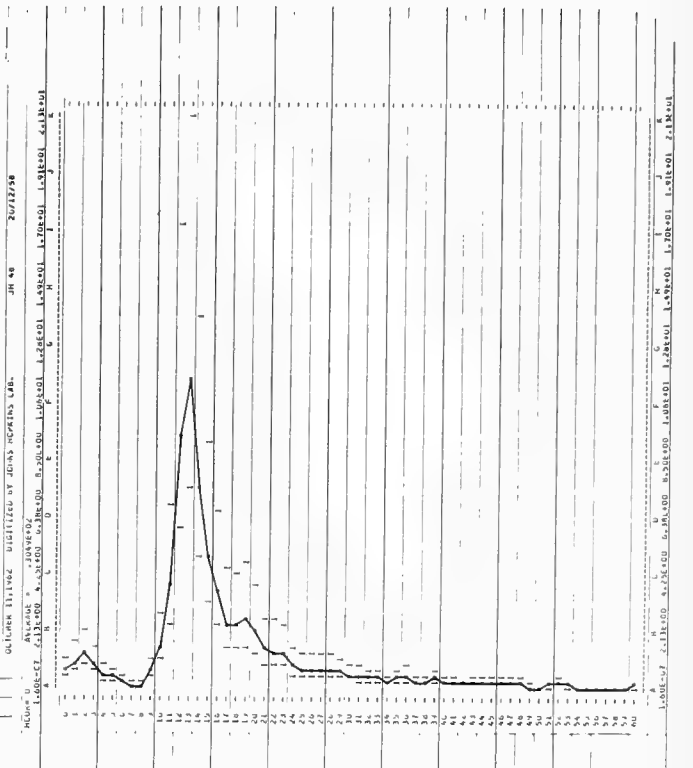
M	PROB	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1774	.1774	.1076	.1076	.1982	.0605
1	.006	.2456	.2456	.1758	.1758	.3240	.1119
2	.011	.1865	.1865	.1466	.1466	.2.6388	.2207
3	.017	.4759	.4759	.4668	.4668	.7483	.2585
4	.022	.2944	.2944	.2748	.4298	.4231	.1462
5	.028	.1818	.1818	.1715	.4.1715	.1345	.0458
6	.033	.1449	.1449	.1.0800	.1261	.2324	.0803
7	.039	.1845	.1845	.1146	.1522	.2805	.0969
8	.044	.1015	.1015	.0316	.3049	.7278	.2514
9	.050	.7265	.7265	.6907	.7222	1.3311	.4598
10	.056	.7568	.7568	.7208	.7237	1.3338	.4608
11	.061	.7220	.7220	.6527	.6722	1.2482	.4312
12	.067	3.6214	3.6214	3.5515	1.6428	6.7142	2.3195
13	.072	8.9353	8.9353	8.8654	9.4299	16.7651	5.7917
14	.078	14.2913	14.2913	14.2215	14.3942	17.5.214	6.0772
15	.083	8.6995	8.6995	8.6297	6.2356	11.6848	4.0367
16	.089	4.9999	4.9999	4.9300	5.4421	9.6826	3.3379
17	.094	4.8516	4.8516	4.7817	5.4555	9.3180	3.2190
18	.100	3.8468	3.8468	3.7769	4.2990	7.9249	2.7377
19	.106	2.8803	2.8803	2.8105	3.0817	5.8300	1.9822
20	.111	1.8882	1.8882	1.8183	1.9803	3.6131	1.2462
21	.117	1.0451	1.0451	1.0352	1.2499	2.3038	.7954
22	.122	.8960	.8960	.8261	1.1690	2.0446	.7061
23	.128	1.0835	1.0835	1.0137	1.4253	2.6353	.9104
24	.133	1.0346	1.0346	.9647	1.4347	2.6443	.9135
25	.139	.8605	.8605	.7906	1.1491	2.1184	.7318
26	.144	.6984	.6984	.6285	.9135	1.6778	.6513
27	.150	.3846	.3846	.3148	.5583	1.0289	.3555
28	.156	.4848	.4848	.4149	.7850	1.4468	.4998
29	.161	.5226	.5226	.4528	.7135	1.6774	.5849
30	.167	.4160	.4160	.3421	.7925	1.3685	.4728
31	.172	.2849	.2849	.2151	.5016	.9246	.3194
32	.178	.2792	.2792	.2094	.5269	.9712	.3355
33	.183	.3109	.3109	.2410	.4552	1.2076	.4172
34	.189	.2473	.2473	.1774	.5231	.9641	.3331
35	.194	.1739	.1739	.1040	.3331	.6140	.2121
36	.200	.1599	.1599	.0901	.3144	.5795	.2002
37	.206	.1634	.1634	.0935	.3563	.6566	.2268
38	.211	.1360	.1360	.0662	.2594	.4827	.2049
39	.217	.1153	.1153	.0455	.2083	.3840	.1327
40	.222	.0988	.0988	.0289	.1459	.2689	.0929
41	.228	.1488	.1340	.0841	.3586	.6573	.2271
42	.233	.1395	.1395	.0497	.4207	.7702	.2730
43	.239	.0932	.1051	.0352	.1403	.4428	.1530
44	.244	.0714	.0818	.0120	.0907	.1672	.0578
45	.250	.1063	.0813	.0715	.3144	.1157
46	.256	.1017	.0934	.0236	.2227	.4105	.1418
47	.261	.0599	.0702	.0.020	.0228	.0038	.0013
48	.267	.0532	.0596	.0000	.0000	.0000	.0000
49	.272	.0767	.0723	.0025	.0330	.0607	.0210
50	.278	.0853	.0823	.0125	.1878	.3462	.1196
51	.283	.0863	.0818	.0120	.0446	.1771	.1303
52	.289	.0868	.0816	.0117	.4274	.4191	.1448
53	.294	.0884	.0844	.0146	.3212	.5920	.2045
54	.300	.0831	.0801	.0103	.2577	.4753	.1642
55	.306	.0624	.0659	.0000	.0000	.0000	.0000
56	.311	.0510	.0559	.0000	.0000	.0000	.0000
57	.317	.0662	.0592	.0000	.0000	.0000	.0000
58	.322	.0608	.0654	.0000	.0000	.0000	.0000
59	.328	.0632	.0839	.0000	.0000	.0000	.0000
60	.333	.0572	.0802	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T= 4.5 RECORD = JH 48
MCUR = 0 SIG.HGT. = 32.7
TOTAL OF =138 CURR. VAR. = 71.2
NOISE LEVEL = .0468 WIND SPEED = 40

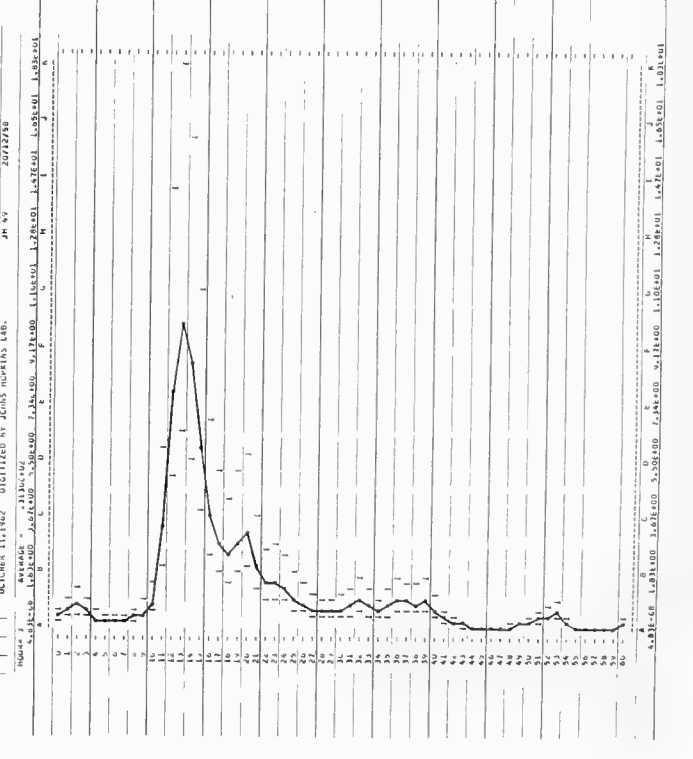
M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.8862	.8862	.8194	.8194	1.1417	.3944
1	.009	.9292	.9292	.8824	.8824	1.6205	.5619
2	.011	1.2378	1.2378	1.1910	1.1910	2.1953	.7586
3	.017	.9031	.8584	.8584	.8584	1.5784	.5453
4	.022	.4862	.4862	.4394	.4394	.8089	.2798
5	.028	.3933	.3933	.3465	.3465	.6386	.2206
6	.033	.1974	.1974	.1507	.2374	.4379	.1512
7	.039	.1089	.1089	.0621	.0823	.1520	.0525
8	.044	.1005	.1005	.0537	.0640	.1180	.0407
9	.050	.5496	.5496	.5028	.5581	1.0286	.3554
10	.056	1.4836	1.4836	1.4369	1.5061	2.7760	.9590
11	.061	3.6344	3.6344	3.5878	3.7222	6.8605	2.3700
12	.067	9.1350	9.1350	9.0883	9.3219	17.1816	5.9356
13	.072	11.2840	11.2840	11.2372	11.2294	21.2504	7.3412
14	.078	7.3101	7.3101	7.2693	7.5237	13.8674	4.7907
15	.083	4.7115	4.7115	4.6648	4.9045	9.0398	3.1229
16	.089	3.4546	3.4546	3.4078	3.5435	6.4787	2.3072
17	.094	2.2220	2.2220	2.1752	2.4002	4.4238	1.5283
18	.100	2.1111	2.1111	2.0643	2.3500	4.3314	1.4966
19	.106	2.1055	2.1055	2.1188	2.5032	4.6101	1.5926
20	.111	1.7444	1.7444	1.6976	2.0847	3.8424	1.3274
21	.117	1.1529	1.1529	1.1061	1.4177	2.6131	.9027
22	.122	1.0845	1.0845	1.0378	1.3603	2.5182	.8700
23	.128	.9831	.9831	.9363	1.3207	2.4342	.8409
24	.133	.5976	.5976	.5508	.8141	1.5098	.5216
25	.139	.4727	.4727	.4259	.6760	1.2350	.4268
26	.144	.4684	.4684	.4197	.7002	1.2906	.4458
27	.150	.4165	.4165	.3697	.6558	1.2067	.4178
28	.156	.4158	.4158	.3690	.6482	1.2068	.4445
29	.161	.3491	.3491	.3023	.6115	1.1271	.3894
30	.167	.2850	.2850	.2383	.5171	.9531	.3293
31	.172	.2331	.2331	.1863	.4346	.8010	.2767
32	.178	.1875	.1875	.1408	.3543	.6531	.2256
33	.183	.1692	.1692	.1225	.3329	.6136	.2120
34	.189	.1404	.1404	.0936	.2761	.5088	.1758
35	.194	.1060	.1192	.1192	.3818	.7036	.2431
36	.200	.1900	.1900	.1432	.4994	.9214	.3183
37	.206	.1182	.1182	.0714	.2721	.5015	.1732
38	.211	.1091	.1091	.0624	.2601	.4795	.1656
39	.217	.1344	.1344	.0877	.4018	.7406	.2558
40	.222	.0956	.0956	.0488	.2462	.4537	.1568
41	.228	.0867	.0867	.0399	.1887	.3478	.1201
42	.233	.0741	.0746	.0277	.1713	.3158	.1091
43	.239	.0741	.0740	.0272	.1857	.3424	.1183
44	.244	.0765	.0737	.0269	.2040	.3760	.1299
45	.250	.0636	.0676	.0208	.1758	.3240	.1119
46	.256	.0674	.0666	.0198	.1874	.3454	.1193
47	.261	.0715	.0680	.0212	.2248	.4142	.1431
48	.267	.0613	.0616	.0148	.1761	.3246	.1121
49	.272	.0561	.0562	.0095	.1730	.1345	.0465
50	.278	.0424	.0475	.0007	.0105	.0194	.0067
51	.283	.0570	.0541	.0073	.1256	.2304	.0796
52	.289	.0647	.0596	.0128	.2480	.4571	.1579
53	.294	.0503	.0519	.0052	.1143	.2106	.0727
54	.300	.0381	.0424	.0000	.0000	.0000	.0000
55	.306	.0441	.0432	.0000	.0000	.0000	.0000
56	.311	.0512	.0465	.0000	.0000	.0000	.0000
57	.317	.0395	.0395	.0000	.0000	.0000	.0000
58	.322	.0340	.0369	.0000	.0000	.0000	.0000
59	.328	.0482	.0448	.0000	.0000	.0000	.0000
60	.333	.0492	.0447	.0019	.1121	.2067	.0714



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T= 4.5 RECORD = JH 49
MCUR = 3 SIG.HGT. = 34.7
TOTAL OF =163 CURR. VAR. = 75.4
NOISE LEVEL = .0756 WIND SPEED = 50

M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.060	.3919	.3919	.3184	.3184	.5831	.2014
1	.066	.5447	.5447	.4692	.4892	.8647	.2987
2	.011	.7369	.6614	.5884	1.2190	1.9211	.6211
3	.017	.6034	.5278	.4548	.9278	.9728	.3361
4	.022	.3478	.3478	.2722	.4722	.5017	.1733
5	.028	.2509	.2509	.1753	.3253	.3232	.1116
6	.033	.2225	.2225	.1484	.6315	.4266	.1474
7	.039	.2803	.2803	.1947	.6453	.6520	.1582
8	.044	.3497	.3497	.2741	.3284	.6016	.2078
9	.050	.4852	.4852	.4096	.4546	.8380	.2845
10	.056	.8334	.8334	.7578	.8055	1.4847	.5129
11	.061	3.1740	3.1740	3.0984	3.2146	5.9250	2.0869
12	.067	7.6321	7.6321	7.5565	7.7567	14.2856	4.9332
13	.072	9.7766	9.7766	9.7010	9.9523	18.3453	6.3376
14	.078	8.4131	8.4131	8.3375	8.6293	15.9051	5.4946
15	.083	5.7323	5.7323	5.6567	5.9475	10.9621	3.7870
16	.089	3.5829	3.5829	3.5073	3.7293	6.8737	2.3746
17	.094	2.6378	2.6378	2.5620	2.8270	5.2105	1.8000
18	.100	2.4931	2.4931	2.4175	2.7067	4.2332	1.4624
19	.106	2.4569	2.4569	2.3813	2.8112	5.1814	1.7900
20	.111	2.6280	2.6280	2.5524	3.1343	5.7770	1.9958
21	.117	1.6500	1.6500	1.5746	2.0139	3.7143	1.2849
22	.122	1.1271	1.1271	1.0515	1.4115	2.6016	.8988
23	.128	1.1492	1.1492	1.0736	1.5144	2.7912	.9643
24	.133	.9684	.9684	.8928	1.3277	2.4472	.8454
25	.139	.8515	.8515	.7759	1.4685	1.7859	.6170
26	.144	.5246	.5246	.4490	.7491	1.3808	.4770
27	.150	.4372	.4372	.3617	.6414	1.1823	.4084
28	.156	.3347	.3347	.2592	.4903	.9037	.3122
29	.161	.3368	.3368	.2612	.5285	.9740	.3365
30	.167	.3827	.3827	.2071	.6232	1.1486	.3968
31	.172	.3798	.3798	.3042	.7094	1.3076	.4517
32	.178	.4266	.4266	.3510	.8834	1.6282	.5625
33	.183	.3231	.3231	.2475	.8729	1.2402	.4284
34	.189	.2350	.2350	.1594	.4658	.8860	.2942
35	.194	.2946	.2946	.2190	.7014	1.2927	.4466
36	.200	.3422	.3422	.2667	.9107	1.7153	.5926
37	.206	.2971	.2971	.2215	.8436	1.5549	.5372
38	.211	.2596	.2596	.1840	.7676	1.4148	.4888
39	.217	.2624	.2624	.1868	.8561	1.5779	.5451
40	.222	.1981	.1981	.1225	.6174	1.1379	.3931
41	.228	.1225	.1372	.0616	.3426	.6314	.2181
42	.233	.1036	.1057	.0301	.1852	.3414	.1179
43	.239	.0998	.0930	.0175	.1191	.2195	.0758
44	.244	.0647	.0890	.0000	.0000	.0000	.0000
45	.250	.0340	.0866	.0000	.0000	.0000	.0000
46	.256	.0539	.0535	.0000	.0000	.0000	.0000
47	.261	.0761	.0720	.0000	.0000	.0000	.0000
48	.267	.0830	.0822	.0066	.0782	.1441	.0498
49	.272	.0875	.0866	.0111	.1680	.2727	.0942
50	.278	.0877	.0867	.0131	.1980	.3649	.1260
51	.283	.0906	.0914	.0163	.2779	.5122	.1770
52	.289	.1028	.0985	.0224	.4433	.8170	.2822
53	.294	.1015	.0977	.0221	.4860	.8958	.3095
54	.300	.0846	.0848	.0092	.2304	.4247	.1467
55	.306	.0677	.0683	.0000	.0000	.0000	.0000
56	.311	.0479	.0531	.0000	.0000	.0000	.0000
57	.317	.0439	.0490	.0000	.0000	.0000	.0000
58	.322	.0617	.0602	.0000	.0000	.0000	.0000
59	.328	.0771	.0737	.0000	.0000	.0000	.0000
60	.333	.0805	.0788	.0032	.1871	.3449	.1191



SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

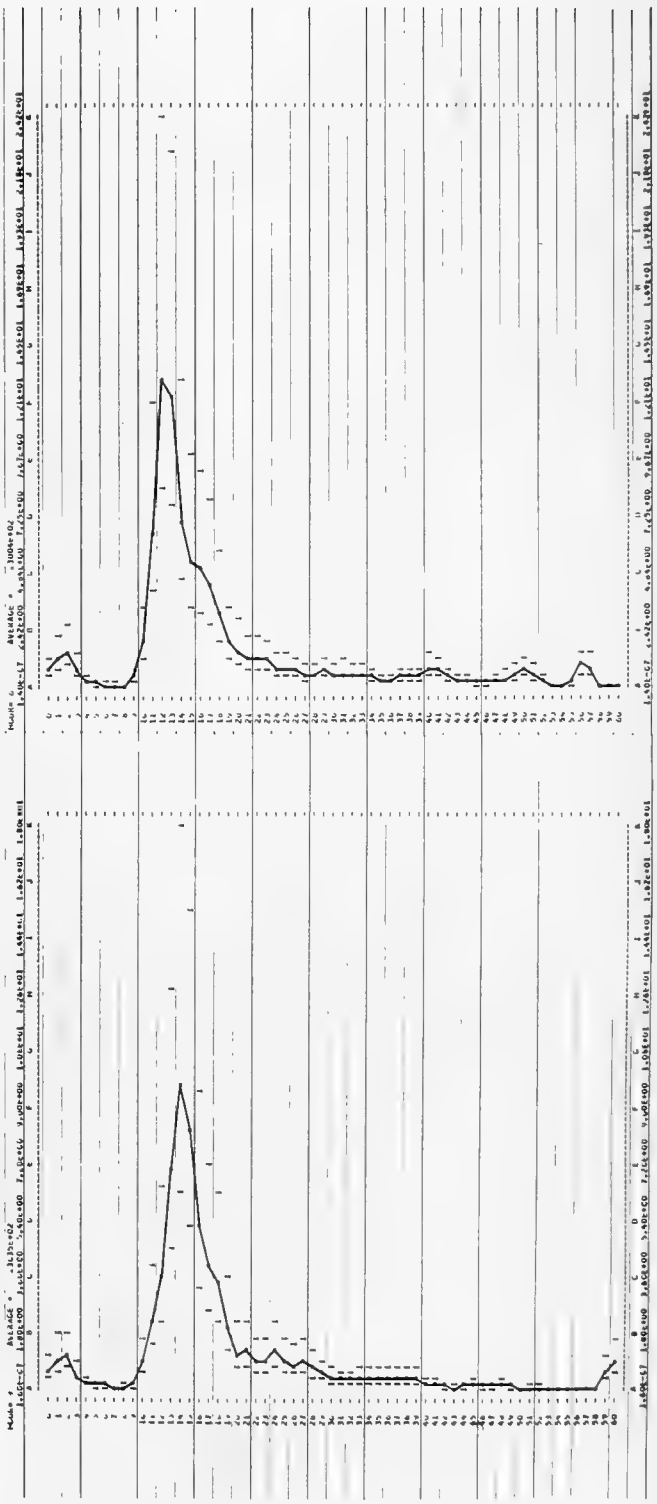
DATE = 20/12/58 AV. T= 8.5 RECORD = JM 50
HOUR = 0 SIG.MGT. = 37.2
TOTAL OF =161 CORR. VAR. = 86.2
NOISE LEVEL = .0756 WIND SPEED = 50

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.7442	.7442	.6686	.6686	1.2323	.4257
1	.006	1.2394	1.2392	1.1636	1.1636	2.1447	.7969
2	.011	1.5378	1.5378	1.4622	1.4622	2.6950	.9310
3	.017	.8940	.8940	.8184	.8184	1.5085	.3211
4	.022	.3565	.3565	.2789	.2789	.9161	.1776
5	.028	.2306	.2306	.1550	.1550	.6856	.0987
6	.033	.1478	.1478	.0722	.0722	.5048	.0725
7	.039	.1333	.1333	.0577	.0744	.4113	.0488
8	.044	.1068	.1068	.0331	.0394	.1729	.0251
9	.050	.4593	.4593	.3837	.0255	.7849	.0712
10	.056	1.7925	1.7925	1.7169	1.0250	3.3038	1.1841
11	.061	6.4349	6.4349	6.3593	6.3978	12.1607	4.2011
12	.067	12.8838	12.8838	12.7980	13.1187	24.1788	8.3533
13	.072	12.0870	12.0870	12.0114	12.3237	22.7146	7.8470
14	.078	6.9201	6.9201	6.8445	7.0841	13.0570	4.5107
15	.083	5.4254	5.4254	5.3498	5.4358	10.0183	3.4610
16	.089	4.7423	4.7423	4.6667	4.7821	8.1460	3.1598
17	.094	3.9867	3.9867	3.9111	4.0155	7.4541	2.6778
18	.100	2.7978	2.7978	2.7222	2.8049	5.1717	1.9732
19	.106	1.8804	1.8804	1.8048	1.8547	3.4922	1.2466
20	.111	1.3505	1.3505	1.2749	1.3656	2.8856	.9948
21	.117	1.0480	1.0480	.9724	1.0438	2.2923	.7940
22	.122	.9470	.9470	.8714	1.1698	2.1361	.7469
23	.128	.8552	.8552	.7796	1.0996	2.0267	.7002
24	.133	.8192	.8192	.7436	.8284	1.4901	.5168
25	.139	.5520	.5520	.4764	.7494	1.3813	.4772
26	.144	.4760	.4760	.4004	.6681	1.2313	.4254
27	.150	.3585	.3585	.2829	.5018	.9259	.3199
28	.156	.3859	.3859	.3103	.5870	1.0870	.3738
29	.161	.3896	.3896	.3140	.6351	1.1706	.4044
30	.167	.3407	.3407	.2651	.5755	1.0607	.3664
31	.172	.3367	.3307	.2551	.5450	1.0047	.3789
32	.178	.3080	.3080	.2304	.5749	1.0688	.3692
33	.183	.2868	.2868	.2112	.5761	1.0982	.2854
34	.189	.2176	.2176	.1420	.4187	.7717	.2666
35	.194	.1439	.1439	.0683	.2188	.4032	.1393
36	.200	.1408	.1408	.0652	.2074	.3481	.1893
37	.206	.1840	.1840	.1084	.4131	.7613	.2630
38	.211	.1716	.1716	.0960	.4005	.7382	.2550
39	.217	.1746	.1746	.0990	.4539	.8366	.2890
40	.222	.2333	.2333	.1579	.7958	1.4867	.5067
41	.228	.2313	.1992	.1238	.6876	1.2670	.4377
42	.233	.1205	.1407	.0651	.4006	.7384	.2551
43	.239	.1071	.1106	.0350	.2350	.4405	.1542
44	.244	.1135	.1078	.0322	.2442	.4502	.1555
45	.250	.0910	.0971	.0215	.1818	.3351	.1158
46	.256	.0908	.0929	.0173	.1637	.3017	.1042
47	.261	.1008	.0995	.0239	.2531	.4666	.1612
48	.267	.1050	.1050	.0304	.3813	.6460	.2301
49	.272	.1161	.1133	.0377	.5042	.9294	.3211
50	.278	.1214	.1140	.0404	.6150	1.1244	.3846
51	.283	.1066	.1052	.0296	.5042	.9293	.3210
52	.289	.0817	.0859	.0103	.1985	.3684	.1267
53	.294	.0711	.0734	.0000	.0000	.0000	.0000
54	.300	.0833	.0697	.0000	.0000	.0000	.0000
55	.306	.0795	.0809	.0053	.1332	.2723	.0975
56	.311	.1157	.1015	.0259	.4507	1.0679	.3417
57	.317	.1004	.0991	.0195	.3353	1.3554	.4882
58	.322	.0963	.0839	.0000	.0000	.0000	.0000
59	.328	.0764	.0427	.0000	.0000	.0000	.0000
60	.333	.0370	.0377	.0000	.0000	.0000	.0000

SPECTRA MINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T= 6.7 RECORD = JM 51
HOUR = 0 SIG.MGT. = 32.3
TOTAL OF =161 CORR. VAR. = 82.2
NOISE LEVEL = .0520 WIND SPEED = 50

N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6700	.6700	.6179	.6179	1.1340	.3935
1	.006	1.0180	1.0180	.9660	.9660	1.7809	.6151
2	.011	1.0495	1.0495	.9975	.9975	1.8305	.6351
3	.017	.6936	.6936	.6416	.6416	1.1776	.4029
4	.022	.2418	.2418	.1898	.1898	.3498	.1208
5	.028	.1742	.1742	.1272	.1272	.4344	.0810
6	.033	.1210	.1210	.0689	.1086	.4002	.0691
7	.039	.0776	.0776	.0256	.0339	.0629	.0216
8	.044	.1128	.1128	.0608	.0724	.1334	.0461
9	.050	.1630	.1630	.1110	.1232	.2270	.0784
10	.056	.8559	.8559	.8038	.8538	1.5749	.5461
11	.061	2.1045	2.1045	2.0524	2.1296	3.9267	1.3559
12	.067	3.4808	3.4808	3.4287	3.5187	6.4877	2.2393
13	.072	6.8611	6.8611	6.8090	6.9655	12.8383	4.4352
14	.078	9.4922	9.4922	9.4401	9.7305	18.0086	6.2213
15	.083	7.9190	7.9190	7.8669	8.4713	15.2492	5.2668
16	.089	6.9682	6.9682	6.9160	7.2081	13.2456	4.5745
17	.094	5.5645	5.5645	5.5124	5.8758	10.8433	3.7677
18	.100	3.0146	3.0146	2.9625	3.3725	6.2161	2.1076
19	.106	1.7227	1.7227	1.6706	1.9722	3.6390	1.2558
20	.111	.9748	.9748	.9227	1.1331	2.0885	.7219
21	.117	.9067	.9067	.8547	1.1723	2.1607	.7465
22	.122	.8776	.8776	.8255	.8348	1.5478	.5345
23	.128	.7064	.7064	.6544	.9235	1.7012	.5877
24	.133	.8578	.8578	.8057	1.1982	2.2085	.7630
25	.139	.6008	.6008	.5487	.8838	1.5910	.5498
26	.144	.5052	.5052	.4532	.7581	1.3936	.4816
27	.150	.5728	.5728	.5208	.9237	1.7025	.5881
28	.156	.4161	.4161	.3641	.8870	1.6349	.5648
29	.161	.2806	.2806	.2285	.4823	.8521	.2944
30	.167	.2163	.2163	.1643	.3566	.6472	.2271
31	.172	.1893	.1893	.1373	.2739	.5042	.1742
32	.178	.1800	.1800	.1280	.2221	.4037	.0051
33	.183	.1834	.1834	.1313	.2570	.4580	.2273
34	.189	.1759	.1759	.1239	.2691	.0730	.0345
35	.194	.1739	.1739	.1219	.3902	.7191	.2484
36	.200	.1685	.1685	.1165	.4086	.7493	.2589
37	.206	.1931	.1931	.1411	.3850	.7094	.2451
38	.211	.1383	.1383	.0862	.3596	.6628	.2290
39	.217	.1317	.1317	.0797	.4051	.6730	.2345
40	.222	.1201	.1201	.0680	.4426	.8461	.1961
41	.228	.0742	.0621	.0100	.1870	.3078	.1066
42	.233	.0607	.0606	.0178	.1093	.2014	.0696
43	.239	.0614	.0607	.0086	.1587	.1081	.0376
44	.244	.0742	.0691	.0171	.1293	.2384	.0823
45	.250	.0821	.0761	.0240	.1020	.3762	.1293
46	.256	.0659	.0659	.0138	.1365	.2405	.0831
47	.261	.0611	.0620	.0100	.1854	.1742	.0671
48	.267	.0716	.0662	.0141	.1676	.3089	.1067
49	.272	.0603	.0603	.0082	.1102	.2030	.0701
50	.278	.0477	.0526	.0005	.0078	.0148	.0050
51	.283	.0405	.0543	.0043	.0731	.1347	.0465
52	.289	.0546	.0546	.0026	.0888	.1685	.0581
53	.294	.0513	.0524	.0004	.0081	.0154	.0031
54	.300	.0529	.0503	.0000	.0000	.0000	.0000
55	.306	.0497	.0482	.0000	.0000	.0000	.0000
56	.311	.0349	.0383	.0000	.0000	.0000	.0000
57	.317	.0378	.0405	.0000	.0000	.0000	.0000
58	.322	.0330	.0317	.0000	.0000	.0000	.0000
59	.328	.0441	.0421	.0110	.2308	1.0134	.2547
60	.333	.0681	.0671	.0151	.0716	1.8070	.5952



SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

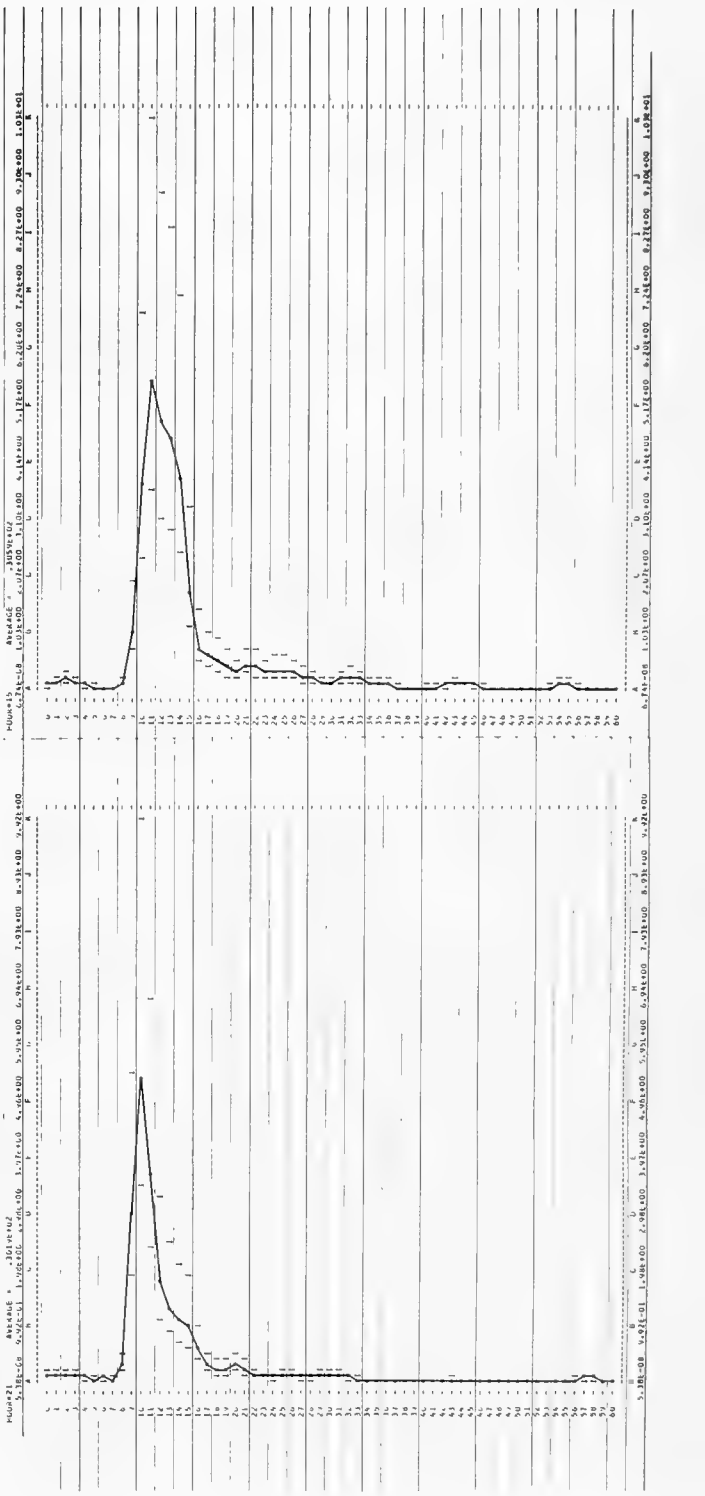
DATE = 20/12/58 AV. T= 10.9 RECORD = JH 52
HOUR = 15 SIG.HGT. = 23.0
TOTAL DF = 98 CORR. VAR. = 33.0
NOISE LEVEL = .0170 WIND SPEED = 45

M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0877	.0877	.0707	.0707	.1303	.0450
1	.006	.1370	.1370	.1200	.1200	.2213	.0744
2	.011	.1861	.1861	.1691	.1691	.3117	.1077
3	.017	.1953	.1953	.1783	.1783	.3365	.0817
4	.022	.0851	.0851	.0681	.0681	.1255	.0433
5	.028	.0492	.0492	.0322	.0322	.0593	.0205
6	.033	.0315	.0315	.0145	.0229	.0422	.0146
7	.039	.0209	.0209	.0039	.0052	.0096	.0033
8	.044	.1336	.1336	.1166	.1389	.2560	.0884
9	.050	.2774	.2774	.2604	1.0659	1.9664	.6787
10	.056	3.5251	3.5251	3.5081	3.4291	6.8733	2.3745
11	.061	3.4231	3.4231	3.4061	3.6088	10.3379	3.5714
12	.067	4.7656	4.7656	4.7486	4.6706	8.6773	3.1913
13	.072	4.4344	4.4344	4.4174	4.3323	8.3537	2.8859
14	.078	3.7325	3.7325	3.7155	3.8456	7.0880	2.4466
15	.083	1.7218	1.7218	1.7048	1.7924	3.3037	1.1913
16	.089	.7403	.7403	.7233	.7691	1.4175	.4897
17	.094	.5458	.5458	.5288	.5834	1.0753	.3715
18	.100	.4363	.4363	.4193	.4776	.8794	.3040
19	.106	.3419	.3419	.3249	.3835	.7069	.2442
20	.111	.2842	.2842	.2672	.3035	.5594	.1933
21	.117	.3367	.3367	.3197	.4098	.7553	.2809
22	.122	.2979	.2979	.2809	.3771	.6951	.2401
23	.128	.2170	.2170	.2000	.2821	.5200	.1796
24	.133	.2481	.2481	.2311	.3436	.6334	.2188
25	.139	.2358	.2358	.2188	.3443	.6345	.2192
26	.144	.1772	.1772	.1602	.2672	.4926	.1702
27	.150	.1513	.1513	.1343	.2383	.4392	.1517
28	.156	.1159	.1159	.0989	.1871	.3448	.1191
29	.161	.0743	.0743	.0573	.1160	.2137	.0738
30	.167	.0643	.0643	.0473	.1026	.1891	.0653
31	.172	.0871	.0701	.0531	.1634	.3011	.1040
32	.178	.0951	.0451	.0781	.1968	.3624	.1252
33	.183	.0748	.0748	.0578	.1570	.2894	.1000
34	.189	.0500	.0500	.0330	.0972	.1791	.0619
35	.194	.0440	.0440	.0270	.0865	.1594	.0551
36	.200	.0464	.0464	.0294	.1027	.1892	.0654
37	.206	.0298	.0298	.0128	.0487	.0898	.0310
38	.211	.0191	.0191	.0021	.0084	.0154	.0057
39	.217	.0222	.0222	.0052	.0239	.0440	.0152
40	.222	.0227	.0227	.0057	.0289	.0533	.0184
41	.228	.0259	.0262	.0092	.0510	.0940	.0325
42	.233	.0322	.0302	.0132	.0812	.1496	.0517
43	.239	.0310	.0305	.0135	.0923	.1702	.0588
44	.244	.0277	.0280	.0110	.0832	.1533	.0530
45	.250	.0265	.0256	.0086	.0723	.1332	.0460
46	.256	.0218	.0243	.0043	.0426	.0785	.0271
47	.261	.0146	.0159	.0000	.0000	.0000	.0000
48	.267	.0112	.0125	.0000	.0000	.0000	.0000
49	.272	.0130	.0129	.0000	.0000	.0000	.0000
50	.278	.0142	.0146	.0000	.0000	.0000	.0000
51	.283	.0175	.0169	.0000	.0000	.0000	.0000
52	.289	.0188	.0184	.0014	.0260	.0516	.0178
53	.294	.0174	.0186	.0016	.0358	.0659	.0228
54	.300	.0222	.0208	.0038	.0963	.1774	.0613
55	.306	.0231	.0216	.0046	.1317	.2428	.0839
56	.311	.0172	.0180	.0010	.0343	.0632	.0218
57	.317	.0140	.0147	.0000	.0000	.0000	.0000
58	.322	.0133	.0130	.0000	.0000	.0000	.0000
59	.328	.0135	.0135	.0000	.0000	.0000	.0000
60	.333	.0140	.0138	.0000	.0000	.0000	.0000

SPECTRA HINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 20/12/58 AV. T= 12.4 RECORD = JH 53
HOUR = 21 SIG.HGT. = 18.3
TOTAL DF = 76 CORR. VAR. = 21.3
NOISE LEVEL = .0088 WIND SPEED = 45

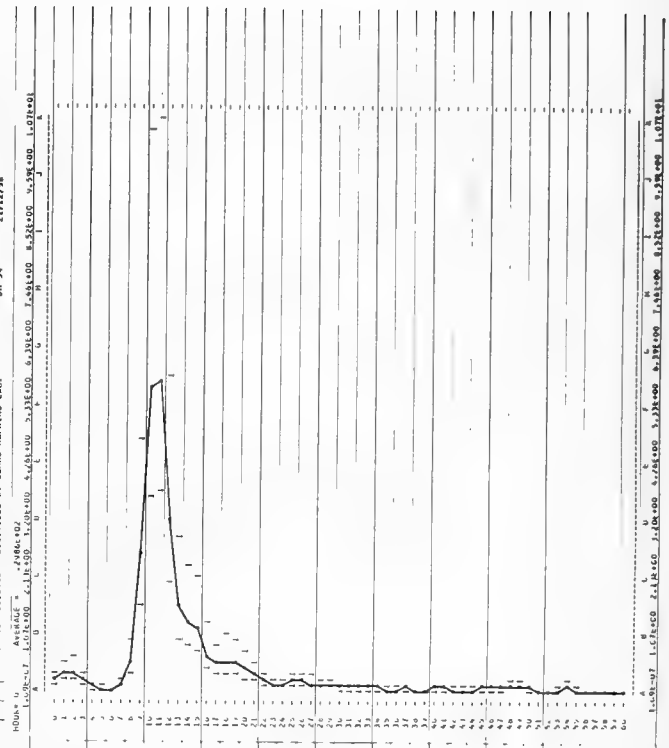
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1065	.1065	.1018	.1018	.1876	.0648
1	.006	.1130	.1130	.1062	.1062	.1958	.0676
2	.011	.1184	.1184	.1117	.1117	.2058	.0711
3	.017	.1152	.1152	.1084	.1084	.1998	.0690
4	.022	.0845	.0845	.0777	.0777	.1432	.0495
5	.028	.0461	.0461	.0334	.0334	.0615	.0212
6	.033	.0420	.0420	.0353	.0556	.1024	.0354
7	.039	.0365	.0365	.0298	.0355	.0727	.0252
8	.044	.2157	.2157	.2090	.2488	.4586	.1584
9	.050	2.6787	2.6787	2.6719	2.4655	5.4639	1.8883
10	.056	5.6641	5.6641	5.6573	5.3812	9.9184	3.4264
11	.061	3.5575	3.5575	3.5507	3.6838	6.7899	2.3496
12	.067	1.7436	1.7436	1.7369	1.7915	3.2836	1.1343
13	.072	1.2793	1.2793	1.2725	1.3261	2.4453	.8444
14	.078	1.0991	1.0991	1.0923	1.1306	2.0838	.7199
15	.083	.9677	.9677	.9609	1.0163	1.8671	.6493
16	.089	.9255	.9255	.9187	.9516	1.7506	.3512
17	.094	.2543	.2543	.2475	.2731	.5034	.1739
18	.100	.1867	.1867	.1799	.1974	.3648	.1260
19	.106	.1868	.1868	.1800	.2125	.3917	.1353
20	.111	.2433	.2433	.2365	.2905	.5354	.1850
21	.117	.1853	.1853	.1786	.2289	.4218	.1457
22	.122	.1586	.1586	.1518	.1913	.3526	.1218
23	.128	.0633	.0633	.0566	.0758	.1470	.0506
24	.133	.0540	.0540	.0452	.0673	.1240	.0428
25	.139	.0628	.0628	.0561	.0882	.1625	.0562
26	.144	.0576	.0576	.0509	.0849	.1564	.0540
27	.150	.0417	.0417	.0349	.0620	.1142	.0394
28	.156	.0420	.0420	.0352	.0687	.1224	.0425
29	.161	.0514	.0514	.0446	.0903	.1663	.0575
30	.167	.0551	.0551	.0483	.1048	.1931	.0667
31	.172	.0440	.0422	.0465	.0985	.1815	.0627
32	.178	.0333	.0333	.0265	.0667	.1230	.0425
33	.183	.0198	.0198	.0130	.0355	.0654	.0226
34	.189	.0156	.0156	.0088	.0260	.0479	.0165
35	.194	.0123	.0123	.0055	.0178	.0324	.0112
36	.200	.0111	.0111	.0044	.0153	.0281	.0097
37	.206	.0106	.0106	.0039	.0147	.0271	.0094
38	.211	.0086	.0080	.0013	.0052	.0097	.0033
39	.217	.0091	.0091	.0024	.0109	.0201	.0069
40	.222	.0095	.0088	.0028	.0139	.0257	.0089
41	.228	.0084	.0082	.0025	.0138	.0254	.0088
42	.233	.0114	.0106	.0036	.0235	.0434	.0150
43	.239	.0111	.0111	.0044	.0297	.0547	.0189
44	.244	.0083	.0087	.0019	.0146	.0269	.0093
45	.250	.0057	.0061	.0000	.0000	.0000	.0000
46	.256	.0044	.0044	.0000	.0000	.0000	.0000
47	.261	.0037	.0040	.0000	.0000	.0000	.0000
48	.267	.0035	.0041	.0000	.0000	.0000	.0000
49	.272	.0058	.0058	.0000	.0000	.0000	.0000
50	.278	.0071	.0078	.0010	.0153	.0282	.0097
51	.283	.0067	.0069	.0001	.0024	.0043	.0015
52	.289	.0046	.0056	.0000	.0000	.0000	.0000
53	.294	.0053	.0053	.0000	.0000	.0000	.0000
54	.300	.0067	.0065	.0000	.0000	.0000	.0000
55	.306	.0073	.0074	.0006	.0168	.0309	.0107
56	.311	.0072	.0081	.0013	.0439	.0804	.0279
57	.317	.0063	.0087	.0020	.0744	.1372	.0474
58	.322	.0056	.0082	.0015	.0631	.1163	.0402
59	.328	.0059	.0064	.0000	.0000	.0000	.0000
60	.333	.0044	.0052	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 11,1962 DIGITIZED BY JOHNS HOPKINS LAB.

DATE = 21/12/58 AV. T= 11.3 RECORD = JM 54
HOUR = 0 SIG.MGT. = 21.3
TOTAL DF = 69 CORR. VAR. = 20.4
NOISE LEVEL = .0121 WIND SPEED = 40

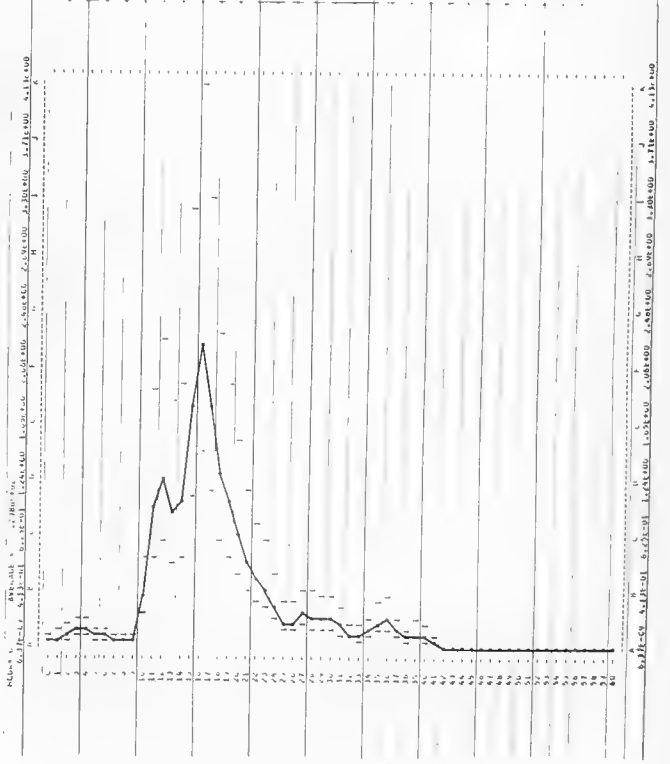
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1792	.1792	.1671	.1671	.3080	.1064
1	.006	.2913	.2913	.2792	.2792	.5147	.1778
2	.011	.3321	.3321	.3201	.3201	.5899	.2038
3	.017	.1884	.1884	.1763	.1763	.3249	.1122
4	.022	.0920	.0920	.0800	.0800	.1474	.0509
5	.028	.0509	.0509	.0389	.0388	.0716	.0247
6	.033	.0167	.0167	.0046	.0073	.0134	.0046
7	.039	.1095	.1095	.0974	.1293	.2383	.0823
8	.044	.4484	.4484	.4363	.5196	.9577	.3308
9	.050	2.3060	2.3060	2.2939	2.5461	4.6928	1.6212
10	.056	5.3655	5.3655	5.3534	5.6907	10.4888	3.6233
11	.061	5.5841	5.5841	5.5720	5.7810	10.6552	3.6810
12	.067	3.1280	3.1280	3.1160	3.1940	5.8870	2.0337
13	.072	1.5467	1.5467	1.5346	1.5745	2.9021	1.0026
14	.078	1.2402	1.2402	1.2281	1.2794	2.3581	.8146
15	.083	1.0912	1.0912	1.0791	1.1346	2.0912	.7226
16	.089	.8543	.8543	.8423	.8829	1.2587	.4348
17	.094	.4550	.4550	.4430	.4888	.9009	.3112
18	.100	.4970	.4970	.4849	.5520	1.0175	.3515
19	.106	.4525	.4525	.4404	.5199	.9583	.3311
20	.111	.3422	.3422	.3301	.4054	.7472	.2581
21	.117	.2249	.2249	.2128	.2728	.5027	.1737
22	.122	.1451	.1451	.1330	.1786	.3292	.1137
23	.128	.1003	.1003	.0882	.1244	.2292	.0792
24	.133	.0890	.0890	.0770	.1144	.2109	.0729
25	.139	.1145	.1145	.1024	.1612	.2970	.1026
26	.144	.1218	.1218	.1097	.1830	.3373	.1165
27	.150	.0968	.0968	.0847	.1502	.2769	.0957
28	.156	.0814	.0814	.0694	.1312	.2419	.0836
29	.161	.0668	.0668	.0548	.1108	.2042	.0706
30	.167	.0492	.0492	.0372	.0807	.1487	.0514
31	.172	.0383	.0383	.0262	.0611	.1126	.0389
32	.178	.0348	.0348	.0227	.0572	.1055	.0364
33	.183	.0386	.0386	.0265	.0667	.1229	.0425
34	.189	.0360	.0360	.0239	.0700	.1301	.0450
35	.194	.0229	.0229	.0109	.0348	.0641	.0221
36	.200	.0226	.0226	.0105	.0366	.0675	.0233
37	.206	.0270	.0270	.0149	.0581	.1047	.0362
38	.211	.0168	.0168	.0048	.0199	.0367	.0127
39	.217	.0183	.0183	.0063	.0287	.0528	.0182
40	.222	.0264	.0264	.0143	.0720	.1327	.0458
41	.228	.0245	.0238	.0117	.0651	.1200	.0414
42	.233	.0197	.0198	.0077	.0477	.0878	.0303
43	.239	.0159	.0173	.0053	.0358	.0661	.0228
44	.244	.0195	.0187	.0068	.0502	.0926	.0320
45	.250	.0207	.0199	.0078	.0662	.1221	.0422
46	.256	.0177	.0187	.0066	.0826	.1154	.0399
47	.261	.0183	.0187	.0066	.0703	.1295	.0447
48	.267	.0218	.0205	.0085	.1005	.1852	.0640
49	.272	.0203	.0203	.0082	.1098	.2024	.0699
50	.278	.0161	.0164	.0043	.0652	.1202	.0415
51	.283	.0102	.0119	.0000	.0000	.0000	.0000
52	.289	.0111	.0111	.0000	.0000	.0000	.0000
53	.294	.0147	.0138	.0018	.0388	.0715	.0247
54	.300	.0171	.0157	.0036	.0804	.1676	.0579
55	.306	.0138	.0138	.0018	.0523	.0964	.0333
56	.311	.0095	.0109	.0000	.0000	.0000	.0000
57	.317	.0105	.0107	.0000	.0000	.0000	.0000
58	.322	.0130	.0122	.0002	.0071	.0130	.0045
59	.328	.0111	.0113	.0000	.0000	.0000	.0000
60	.333	.0074	.0093	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 19/1/58 AV. T= 7.4 RECORD = CL 1
HOUR = 0 SIG.MGT. = 17.3 ~~CORR. VAR. = 5.0~~
TOTAL DF =166 CORR. VAR. = 16.7 ~~CHECK DIFF. = 5.0~~
NOISE LEVEL = .0056 WIND SPEED = 45

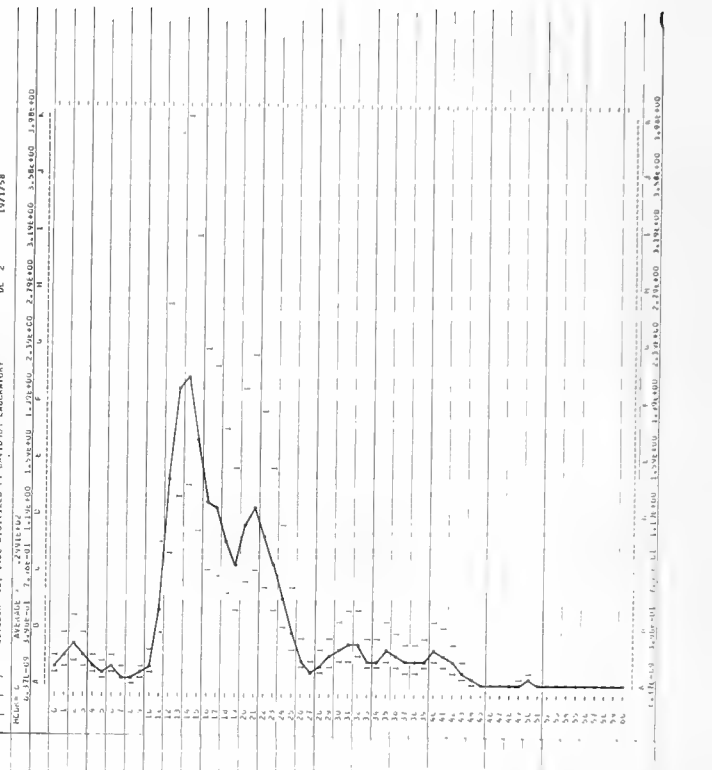
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0529	.0529	.0475	.0475	.0876	.0303
1	.006	.0641	.0641	.0587	.0587	.1082	.0374
2	.011	.0946	.0946	.0892	.0892	.1644	.0568
3	.017	.1263	.1184	.1185	.1185	.2192	.0757
4	.022	.1223	.1176	.1176	.1176	.2170	.0745
5	.028	.0778	.0724	.0724	.0724	.1335	.0461
6	.033	.0470	.0470	.0418	.0673	.1240	.0428
7	.039	.0424	.0424	.0371	.0559	.1034	.0358
8	.044	.0466	.0466	.0412	.0613	.1130	.0397
9	.050	.0493	.0493	.0442	.0514	.0936	.0331
10	.056	.3253	.3199	.3147	.3647	.6722	.2322
11	.061	.9264	.9264	.9211	1.0606	1.9588	.6764
12	.067	1.1002	1.1002	1.0949	1.2419	2.2989	.7947
13	.072	.8505	.8505	.8451	.9758	1.7986	.6213
14	.078	.9003	.9003	.8944	1.0023	1.8579	.6764
15	.083	1.4346	1.4346	1.4293	1.7537	3.2323	1.1166
16	.089	1.7480	1.7480	1.7427	2.1363	3.9258	1.4253
17	.094	1.3341	1.3341	1.3287	1.7243	3.1071	1.1465
18	.100	.8896	.8896	.8841	1.0825	2.0270	.8039
19	.106	.6965	.6965	.6912	1.0532	1.9411	.6764
20	.111	.5112	.5112	.5058	.6213	1.1462	.3231
21	.117	.3863	.3863	.3343	.6122	1.1412	.3447
22	.122	.2670	.2670	.2616	.4426	.8074	.3137
23	.128	.2138	.2138	.2084	.4256	.7864	.2709
24	.133	.1408	.1408	.1355	.3013	.5553	.1918
25	.139	.0745	.0745	.0691	.1813	.3345	.1135
26	.144	.0731	.0731	.0677	.1813	.3342	.1134
27	.150	.0824	.0824	.0770	.2241	.4222	.1459
28	.156	.0724	.0724	.0670	.2154	.4063	.1397
29	.161	.0620	.0620	.0567	.2084	.3865	.1314
30	.167	.0503	.0503	.0507	.2072	.3820	.1320
31	.172	.0378	.0378	.0325	.1983	.3733	.0944
32	.178	.0243	.0243	.0190	.1971	.1800	.0682
33	.183	.0214	.0214	.0160	.0933	.1720	.0594
34	.189	.0227	.0227	.0173	.1143	.2111	.0739
35	.194	.0286	.0286	.0232	.1749	.3223	.1113
36	.200	.0266	.0266	.0212	.2003	.3691	.1279
37	.206	.0175	.0175	.0122	.1826	.2227	.0749
38	.211	.0117	.0117	.0064	.0732	.1349	.0460
39	.217	.0130	.0130	.0077	.1026	.1874	.0649
40	.222	.0113	.0113	.0064	.1021	.1897	.0582
41	.228	.0066	.0073	.0022	.0356	.0656	.0227
42	.233	.0053	.0059	.0006	.0216	.0411	.0004
43	.239	.0071	.0071	.0017	.0331	.0611	.0011
44	.244	.0078	.0079	.0023	.0625	.0046	.0016
45	.250	.0083	.0083	.0028	.0625	.0054	.0019
46	.256	.0064	.0087	.0032	.0634	.0062	.0021
47	.261	.0079	.0078	.0024	.0624	.0044	.0015
48	.267	.0051	.0059	.0005	.0605	.0010	.0003
49	.272	.0051	.0055	.0001	.0601	.0002	.0001
50	.278	.0067	.0063	.0007	.0610	.0018	.0006
51	.283	.0071	.0067	.0011	.0614	.0029	.0009
52	.289	.0066	.0061	.0007	.0607	.0013	.0005
53	.294	.0048	.0053	.0000	.0600	.0000	.0000
54	.300	.0052	.0054	.0000	.0600	.0000	.0000
55	.306	.0067	.0062	.0006	.0606	.0016	.0006
56	.311	.0068	.0064	.0008	.0608	.0019	.0007
57	.317	.0069	.0062	.0006	.0606	.0000	.0000
58	.322	.0059	.0062	.0006	.0606	.0000	.0000
59	.328	.0041	.0041	.0000	.0606	.0000	.0000
60	.333	.0041	.0041	.0000	.0606	.0000	.0000



SPECTRA BROADCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/10/62 — AV. T= — H.F — RECORD = UL 2
MEAN = 0 — SIGNIFI. = 16.8
TOTAL OF =149 — CLNN. VAR. = 2641
NOISE LEVEL = .0057 — WIND SPEED = 30

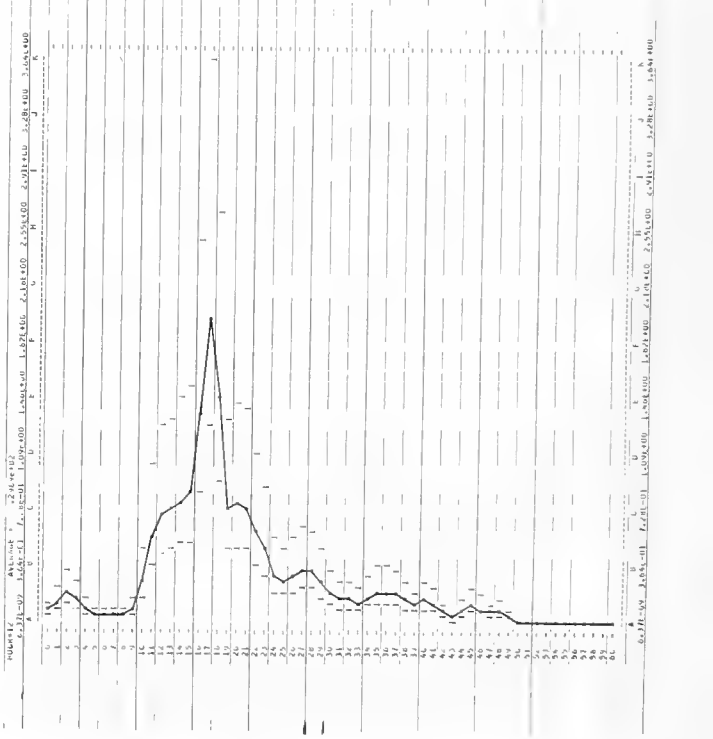
H	FREQ	UNIT-PT..	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.1073	.1073	.1017	.1017	.1874	.0647
1	.008	.1941	.1941	.1885	.1885	.2474	.1260
2	.011	.2048	.2048	.1991	.1991	.2776	.1850
3	.017	.1962	.1962	.1905	.1905	.3437	.1187
4	.022	.1074	.1074	.1017	.1017	.1874	.0647
5	.025	.1841	.1841	.1784	.1784	.1408	.0486
6	.031	.0713	.0713	.0656	.0656	.1354	.0875
7	.039	.0479	.0479	.0417	.0573	.1057	.0365
8	.044	.0275	.0275	.0218	.0276	.0501	.0113
9	.050	.0864	.0864	.0812	.0719	.1325	.0458
10	.056	.1201	.1201	.1144	.1301	.1509	.0867
11	.061	.0804	.0804	.0747	.0760	.0980	.0413
12	.067	1.2774	1.2774	1.2713	1.4423	2.0583	.9184
13	.072	1.0147	1.0147	1.0091	1.0809	1.6702	1.3301
14	.078	1.0258	1.0258	1.0201	1.0164	1.4820	1.2736
15	.083	1.3444	1.3444	1.3342	1.7154	3.1618	1.0963
16	.089	.9902	.9902	.9905	1.1763	2.3450	.8101
17	.094	.9646	.9646	.9605	1.1160	2.4823	.7746
18	.100	.8932	.8932	.8878	.9816	1.6093	.6250
19	.106	.5468	.5468	.5411	.6261	1.3132	.5235
20	.111	.6915	.6915	.6858	.8138	2.0930	.7092
21	.117	.7224	.7224	.7162	1.4529	2.3092	.7978
22	.122	.5504	.5504	.5447	1.1386	1.9110	.8862
23	.128	.4121	.4121	.4064	.8247	1.5292	.5283
24	.133	.4845	.2845	.2788	.6112	1.1265	.3892
25	.139	.1538	.1538	.1481	.3805	.6847	.2246
26	.144	.0883	.0883	.0826	.1648	.3001	.1037
27	.150	.0384	.0384	.0328	.0967	.1783	.0616
28	.156	.0433	.0433	.0376	.0231	.0789	.0764
29	.161	.0554	.0554	.0497	.1854	.3335	.1152
30	.167	.0832	.0832	.0775	.2343	.4318	.1492
31	.172	.0673	.0673	.0616	.2013	.5186	.1791
32	.178	.0613	.0613	.0556	.1865	.3280	.1864
33	.183	.0342	.0342	.0285	.1658	.3058	.1056
34	.189	.0308	.0308	.0251	.1659	.3059	.1057
35	.194	.0363	.0363	.0306	.1901	.4254	.1470
36	.200	.0271	.0271	.0214	.1540	.3402	.1175
37	.206	.0262	.0262	.0146	.1444	.2662	.0920
38	.211	.0180	.0180	.0123	.1413	.2605	.0900
39	.217	.0184	.0184	.0128	.1454	.3123	.1079
40	.222	.0211	.0211	.0155	.1184	.4394	.1518
41	.228	.0184	.0177	.0121	.1171	.4002	.1383
42	.233	.0134	.0134	.0074	.1293	.2811	.0995
43	.239	.0081	.0081	.0024	.1277	.1432	.0495
44	.244	.0080	.0080	.0024	.1276	.0406	.0146
45	.250	.0056	.0056	.0000	.1253	.0000	.0002
46	.256	.0057	.0057	.0000	.0000	.0000	.0000
47	.261	.0046	.0044	.0000	.0000	.0000	.0000
48	.267	.0042	.0042	.0000	.0000	.0000	.0000
49	.272	.0049	.0049	.0000	.0137	.0253	.0087
50	.278	.0060	.0060	.0003	.0415	.0765	.0264
51	.283	.0042	.0042	.0000	.0000	.0000	.0000
52	.289	.0048	.0045	.0000	.0000	.0000	.0000
53	.294	.0031	.0047	.0000	.0000	.0000	.0000
54	.300	.0037	.0041	.0000	.0000	.0000	.0000
55	.306	.0030	.0038	.0000	.0000	.0000	.0000
56	.311	.0053	.0034	.0000	.0000	.0000	.0000
57	.317	.0094	.0032	.0000	.0000	.0000	.0000
58	.322	.0092	.0087	.0000	.0000	.0000	.0000
59	.328	.0062	.0068	.0000	.0000	.0000	.0000
60	.333	.0059	.0057	.0000	.0000	.0000	.0000



SPECTRA BROADCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/10/62 — AV. T= — H.F — RECORD = UL 3
MEAN = 12 — SIGNIFI. = 10.4
TOTAL OF =240 — CLNN. VAR. = 1626
NOISE LEVEL = .0043 — WIND SPEED = 30

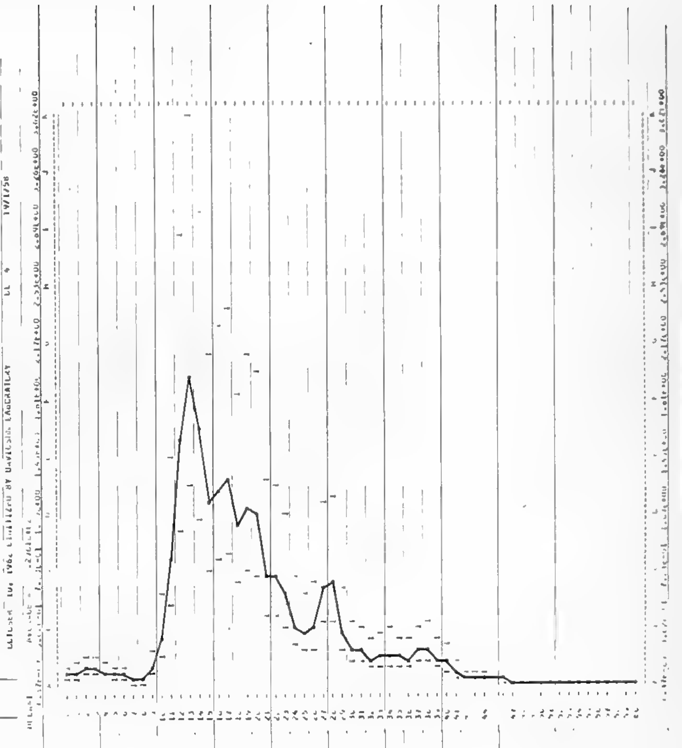
H	FREQ	UNIT-PT..	FILTERED	LESS NOISE	CORR.PT.2	UPPER	LOWER
0	.000	.0658	.0658	.0612	.0612	.1128	.0390
1	.006	.1148	.1148	.1102	.1102	.2032	.0702
2	.011	.1730	.1730	.1684	.1684	.3104	.1072
3	.017	.1470	.1470	.1424	.1424	.4625	.0967
4	.022	.0799	.0794	.0754	.0754	.1389	.0480
5	.028	.0364	.0364	.0318	.0318	.0587	.0263
6	.033	.0331	.0331	.0288	.0461	.0850	.0294
7	.039	.0366	.0366	.0320	.0446	.0821	.0280
8	.044	.0372	.0372	.0326	.0406	.0749	.0259
9	.050	.0750	.0704	.0704	.0827	.1525	.0527
10	.056	.2272	.2272	.2227	.2538	.4678	.1616
11	.061	.4862	.4862	.4816	.5861	1.0805	.3427
12	.067	.6214	.6214	.6155	.6761	1.2476	.4648
13	.072	.6276	.6276	.6219	.7194	1.3260	.4581
14	.078	.4648	.4648	.4591	.5812	1.0798	.4974
15	.083	.4762	.4762	.4716	.6284	1.5232	.3762
16	.089	1.6435	1.6435	1.6394	1.3346	2.4598	.8498
17	.094	1.4689	1.4689	1.4623	1.9747	3.6397	1.4574
18	.100	1.0191	1.0191	1.0145	1.4465	2.6697	.9263
19	.106	.4756	.4756	.4706	.7147	1.3174	.4553
20	.111	.4763	.4763	.4717	.7261	1.4121	.4878
21	.117	.4323	.4323	.4277	.7461	1.3752	.4751
22	.122	.3268	.3268	.3161	.5551	1.0984	.3789
23	.128	.2361	.2361	.2315	.4727	.8712	.3010
24	.133	.1390	.1390	.1344	.2756	.5518	.1904
25	.139	.1124	.1124	.1078	.2626	.4840	.1672
26	.144	.1169	.1124	.1078	.2626	.4840	.1672
27	.150	.1152	.1152	.1106	.2766	.5544	.1915
28	.156	.1132	.1132	.1086	.2766	.6040	.2060
29	.161	.0746	.0746	.0700	.3236	.5993	.2656
30	.167	.0494	.0494	.0447	.2556	.4700	.1644
31	.172	.0352	.0352	.0305	.1786	.3292	.1137
32	.178	.0297	.0297	.0251	.1454	.2683	.0892
33	.183	.0258	.0258	.0211	.1227	.2262	.0781
34	.189	.0276	.0276	.0231	.1326	.2813	.0972
35	.194	.0313	.0313	.0268	.1541	.3570	.1238
36	.200	.0264	.0264	.0221	.1453	.3470	.1194
37	.206	.0218	.0218	.0175	.1651	.3116	.1077
38	.211	.0168	.0168	.0121	.1324	.2551	.0881
39	.217	.0167	.0167	.0120	.1306	.1946	.0807
40	.222	.0169	.0169	.0122	.1251	.2374	.0822
41	.228	.0116	.0116	.0063	.1138	.2097	.0725
42	.233	.0108	.0108	.0062	.1298	.1095	.0378
43	.239	.0098	.0098	.0011	.1276	.0498	.0172
44	.244	.0076	.0063	.0024	.1254	.0280	.0442
45	.250	.0084	.0078	.0032	.1276	.2076	.0717
46	.256	.0063	.0067	.0022	.0969	.1673	.0579
47	.261	.0057	.0059	.0013	.0665	.1223	.0423
48	.267	.0064	.0059	.0014	.0462	.1425	.0513
49	.272	.0060	.0052	.0006	.0461	.0813	.0281
50	.278	.0061	.0051	.0006	.0466	.0811	.0264
51	.283	.0062	.0062	.0017	.0717	.0031	.0011
52	.289	.0055	.0056	.0016	.0016	.0019	.0006
53	.294	.0053	.0046	.0006	.0006	.0000	.0000
54	.300	.0038	.0037	.0000	.0000	.0000	.0000
55	.306	.0041	.0035	.0000	.0000	.0000	.0000
56	.311	.0033	.0035	.0000	.0000	.0000	.0000
57	.317	.0033	.0035	.0000	.0000	.0000	.0000
58	.322	.0045	.0043	.0000	.0000	.0000	.0000
59	.328	.0054	.0052	.0007	.0007	.0012	.0004
60	.333	.0058	.0055	.0016	.0016	.0018	.0006



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 19/1/58 AV. T= 6.7 RECORD = DL 4
HOUR = 18 SIG.HGT. = 18.2
TOTAL DF =207 CORR. VAR. = 20.7
NOISE LEVEL = .0077 WIND SPEED = 35

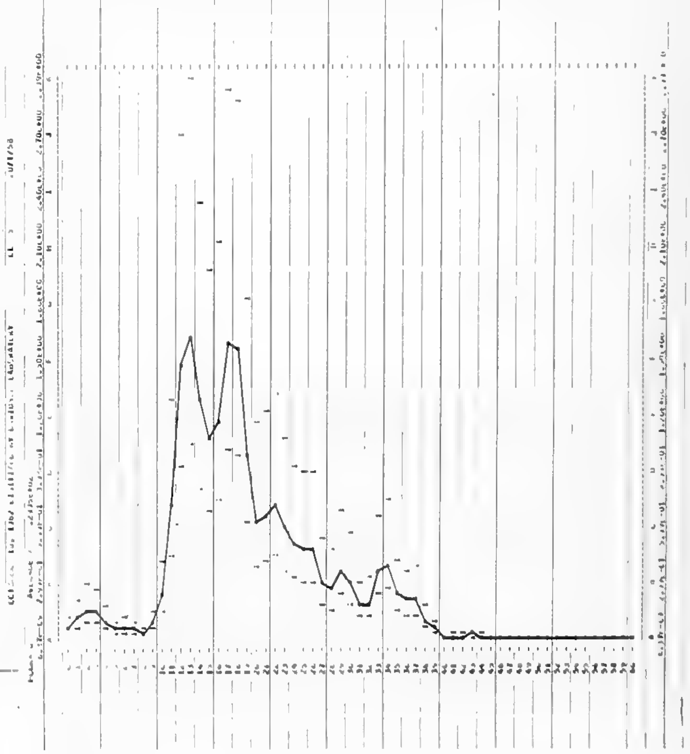
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0642	.0642	.0564	.0564	.1040	.0359
1	.006	.0806	.0806	.0729	.0729	.1343	.0464
2	.011	.1034	.1034	.0957	.0957	.1763	.0609
3	.017	.1076	.1076	.0998	.0998	.1840	.0636
4	.022	.0952	.0952	.0875	.0875	.1612	.0557
5	.028	.0704	.0704	.0627	.0627	.1156	.0399
6	.033	.0414	.0414	.0337	.0545	.1004	.0347
7	.039	.0265	.0265	.0188	.0258	.0475	.0164
8	.044	.0274	.0274	.0196	.0245	.0451	.0156
9	.050	.1026	.1026	.0948	.1114	.2053	.0709
10	.056	.2761	.2761	.2683	.3059	.5638	.1948
11	.061	.7006	.7006	.6929	.7823	1.4419	.4981
12	.067	1.3719	1.3719	1.3642	1.5474	2.8521	.9853
13	.072	1.7071	1.7071	1.6994	1.9623	3.6168	1.2495
14	.078	1.3755	1.3755	1.3677	1.6235	2.9923	1.0337
15	.083	.9393	.9393	.9316	1.1462	2.1126	.7298
16	.089	.9769	.9769	.9692	1.2449	2.2945	.7927
17	.094	.9622	.9622	.9545	1.2889	2.3757	.8207
18	.100	.7093	.7093	.7016	1.0017	1.8462	.6378
19	.106	.7533	.7533	.7456	1.1327	2.0878	.7212
20	.111	.6771	.6771	.6694	1.0872	2.0038	.6922
21	.117	.4101	.4101	.4024	.7020	1.2938	.4470
22	.122	.3752	.3752	.3674	.6916	1.2751	.4405
23	.128	.2953	.2953	.2876	.5872	1.0822	.3739
24	.133	.1765	.1765	.1688	.3754	.6919	.2390
25	.139	.1373	.1373	.1296	.3155	.5815	.2009
26	.144	.1431	.1431	.1353	.3622	.6677	.2307
27	.150	.2216	.2216	.2138	.6313	1.1636	.4020
28	.156	.2065	.2065	.1988	.6506	1.1991	.4143
29	.161	.0995	.0995	.0917	.3340	.6157	.2127
30	.167	.0606	.0606	.0529	.2154	.3971	.1372
31	.172	.0523	.0523	.0446	.2035	.3750	.1296
32	.178	.0376	.0376	.0299	.1537	.2833	.0979
33	.183	.0391	.0391	.0313	.1824	.3362	.1161
34	.189	.0365	.0365	.0288	.1903	.3507	.1212
35	.194	.0296	.0296	.0219	.1650	.3042	.1051
36	.200	.0250	.0250	.0173	.1491	.2748	.0949
37	.206	.0283	.0283	.0206	.2041	.3762	.1300
38	.211	.0266	.0266	.0189	.2162	.3985	.1377
39	.217	.0194	.0194	.0117	.1947	.2652	.0965
40	.222	.0168	.0168	.0091	.1397	.2575	.0889
41	.228	.0115	.0123	.0046	.0826	.1526	.0527
42	.233	.0065	.0095	.0018	.0376	.0693	.0239
43	.239	.0101	.0095	.0017	.0433	.0790	.0276
44	.244	.0091	.0092	.0015	.0426	.0789	.0273
45	.250	.0080	.0084	.0006	.0222	.0409	.0141
46	.256	.0080	.0082	.0005	.0202	.0372	.0129
47	.261	.0066	.0066	.0011	.0011	.0019	.0007
48	.267	.0097	.0095	.0018	.0018	.0033	.0011
49	.272	.0095	.0098	.0021	.0021	.0038	.0013
50	.278	.0106	.0107	.0029	.0029	.0054	.0019
51	.283	.0131	.0120	.0043	.0043	.0079	.0027
52	.289	.0115	.0111	.0034	.0034	.0062	.0021
53	.294	.0074	.0083	.0006	.0006	.0011	.0004
54	.300	.0069	.0072	.0000	.0000	.0000	.0000
55	.306	.0079	.0075	.0000	.0000	.0000	.0000
56	.311	.0073	.0073	.0000	.0000	.0000	.0000
57	.317	.0067	.0068	.0000	.0000	.0000	.0000
58	.322	.0067	.0065	.0000	.0000	.0000	.0000
59	.328	.0055	.0057	.0000	.0000	.0000	.0000
60	.333	.0043	.0049	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 20/1/58 AV. T= 6.6 RECORD = DL 5
HOUR = 0 SIG.HGT. = 17.8
TOTAL DF =200 CORR. VAR. = 17.6
NOISE LEVEL = .0055 WIND SPEED = 30

M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0772	.0772	.0717	.0717	.1322	.0457
1	.006	.1168	.1168	.1113	.1113	.2052	.0709
2	.011	.1624	.1624	.1569	.1569	.2372	.0999
3	.017	.1534	.1534	.1479	.1479	.2726	.0942
4	.022	.1030	.1030	.0974	.0974	.1796	.0620
5	.028	.0549	.0549	.0493	.0493	.0907	.0314
6	.033	.0416	.0416	.0360	.0582	.1073	.0371
7	.039	.0408	.0408	.0353	.0485	.0894	.0309
8	.044	.0361	.0361	.0305	.0380	.0701	.0242
9	.050	.0767	.0767	.0711	.0835	.1540	.0532
10	[illegible]	[illegible]	.2880	[illegible]	[illegible]	[illegible]	.0474
11	.061	.6349	.6349	[illegible]	[illegible]	[illegible]	[illegible]
12	.067	1.3014	1.3014	1.2959	1.4699	2.7093	.9360
13	[illegible]	[illegible]	[illegible]	[illegible]	1.6744	2.9748	1.0346
14	[illegible]	[illegible]	[illegible]	[illegible]	1.2774	2.2760	.8161
15	.083	.9812	.9812	.9756	[illegible]	1.7030	[illegible]
16	.089	.9043	.9043	.8988	1.1545	2.1278	.7351
17	[illegible]	[illegible]	1.1747	[illegible]	[illegible]	2.4921	.8601
18	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
19	[illegible]	.6663	.6663	.6390	.7749	1.4135	.4924
20	.111	.3903	.3903	.3848	.6347	1.1699	.4041
21	.117	.3900	.3900	.3844	.6706	1.2360	.4270
22	.122	.3821	.3821	.3766	.7090	1.3069	.4515
23	.128	.2932	.2932	.2877	.5873	1.0824	.3739
24	.133	.2290	.2290	.2234	.4476	.8160	.3165
25	.139	.2046	.2046	.1990	.4846	.8932	.3086
26	.144	.1847	.1847	.1791	.4744	.8837	.3053
27	.150	.1069	.1069	.1014	.2943	.5510	.1900
28	.156	.0836	.0836	.0783	.2562	.4721	.1631
29	.161	.1064	.1064	.1009	.3673	.6769	.2338
30	.167	.0797	.0797	.0741	.3016	.5562	.1922
31	.172	.0419	.0419	.0364	.1606	.3060	.1057
32	.178	.0416	.0416	.0361	.1856	.3421	.1182
33	.183	.0682	.0682	.0627	.3640	.6721	.2322
34	.189	.0663	.0663	.0608	.4018	.7406	.2558
35	.194	.0365	.0369	.0310	.2335	.4304	.1487
36	.200	.0290	.0296	.0236	.2029	.3731	.1289
37	.206	.0266	.0266	.0210	.2085	.3844	.1328
38	.211	.0146	.0146	.0091	.1043	.1923	.0664
39	.217	.0096	.0096	.0040	.0515	.0985	.0340
40	.222	.0118	.0118	.0063	.0063	.0116	.0040
41	.228	.0171	.0164	.0109	.0109	.0200	.0069
42	.233	.0204	.0196	.0141	.0141	.0260	.0090
43	.239	.0214	.0206	.0151	.0151	.0278	.0096
44	.244	.0196	.0184	.0129	.0129	.0238	.0082
45	.250	.0129	.0129	.0073	.0073	.0135	.0047
46	.256	.0059	.0072	.0017	.0017	.0031	.0011
47	.261	.0042	.0047	.0000	.0000	.0000	.0000
48	.267	.0042	.0044	.0000	.0000	.0000	.0000
49	.272	.0048	.0057	.0000	.0000	.0000	.0000
50	.278	.0074	.0070	.0015	.0015	.0027	.0009
51	.283	.0079	.0092	.0030	.0030	.0056	.0019
52	.289	.0080	.0077	.0023	.0023	.0041	.0015
53	.294	.0057	.0060	.0005	.0005	.0009	.0003
54	.300	.0046	.0047	.0000	.0000	.0000	.0000
55	.306	.0038	.0040	.0000	.0000	.0000	.0000
56	.311	.0037	.0039	.0000	.0000	.0000	.0000
57	.317	.0049	.0044	.0000	.0000	.0000	.0000
58	.322	.0044	.0043	.0000	.0000	.0000	.0000
59	.328	.0054	.0053	.0000	.0000	.0000	.0000
60	.333	.0054	.0056	.0001	.0001	.0002	.0001



SPECTRA MINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

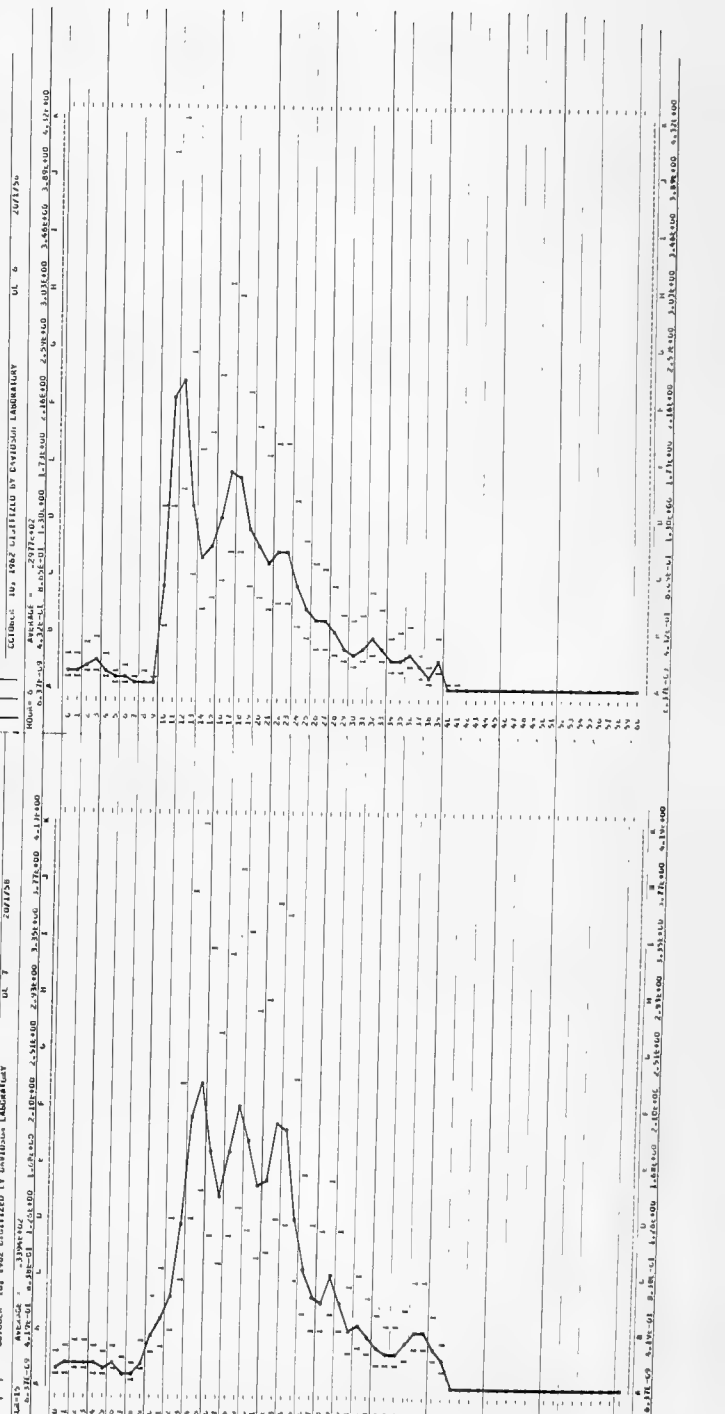
DATE = 20/1/58 AV. I= 9.0 RECORD = DL 6
HOUR = 6 SIG.MGT. = 20.2
TOTAL DP =214 CONN. VAR. = 25.5
NOISE LEVEL = .0049 WIND SPEED = 35

M	FREQ.	UNIT-PT.2	FILTERED	LESS NOISE	CONN.PT.2	UPPER	LOWER
0	.000	.1557	.1557	.1508	.1508	.2779	.0900
1	.006	.1484	.1484	.1435	.1435	.2640	.0914
2	.011	.1943	.1943	.1894	.1894	.3583	.1238
3	.017	.2226	.2226	.2177	.2177	.4013	.1306
4	.022	.1430	.1430	.1382	.1382	.2547	.0880
5	.028	.0793	.0793	.0744	.0744	.1371	.0474
6	.033	.0626	.0626	.0577	.0933	.1719	.0594
7	.039	.0433	.0433	.0385	.0549	.0974	.0337
8	.044	.0543	.0543	.0494	.0615	.1134	.0392
9	.050	.0455	.0455	.0407	.0678	.0881	.0314
10	.056	.0701	.0701	.0653	.7583	1.3977	.4829
11	.061	1.9562	1.0962	1.9914	4.4010	4.0088	1.4015
12	.067	2.0726	2.0726	2.0677	2.3434	4.3230	1.4934
13	.072	1.2010	1.2010	1.1961	1.3811	2.5457	.8794
14	.078	.8269	.8269	.8220	.9757	1.7986	.6213
15	.083	.8671	.8671	.8622	1.4609	1.9353	.6795
16	.089	1.0125	1.0125	1.0076	1.2943	2.3855	.8241
17	.094	1.2344	1.2344	1.2295	1.6892	3.0692	1.0572
18	.100	1.1343	1.1343	1.1295	1.0125	2.4721	1.0268
19	.106	.8149	.8149	.8100	1.4390	2.2882	.7836
20	.111	.8048	.8048	.8599	1.0718	1.9754	.6824
21	.117	.5370	.5370	.5321	.9631	1.7751	.6132
22	.122	.5467	.5467	.5418	1.0201	1.6803	.6496
23	.128	.5044	.5044	.4995	1.0158	1.8796	.6493
24	.133	.3547	.3547	.3498	.7781	1.4341	.4954
25	.139	.2567	.2507	.2458	.5988	1.1032	.3811
26	.144	.1946	.1946	.1898	.5079	.9361	.3234
27	.150	.1738	.1738	.1689	.4987	.9141	.3175
28	.156	.1315	.1315	.1266	.4143	.7637	.2638
29	.161	.0910	.0910	.0862	.3137	.5782	.1998
30	.167	.0728	.0728	.0679	.2764	.5095	.1760
31	.172	.0737	.0737	.0688	.2142	.3791	.2001
32	.178	.0805	.0805	.0756	.3893	.7175	.2479
33	.183	.0801	.0801	.0753	.2216	.3928	.2048
34	.189	.0384	.0384	.0335	.2219	.4089	.1413
35	.194	.0355	.0355	.0306	.1305	.4249	.1408
36	.200	.0340	.0340	.0291	.2513	.4632	.1600
37	.206	.0202	.0202	.0153	.1518	.4747	.0986
38	.211	.0137	.0137	.0089	.1014	.1868	.0665
39	.217	.0209	.0209	.0161	.2133	.3931	.1398
40	.222	.0258	.0258	.0209	.1209	.1980	.0733
41	.228	.0226	.0219	.0170	.0170	.0314	.0108
42	.233	.0134	.0185	.0116	.0116	.0214	.0074
43	.239	.0114	.0127	.0078	.0078	.0144	.0050
44	.244	.0131	.0125	.0076	.0076	.0140	.0048
45	.250	.0125	.0141	.0073	.0073	.0134	.0046
46	.256	.0093	.0104	.0055	.0055	.0101	.0035
47	.261	.0101	.0102	.0054	.0054	.0099	.0034
48	.267	.0122	.0114	.0065	.0065	.0120	.0041
49	.272	.0112	.0110	.0062	.0062	.0114	.0039
50	.278	.0092	.0091	.0042	.0042	.0078	.0027
51	.283	.0089	.0089	.0018	.0016	.0030	.0010
52	.289	.0048	.0048	.0000	.0000	.0000	.0000
53	.294	.0048	.0048	.0000	.0000	.0000	.0000
54	.300	.0048	.0048	.0000	.0000	.0000	.0000
55	.306	.0047	.0048	.0000	.0000	.0000	.0000
56	.311	.0044	.0044	.0000	.0000	.0000	.0000
57	.317	.0037	.0041	.0000	.0000	.0000	.0000
58	.322	.0040	.0042	.0000	.0000	.0000	.0000
59	.328	.0093	.0091	.0052	.0052	.0004	.0001
60	.333	.0063	.0058	.0019	.0019	.0033	.0006

SPECTRA MINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 20/1/58 AV. I= 8.1 RECORD = DL 7
HOUR = 15 SIG.MGT. = 23.0
TOTAL DP =238 CONN. VAR. = 33.1
NOISE LEVEL = .0103 WIND SPEED = 35

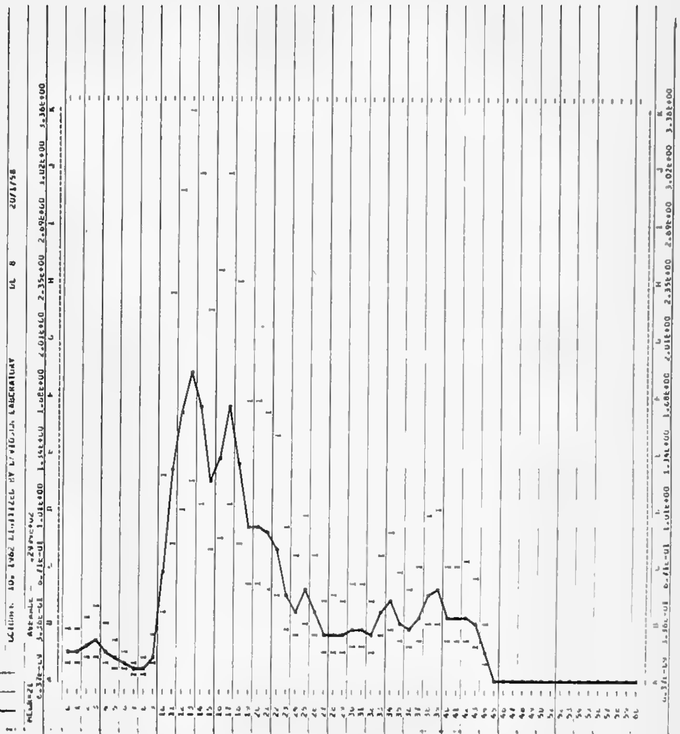
M	FREQ.	UNIT-PT.2	FILTERED	LESS NOISE	CONN.PT.2	UPPER	LOWER
0	.000	.1515	.1515	.1412	.1412	.2398	.0898
1	.006	.1889	.1889	.1374	.1374	.2502	.0943
2	.011	.1809	.1809	.1706	.1764	.2931	.1163
3	.017	.1862	.1862	.1757	.1757	.3238	.1119
4	.022	.1707	.1707	.1602	.1662	.2953	.1020
5	.028	.1481	.1481	.1378	.1358	.2497	.0861
6	.033	.1158	.1158	.1051	.1048	.3127	.1041
7	.039	.0802	.0802	.0737	.0840	.1817	.0662
8	.044	.0745	.0745	.0680	.0767	.1468	.0507
9	.050	.1868	.1868	.1561	.1834	.3380	.1188
10	.056	.2348	.2348	.2243	.2847	.5013	.2254
11	.061	.4375	.4375	.4268	.4821	.8585	.3070
12	.067	.6145	.6145	.6096	.6967	1.2731	.4398
13	.074	1.6763	1.0763	1.6658	1.2307	2.2084	.7828
14	.078	1.6983	1.6983	1.6878	2.0034	3.6928	1.2757
15	.084	1.4884	1.4884	1.4779	1.6737	3.1507	1.1477
16	.089	1.3933	1.3933	1.3828	1.7764	3.2532	1.1310
17	.095	1.0842	1.0842	1.0738	1.4230	2.6229	.9061
18	.100	1.4430	1.4430	1.4329	1.7506	3.2432	1.1264
19	.106	1.3929	1.3929	1.3826	1.6002	3.0711	1.1313
20	.111	1.1490	1.1490	1.1365	1.2490	2.4079	.8778
21	.117	.8828	.8828	.8723	1.3210	2.4040	.8689
22	.122	.8389	.8389	.8285	1.1589	2.0734	.7916
23	.128	.7884	.7884	.7784	1.1585	2.4081	1.4268
24	.133	.8741	.8741	.8636	1.4204	3.5405	1.2231
25	.139	.9260	.9260	.9155	1.6354	3.2135	.7947
26	.144	.7339	.7339	.7234	1.0056	1.9734	.5511
27	.150	.4307	.4307	.4252	.6556	1.1980	.4134
28	.156	.2078	.2078	.1970	.6448	1.1883	.4126
29	.161	.2438	.2438	.2333	.8440	1.5859	.5410
30	.167	.1663	.1663	.1558	.8345	1.1694	.4040
31	.172	.1021	.1021	.0910	.4185	.7704	.2661
32	.178	.0943	.0943	.0838	.4573	.8429	.2912
33	.183	.0738	.0738	.0633	.3084	.5740	.1946
34	.189	.0552	.0552	.0447	.2453	.5435	.1883
35	.194	.0449	.0449	.0346	.4584	.9743	.1822
36	.200	.0391	.0391	.0286	.2467	.4548	.1571
37	.206	.0431	.0431	.0326	.2431	.3323	.1057
38	.211	.0483	.0483	.0378	.3721	.7908	.2753
39	.217	.0437	.0437	.0332	.4399	.8108	.1841
40	.222	.0348	.0348	.0243	.2976	.5490	.1897
41	.228	.0191	.0216	.0103	.1890	.3484	.1203
42	.233	.0148	.0159	.0054	.0054	.0099	.0034
43	.239	.0148	.0154	.0049	.0049	.0091	.0031
44	.244	.0158	.0176	.0071	.0071	.0131	.0045
45	.250	.0202	.0192	.0087	.0087	.0161	.0056
46	.256	.0188	.0182	.0077	.0077	.0142	.0049
47	.261	.0134	.0134	.0029	.0029	.0070	.0024
48	.267	.0114	.0122	.0017	.0017	.0031	.0011
49	.272	.0142	.0167	.0062	.0062	.0003	.0001
50	.278	.0110	.0149	.0044	.0044	.0008	.0003
51	.283	.0117	.0115	.0010	.0010	.0018	.0006
52	.289	.0113	.0113	.0010	.0010	.0018	.0006
53	.294	.0104	.0104	.0004	.0004	.0007	.0002
54	.300	.0114	.0110	.0005	.0005	.0009	.0003
55	.306	.0110	.0107	.0002	.0002	.0004	.0002
56	.311	.0092	.0095	.0000	.0000	.0000	.0000
57	.317	.0084	.0084	.0000	.0000	.0000	.0000
58	.322	.0073	.0074	.0000	.0000	.0000	.0000
59	.328	.0109	.0106	.0001	.0001	.0001	.0000
60	.333	.0112	.0111	.0008	.0008	.0011	.0004



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 20/1/58 AV. T= 7.8 RECORD = UL 8
NCUR = 21 SIG.HGT. = 20.1
TOTAL DF =244 CORR. VAR. = 25.3
NOISE LEVEL = .0091 WIND SPEED = 30

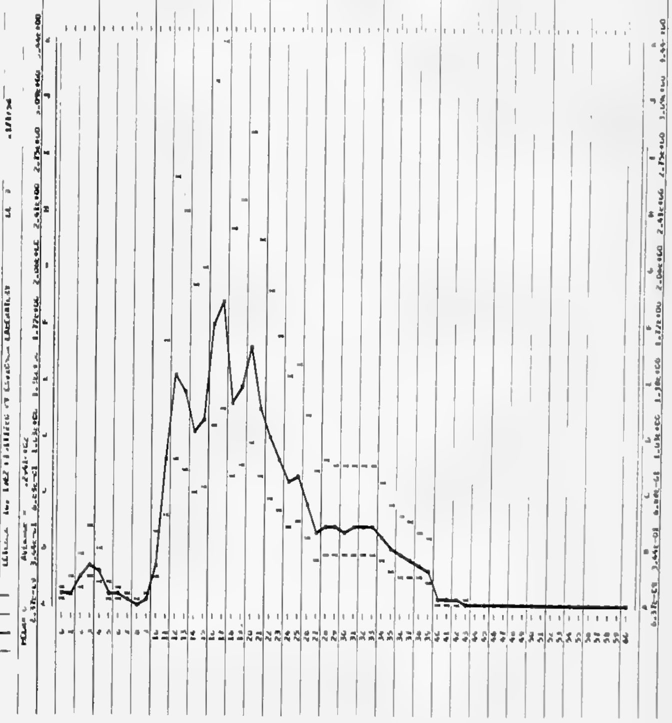
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1705	.1705	.1614	.1614	.2975	.1028
1	.006	.1714	.1714	.1623	.1623	.2991	.1033
2	.011	.2156	.2156	.2065	.2065	.3805	.1315
3	.017	.2403	.2403	.2312	.2312	.4261	.1472
4	.022	.1880	.1880	.1788	.1788	.3296	.1139
5	.028	.1279	.1279	.1188	.1188	.2190	.0756
6	.033	.0689	.0689	.0598	.0966	.1780	.0615
7	.039	.0466	.0466	.0375	.0515	.0948	.0328
8	.044	.0684	.0684	.0593	.0738	.1361	.0470
9	.050	.1357	.1357	.1265	.1486	.2739	.0946
10	.056	.5793	.5793	.5701	.6499	1.1978	.4138
11	.061	1.1131	1.1131	1.1040	1.2465	2.2974	.7937
12	.067	1.3946	1.3946	1.3855	1.5716	2.8966	1.0007
13	.072	1.5865	1.5865	1.5774	1.8214	3.3571	1.1598
14	.078	1.3775	1.3775	1.3684	1.6242	2.9937	1.0342
15	.083	.9745	.9745	.9653	1.1878	2.1892	.7563
16	.089	1.0257	1.0257	1.0166	1.3058	2.4068	.8314
17	.094	1.2137	1.2137	1.2046	1.6267	2.9982	1.0358
18	.100	.9071	.9071	.8979	1.2820	2.3629	.8163
19	.106	.6023	.6023	.5932	.9012	1.6611	.5738
20	.111	.5614	.5614	.5522	.8969	1.6531	.5711
21	.117	.5029	.5029	.4937	.8613	1.5875	.5484
22	.122	.4209	.4209	.4118	.7753	1.4289	.4936
23	.128	.2526	.2526	.2435	.4971	.9162	.3165
24	.133	.1909	.1909	.1818	.4043	.7453	.2575
25	.139	.2282	.2282	.2190	.5333	.9830	.3396
26	.144	.1602	.1602	.1511	.4044	.7454	.2575
27	.150	.0984	.0984	.0893	.2637	.4860	.1679
28	.156	.0926	.0926	.0835	.2731	.5034	.1739
29	.161	.0816	.0816	.0725	.2635	.4864	.1680
30	.167	.0873	.0873	.0782	.3163	.5867	.2027
31	.172	.0766	.0766	.0675	.3082	.5681	.1963
32	.178	.0603	.0603	.0512	.2634	.4855	.1677
33	.183	.0779	.0779	.0688	.4005	.7381	.2550
34	.189	.0813	.0813	.0721	.4771	.8793	.3038
35	.194	.0558	.0558	.0466	.3515	.6478	.2238
36	.200	.0430	.0430	.0337	.2923	.5387	.1861
37	.206	.0464	.0464	.0372	.3692	.6806	.2351
38	.211	.0546	.0546	.0454	.5206	.9583	.3311
39	.217	.0504	.0504	.0413	.5475	1.0092	.3486
40	.222	.0322	.0322	.0230	.3555	.6553	.2264
41	.228	.0281	.0289	.0197	.3553	.6549	.2262
42	.233	.0241	.0271	.0180	.3798	.7000	.2418
43	.239	.0221	.0222	.0130	.3238	.5968	.2062
44	.244	.0141	.0154	.0063	.1843	.3396	.1173
45	.250	.0101	.0114	.0022	.0022	.0041	.0014
46	.256	.0115	.0112	.0020	.0020	.0037	.0013
47	.261	.0122	.0115	.0023	.0023	.0043	.0015
48	.267	.0094	.0099	.0008	.0008	.0015	.0005
49	.272	.0078	.0096	.0000	.0000	.0000	.0000
50	.278	.0099	.0095	.0003	.0003	.0006	.0002
51	.283	.0111	.0102	.0011	.0011	.0020	.0007
52	.289	.0086	.0088	.0000	.0000	.0000	.0000
53	.294	.0066	.0072	.0000	.0000	.0000	.0000
54	.300	.0064	.0069	.0000	.0000	.0000	.0000
55	.306	.0078	.0080	.0000	.0000	.0000	.0000
56	.311	.0101	.0098	.0007	.0007	.0013	.0004
57	.317	.0118	.0111	.0020	.0020	.0037	.0013
58	.322	.0107	.0107	.0015	.0015	.0028	.0010
59	.328	.0090	.0095	.0003	.0003	.0006	.0002
60	.333	.0093	.0091	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 21/1/58 AV. T= 8.3 RECORD = UL 9
NCUR = 0 SIG.HGT. = 30.1
TOTAL DF =241 CORR. VAR. = 23.3
NOISE LEVEL = .0129 WIND SPEED = 40

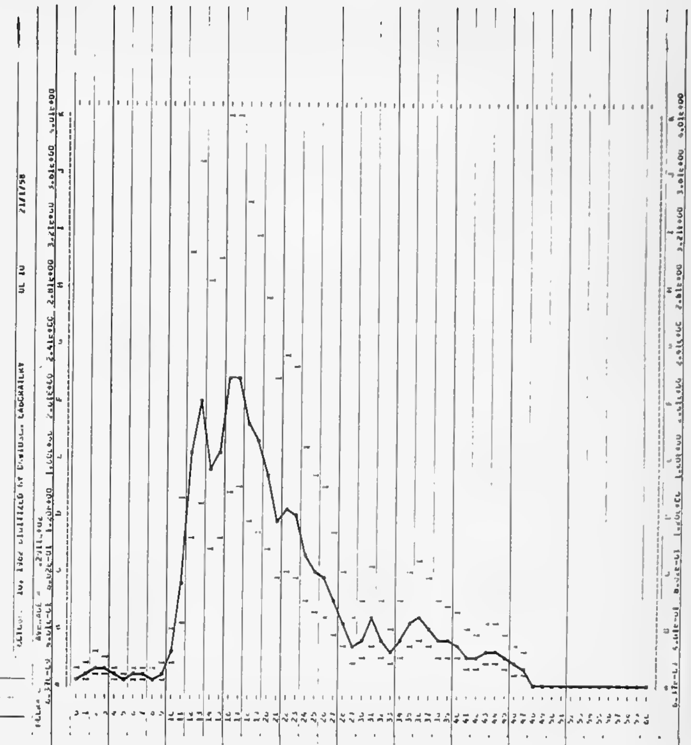
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0661	.0661	.0532	.0532	.0980	.0339
1	.006	.0968	.0968	.0840	.0840	.1984	.0547
2	.011	.1872	.1872	.1743	.1743	.3213	.1110
3	.017	.2967	.2967	.2838	.2838	.5716	.1809
4	.022	.2053	.2053	.1924	.1924	.3546	.1225
5	.028	.0853	.0853	.0724	.0744	.1339	.0474
6	.033	.0828	.0828	.0699	.0646	.1169	.0411
7	.039	.0344	.0344	.0215	.0296	.0548	.0189
8	.044	.0236	.0236	.0107	.0133	.0246	.0085
9	.050	.0416	.0416	.0288	.0433	.0798	.0276
10	.056	.2284	.2284	.2155	.2487	.4584	.1584
11	.061	.7956	.7956	.7827	.8837	1.6288	.5627
12	.067	1.2574	1.2574	1.2446	1.4117	2.6020	.8989
13	.072	1.1409	1.1409	1.1280	1.3141	2.4241	.8367
14	.078	.9659	.9659	.9530	1.0666	1.9937	.6749
15	.083	.7296	.7296	.7167	1.1273	2.0784	.7168
16	.089	1.3639	1.3639	1.3510	1.7394	3.1966	1.1050
17	.094	1.3944	1.3944	1.3816	1.8697	3.4387	1.1874
18	.100	.8897	.8897	.8768	1.2810	2.3073	.7971
19	.106	.9014	.9014	.8886	1.2925	2.4480	.8393
20	.111	.9833	.9833	.9704	1.6761	2.7060	1.0036
21	.117	.7121	.7121	.6993	1.2766	2.3407	.7748
22	.122	.5653	.5653	.5524	1.0460	1.9169	.6623
23	.128	.4906	.4906	.4277	.8922	1.6404	.5690
24	.133	.3583	.3583	.3454	.7602	1.4139	.4892
25	.139	.3439	.3439	.3310	.8066	1.4856	.5132
26	.144	.2474	.2474	.2345	.6277	1.1570	.3997
27	.150	.1646	.1646	.1517	.4470	.8285	.2858
28	.156	.1593	.1593	.1464	.4741	.8831	.3051
29	.161	.1939	.1939	.1390	.4737	.8760	.3029
30	.167	.1266	.1266	.1136	.4633	.8537	.2949
31	.172	.1164	.1164	.1035	.4705	.8708	.3008
32	.178	.1041	.1041	.0912	.4697	.8657	.2991
33	.183	.0928	.0928	.0799	.4650	.8570	.2961
34	.189	.0752	.0752	.0623	.4121	.7598	.2624
35	.194	.0583	.0583	.0455	.3374	.6218	.2148
36	.200	.0467	.0467	.0339	.2924	.5389	.1862
37	.206	.0417	.0417	.0288	.2857	.5265	.1819
38	.211	.0344	.0344	.0215	.2461	.4536	.1567
39	.217	.0296	.0296	.0168	.2226	.4102	.1417
40	.222	.0305	.0305	.0176	.0176	.0325	.0112
41	.228	.0357	.0353	.0224	.0224	.0413	.0143
42	.233	.0409	.0371	.0242	.0242	.0447	.0155
43	.239	.0307	.0300	.0171	.0171	.0315	.0109
44	.244	.0138	.0174	.0046	.0046	.0084	.0029
45	.250	.0087	.0114	.0000	.0000	.0000	.0000
46	.256	.0146	.0146	.0018	.0018	.0033	.0011
47	.261	.0254	.0187	.0058	.0058	.0108	.0037
48	.267	.0172	.0177	.0048	.0048	.0088	.0031
49	.272	.0146	.0155	.0026	.0026	.0048	.0017
50	.278	.0171	.0158	.0029	.0029	.0052	.0018
51	.283	.0146	.0144	.0015	.0015	.0028	.0010
52	.289	.0070	.0112	.0000	.0000	.0000	.0000
53	.294	.0098	.0107	.0000	.0000	.0000	.0000
54	.300	.0141	.0136	.0007	.0007	.0012	.0004
55	.306	.0177	.0161	.0032	.0032	.0059	.0021
56	.311	.0149	.0149	.0020	.0020	.0037	.0013
57	.317	.0104	.0120	.0000	.0000	.0000	.0000
58	.322	.0110	.0112	.0000	.0000	.0000	.0000
59	.328	.0124	.0121	.0000	.0000	.0000	.0000
60	.333	.0126	.0126	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 21/1/56 AV. T = 7.6 RECORD = LL 10
NCUR = 6 SIG.HGT. = 22.1
TOTAL DF =238 CORR. VAR. = 30.6
NOISE LEVEL = .0151 WIND SPEED = 35

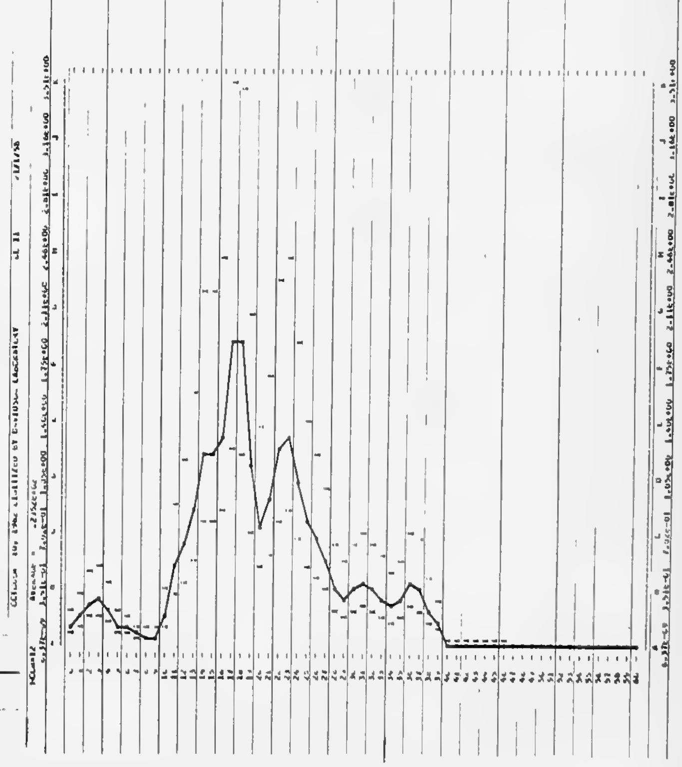
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0699	.0699	.0548	.0548	.1010	.0349
1	.006	.0953	.0953	.0702	.0802	.1478	.0511
2	.011	.1404	.1404	.1253	.1253	.2309	.0796
3	.017	.1325	.1325	.1174	.1174	.2164	.0746
4	.022	.0837	.0837	.0687	.0687	.1265	.0437
5	.028	.0584	.0584	.0434	.0434	.0799	.0276
6	.033	.0541	.0541	.0390	.0630	.1162	.0401
7	.039	.0617	.0617	.0466	.0641	.1181	.0408
8	.044	.0614	.0614	.0463	.0577	.1063	.0367
9	.050	.0847	.0847	.0696	.0817	.1506	.0520
10	.056	.2137	.2137	.1986	.2264	.4173	.1442
11	.061	.6420	.6420	.6269	.7078	1.3046	.4507
12	.067	1.4676	1.4676	1.4525	1.6476	3.0368	1.0491
13	.072	1.7527	1.7527	1.7377	2.0062	3.6983	1.2776
14	.078	1.3102	1.3102	1.2951	1.5373	2.8335	.9789
15	.083	1.3364	1.3364	1.3213	1.6258	2.9966	1.0352
16	.089	1.7054	1.7054	1.6903	2.1712	4.0019	1.3825
17	.094	1.6266	1.6266	1.6116	2.1763	4.0112	1.3857
18	.100	1.3065	1.3065	1.2914	1.8438	3.3983	1.1740
19	.106	1.1503	1.1503	1.1352	1.7247	3.1789	1.0982
20	.111	.9267	.9267	.9116	1.4805	2.7288	.9427
21	.117	.6878	.6878	.6727	1.1735	2.1629	.7472
22	.122	.6848	.6848	.6697	1.2609	2.3240	.8028
23	.128	.6109	.6109	.5958	1.2163	2.2419	.7745
24	.133	.4277	.4277	.4126	.9178	1.6916	.5844
25	.139	.3500	.3500	.3349	.8155	1.5032	.5193
26	.144	.2963	.2963	.2812	.7526	1.3872	.4792
27	.150	.2155	.2155	.2004	.5917	1.0905	.3767
28	.156	.1474	.1474	.1324	.4131	.7984	.2758
29	.161	.0894	.0894	.0744	.2708	.4992	.1725
30	.167	.0960	.0960	.0809	.3216	.6074	.2098
31	.172	.1174	.1174	.1024	.4674	.8614	.2976
32	.178	.0766	.0766	.0615	.3168	.5839	.2017
33	.183	.0531	.0531	.0381	.2215	.4083	.1410
34	.189	.0655	.0655	.0505	.3337	.6150	.2125
35	.194	.0718	.0718	.0567	.4278	.7884	.2724
36	.200	.0713	.0713	.0563	.4858	.8954	.3093
37	.206	.0571	.0571	.0420	.4168	.7683	.2654
38	.211	.0431	.0431	.0280	.3208	.5912	.2042
39	.217	.0382	.0382	.0231	.3064	.5647	.1951
40	.222	.0337	.0337	.0186	.2870	.5290	.1828
41	.228	.0250	.0269	.0119	.2136	.3937	.1360
42	.233	.0233	.0241	.0090	.1900	.3502	.1210
43	.239	.0260	.0246	.0096	.2378	.4383	.1514
44	.244	.0233	.0233	.0082	.2406	.4434	.1532
45	.250	.0260	.0205	.0054	.1883	.3470	.1199
46	.256	.0184	.0186	.0035	.1461	.2693	.0930
47	.261	.0173	.0175	.0024	.1200	.2213	.0764
48	.267	.0162	.0169	.0019	.0019	.0035	.0012
49	.272	.0184	.0182	.0031	.0031	.0057	.0020
50	.278	.0213	.0197	.0047	.0047	.0086	.0030
51	.283	.0183	.0179	.0028	.0028	.0052	.0018
52	.289	.0123	.0138	.0000	.0000	.0000	.0000
53	.294	.0108	.0145	.0000	.0000	.0000	.0000
54	.300	.0172	.0164	.0013	.0013	.0024	.0008
55	.306	.0220	.0203	.0052	.0052	.0096	.0033
56	.311	.0187	.0187	.0037	.0037	.0067	.0023
57	.317	.0139	.0150	.0000	.0000	.0000	.0000
58	.322	.0141	.0135	.0000	.0000	.0000	.0000
59	.328	.0119	.0121	.0000	.0000	.0000	.0000
60	.333	.0089	.0164	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 21/1/56 AV. T = 8.4 RECORD = LL 11
NCUR = 12 SIG.HGT. = 19.2
TOTAL DF =232 CORR. VAR. = 21.0
NOISE LEVEL = .0070 WIND SPEED = 30

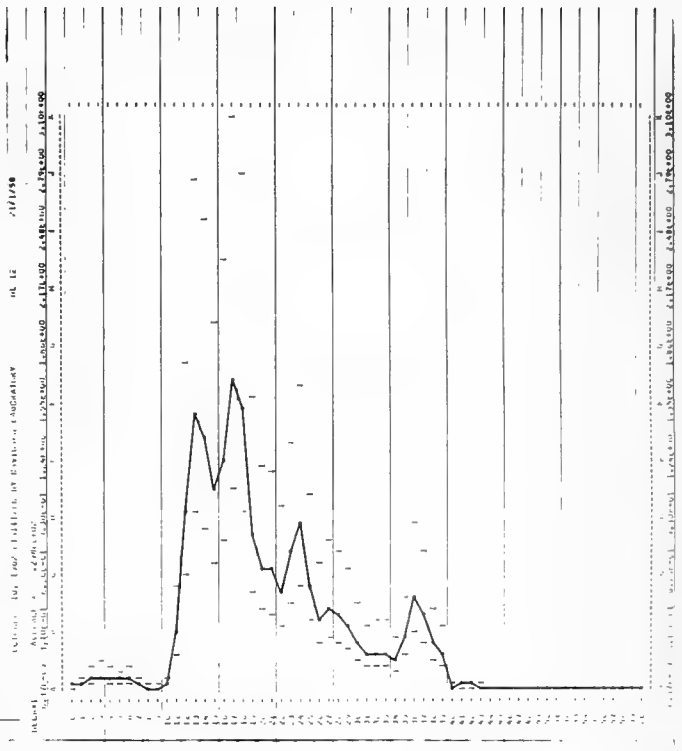
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1186	.1186	.1115	.1115	.2056	.0710
1	.006	.1767	.1767	.1696	.1696	.3127	.1080
2	.011	.2604	.2604	.2533	.2533	.4669	.1613
3	.017	.2750	.2750	.2679	.2679	.4938	.1706
4	.022	.2173	.2173	.2103	.2163	.3876	.1339
5	.028	.1237	.1237	.1167	.1167	.2151	.0743
6	.033	.0648	.0648	.0578	.0934	.1721	.0595
7	.039	.0472	.0472	.0402	.0553	.1018	.0352
8	.044	.0461	.0461	.0390	.0486	.0896	.0309
9	.050	.0494	.0494	.0423	.0497	.0916	.0317
10	.056	.1742	.1742	.1672	.1905	.3512	.1213
11	.061	.4294	.4294	.4224	.4769	.8791	.3037
12	.067	.5639	.5639	.5568	.6316	1.1641	.4022
13	.072	.7461	.7461	.7391	.8534	1.5734	.5434
14	.078	1.0154	1.0154	1.0084	1.1970	2.2062	.7622
15	.083	.9857	.9857	.9787	1.2042	2.2195	.7668
16	.089	1.0291	1.0291	1.0221	1.3128	2.4197	.8359
17	.094	1.4144	1.4144	1.4074	1.9015	3.5085	1.2121
18	.100	1.3238	1.3238	1.3168	1.8800	3.4650	1.1970
19	.106	.7474	.7474	.7403	1.1248	2.0732	.7162
20	.111	.4697	.4697	.4626	.7514	1.3849	.4784
21	.117	.5261	.5261	.5190	.9099	1.6688	.5765
22	.122	.6613	.6613	.6543	1.2319	2.2705	.7844
23	.128	.6471	.6471	.6401	1.3068	2.4086	.8321
24	.133	.4722	.4722	.4652	1.0946	2.0172	.6969
25	.139	.3183	.3183	.3113	.7580	1.3971	.4827
26	.144	.2515	.2515	.2448	.6543	1.2060	.4166
27	.150	.1903	.1903	.1833	.5411	.9972	.3445
28	.156	.1111	.1111	.1041	.3407	.6279	.2169
29	.161	.0836	.0836	.0765	.2787	.5136	.1774
30	.167	.0890	.0890	.0820	.3337	.6151	.2125
31	.172	.0890	.0890	.0820	.3742	.6897	.2383
32	.178	.0754	.0754	.0684	.3526	.6498	.2241
33	.183	.0578	.0578	.0507	.2933	.5442	.1860
34	.189	.0437	.0437	.0367	.2426	.4471	.1545
35	.194	.0438	.0438	.0368	.2775	.5115	.1767
36	.200	.0516	.0516	.0446	.3846	.7092	.2450
37	.206	.0431	.0431	.0361	.2977	.5543	.2278
38	.211	.0264	.0264	.0194	.2217	.4086	.1411
39	.217	.0182	.0182	.0112	.1483	.2734	.0944
40	.222	.0205	.0205	.0135	.0135	.0249	.0086
41	.228	.0234	.0223	.0153	.0153	.0283	.0098
42	.233	.0230	.0223	.0153	.0153	.0282	.0097
43	.239	.0199	.0200	.0130	.0116	.0234	.0083
44	.244	.0156	.0172	.0102	.0102	.0187	.0065
45	.250	.0149	.0177	.0106	.0106	.0196	.0068
46	.256	.0196	.0175	.0105	.0105	.0193	.0067
47	.261	.0115	.0129	.0059	.0054	.0099	.0034
48	.267	.0054	.0071	.0000	.0000	.0001	.0000
49	.272	.0055	.0060	.0000	.0000	.0000	.0000
50	.278	.0083	.0077	.0007	.0007	.0012	.0004
51	.283	.0070	.0087	.0017	.0017	.0031	.0011
52	.289	.0063	.0085	.0014	.0014	.0027	.0009
53	.294	.0086	.0081	.0011	.0013	.0023	.0008
54	.300	.0078	.0077	.0007	.0007	.0012	.0004
55	.306	.0069	.0067	.0000	.0000	.0000	.0000
56	.311	.0063	.0061	.0000	.0000	.0000	.0000
57	.317	.0060	.0061	.0000	.0000	.0000	.0000
58	.322	.0066	.0064	.0000	.0000	.0000	.0000
59	.328	.0063	.0067	.0000	.0000	.0000	.0000
60	.333	.0061	.0067	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 21/1/58 AV. T= 8.3 RECORD = 06 12
HOUR = 18 SIG.HGT. = 17.3
TOTAL OF =200 CORR. VAR. = 19.2
NOISE LEVEL = .0099 WIND SPEED = 30

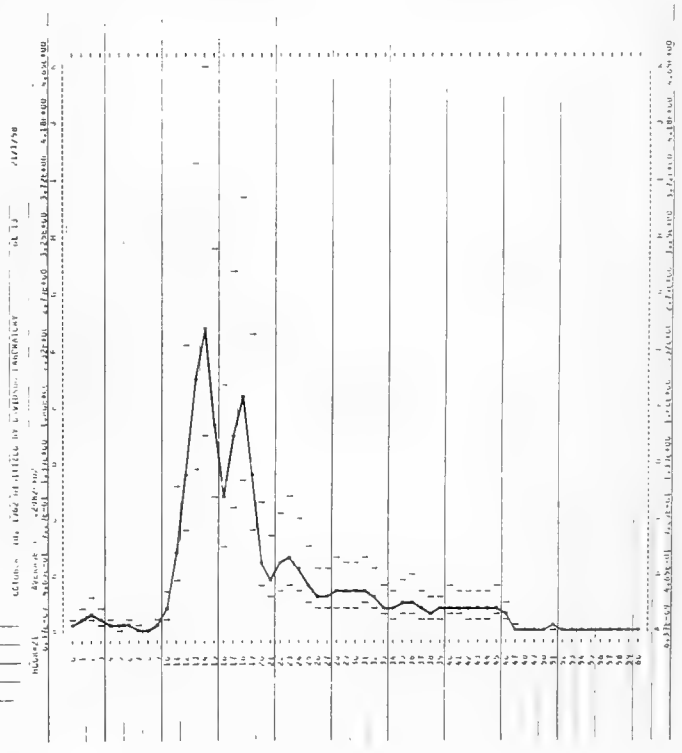
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0288	.0288	.0188	.0188	.0347	.0126
1	.006	.0423	.0423	.0324	.0324	.0596	.0266
2	.011	.0723	.0723	.0624	.0624	.1150	.0397
3	.017	.0872	.0872	.0773	.0773	.1424	.0492
4	.022	.0776	.0776	.0677	.0677	.1247	.0431
5	.028	.0667	.0667	.0568	.0568	.1004	.0344
6	.033	.0477	.0477	.0378	.0411	.0728	.0189
7	.039	.0300	.0300	.0200	.0275	.0507	.0175
8	.044	.0222	.0222	.0123	.0153	.0283	.0098
9	.050	.0197	.0197	.0098	.0115	.0211	.0073
10	.056	.0357	.0357	.0257	.0293	.0541	.0187
11	.061	.2781	.2781	.2682	.3628	.5582	.1928
12	.067	.8552	.8552	.8453	1.4586	1.7872	.6105
13	.072	1.2988	1.2988	1.2887	1.4886	2.7426	.9478
14	.078	1.1654	1.1654	1.1555	1.3715	2.5279	.8733
15	.083	.8858	.8858	.8757	1.0274	1.9854	.6860
16	.089	.9861	.9861	.9762	1.2537	2.3112	.7946
17	.094	1.2548	1.2548	1.2449	1.6811	3.0786	1.0704
18	.100	1.0683	1.0683	1.0583	1.5116	2.7850	.9681
19	.106	.5944	.5944	.5845	.8506	1.5686	.5412
20	.111	.4146	.4146	.4046	.5572	1.2113	.4106
21	.117	.3805	.3805	.3706	.4884	1.1715	.4116
22	.122	.2923	.2923	.2824	.3317	.9749	.3365
23	.128	.3670	.3670	.3571	.7289	1.3638	.4841
24	.133	.4085	.4085	.3986	.6866	1.0342	.5846
25	.139	.2416	.2416	.2316	.3696	1.0395	.2521
26	.144	.1467	.1467	.1368	.2080	.4740	.1331
27	.150	.1602	.1602	.1502	.4436	.8176	.2864
28	.156	.1339	.1339	.1240	.4058	.7480	.2584
29	.161	.1078	.1078	.0978	.2555	.4532	.2264
30	.167	.0739	.0739	.0639	.2063	.4798	.1657
31	.172	.0500	.0500	.0400	.1866	.3870	.1104
32	.178	.0480	.0480	.0381	.1555	.3011	.1242
33	.183	.0439	.0439	.0339	.1474	.3038	.1257
34	.189	.0322	.0322	.0222	.1474	.2709	.0926
35	.194	.0467	.0467	.0368	.2771	.5108	.1765
36	.200	.0667	.0667	.0568	.4965	.9040	.3123
37	.206	.0511	.0511	.0412	.4682	.7924	.2744
38	.211	.0310	.0310	.0211	.2413	.4448	.1536
39	.217	.0245	.0245	.0145	.1928	.3334	.1228
40	.222	.0237	.0237	.0137	.0137	.0253	.0087
41	.228	.0247	.0247	.0174	.0174	.0320	.0110
42	.233	.0272	.0281	.0182	.0182	.0298	.0113
43	.239	.0187	.0205	.0105	.0105	.0194	.0067
44	.244	.0175	.0173	.0074	.0076	.0136	.0047
45	.250	.0154	.0155	.0056	.0056	.0103	.0036
46	.256	.0141	.0129	.0029	.0027	.0054	.0019
47	.261	.0108	.0114	.0014	.0014	.0027	.0009
48	.267	.0118	.0117	.0018	.0018	.0033	.0011
49	.272	.0130	.0125	.0026	.0026	.0048	.0017
50	.278	.0126	.0123	.0024	.0024	.0044	.0015
51	.283	.0109	.0110	.0011	.0011	.0020	.0007
52	.289	.0100	.0103	.0004	.0004	.0007	.0003
53	.294	.0115	.0107	.0008	.0007	.0015	.0005
54	.300	.0098	.0099	.0000	.0000	.0000	.0000
55	.306	.0078	.0084	.0000	.0000	.0000	.0000
56	.311	.0083	.0083	.0000	.0000	.0000	.0000
57	.317	.0086	.0084	.0000	.0000	.0000	.0000
58	.322	.0095	.0097	.0000	.0000	.0000	.0000
59	.328	.0111	.0108	.0008	.0008	.0013	.0005
60	.333	.0117	.0114	.0014	.0014	.0026	.0004



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 21/1/58 AV. T= 8.3 RECORD = 06 13
HOUR = 21 SIG.HGT. = 14.1
TOTAL OF =180 CORR. VAR. = 22.0
NOISE LEVEL = .0057 WIND SPEED = 25

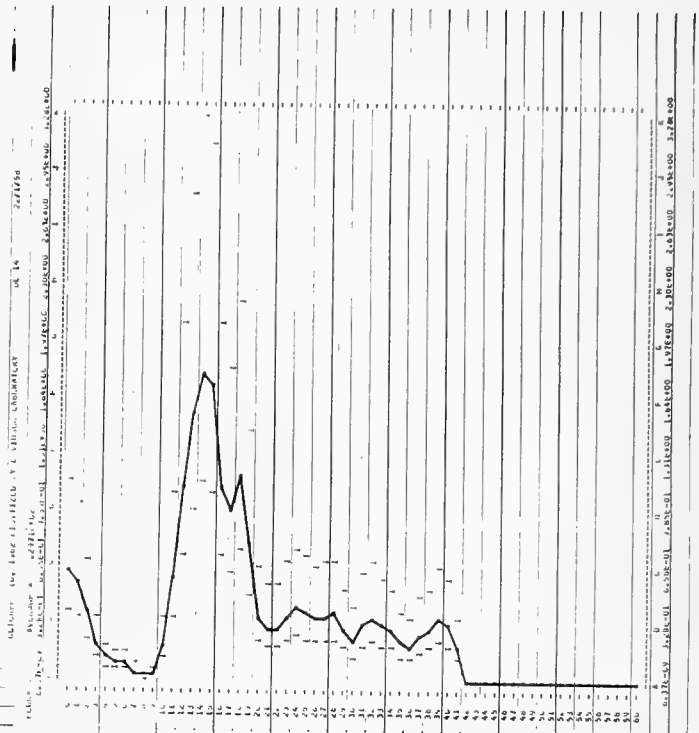
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0862	.0862	.0763	.0763	.1037	.0356
1	.006	.1161	.1161	.1122	.1122	.2068	.0714
2	.011	.1637	.1637	.1578	.1578	.2904	.1065
3	.017	.1101	.1101	.1042	.1042	.1921	.0664
4	.022	.0525	.0523	.0466	.0466	.0859	.0297
5	.028	.0418	.0418	.0359	.0359	.0661	.0229
6	.033	.0377	.0377	.0318	.0313	.0576	.0367
7	.039	.0180	.0180	.0122	.0167	.0308	.0106
8	.044	.0130	.0130	.0074	.0123	.0226	.0078
9	.050	.0106	.0116	.0067	.0066	.0252	.0026
10	.056	.1586	.1586	.1527	.1741	.3208	.1108
11	.061	.5973	.5973	.5914	.6618	1.2188	.4232
12	.067	1.1446	1.1446	1.1387	1.2917	2.3787	.8215
13	.072	1.8107	1.8107	1.8048	2.0841	3.8410	1.3269
14	.078	2.1299	2.1299	2.1241	2.3213	4.4470	1.5054
15	.083	1.4070	1.4070	1.4011	1.7240	3.1775	1.0977
16	.089	.8750	.8750	.8691	1.1163	2.0576	.7148
17	.094	1.1969	1.1969	1.1910	1.4682	2.7044	1.0241
18	.100	1.3726	1.3726	1.3667	1.6512	3.0383	1.2464
19	.106	.8776	.8776	.8717	1.1244	2.0411	.8433
20	.111	.3572	.3572	.3513	.5768	1.0518	.3833
21	.117	.2658	.2658	.2599	.4185	.7715	.2865
22	.122	.2925	.2925	.2866	.3596	.9963	.3436
23	.128	.3079	.3079	.3020	.6186	1.1185	.3946
24	.133	.2342	.2342	.2283	.3677	.6758	.2323
25	.139	.1570	.1570	.1511	.3880	.6782	.2343
26	.144	.1118	.1118	.1059	.2833	.5226	.1865
27	.150	.1013	.1013	.0954	.2817	.5182	.1794
28	.156	.1044	.1044	.0985	.3224	.5943	.2053
29	.161	.0965	.0965	.0967	.3083	.5682	.1903
30	.167	.0823	.0823	.0764	.2112	.3737	.1962
31	.172	.0787	.0787	.0729	.2328	.6131	.2118
32	.178	.0808	.0808	.0749	.2826	.5208	.1749
33	.183	.0411	.0411	.0352	.2651	.3786	.1306
34	.189	.0328	.0328	.0269	.1781	.3283	.1134
35	.194	.0372	.0372	.0313	.2336	.4347	.1502
36	.200	.0341	.0341	.0282	.2430	.4490	.1521
37	.206	.0231	.0231	.0172	.1705	.3142	.1065
38	.211	.0181	.0181	.0122	.1354	.2370	.0868
39	.217	.0182	.0182	.0123	.1022	.1604	.0594
40	.222	.0183	.0183	.0124	.1513	.3525	.1218
41	.228	.0160	.0161	.0102	.1838	.3387	.1170
42	.233	.0138	.0140	.0081	.1714	.3164	.1095
43	.239	.0122	.0149	.0066	.1651	.3043	.1051
44	.244	.0122	.0120	.0061	.1784	.3296	.1139
45	.250	.0122	.0114	.0055	.1634	.3163	.1232
46	.256	.0091	.0092	.0033	.1355	.2497	.0863
47	.261	.0055	.0062	.0003	.0173	.0319	.0110
48	.267	.0043	.0048	.0000	.0000	.0000	.0000
49	.272	.0050	.0050	.0000	.0000	.0000	.0000
50	.278	.0064	.0060	.0001	.0075	.0139	.0048
51	.283	.0062	.0061	.0002	.0259	.0478	.0164
52	.289	.0052	.0058	.0000	.0000	.0000	.0000
53	.294	.0068	.0065	.0007	.0007	.0012	.0004
54	.300	.0080	.0074	.0015	.0015	.0028	.0010
55	.306	.0069	.0076	.0011	.0011	.0020	.0007
56	.311	.0057	.0059	.0001	.0001	.0001	.0000
57	.317	.0053	.0054	.0000	.0000	.0000	.0000
58	.322	.0053	.0052	.0000	.0000	.0000	.0000
59	.328	.0048	.0049	.0000	.0000	.0000	.0000
60	.333	.0043	.0046	.0000	.0000	.0000	.0000



SPECTRA HEADLASTING OCTOBER 10, 1966 DIGITIZED BY DAVIDSON LABORATORY

DATE = 66/10/10 — AVG TO — RECORD = 14
MEAN = 3 — STD.DEVI. = 17.4
TOTAL OF =231 — LOWER VALUE = 2641
NOISE LEVEL = .0000 — WIND SPEED = 26

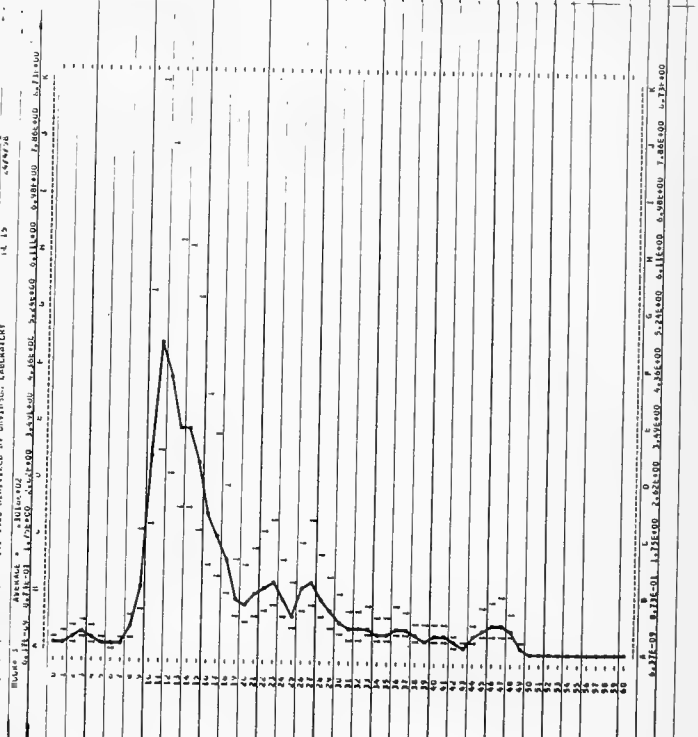
N	FREQ	UNITAPE.2	FILTERED	LESS NOISE	LOWER.FT.2	UPPER	LOWER
0	.000	.6293	.6293	.6227	.6227	1.1477	.3265
1	.006	.5671	.5671	.5605	.5605	1.0330	.2959
2	.011	.3850	.3781	.3715	.3793	.6973	.2469
3	.017	.2042	.2042	.1975	.1975	.3641	.1258
4	.022	.1215	.1215	.1149	.1149	.2118	.0732
5	.028	.0891	.0891	.0825	.0825	.1520	.0525
6	.033	.0641	.0641	.0575	.0926	.1711	.0591
7	.039	.0397	.0397	.0332	.0557	.0984	.0291
8	.044	.0269	.0269	.0202	.0297	.0464	.0166
9	.050	.0194	.0194	.0127	.0385	.0709	.0245
10	.056	.1716	.1716	.1649	.1886	.3465	.1197
11	.061	.2460	.2460	.2394	.2956	.5.0804	.2734
12	.067	.4986	.4986	.4920	1.1229	2.6697	.7150
13	.072	1.3205	1.3205	1.3139	1.3279	2.0154	.9726
14	.078	1.5069	1.5069	1.5003	1.7806	3.2923	1.1339
15	.083	1.3848	1.3848	1.3782	1.6932	3.1493	1.0747
16	.089	.8773	.8773	.8707	1.1183	2.0613	.7161
17	.094	.7278	.7278	.7212	.9735	1.7950	.6201
18	.100	.8368	.8368	.8301	1.1852	2.1845	.7547
19	.106	.9102	.9102	.9035	.7787	1.4352	.6491
20	.111	.6238	.6172	.6106	.8927	1.6451	.5686
21	.117	.1849	.1849	.1783	.2653	.5701	.1969
22	.122	.1716	.1716	.1650	.2311	.5732	.1980
23	.128	.1860	.1860	.1793	.2502	.6021	.2357
24	.133	.1943	.1943	.1876	.4174	.7093	.2928
25	.139	.1654	.1654	.1587	.2853	.7124	.2461
26	.144	.1384	.1384	.1317	.2526	.6496	.2265
27	.150	.1315	.1315	.1249	.2687	.6796	.2368
28	.156	.1222	.1222	.1156	.3782	.6370	.2488
29	.161	.0863	.0863	.0797	.4901	.2367	.1847
30	.167	.0635	.0635	.0569	.2316	.4270	.1475
31	.172	.0796	.0796	.0729	.3349	.6136	.2120
32	.178	.0700	.0700	.0723	.2724	.6784	.2371
33	.183	.0604	.0604	.0537	.3126	.5761	.1946
34	.189	.0565	.0565	.0438	.2892	.5344	.1846
35	.194	.0552	.0552	.0286	.2452	.4384	.1371
36	.200	.0299	.0299	.0232	.2054	.3694	.1276
37	.206	.0339	.0339	.0272	.2054	.4274	.1718
38	.211	.0303	.0303	.0236	.2235	.5409	.1804
39	.217	.0341	.0341	.0274	.3638	.6704	.2316
40	.222	.0279	.0279	.0213	.3262	.6096	.2090
41	.228	.0191	.0178	.0112	.1781	.3655	.1263
42	.233	.0112	.0124	.0058	.0958	.1706	.0657
43	.239	.0122	.0122	.0056	.1036	.2103	.0835
44	.244	.0137	.0128	.0061	.0661	.1113	.0339
45	.250	.0111	.0112	.0045	.0965	.1084	.0479
46	.256	.0062	.0068	.0022	.0622	.0940	.0419
47	.261	.0073	.0078	.0032	.0614	.1622	.0008
48	.267	.0080	.0081	.0014	.0614	.0620	.0009
49	.272	.0093	.0089	.0022	.0022	.0041	.0014
50	.278	.0067	.0069	.0019	.0019	.0035	.0017
51	.283	.0064	.0069	.0019	.0003	.0005	.0002
52	.289	.0054	.0060	.0000	.0000	.0000	.0000
53	.294	.0067	.0066	.0000	.0000	.0000	.0000
54	.300	.0081	.0076	.0009	.0017	.0046	.0006
55	.306	.0075	.0068	.0000	.0000	.0000	.0000
56	.311	.0060	.0060	.0000	.0000	.0000	.0000
57	.317	.0062	.0051	.0000	.0000	.0000	.0000
58	.322	.0070	.0064	.0000	.0000	.0000	.0000
59	.328	.0078	.0074	.0008	.0018	.0034	.0005
60	.333	.0061	.0070	.0003	.0000	.0000	.0000



SPECTRA HEADLASTING OCTOBER 10, 1966 DIGITIZED BY DAVIDSON LABORATORY

DATE = 66/10/10 — AVG TO — RECORD = 15
MEAN = 3 — STD.DEVI. = 2660
TOTAL OF =194 — LOWER VALUE = 4643
NOISE LEVEL = .0110 — WIND SPEED = 35

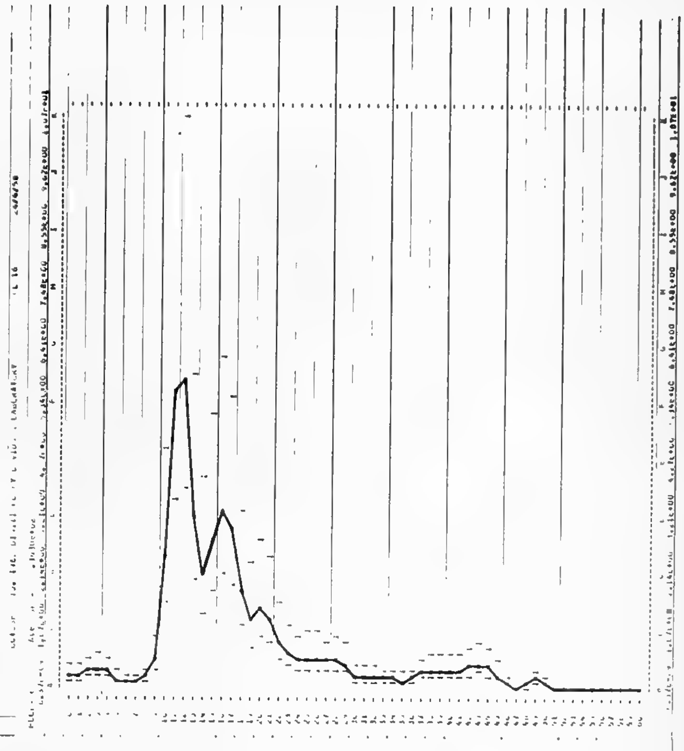
N	FREQ	UNITAPE.2	FILTERED	LESS NOISE	LOWER.FT.2	UPPER	LOWER
0	.000	.6849	.6849	.6781	.6781	.1434	.0497
1	.006	.1320	.1345	.1201	.1761	.4214	.0765
2	.011	.2143	.2143	.2025	.2025	.3732	.1269
3	.017	.2425	.2425	.2367	.2367	.4362	.1567
4	.022	.1606	.2006	.1888	.1888	.3471	.1202
5	.028	.1180	.1180	.1041	.1041	.1920	.0663
6	.033	.0957	.0957	.0784	.0628	.1157	.0400
7	.039	.0634	.0634	.0320	.0715	.1318	.0455
8	.044	.0360	.0360	.0202	.0202	.0369	.0152
9	.050	.0331	.0331	.0212	.0984	.1.8212	.0722
10	.056	.0400	.0400	2.0281	2.9558	5.5217	1.9078
11	.061	5.2014	5.2014	5.1941	5.2352	9.7282	3.0133
12	.067	3.7138	3.7138	3.7071	4.1952	7.7347	2.6738
13	.072	2.2466	2.2466	2.2393	3.3883	6.2651	2.1574
14	.078	2.8867	2.8867	2.8808	3.2873	6.1065	2.1441
15	.083	2.3816	2.3816	2.3747	2.9157	5.3761	1.8566
16	.089	1.6557	1.6557	1.6489	2.1113	3.8911	1.3445
17	.094	1.2316	1.2316	1.2198	1.6823	3.1050	1.1348
18	.100	.9883	.9883	.9804	1.3655	2.5188	.8855
19	.106	.2181	.2181	.2063	.7642	1.4178	.4898
20	.111	.4584	.4584	.4466	.7253	1.3367	.4618
21	.117	.3011	.3011	.2893	.4533	.9731	.3435
22	.122	.5235	.5235	.5217	.5822	1.0104	.4254
23	.128	.5467	.5467	.5289	1.4797	1.4900	.6825
24	.133	.3521	.3521	.3403	.4569	1.3151	.4820
25	.139	.2365	.2365	.2247	.3471	1.0084	.3606
26	.144	.3558	.3558	.3439	.9200	1.6957	.5858
27	.150	.3732	.3732	.3614	1.0668	1.7963	.6783
28	.156	.4539	.4539	.4421	.7922	1.4602	.5045
29	.161	.1296	.1296	.1177	.4168	1.1259	.3849
30	.167	.1247	.1247	.1129	.4597	.4473	.2067
31	.172	.0816	.0816	.0698	.3185	.5871	.2028
32	.178	.0762	.0762	.0644	.3316	.6111	.2111
33	.183	.0747	.0747	.0628	.2655	.5737	.2368
34	.189	.0545	.0545	.0426	.2818	.5195	.1795
35	.194	.0480	.0480	.0362	.4726	.5027	.1737
36	.200	.0553	.0553	.0434	.3751	.6914	.2308
37	.206	.0470	.0470	.0352	.3452	.6435	.2243
38	.211	.0344	.0344	.0226	.4588	.4771	.1848
39	.217	.0261	.0261	.0142	.4155	.3972	.1372
40	.222	.0287	.0287	.0168	.4598	.4789	.1654
41	.228	.0259	.0248	.0130	.4337	.4367	.1488
42	.233	.0169	.0188	.0069	.1408	.2702	.0934
43	.239	.0147	.0165	.0046	.1348	.2115	.0721
44	.244	.0213	.0199	.0081	.1385	.4187	.1516
45	.250	.0232	.0225	.0107	.3719	.6894	.2368
46	.256	.0204	.0204	.0105	.4373	.8054	.2784
47	.261	.0260	.0214	.0095	.4721	.8702	.3006
48	.267	.0176	.0177	.0059	.3498	.6447	.2227
49	.272	.0118	.0130	.0012	.0825	.1520	.0525
50	.278	.0102	.0117	.0000	.0000	.0000	.0000
51	.283	.0106	.0106	.0000	.0000	.0000	.0000
52	.289	.0117	.0116	.0000	.0000	.0000	.0000
53	.294	.0137	.0131	.0013	.0013	.0024	.0008
54	.300	.0136	.0134	.0016	.0016	.0029	.0010
55	.306	.0167	.0159	.0041	.0041	.0020	.0012
56	.311	.0131	.0128	.0009	.0009	.0017	.0006
57	.317	.0122	.0122	.0003	.0003	.0006	.0002
58	.322	.0110	.0112	.0000	.0000	.0000	.0000
59	.328	.0103	.0103	.0000	.0000	.0000	.0000
60	.333	.0098	.0101	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/58 AV. T= 9.9 RECORD = OL 16
HOUR = 6 SIG.HGT. = 21.3
TOTAL CP =169 CORR. VAR. = 46.6
NOISE LEVEL = .0076 WIND SPEED = 60

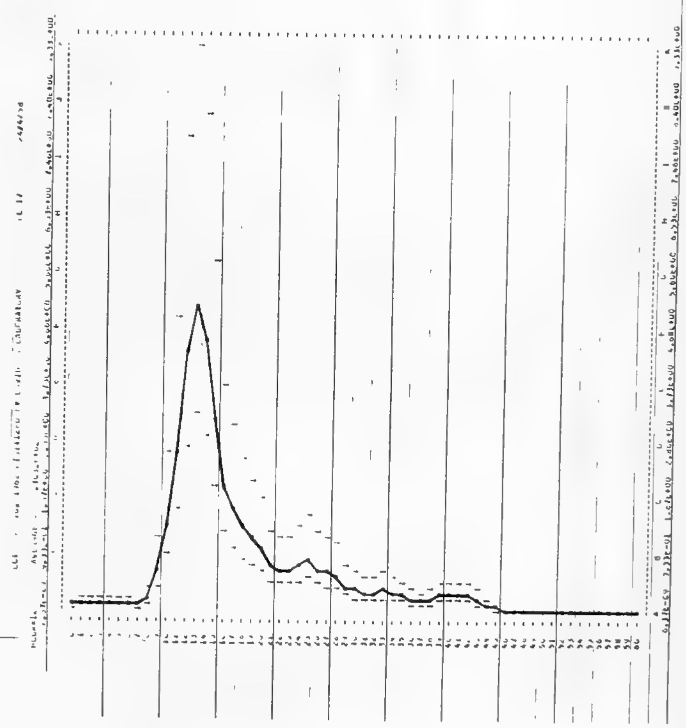
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2370	.2370	.2236	.2296	.4228	.1461
1	.006	.2578	.2578	.2502	.2962	.4612	.1993
2	.011	.3097	.3097	.3021	.3021	.5568	.1923
3	.017	.3365	.3365	.3289	.3289	.6962	.2096
4	.022	.2750	.2750	.2674	.2674	.4929	.1703
5	.028	.1661	.1661	.1585	.1585	.2921	.1009
6	.033	.0924	.0924	.0848	.1376	.2525	.0872
7	.039	.0830	.0830	.0754	.1036	.1909	.0659
8	.044	.1599	.1599	.1523	.1896	.3495	.1207
9	.050	.4616	.4616	.4540	.5333	.9829	.3396
10	.056	2.1660	2.1660	2.1584	2.4664	4.5349	1.5666
11	.061	4.9746	4.9746	4.1670	5.6082	10.3368	3.5710
12	.067	5.1184	5.1164	5.1108	5.7972	10.6450	3.6913
13	.072	2.7679	2.7679	2.7603	3.1073	5.6746	2.0245
14	.078	1.8056	1.8056	1.7980	2.1342	3.9336	1.3589
15	.083	2.2870	2.2870	2.2794	2.8046	5.1692	1.7858
16	.089	2.6038	2.6038	2.5962	3.3348	6.1465	2.1234
17	.094	2.1849	2.1849	2.1773	2.9462	5.4193	1.8762
18	.100	1.2636	1.2636	1.2560	1.7932	3.3052	1.1418
19	.106	.8310	.8310	.8234	1.2510	2.3059	.7966
20	.111	.9437	.9437	.9363	1.5206	2.8026	.9682
21	.117	.7666	.7666	.7588	1.3236	2.4397	.8426
22	.122	.4556	.4556	.4480	.8435	1.5548	.5371
23	.128	.3269	.3269	.3193	.6517	1.2015	.4151
24	.133	.2453	.2453	.2377	.5286	.9743	.3366
25	.139	.2349	.2349	.2273	.5535	1.0201	.3524
26	.144	.2176	.2176	.2100	.5619	1.0357	.3578
27	.150	.1742	.1742	.1666	.4926	.9067	.3132
28	.156	.1589	.1589	.1513	.4952	.9128	.3153
29	.161	.1274	.1274	.1198	.4361	.8038	.2777
30	.167	.0692	.0692	.0616	.2508	.4622	.1597
31	.172	.0585	.0585	.0509	.2322	.4280	.1479
32	.178	.0560	.0566	.0490	.2492	.4593	.1567
33	.183	.0408	.0406	.0332	.1932	.3561	.1230
34	.189	.0338	.0338	.0261	.1729	.3187	.1101
35	.194	.0271	.0271	.0195	.1466	.2706	.0935
36	.200	.0303	.0303	.0227	.1963	.3619	.1250
37	.206	.0362	.0362	.0286	.2834	.5232	.1808
38	.211	.0379	.0379	.0303	.3466	.6388	.2207
39	.217	.0353	.0353	.0277	.3679	.6781	.2342
40	.222	.0299	.0299	.0223	.3436	.6336	.2188
41	.228	.0269	.0267	.0191	.3432	.6325	.2185
42	.233	.0279	.0269	.0193	.4069	.7500	.2591
43	.239	.0267	.0266	.0192	.4778	.8806	.3042
44	.244	.0213	.0217	.0140	.4123	.7599	.2625
45	.250	.0144	.0151	.0075	.2612	.4815	.1663
46	.256	.0075	.0104	.0026	.1154	.2127	.0735
47	.261	.0072	.0082	.0006	.0282	.0519	.0179
48	.267	.0069	.0087	.0011	.0661	.1219	.0421
49	.272	.0108	.0099	.0023	.1649	.3037	.1050
50	.278	.0092	.0092	.0016	.1347	.2483	.0858
51	.283	.0063	.0074	.0000	.0000	.0000	.0000
52	.289	.0077	.0076	.0000	.0000	.0000	.0000
53	.294	.0097	.0089	.0013	.0013	.0023	.0008
54	.300	.0078	.0083	.0007	.0007	.0013	.0005
55	.306	.0079	.0080	.0004	.0004	.0007	.0002
56	.311	.0070	.0084	.0008	.0008	.0014	.0005
57	.317	.0072	.0076	.0000	.0000	.0000	.0000
58	.322	.0070	.0070	.0000	.0000	.0000	.0000
59	.328	.0055	.0067	.0000	.0000	.0000	.0000
60	.333	.0048	.0063	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/58 AV. T= 9.. RECORD = OL 17
HOUR = 12 SIG.HGT. = 25.2
TOTAL CP =158 CORR. VAR. = 39.7
NOISE LEVEL = .0122 WIND SPEED = 40

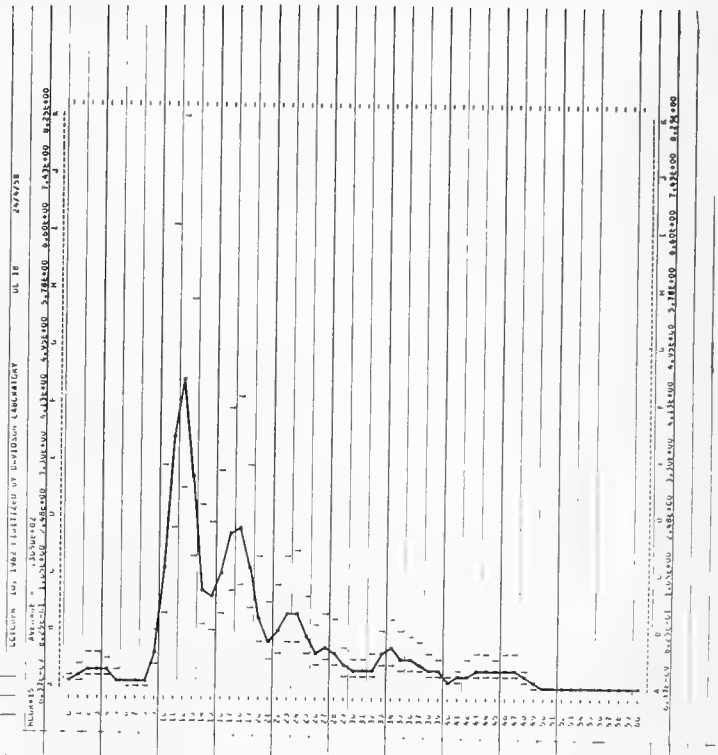
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0772	.0772	.0650	.0650	.1197	.0414
1	.006	.1024	.1024	.0902	.0902	.1662	.0574
2	.011	.1336	.1336	.1214	.1214	.2237	.0773
3	.017	.1186	.1186	.1063	.1063	.1960	.0677
4	.022	.0974	.0974	.0852	.0852	.1570	.0542
5	.028	.0923	.0923	.0801	.0801	.1476	.0510
6	.033	.0751	.0751	.0629	.1016	.1873	.0647
7	.039	.0580	.0580	.0458	.0629	.1160	.0401
8	.044	.1724	.1724	.1601	.1994	.3675	.1270
9	.050	.5618	.5618	.5495	.6455	1.1897	.4110
10	.056	1.2462	1.2462	1.2340	1.4065	2.5368	.8971
11	.061	2.3574	2.3574	2.3452	2.6486	4.8806	1.6861
12	.067	3.7585	3.7585	3.7463	4.2494	7.8323	2.7058
13	.072	4.3950	4.3950	4.3828	5.0606	9.3279	3.2224
14	.078	3.7837	3.7837	3.7715	4.4767	8.2513	2.8505
15	.083	2.5742	2.5742	2.5620	3.1523	5.8101	2.0072
16	.089	1.5996	1.5996	1.5874	2.0340	3.7581	1.2963
17	.094	1.2362	1.2362	1.2240	1.6528	3.0464	1.0524
18	.100	.9748	.9748	.9625	1.3742	2.5328	.8750
19	.106	.7937	.7937	.7815	1.1873	2.1883	.7560
20	.111	.6501	.6501	.6379	1.0359	1.9094	.6596
21	.117	.4213	.4213	.4090	.7135	1.3151	.4543
22	.122	.3742	.3742	.3620	.6815	1.2562	.4340
23	.128	.3458	.3458	.3336	.6805	1.2551	.4336
24	.133	.3558	.3558	.3435	.7661	1.4084	.4865
25	.139	.3642	.3642	.3520	.8571	1.5797	.5457
26	.144	.2680	.2680	.2558	.6846	1.2618	.4359
27	.150	.2297	.2297	.2175	.6420	1.1833	.4088
28	.156	.1946	.1946	.1824	.5966	1.1001	.3800
29	.161	.1209	.1209	.1087	.3957	.7294	.2520
30	.167	.0556	.0556	.0434	.3395	.6258	.2162
31	.172	.0837	.0837	.0714	.3261	.6010	.2076
32	.178	.0743	.0743	.0620	.3193	.5886	.2033
33	.183	.0740	.0740	.0617	.3593	.6622	.2288
34	.189	.0562	.0562	.0440	.2911	.5365	.1853
35	.194	.0441	.0441	.0318	.2399	.4421	.1527
36	.200	.0365	.0365	.0243	.2096	.3866	.1336
37	.206	.0293	.0293	.0170	.1688	.3111	.1075
38	.211	.0295	.0295	.0173	.1975	.3641	.1260
39	.217	.0298	.0298	.0176	.2332	.4294	.1485
40	.222	.0288	.0288	.0165	.2548	.4697	.1623
41	.228	.0276	.0273	.0151	.2711	.4996	.1726
42	.233	.0264	.0251	.0129	.2724	.5021	.1735
43	.239	.0193	.0201	.0079	.1960	.3612	.1248
44	.244	.0144	.0155	.0033	.0956	.1763	.0609
45	.250	.0130	.0137	.0016	.0566	.1042	.0360
46	.256	.0155	.0150	.0027	.0027	.0050	.0017
47	.261	.0166	.0158	.0036	.0036	.0066	.0023
48	.267	.0137	.0147	.0025	.0025	.0046	.0016
49	.272	.0154	.0145	.0023	.0023	.0042	.0014
50	.278	.0136	.0133	.0011	.0011	.0021	.0007
51	.283	.0095	.0107	.0000	.0000	.0000	.0000
52	.289	.0104	.0105	.0000	.0000	.0000	.0000
53	.294	.0121	.0115	.0000	.0000	.0000	.0000
54	.300	.0108	.0113	.0000	.0000	.0000	.0000
55	.306	.0112	.0115	.0000	.0000	.0000	.0000
56	.311	.0128	.0126	.0006	.0006	.0010	.0004
57	.317	.0144	.0144	.0021	.0021	.0039	.0013
58	.322	.0175	.0158	.0035	.0035	.0065	.0022
59	.328	.0132	.0136	.0013	.0013	.0025	.0009
60	.333	.0075	.0164	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 10, 1982 DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/38 AV. T= 8.2 RECUND = DL 18
MEUR = 15 SIG.MET. = 24.6
TOTAL OF =1W7 CURR. VAR. = 17.4
NOISE LEVEL = .0069 WIND SPEED = 35

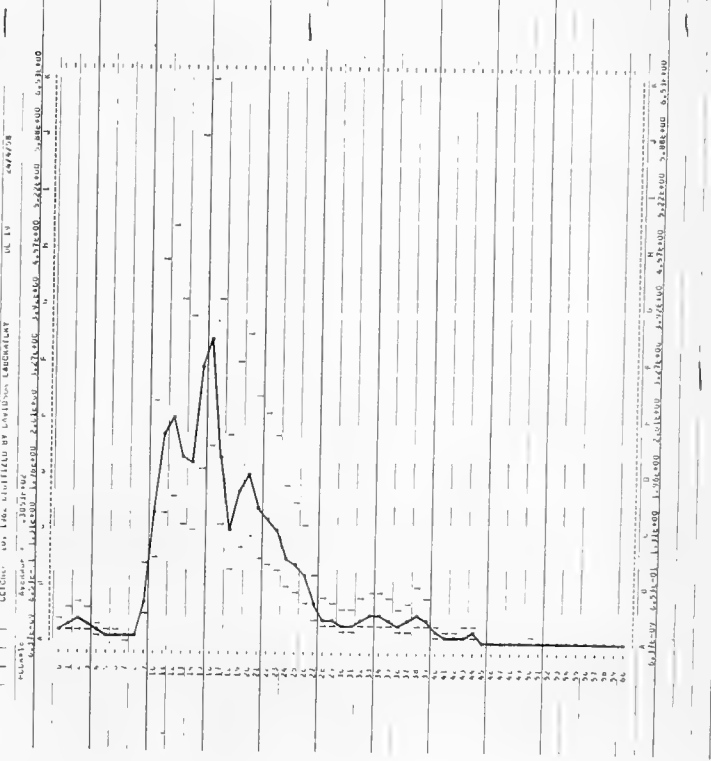
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.1069	.1069	.1CGC	.1CGC	.1844	.0637
1	.006	.1935	.1935	.1866	.1866	.3440	.1188
2	.011	.2897	.2897	.2828	.2828	.5212	.1841
3	.017	.2869	.2869	.2800	.2800	.5161	.1783
4	.022	.2284	.2284	.2215	.2215	.4083	.1411
5	.028	.1284	.1284	.1215	.1215	.2240	.0774
6	.033	.0440	.0440	.0301	.0383	.1075	.0322
7	.039	.0385	.0385	.0316	.0424	.0799	.0276
8	.044	.0476	.0476	.0405	.0564	.0930	.0321
9	.050	.1950	.1950	.1881	.4559	.8403	.2903
10	.056	1.5229	1.5229	1.5160	1.7281	3.1852	1.1004
11	.061	2.2009	2.2009	2.1941	3.6064	6.6471	2.2963
12	.067	3.4539	3.4539	3.4470	4.4770	8.2518	2.8507
13	.072	2.6296	2.6296	2.6227	3.6282	5.5813	1.9281
14	.078	1.2187	1.2187	1.2119	1.4385	2.6513	.9159
15	.083	1.0521	1.0521	1.0452	1.4800	2.3703	.8189
16	.089	1.3177	1.3177	1.3108	1.6837	3.1034	1.0721
17	.094	1.6271	1.6271	1.6202	2.1886	4.0327	1.3932
18	.100	1.6013	1.6013	1.5944	2.2763	4.1955	1.4496
19	.106	1.1888	1.1888	1.1819	1.7653	3.2537	1.1249
20	.111	.6355	.6355	.6286	1.0210	1.8818	.6501
21	.117	.3938	.3938	.3869	.6744	1.2440	.4297
22	.122	.4378	.4378	.4309	.8114	1.4954	.5166
23	.128	.5138	.5138	.5069	1.0349	1.9075	.6590
24	.133	.4893	.4893	.4824	1.0730	1.9777	.6832
25	.139	.3063	.3063	.2974	.7242	1.3348	.4611
26	.144	.1947	.1947	.1878	.5027	.9265	.3201
27	.150	.2050	.2050	.1981	.5848	1.0774	.3724
28	.156	.1648	.1648	.1579	.5164	.9527	.3291
29	.161	.0932	.0932	.0863	.3142	.5791	.2001
30	.167	.0655	.0655	.0586	.2387	.4400	.1520
31	.172	.0583	.0583	.0514	.2348	.4328	.1495
32	.178	.0587	.0587	.0518	.2606	.4915	.1698
33	.183	.0862	.0862	.0793	.4616	.8508	.2934
34	.189	.0894	.0894	.0825	.5457	1.0059	.3475
35	.194	.0656	.0656	.0587	.4424	.8155	.2817
36	.200	.0547	.0547	.0478	.4124	.7602	.2626
37	.206	.0416	.0416	.0347	.3645	.6350	.2194
38	.211	.0307	.0307	.0238	.2727	.5026	.1736
39	.217	.0236	.0236	.0167	.2215	.4083	.1410
40	.222	.0125	.0125	.0056	.0857	.1580	.0546
41	.228	.0134	.0140	.0071	.1273	.2346	.0810
42	.233	.0179	.0166	.0097	.2054	.3785	.1308
43	.239	.0178	.0173	.0104	.2591	.4775	.1650
44	.244	.0159	.0158	.0089	.2614	.4819	.1665
45	.250	.0127	.0137	.0068	.2359	.4348	.1502
46	.256	.0143	.0134	.0065	.2767	.4984	.1723
47	.261	.0129	.0124	.0055	.2737	.5045	.1743
48	.267	.0080	.0095	.0026	.1549	.2856	.0986
49	.272	.0080	.0078	.0009	.0644	.1188	.0410
50	.278	.0064	.0066	.0000	.0000	.0000	.0000
51	.283	.0068	.0058	.0000	.0000	.0000	.0000
52	.289	.0072	.0070	.0002	.0002	.0003	.0001
53	.294	.0100	.0090	.0021	.0021	.0039	.0014
54	.300	.0089	.0089	.0020	.0020	.0037	.0013
55	.306	.0078	.0078	.0009	.0009	.0017	.0006
56	.311	.0070	.0071	.0002	.0002	.0003	.0001
57	.317	.0068	.0066	.0000	.0000	.0000	.0000
58	.322	.0063	.0062	.0000	.0000	.0000	.0000
59	.328	.0054	.0055	.0000	.0000	.0000	.0000
60	.333	.0048	.0051	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 10, 1982 DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/38 AV. T= 9.4 RECUND = DL 19
MEUR = 18 SIG.MET. = 24.3
TOTAL OF =2GU CURR. VAR. = 37.8
NOISE LEVEL = .0083 WIND SPEED = 35

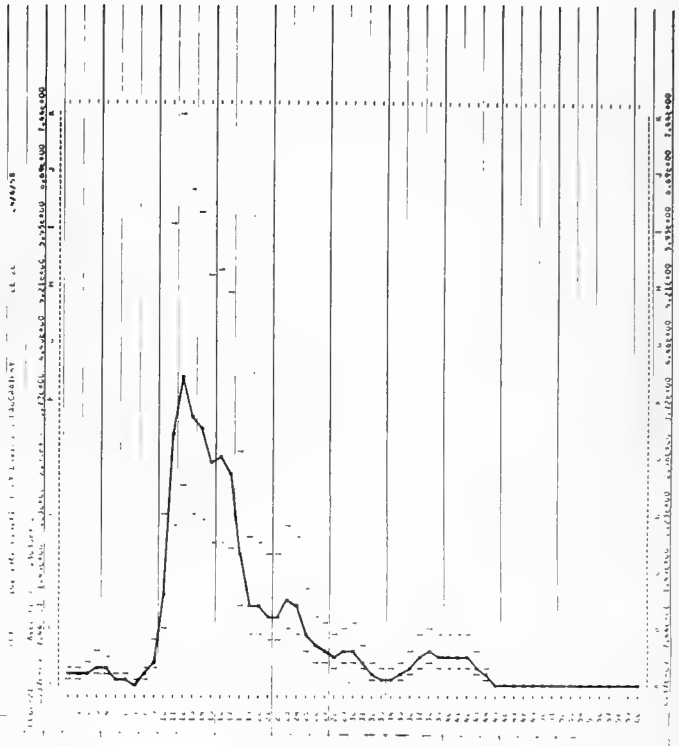
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CURR.FT.2	UPPER	LOWER
0	.000	.1666	.1666	.1583	.1583	.2919	.1048
1	.006	.2075	.2075	.1992	.1992	.3671	.1268
2	.011	.2504	.2504	.2421	.2421	.4462	.1541
3	.017	.2147	.2147	.2064	.2064	.3864	.1314
4	.022	.1297	.1297	.1214	.1214	.2258	.0773
5	.028	.0840	.0840	.0757	.0757	.1359	.0469
6	.033	.0816	.0816	.0533	.0862	.1588	.0544
7	.039	.0461	.0461	.0238	.0466	.0855	.0296
8	.044	.0304	.0304	.0221	.0525	.0967	.0334
9	.050	.0163	.0163	.0080	.0753	.0834	.0302
10	.056	1.3413	1.3413	1.3330	1.5194	2.8005	.9675
11	.061	2.1468	2.1468	2.1385	2.6078	4.8379	1.5231
12	.067	2.3186	2.3186	2.3103	4.6266	8.8302	3.0886
13	.072	1.8952	1.8952	1.8869	2.1784	4.1154	1.3874
14	.078	1.7541	1.7541	1.7458	2.0723	3.8196	1.3145
15	.083	2.2912	2.2912	2.2829	3.1786	5.8576	2.0236
16	.089	2.7665	2.7665	2.7582	3.5421	6.5301	2.2559
17	.094	1.6161	1.6161	1.6078	2.1712	4.0018	1.3825
18	.100	.9365	.9305	.9222	1.3167	2.4268	.8384
19	.106	1.1773	1.1773	1.1690	1.7780	3.2735	1.1309
20	.111	1.2134	1.2134	1.2051	1.9571	3.6073	1.2462
21	.117	.9118	.9118	.9035	1.3761	2.9050	1.0046
22	.122	.7814	.7814	.7731	1.4555	2.6928	.9268
23	.128	.6849	.6849	.6766	1.2415	2.3715	.8202
24	.133	.4536	.4536	.4453	.9964	1.8254	.6306
25	.139	.3758	.3758	.3675	.8940	1.6493	.5698
26	.144	.2838	.2838	.2755	.7533	1.3985	.4797
27	.150	.1556	.1556	.1473	.4349	.8015	.2769
28	.156	.0919	.0919	.0836	.2735	.5041	.1742
29	.161	.0653	.0653	.0570	.2021	.3832	.1324
30	.167	.0620	.0620	.0537	.2188	.4033	.1393
31	.172	.0555	.0555	.0472	.2154	.3970	.1371
32	.178	.0606	.0606	.0523	.2492	.4591	.1714
33	.183	.0659	.0659	.0576	.3352	.6179	.2134
34	.189	.0588	.0588	.0505	.3342	.6160	.2128
35	.194	.0498	.0498	.0375	.2928	.5212	.1801
36	.200	.0334	.0334	.0251	.2215	.4079	.1409
37	.206	.0343	.0343	.0260	.2377	.4380	.1513
38	.211	.0345	.0345	.0262	.2574	.4748	.1626
39	.217	.0249	.0249	.0166	.2064	.5274	.1824
40	.222	.0151	.0151	.0068	.1055	.1944	.0672
41	.228	.0142	.0127	.0044	.0462	.0910	.0318
42	.233	.0119	.0119	.0036	.0664	.1233	.0426
43	.239	.0126	.0121	.0038	.0836	.1724	.0596
44	.244	.0125	.0122	.0039	.1147	.2134	.0738
45	.250	.0101	.0111	.0028	.0052	.0080	.0018
46	.256	.0111	.0112	.0029	.0029	.0054	.0019
47	.261	.0127	.0124	.0041	.0041	.0076	.0026
48	.267	.0131	.0131	.0048	.0048	.0088	.0030
49	.272	.0147	.0145	.0042	.0042	.0078	.0027
50	.278	.0111	.0112	.0029	.0029	.0053	.0018
51	.283	.0075	.0074	.0013	.0013	.0025	.0009
52	.289	.0064	.0064	.0001	.0001	.0001	.0001
53	.294	.0078	.0078	.0000	.0000	.0000	.0000
54	.300	.0079	.0079	.0000	.0000	.0000	.0000
55	.306	.0149	.0121	.0038	.0038	.0071	.0024
56	.311	.0111	.0110	.0027	.0027	.0050	.0017
57	.317	.0071	.0074	.0000	.0000	.0000	.0000
58	.322	.0060	.0064	.0000	.0000	.0000	.0000
59	.328	.0053	.0054	.0000	.0000	.0000	.0000
60	.333	.0040	.0048	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 24/4/58   AV. T = 9.1   RECORD = UL 20
MEAN = 21   SIG.HGT. = 25.
TOTAL DF =178   CORR. VAR. = 19.8
NOISE LEVEL = .0126   WIND SPEED = 35

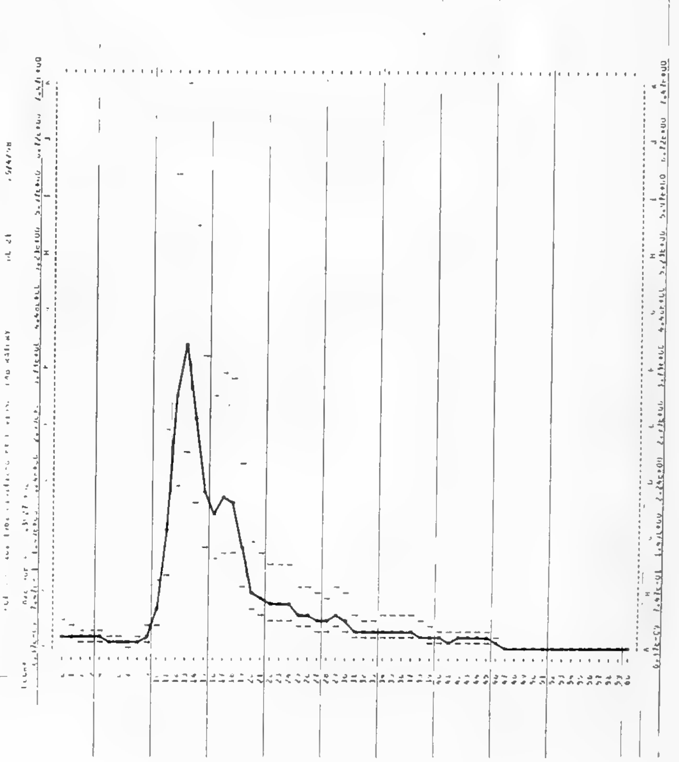
N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1300	.1100	.1174	.1174	.2164	.0748
1	.006	.1283	.1201	.1156	.1156	.2131	.0736
2	.011	.1802	.1802	.1755	.1755	.3735	.1118
3	.017	.2532	.2532	.2466	.2466	.4435	.1582
4	.022	.2044	.2044	.1968	.1968	.3626	.1251
5	.028	.1101	.1161	.1074	.1074	.1796	.0820
6	.033	.0563	.0581	.0456	.0717	.1158	.0469
7	.039	.0374	.0374	.0253	.0148	.0641	.0321
8	.044	.1060	.1080	.0996	.1187	.2189	.0756
9	.050	.2842	.2842	.2716	.2196	.5480	.2031
10	.056	1.0868	1.0868	1.0681	1.1170	2.2462	.7751
11	.061	2.9199	2.9196	2.9026	3.1796	6.0343	2.0864
12	.067	3.5702	3.5702	3.5576	4.0154	7.4174	2.5095
13	.072	3.0849	3.0849	3.0722	3.5744	6.4960	2.2441
14	.078	2.8392	2.8392	2.8265	3.3551	6.1839	2.1303
15	.083	2.3730	2.3730	2.3603	2.9042	5.3928	1.8442
16	.089	2.3184	2.3184	2.3057	2.9617	5.4566	1.8858
17	.094	2.0871	2.0871	2.0546	2.7746	5.1137	1.7667
18	.100	1.1849	1.1849	1.1722	1.6730	3.0846	1.0656
19	.106	.7124	.7126	.6998	1.0632	1.9597	.6776
20	.111	.6417	.6417	.6291	1.0217	1.8831	.6508
21	.117	.5401	.5401	.5274	.9201	1.6950	.5858
22	.122	.5008	.5008	.4882	.9151	1.6861	.5852
23	.128	.5600	.5600	.5474	1.1175	2.0597	.7116
24	.133	.4761	.4761	.4635	1.0310	1.9002	.6565
25	.139	.2930	.2930	.2803	.6926	1.2581	.4141
26	.144	.1959	.1959	.1913	.4965	.7061	.3163
27	.150	.1611	.1611	.1484	.4382	.8077	.2790
28	.156	.1161	.1161	.1034	.3456	.6357	.2197
29	.161	.1284	.1284	.1158	.4215	.7769	.2684
30	.167	.1264	.1264	.1138	.4613	.8539	.2950
31	.172	.0783	.0783	.0656	.2997	.5524	.1908
32	.178	.0456	.0456	.0329	.1695	.3124	.1079
33	.183	.0317	.0317	.0191	.1111	.2047	.0707
34	.189	.0293	.0293	.0167	.1162	.2030	.0701
35	.194	.0344	.0344	.0218	.1643	.3028	.1046
36	.200	.0397	.0397	.0270	.2175	.4364	.1467
37	.206	.0506	.0506	.0379	.3762	.6933	.2395
38	.211	.0496	.0496	.0369	.4228	.7793	.2692
39	.217	.0332	.0332	.0206	.3527	.6501	.2246
40	.222	.0352	.0352	.0225	.3474	.6404	.2212
41	.228	.0329	.0325	.0198	.3570	.6581	.2273
42	.233	.0302	.0270	.0163	.3447	.6354	.2195
43	.239	.0217	.0227	.0101	.2501	.4610	.1593
44	.244	.0192	.0172	.0046	.1346	.2481	.0857
45	.250	.0200	.0187	.0061	.0061	.0112	.0039
46	.256	.0225	.0206	.0073	.0079	.0146	.0050
47	.261	.0162	.0173	.0047	.0047	.0087	.0030
48	.267	.0124	.0145	.0018	.0018	.0034	.0012
49	.272	.0174	.0168	.0042	.0042	.0077	.0027
50	.278	.0231	.0200	.0074	.0074	.0137	.0047
51	.283	.0163	.0166	.0040	.0040	.0073	.0025
52	.289	.0084	.0106	.0000	.0000	.0000	.0000
53	.294	.0094	.0093	.0000	.0000	.0000	.0000
54	.300	.0098	.0100	.0000	.0000	.0000	.0000
55	.306	.0106	.0110	.0000	.0000	.0000	.0000
56	.311	.0132	.0130	.0003	.0003	.0006	.0002
57	.317	.0156	.0149	.0023	.0023	.0042	.0015
58	.322	.0164	.0155	.0028	.0028	.0052	.0018
59	.328	.0131	.0130	.0010	.0010	.0018	.0006
60	.333	.0106	.0118	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 25/4/58   AV. T = 9.   RECORD = UL 21
MEAN = 0   SIG.HGT. = 2.5
TOTAL DF =162   CORR. VAR. = 31.
NOISE LEVEL = .0101   WIND SPEED = 35

N	FREQ.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1938	.1338	.1437	.1437	.3166	.1176
1	.006	.1921	.1921	.1820	.1820	.3155	.1159
2	.011	.1493	.1493	.1392	.1392	.2565	.0886
3	.017	.1308	.1308	.1208	.1206	.2226	.0769
4	.022	.1391	.1391	.1290	.1290	.2377	.0821
5	.028	.0955	.0955	.0854	.0854	.1574	.0544
6	.033	.0563	.0563	.0468	.0756	.1393	.0481
7	.039	.0521	.0521	.0420	.0577	.1064	.0368
8	.044	.0599	.0597	.0498	.0621	.1144	.0395
9	.050	.1459	.1459	.1358	.1395	.2540	.1016
10	.056	.4388	.4388	.4287	.4867	.9107	.3114
11	.061	1.4028	1.4028	1.3528	1.4726	2.6985	1.0013
12	.067	2.9960	2.9960	2.8875	3.3932	6.2460	2.1580
13	.072	3.5179	3.5179	3.5078	4.0565	7.4656	2.5791
14	.078	2.5828	2.5828	2.5728	3.0539	5.6267	1.9445
15	.083	1.7128	1.7128	1.7029	2.0351	3.8615	1.3340
16	.089	1.4305	1.4305	1.4204	1.8245	3.3628	1.1617
17	.094	1.4754	1.4754	1.4653	1.9787	3.6471	1.2599
18	.100	1.3813	1.3813	1.3713	1.9576	3.6084	1.2466
19	.106	.8777	.8777	.8676	1.3182	2.4296	.8394
20	.111	.4862	.4862	.4761	.7732	1.4252	.4924
21	.117	.4136	.4136	.4035	.7039	1.2973	.4482
22	.122	.3227	.3227	.3126	.5986	1.0946	.3748
23	.128	.2968	.2968	.2867	.5894	1.0864	.3753
24	.133	.2802	.2802	.2701	.6008	1.1073	.3825
25	.139	.1977	.1977	.1877	.4565	.8422	.2909
26	.144	.1832	.1832	.1731	.4633	.8540	.2950
27	.150	.1478	.1478	.1378	.4067	.7496	.2590
28	.156	.1215	.1215	.1114	.3646	.6720	.2322
29	.161	.1371	.1371	.1270	.4625	.8525	.2945
30	.167	.1063	.1063	.0962	.3997	.7368	.2545
31	.172	.0647	.0647	.0546	.2492	.4593	.1587
32	.178	.0406	.0406	.0305	.1981	.3651	.1261
33	.183	.0436	.0436	.0335	.1950	.3595	.1242
34	.189	.0459	.0459	.0358	.2365	.4366	.1508
35	.194	.0434	.0434	.0333	.2513	.4632	.1600
36	.200	.0401	.0401	.0301	.2596	.4784	.1653
37	.206	.0362	.0362	.0262	.2594	.4780	.1651
38	.211	.0261	.0261	.0160	.1831	.3375	.1166
39	.217	.0218	.0218	.0117	.1555	.2867	.0990
40	.222	.0191	.0191	.0090	.1313	.2567	.0887
41	.228	.0147	.0161	.0060	.1087	.2004	.0692
42	.233	.0166	.0159	.0058	.1234	.2275	.0786
43	.239	.0161	.0158	.0057	.1467	.2494	.0896
44	.244	.0138	.0143	.0042	.1223	.2254	.0779
45	.250	.0139	.0133	.0033	.1133	.2089	.0722
46	.256	.0118	.0118	.0017	.0696	.1786	.0444
47	.261	.0070	.0095	.0000	.0000	.0000	.0000
48	.267	.0070	.0080	.0000	.0000	.0000	.0000
49	.272	.0083	.0091	.0000	.0000	.0000	.0000
50	.278	.0136	.0127	.0026	.0026	.0047	.0016
51	.283	.0162	.0151	.0050	.0050	.0093	.0032
52	.289	.0147	.0145	.0044	.0044	.0081	.0028
53	.294	.0122	.0122	.0021	.0021	.0037	.0013
54	.300	.0092	.0097	.0000	.0000	.0000	.0000
55	.306	.0072	.0081	.0000	.0000	.0000	.0000
56	.311	.0068	.0087	.0000	.0000	.0000	.0000
57	.317	.0166	.0099	.0000	.0000	.0000	.0000
58	.322	.0091	.0091	.0000	.0000	.0000	.0000
59	.328	.0068	.0073	.0000	.0000	.0000	.0000
60	.333	.0061	.0064	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

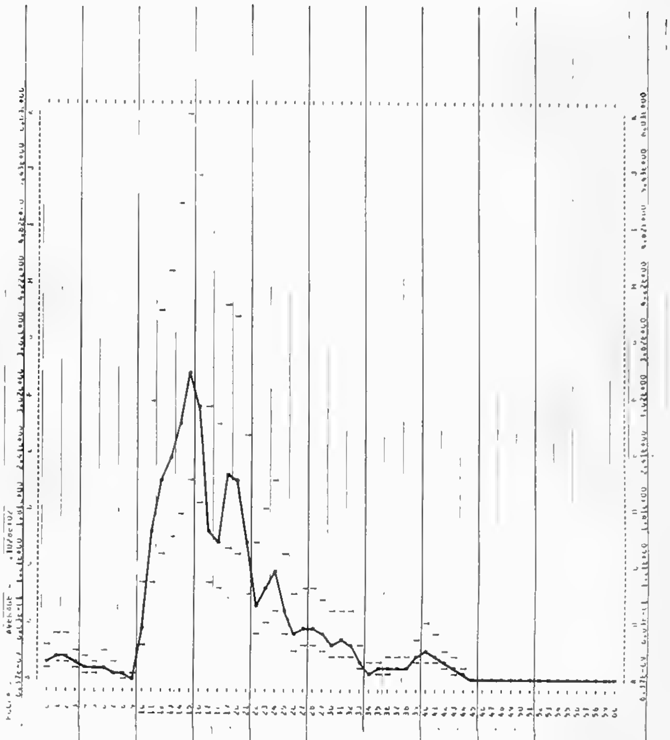
DATE = 25/4/58 AV. T = 3.6 RECORD = UL 22
HOUR = 3 SIG.HGT. = 23.
TOTAL DF = 195 CORR. VAR. = 34.5
NOISE LEVEL = .0079 WIND SPEED = 30

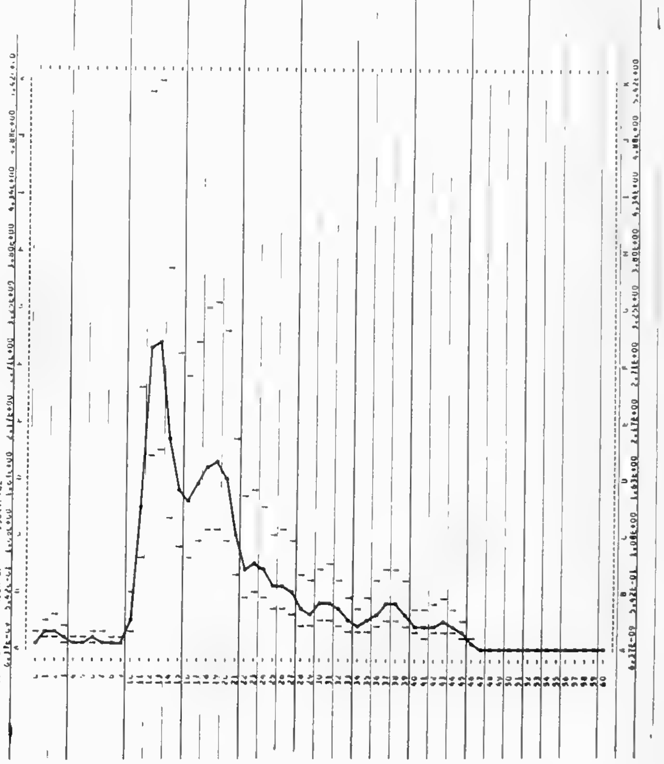
H	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1985	.1985	.1906	.1906	.3513	.1214
1	.006	.2686	.2686	.2606	.2606	.4804	.1640
2	.011	.2682	.2682	.2603	.2603	.4798	.1658
3	.017	.1796	.1736	.1717	.1717	.3165	.1093
4	.022	.1487	.1487	.1408	.1408	.2595	.0897
5	.028	.1157	.1157	.1078	.1078	.1987	.0686
6	.033	.0992	.0992	.0913	.1475	.2719	.0939
7	.039	.0733	.0733	.0654	.0899	.1656	.0572
8	.044	.0447	.0447	.0368	.0458	.0844	.0292
9	.050	.0257	.0257	.0178	.0209	.0385	.0133
10	.056	.4900	.4900	.4821	.5495	1.0129	.3499
11	.061	1.4218	1.4218	1.4139	1.5964	2.9425	1.0165
12	.067	1.8647	1.8647	1.8768	2.1288	3.9237	1.3555
13	.072	2.0380	2.0380	2.0301	2.3441	4.3206	1.4926
14	.078	2.3100	2.3100	2.3021	2.7126	5.0365	1.7399
15	.083	2.6672	2.6672	2.6593	3.2720	6.0308	2.0834
16	.089	2.2700	2.2700	2.2621	2.9057	5.3556	1.8502
17	.094	1.1770	1.1770	1.1691	1.5787	2.9098	1.0052
18	.100	1.0396	1.0396	1.0317	1.4729	2.7148	.9379
19	.106	1.4190	1.4190	1.4110	2.1436	3.9513	1.3650
20	.111	1.2979	1.2979	1.2900	2.0951	3.8616	1.3340
21	.117	.8216	.8216	.8136	1.4193	2.6160	.9037
22	.122	.4303	.4303	.4224	.7952	1.4657	.5063
23	.128	.4920	.4920	.4840	.9881	1.1213	.6292
24	.133	.5174	.5174	.5095	1.1333	2.0888	.7216
25	.139	.3062	.3062	.2921	.7116	1.3116	.4531
26	.144	.1928	.1928	.1849	.4949	.9121	.3151
27	.150	.1856	.1856	.1777	.5246	.9669	.3340
28	.156	.1721	.1721	.1641	.5371	.9900	.3420
29	.161	.1355	.1355	.1276	.4646	.8564	.2959
30	.167	.1610	.1610	.0531	.3785	.6984	.2413
31	.172	.0942	.0942	.0863	.3940	.7261	.2509
32	.178	.0812	.0812	.0733	.3772	.6953	.2402
33	.183	.0421	.0421	.0342	.1991	.3670	.1268
34	.189	.0215	.0215	.0136	.0900	.1659	.0573
35	.194	.0223	.0223	.0144	.1084	.1998	.0690
36	.200	.0237	.0237	.0157	.1358	.2502	.0865
37	.206	.0228	.0228	.0148	.1471	.2711	.0937
38	.211	.0206	.0206	.0127	.1450	.2672	.0923
39	.217	.0261	.0261	.0181	.2405	.4433	.1532
40	.222	.0290	.0290	.0211	.3253	.5995	.2071
41	.228	.0212	.0216	.0139	.2505	.4617	.1595
42	.233	.0148	.0159	.0080	.1690	.3116	.1076
43	.239	.0135	.0128	.0049	.1222	.2253	.0778
44	.244	.0092	.0096	.0017	.0504	.0930	.0321
45	.250	.0056	.0066	.0000	.0000	.0000	.0000
46	.256	.0065	.0067	.0000	.0000	.0000	.0000
47	.261	.0080	.0081	.0002	.0002	.0004	.0001
48	.267	.0093	.0089	.0009	.0009	.0017	.0006
49	.272	.0083	.0084	.0004	.0004	.0008	.0003
50	.278	.0071	.0076	.0000	.0000	.0000	.0000
51	.283	.0077	.0077	.0000	.0000	.0000	.0000
52	.289	.0085	.0084	.0005	.0005	.0010	.0003
53	.294	.0090	.0091	.0012	.0012	.0022	.0008
54	.300	.0110	.0101	.0022	.0022	.0041	.0014
55	.306	.0101	.0095	.0016	.0016	.0030	.0010
56	.311	.0061	.0069	.0000	.0000	.0000	.0000
57	.317	.0051	.0055	.0000	.0000	.0000	.0000
58	.322	.0055	.0058	.0000	.0000	.0000	.0000
59	.328	.0076	.0073	.0000	.0000	.0000	.0000
60	.333	.0097	.0087	.0007	.0007	.0014	.0005

SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 25/4/58 AV. T = 2. RECORD = UL 23
HOUR = 6 SIG.HGT. = 2
TOTAL DF = 213 CORR. VAR. = 30.0
NOISE LEVEL = .0094 WIND SPEED = 35

H	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0861	.0861	.0767	.0767	.1414	.0489
1	.006	.1546	.1546	.1452	.1452	.2677	.0925
2	.011	.1907	.1907	.1813	.1813	.3342	.1155
3	.017	.1191	.1191	.1097	.1097	.2022	.0699
4	.022	.0694	.0694	.0600	.0600	.1106	.0382
5	.028	.0604	.0604	.0510	.0510	.0939	.0325
6	.033	.0632	.0632	.0538	.0869	.1602	.0553
7	.039	.0672	.0672	.0578	.0795	.1465	.0506
8	.044	.0578	.0578	.0484	.0603	.1111	.0384
9	.050	.0634	.0634	.0540	.0634	.1169	.0404
10	.056	.2603	.2603	.2509	.2860	.5272	.1821
11	.061	1.2092	1.2092	1.1998	1.3547	2.4969	.8626
12	.067	2.5483	2.5483	2.5389	2.8755	5.3080	1.8337
13	.072	2.5577	2.5577	2.5483	2.9426	5.4236	1.8736
14	.078	1.6790	1.6790	1.6696	1.9818	3.6528	1.2619
15	.083	1.2570	1.2570	1.2477	1.5351	2.8294	.9775
16	.089	1.1022	1.1022	1.0529	1.4037	2.5873	.8938
17	.094	1.1779	1.1779	1.1685	1.5774	2.9063	1.0047
18	.100	1.2427	1.2427	1.2333	1.7608	3.2453	1.1211
19	.106	1.1844	1.1844	1.1751	1.7853	3.2905	1.1367
20	.111	1.0162	1.0162	1.0068	1.6352	3.0139	1.0412
21	.117	.6389	.6389	.6295	1.0981	2.0240	.6992
22	.122	.4264	.4264	.4170	.7852	1.4472	.4999
23	.128	.4170	.4170	.4078	.8322	1.5338	.5299
24	.133	.3463	.3463	.3309	.7359	1.3564	.4686
25	.139	.2466	.2466	.2372	.5776	1.0646	.3678
26	.144	.2348	.2348	.2255	.6034	1.1122	.3842
27	.150	.1964	.1964	.1870	.5521	1.0176	.3515
28	.156	.1235	.1235	.1141	.3734	.6882	.2377
29	.161	.1037	.1037	.0943	.3434	.6329	.2186
30	.167	.1138	.1138	.1044	.4252	.7838	.2708
31	.172	.1063	.1063	.0969	.4422	.8150	.2816
32	.178	.0799	.0799	.0705	.3628	.6687	.2310
33	.183	.0549	.0549	.0455	.2650	.4884	.1687
34	.189	.0426	.0426	.0332	.2196	.4052	.1400
35	.194	.0427	.0427	.0333	.2512	.4630	.1600
36	.200	.0498	.0498	.0404	.3486	.6425	.2219
37	.206	.0510	.0510	.0416	.4127	.7607	.2628
38	.211	.0464	.0464	.0370	.4238	.7810	.2698
39	.217	.0357	.0357	.0263	.3487	.6430	.2221
40	.222	.0232	.0232	.0138	.2136	.3937	.1360
41	.228	.0194	.0207	.0113	.2034	.3749	.1295
42	.233	.0219	.0208	.0114	.2401	.4425	.1529
43	.239	.0204	.0199	.0105	.2609	.4808	.1661
44	.244	.0166	.0169	.0075	.2199	.4052	.1400
45	.250	.0142	.0140	.0046	.1587	.2925	.1011
46	.256	.0095	.0106	.0014	.0596	.1088	.0376
47	.261	.0099	.0101	.0007	.0007	.0013	.0005
48	.267	.0123	.0113	.0019	.0019	.0035	.0012
49	.272	.0101	.0109	.0015	.0015	.0027	.0009
50	.278	.0106	.0109	.0015	.0015	.0028	.0010
51	.283	.0132	.0123	.0029	.0029	.0054	.0019
52	.289	.0123	.0123	.0029	.0029	.0053	.0018
53	.294	.0109	.0113	.0019	.0019	.0034	.0012
54	.300	.0114	.0108	.0014	.0014	.0026	.0009
55	.306	.0095	.0094	.0000	.0000	.0000	.0000
56	.311	.0065	.0073	.0000	.0000	.0000	.0000
57	.317	.0066	.0067	.0000	.0000	.0000	.0000
58	.322	.0071	.0072	.0000	.0000	.0000	.0000
59	.328	.0081	.0080	.0000	.0000	.0000	.0000
60	.333	.0092	.0087	.0000	.0000	.0000	.0000

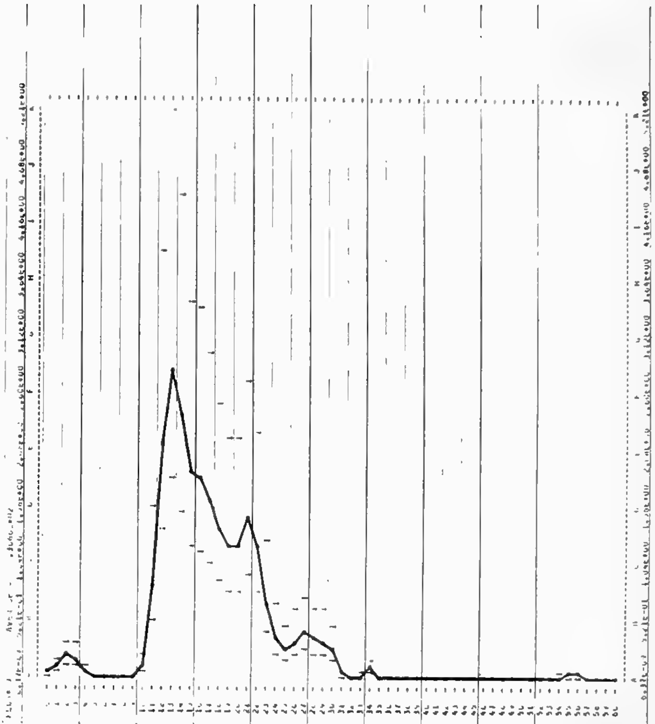




SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 25/4/78 AV. T= 10.0 RECORD = UL 24
PEAK = 9 SIG.HGT. = 17.5
TOTAL EF =.147 CORR. VAR. = 21.1
NOISE LEVEL = .0847 WIND SPEED = 65

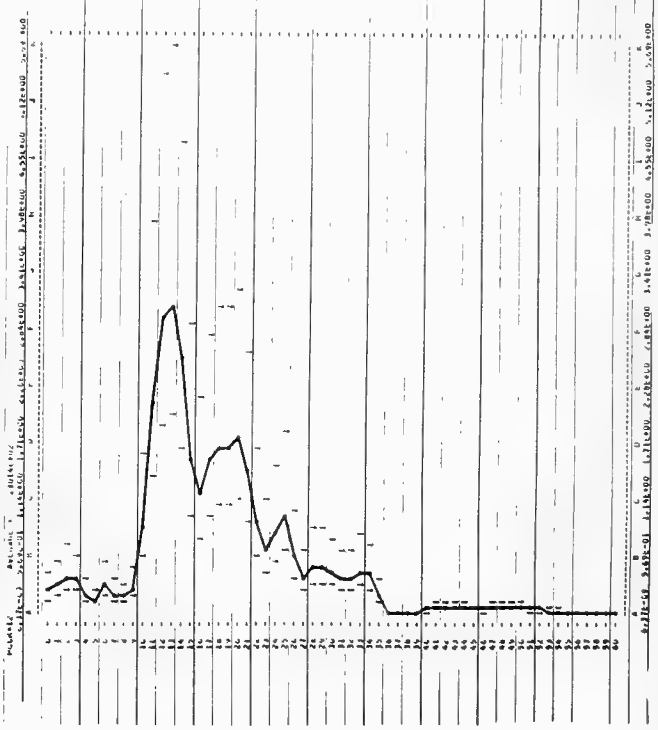
N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1149	.1149	.0301	.0161	.0555	.0132
1	.006	.1647	.1647	.0656	.0450	.1567	.0541
2	.011	.2673	.2673	.1925	.1825	.3364	.1162
3	.017	.2563	.2563	.1655	.1655	.3051	.1054
4	.022	.1479	.1479	.0632	.0632	.1165	.0402
5	.028	.0647	.0647	.0000	.0000	.0000	.0000
6	.033	.0720	.0720	.0000	.0000	.0000	.0000
7	.039	.0917	.0919	.0071	.0070	.0181	.0062
8	.044	.0937	.0937	.0006	.0111	.0205	.0071
9	.050	.0934	.0934	.0088	.0101	.0187	.0065
10	.056	.1902	.1902	.1055	.1262	.2216	.0766
11	.061	.8302	.8302	.7455	.8417	1.5514	.5359
12	.067	1.4562	1.4562	1.3715	1.1251	3.1168	1.3531
13	.072	2.5306	2.5306	2.4458	2.0762	5.0054	1.7963
14	.078	2.1624	2.1624	2.0776	2.3547	4.4142	1.5269
15	.083	1.5975	1.5975	1.5127	1.6413	3.4306	1.1852
16	.089	1.5088	1.5088	1.4240	1.0752	3.2716	1.1647
17	.094	1.2717	1.2717	1.1865	1.0026	2.9563	1.0216
18	.100	1.0362	1.0362	.9535	1.3613	2.5090	.8668
19	.106	.9664	.9664	.7817	1.1876	2.1890	.7562
20	.111	.8193	.8193	.7345	1.1736	2.1988	.7596
21	.117	.7336	.7336	.6471	1.0411	2.7229	.9431
22	.122	.7223	.7223	.6375	1.0064	2.2125	.7643
23	.128	.4205	.4205	.3157	.6654	1.2633	.4364
24	.133	.2442	.2442	.1644	.3650	.6741	.2327
25	.139	.1840	.1840	.0993	.2418	.4457	.1540
26	.144	.2111	.2111	.1264	.3383	.6236	.2154
27	.150	.2163	.2163	.1335	.3342	.7267	.2510
28	.156	.1517	.1517	.1670	.3566	.6452	.2269
29	.161	.1767	.1767	.0915	.3275	.6037	.2085
30	.167	.1466	.1466	.0638	.2599	.4771	.1655
31	.172	.0936	.0736	.0302	.0375	.0692	.0237
32	.178	.0647	.0667	.0000	.0000	.0000	.0000
33	.183	.0878	.0878	.0031	.0180	.0332	.0115
34	.189	.0596	.0496	.0148	.0982	.1810	.0625
35	.194	.0773	.0779	.0000	.0000	.0000	.0000
36	.200	.0622	.0622	.0000	.0000	.0000	.0000
37	.206	.0423	.0423	.0000	.0000	.0000	.0000
38	.211	.0237	.0234	.0000	.0000	.0000	.0000
39	.217	.0235	.0235	.0000	.0000	.0000	.0000
40	.222	.0315	.0315	.0000	.0000	.0000	.0000
41	.228	.0360	.0359	.0000	.0000	.0000	.0000
42	.233	.0393	.0387	.0000	.0000	.0000	.0000
43	.239	.0420	.0342	.0000	.0000	.0000	.0000
44	.244	.0337	.0332	.0000	.0000	.0000	.0000
45	.250	.0213	.0235	.0000	.0000	.0000	.0000
46	.256	.0175	.0123	.0000	.0000	.0000	.0000
47	.261	.0136	.0155	.0000	.0000	.0000	.0000
48	.267	.0125	.0169	.0000	.0000	.0000	.0000
49	.272	.0227	.0228	.0000	.0000	.0000	.0000
50	.278	.0515	.0492	.0000	.0000	.0000	.0000
51	.283	.0277	.0664	.0000	.0000	.0000	.0000
52	.289	.0776	.0784	.0003	.0000	.0000	.0000
53	.294	.0911	.0927	.0080	.0080	.0111	.0038
54	.300	.1068	.1032	.0185	.0185	.0341	.0116
55	.306	.1121	.1121	.0274	.0274	.0505	.0174
56	.311	.1149	.1111	.0263	.0263	.0486	.0168
57	.317	.1003	.0983	.0135	.0135	.0249	.0086
58	.322	.0735	.0775	.0000	.0000	.0000	.0000
59	.328	.0537	.0545	.0000	.0000	.0000	.0000
60	.333	.0464	.0514	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 25/4/78 AV. T= RECORD = UL 25
PEAK = 12 SIG.HGT. = 22.7
TOTAL EF =.265 CORR. VAR. = 30.7
NOISE LEVEL = .0525 WIND SPEED = 65

N	FREQ.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2663	.2663	.2078	.2078	.3030	.1323
1	.006	.3306	.3306	.2775	.2775	.5115	.1767
2	.011	.4136	.4136	.3611	.3611	.6655	.2299
3	.017	.3748	.3748	.3223	.3223	.5941	.2052
4	.022	.2471	.2471	.1946	.1946	.3586	.1239
5	.028	.1897	.1897	.1372	.1372	.2527	.0874
6	.033	.2237	.2237	.1712	.2766	.5097	.1761
7	.039	.1847	.1847	.1322	.1816	.3347	.1156
8	.044	.1813	.1813	.1288	.1604	.2956	.1021
9	.050	.2603	.2603	.2078	.2441	.4499	.1554
10	.056	.8065	.8065	.7540	.6595	1.5842	.5473
11	.061	1.9360	1.9360	1.8855	2.1269	3.9240	1.3556
12	.067	2.6500	2.6500	2.5975	2.6464	5.4306	1.8761
13	.072	2.7258	2.7258	2.6733	3.0868	5.6895	1.9655
14	.078	2.2125	2.2125	2.1600	2.5639	4.7256	1.6325
15	.083	1.3197	1.3177	1.2671	1.5591	2.8737	.9927
16	.089	.9674	.9674	.9149	1.1752	2.1660	.7483
17	.094	1.1713	1.1713	1.1188	1.5109	2.7847	.9620
18	.100	1.2136	1.2116	1.1611	1.6576	3.0553	1.0555
19	.106	1.1563	1.1563	1.1038	1.6770	3.0910	1.0678
20	.111	1.1417	1.1417	1.0891	1.7685	3.2603	1.1263
21	.117	.8607	.8607	.8082	1.4098	2.5985	.8977
22	.122	.5261	.5261	.4736	.8917	1.6435	.5678
23	.128	.3549	.3549	.3024	.6174	1.1374	.3931
24	.133	.4164	.4164	.3639	.8095	1.4920	.5154
25	.139	.4539	.4539	.4014	.8774	1.6015	.6223
26	.144	.2640	.2640	.2115	.5861	1.0434	.3604
27	.150	.1703	.1703	.1178	.3478	.6411	.2215
28	.156	.1984	.1984	.1459	.4774	.8798	.3040
29	.161	.1836	.1836	.1311	.4774	.8798	.3039
30	.167	.1521	.1521	.0996	.4054	.7472	.2581
31	.172	.1272	.1272	.0747	.3410	.6286	.2172
32	.178	.1191	.1191	.0665	.3426	.6315	.2182
33	.183	.1249	.1249	.0724	.4215	.7768	.2684
34	.189	.1078	.1078	.0572	.3785	.6977	.2410
35	.194	.0767	.0767	.0242	.1823	.3360	.1161
36	.200	.0526	.0526	.0000	.0003	.0006	.0002
37	.206	.0426	.0426	.0000	.0000	.0000	.0000
38	.211	.0537	.0537	.0012	.0138	.0254	.0088
39	.217	.0604	.0604	.0079	.0079	.0145	.0050
40	.222	.0844	.0844	.0318	.0318	.0587	.0203
41	.228	.1390	.1207	.0682	.0682	.1257	.0434
42	.233	.1264	.1206	.0681	.0681	.1255	.0434
43	.239	.0927	.1027	.0502	.0502	.0925	.0319
44	.244	.1135	.1046	.0521	.0521	.0961	.0332
45	.250	.0930	.0988	.0463	.0463	.0853	.0295
46	.256	.0979	.0958	.0432	.0432	.0797	.0275
47	.261	.1043	.1042	.0517	.0517	.0952	.0329
48	.267	.0997	.1051	.0526	.0526	.0969	.0335
49	.272	.1194	.1117	.0592	.0592	.1091	.0377
50	.278	.1104	.1083	.0558	.0558	.1028	.0355
51	.283	.0869	.0930	.0404	.0404	.0745	.0258
52	.289	.0920	.0877	.0352	.0352	.0649	.0224
53	.294	.0793	.0799	.0274	.0274	.0505	.0174
54	.300	.0699	.0691	.0166	.0166	.0306	.0106
55	.306	.0587	.0575	.0050	.0050	.0092	.0032
56	.311	.0309	.0427	.0000	.0000	.0000	.0000
57	.317	.0353	.0343	.0000	.0000	.0000	.0000
58	.322	.0278	.0276	.0000	.0000	.0000	.0000
59	.328	.0162	.0168	.0000	.0000	.0000	.0000
60	.333	.0135	.0149	.0000	.0000	.0000	.0000



SPECTRA MINDLASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

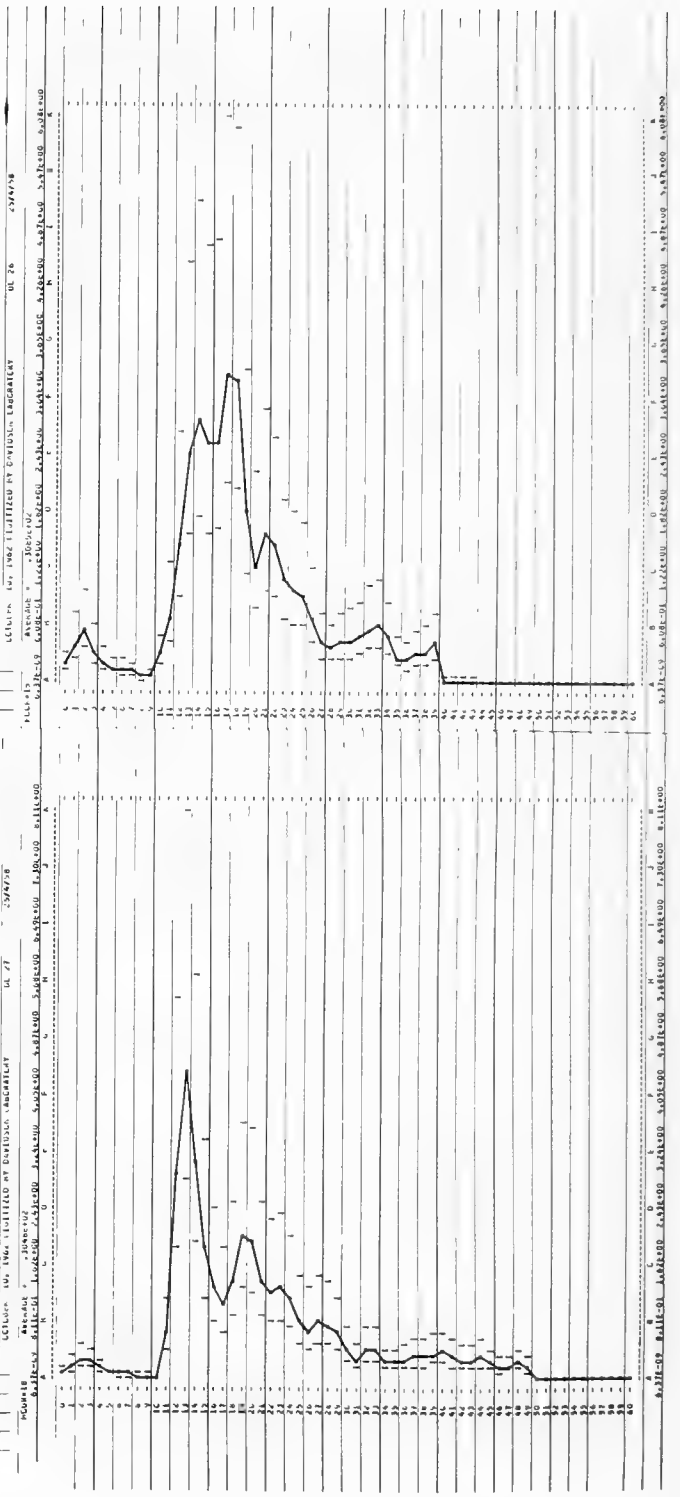
DATE = 2/4/58 AV. T= 8.0 RECORD = 26
MEAN = 15 SIG.MGT. = 24.6
TOTAL DF =199 CLAMP. VAR. = 36.4
NOISE LEVEL = .0164 WIND SPEED = 40

N	PAR.	UNIT-FT.2	FILTERED	LESS NOISE	CLAMP.FT.2	UPPER	LOWER
0	.006	.1784	.1784	.1625	.1625	.1994	.1034
1	.006	.4040	.4040	.3876	.3876	.4243	.3408
2	.011	.3477	.3477	.3312	.3312	.3794	.3383
3	.017	.3400	.3400	.3235	.3235	.3963	.2860
4	.022	.2137	.2137	.1973	.1973	.3038	.1256
5	.028	.1835	.1835	.1671	.1671	.2310	.0992
6	.033	.1038	.1038	.0874	.1412	.2402	.0844
7	.039	.0838	.0838	.0674	.0960	.1707	.0540
8	.044	.0533	.0533	.0369	.0459	.0847	.0242
9	.050	.0748	.0748	.0581	.0483	.1258	.0435
10	.056	.2561	.2561	.2418	.2754	.5077	.1754
11	.061	.0279	.0279	.0116	.0156	.0724	.0306
12	.067	1.3149	1.3149	1.2986	1.4883	2.7063	.9369
13	.072	2.1296	2.1296	2.1131	2.4496	4.4973	1.5537
14	.078	2.2766	2.2766	2.2602	2.6019	5.1637	1.7839
15	.083	2.1695	2.1695	2.1530	2.2286	4.6558	1.6084
16	.089	2.0130	2.0130	1.9966	2.3846	4.7270	1.6330
17	.094	2.4643	2.4643	2.4479	3.1062	6.0928	2.1014
18	.100	2.2782	2.2782	2.2618	3.4291	5.9517	2.0561
19	.106	1.6452	1.6452	1.6288	1.8081	3.3289	1.1560
20	.111	.7808	.7808	.7644	1.4089	2.4282	.7898
21	.117	.9152	.9152	.8987	1.2677	2.8846	.9082
22	.122	.7771	.7771	.7606	1.4321	2.6397	.9119
23	.128	.2915	.2915	.2751	1.4743	1.9758	.6826
24	.133	.4830	.4830	.4685	.9577	1.6388	.8353
25	.139	.4017	.4017	.3852	.9380	1.7488	.5972
26	.144	.2833	.2833	.2671	.8812	1.7188	.4210
27	.150	.1530	.1530	.1369	.4036	.7428	.2566
28	.156	.1199	.1199	.1034	.3384	.6236	.2155
29	.161	.1255	.1255	.1091	.2971	.7320	.2549
30	.167	.1188	.1188	.1023	.4166	.7678	.2692
31	.172	.1192	.1192	.1027	.4690	.8044	.2986
32	.178	.1265	.1265	.1101	.2771	1.0637	.3675
33	.183	.1169	.1169	.1004	.5961	1.0986	.3795
34	.189	.0877	.0877	.0713	.4716	.8892	.3063
35	.194	.0522	.0522	.0357	.2694	.4766	.1718
36	.200	.0425	.0425	.0261	.4253	.4153	.1435
37	.206	.0448	.0448	.0283	.4810	.5179	.1789
38	.211	.0439	.0439	.0274	.3147	.5900	.2004
39	.217	.0466	.0466	.0301	.4061	.7376	.2547
40	.222	.0466	.0466	.0302	.0367	.0557	.0192
41	.228	.0448	.0448	.0280	.0280	.0516	.0178
42	.233	.0410	.0410	.0252	.0252	.0484	.0160
43	.239	.0368	.0378	.0214	.0214	.0394	.0136
44	.244	.0328	.0324	.0160	.0160	.0294	.0102
45	.250	.0238	.0257	.0093	.0093	.0171	.0059
46	.256	.0227	.0267	.0061	.0061	.0112	.0039
47	.261	.0212	.0269	.0044	.0044	.0082	.0028
48	.267	.0185	.0220	.0020	.0020	.0038	.0013
49	.272	.0194	.0178	.0034	.0034	.0062	.0021
50	.278	.0234	.0231	.0087	.0087	.0123	.0042
51	.283	.0228	.0228	.0084	.0084	.0117	.0041
52	.289	.0181	.0179	.0035	.0035	.0018	.0006
53	.294	.0148	.0127	.0000	.0000	.0000	.0000
54	.300	.0140	.0141	.0000	.0000	.0000	.0000
55	.306	.0161	.0106	.0000	.0000	.0000	.0000
56	.311	.0147	.0155	.0000	.0000	.0000	.0000
57	.317	.0157	.0157	.0000	.0000	.0000	.0000
58	.322	.0179	.0170	.0000	.0000	.0011	.0004
59	.328	.0167	.0168	.0004	.0004	.0007	.0003
60	.333	.0153	.0160	.0000	.0000	.0000	.0000

SPECTRA MINDLASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 2/4/58 AV. T= 7.9 RECORD = 27
MEAN = 18 SIG.MGT. = 24.6
TOTAL DF =194 CLAMP. VAR. = 33.9
NOISE LEVEL = .0156 WIND SPEED = 30

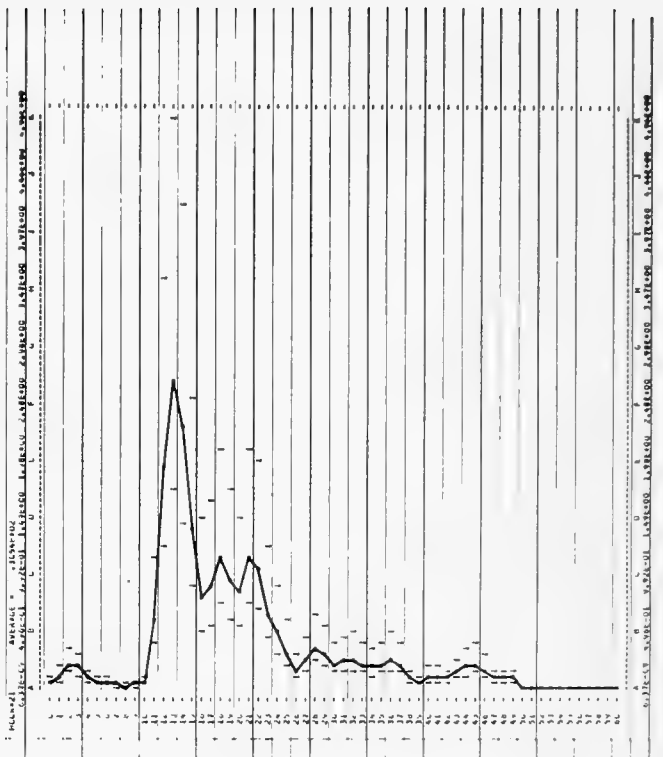
N	PAR.	UNIT-FT.2	FILTERED	LESS NOISE	CLAMP.FT.2	UPPER	LOWER
0	.006	.0473	.0473	.0307	.0307	.0594	.0052
1	.006	.1775	.1775	.1320	.1320	.3170	.1095
2	.011	.2624	.2624	.2508	.2568	.4933	.1835
3	.017	.2140	.2140	.2135	.2135	.3935	.1359
4	.022	.1338	.1338	.1282	.1282	.2363	.0816
5	.028	.0744	.0744	.0645	.1196	.2043	.0443
6	.033	.0448	.0448	.0392	.1634	.1168	.0443
7	.039	.0460	.0460	.0403	.0556	.1025	.0356
8	.044	.0252	.0252	.0196	.0246	.0450	.0155
9	.050	.0256	.0256	.0237	.0278	.0512	.0177
10	.056	.0072	.0072	.0017	.0019	.0035	.0012
11	.061	.1575	.1575	.1522	.1522	.1.1687	.3908
12	.067	2.0139	2.0139	2.0083	2.4587	5.4532	1.8839
13	.072	3.8160	3.8160	3.8105	4.3994	8.1097	2.8918
14	.078	2.6304	2.6304	2.6254	3.1163	5.7439	1.9843
15	.083	1.4552	1.4552	1.4497	1.8324	3.3793	1.1671
16	.089	1.4452	1.4452	1.4396	1.3354	2.4614	.8563
17	.094	.7617	.7617	.7632	1.4368	2.6125	.8582
18	.100	.4835	.4835	.4575	1.3676	2.5207	.8708
19	.106	1.3174	1.3174	1.3124	1.9535	3.6750	1.2696
20	.111	1.1955	1.1955	1.1900	1.9328	3.5621	1.2346
21	.117	.7956	.7956	.7934	1.2840	2.3509	.8813
22	.122	.6865	.6865	.6856	1.2332	2.2729	.7852
23	.128	.6310	.6310	.6256	1.2762	2.3533	.8130
24	.133	.5059	.5059	.5004	1.1136	2.0513	.7087
25	.139	.3364	.3364	.3254	.7922	1.4802	.5044
26	.144	.2811	.2811	.2656	.6846	1.2607	.4355
27	.150	.2670	.2670	.2614	.7718	1.4226	.4915
28	.156	.2362	.2362	.2267	.7417	1.3671	.4723
29	.161	.1755	.1755	.1700	.6184	1.1406	.3941
30	.167	.1019	.1019	.0963	.3922	.7229	.2498
31	.172	.0641	.0641	.0580	.2673	.4927	.1706
32	.178	.0840	.0840	.0784	.4036	.7443	.2571
33	.183	.0741	.0741	.0685	.3385	.7346	.2538
34	.189	.0397	.0357	.0142	.2286	.4165	.1439
35	.194	.0331	.0331	.0275	.2076	.3827	.1322
36	.200	.0365	.0310	.0254	.2474	.4929	.1703
37	.206	.0304	.0304	.0295	.2962	.5460	.1886
38	.211	.0333	.0333	.0278	.3175	.5859	.2024
39	.217	.0321	.0321	.0206	.3523	.6494	.2243
40	.222	.0295	.0295	.0240	.3856	.6812	.2353
41	.228	.0226	.0226	.0136	.3065	.5649	.1952
42	.233	.0187	.0187	.0121	.2522	.4722	.1631
43	.239	.0175	.0167	.0111	.2356	.5080	.1755
44	.244	.0160	.0154	.0098	.2886	.5320	.1838
45	.250	.0113	.0141	.0085	.2554	.4684	.1618
46	.256	.0099	.0096	.0041	.1882	.3101	.1071
47	.261	.0099	.0095	.0035	.1953	.3594	.1243
48	.267	.0096	.0093	.0038	.2243	.4134	.1428
49	.272	.0078	.0092	.0026	.1877	.3460	.1195
50	.278	.0076	.0076	.0020	.0026	.0037	.0013
51	.283	.0071	.0073	.0013	.0017	.0032	.0011
52	.289	.0070	.0073	.0018	.0018	.0033	.0011
53	.294	.0075	.0071	.0015	.0015	.0028	.0010
54	.300	.0055	.0059	.0002	.0002	.0004	.0002
55	.306	.0045	.0047	.0000	.0000	.0000	.0000
56	.311	.0043	.0043	.0000	.0000	.0000	.0000
57	.317	.0040	.0042	.0000	.0000	.0000	.0000
58	.322	.0040	.0048	.0000	.0000	.0000	.0000
59	.328	.0053	.0051	.0000	.0000	.0000	.0000
60	.333	.0044	.0048	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/9/58 AV. I= 8.3 RECORD = DL 28
NCUR = 21 SIG.MGT. = 10.9
TOTAL DF =189 CORR. VAR. = 22.1
NOISE LEVEL = .0052 WIND SPEED = 35

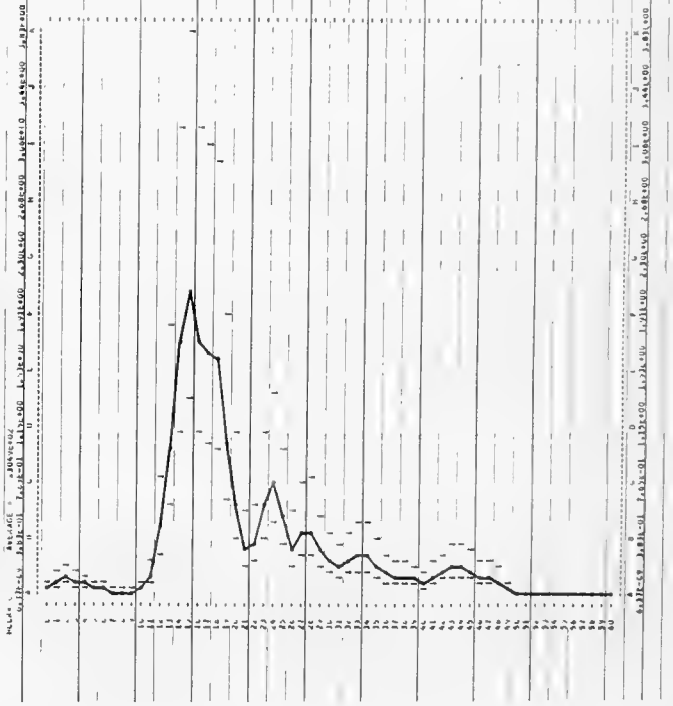
N.	FRE.	UNITSFT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0941	.0941	.0489	.0489	.0902	.0312
1	.006	.1171	.1171	.1119	.1119	.2083	.0713
2	.011	.2091	.2091	.1999	.1999	.3688	.1273
3	.017	.1788	.1788	.1736	.1736	.3200	.1105
4	.022	.0965	.0965	.0914	.0914	.1686	.0582
5	.028	.0585	.0585	.0533	.0532	.0982	.0340
6	.033	.0398	.0398	.0346	.0599	.1031	.0356
7	.039	.0258	.0258	.0208	.0283	.0521	.0180
8	.044	.0218	.0218	.0167	.0207	.0382	.0132
9	.050	.0247	.0247	.0295	.0346	.0638	.0220
10	.056	.0487	.0487	.0435	.0496	.0915	.0316
11	.061	.0539	.0539	.0488	.0496	.0915	.0316
12	.067	1.7029	1.7029	1.6977	1.7257	3.1844	1.1042
13	.072	2.3356	2.3356	2.3304	4.0955	4.4547	1.7136
14	.078	1.9284	1.9284	1.9232	4.0829	4.2037	1.4536
15	.083	1.1249	1.1249	1.1217	1.8801	2.2438	.8748
16	.089	.6303	.6303	.6251	.8629	1.6799	.5813
17	.094	.4388	.4388	.4338	.4826	1.0269	.3640
18	.100	.8041	.8041	.7989	1.1467	2.1024	.7263
19	.106	.8347	.8347	.8275	.9536	1.7572	.6070
20	.111	.5098	.5098	.5046	.8196	1.5106	.5219
21	.117	.8800	.8800	.8748	1.1922	2.1033	.7273
22	.122	.5710	.5710	.5658	1.0693	1.9636	.6783
23	.128	.3248	.3248	.3196	.4947	1.2215	.4219
24	.133	.2180	.2180	.2129	.4755	.8727	.3015
25	.139	.1370	.1370	.1278	.2113	.5737	.1982
26	.144	.0693	.0683	.0632	.1691	.3116	.1077
27	.150	.0838	.0838	.0786	.2324	.4279	.1478
28	.156	.1146	.1146	.1094	.3581	.6601	.2280
29	.161	.0880	.0880	.0849	.3017	.5561	.1941
30	.167	.0563	.0563	.0512	.2083	.3840	.1327
31	.172	.0581	.0581	.0530	.2419	.4459	.1540
32	.178	.0560	.0560	.0508	.2613	.4820	.1665
33	.183	.0418	.0418	.0366	.2118	.3904	.1349
34	.189	.0341	.0341	.0289	.1911	.3523	.1217
35	.194	.0342	.0342	.0290	.2186	.4029	.1392
36	.200	.0352	.0352	.0301	.2547	.4766	.1653
37	.206	.0263	.0263	.0211	.2055	.3862	.1334
38	.211	.0129	.0129	.0078	.0898	.1660	.0566
39	.217	.0094	.0094	.0043	.0626	.1164	.0397
40	.222	.0122	.0122	.0070	.1085	.1994	.0691
41	.228	.0103	.0105	.0054	.0988	.1783	.0616
42	.233	.0185	.0094	.0042	.0895	.1650	.0570
43	.239	.0105	.0103	.0051	.1288	.2337	.0807
44	.244	.0125	.0117	.0065	.1905	.3512	.1213
45	.250	.0113	.0111	.0059	.2086	.3808	.1316
46	.256	.0086	.0088	.0037	.1570	.2802	.0968
47	.261	.0065	.0070	.0015	.0924	.1706	.0589
48	.267	.0069	.0067	.0015	.0880	.1636	.0564
49	.272	.0068	.0068	.0016	.0871	.1605	.0554
50	.278	.0053	.0055	.0004	.0004	.0007	.0002
51	.283	.0048	.0050	.0000	.0000	.0000	.0000
52	.289	.0048	.0050	.0000	.0000	.0000	.0000
53	.294	.0057	.0055	.0003	.0003	.0006	.0002
54	.300	.0061	.0059	.0007	.0007	.0013	.0004
55	.306	.0074	.0055	.0003	.0003	.0005	.0002
56	.311	.0052	.0053	.0001	.0001	.0002	.0001
57	.317	.0056	.0054	.0003	.0003	.0005	.0002
58	.322	.0058	.0055	.0003	.0003	.0005	.0002
59	.328	.0047	.0048	.0000	.0000	.0000	.0000
60	.333	.0034	.0046	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 26/9/58 AV. I= 7.9 RECORD = DL 29
NCUR = 0 SIG.MGT. = 17.7
TOTAL DF =180 CORR. VAR. = 31.6
NOISE LEVEL = .0036 WIND SPEED = 30

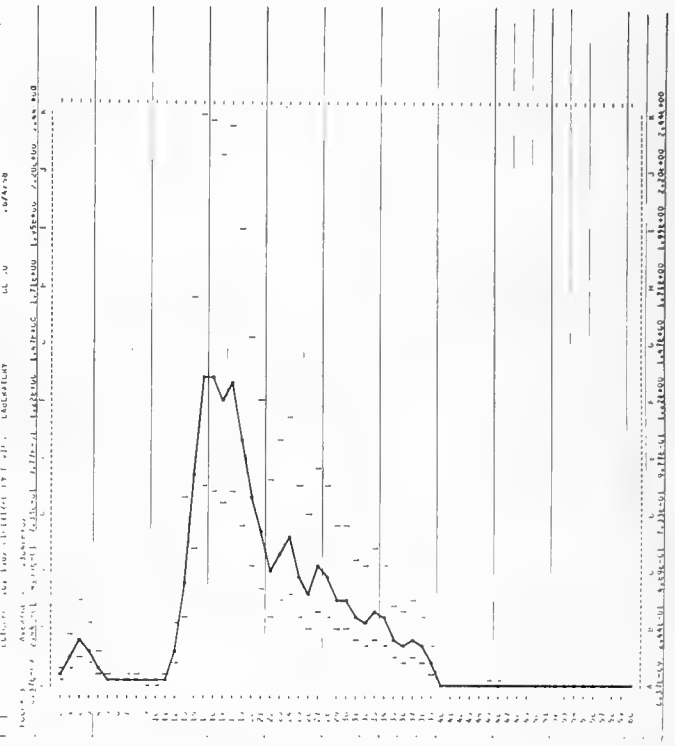
N	FRE.	UNITSFT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6422	.6422	.6392	.6392	.8723	.6250
1	.006	.6780	.6796	.6756	.6756	.1383	.4678
2	.011	.1636	.1636	.1604	.1804	.1854	.0641
3	.017	.0826	.0826	.0796	.1796	.1467	.0507
4	.022	.0662	.0662	.0632	.0632	.1166	.0402
5	.028	.0310	.0310	.0280	.0480	.0886	.0306
6	.033	.0142	.0142	.0112	.0504	.0929	.0321
7	.039	.0166	.0166	.0136	.0186	.0343	.0119
8	.044	.0134	.0134	.0104	.0129	.0238	.0082
9	.050	.0170	.0170	.0140	.0169	.0303	.0105
10	.056	.0333	.0333	.0303	.0345	.0636	.0220
11	.061	.1176	.1176	.1142	.1275	.2327	.0841
12	.067	.3967	.3967	.3897	.4402	.8157	.2814
13	.072	.8556	.8556	.8526	.9884	1.8218	.6296
14	.078	1.4512	1.4512	1.4482	1.7190	3.1684	1.0946
15	.083	1.8698	1.8698	1.8668	2.4754	3.8233	1.3215
16	.089	1.3464	1.3464	1.3376	1.7179	3.1844	.6939
17	.094	1.2255	1.2255	1.2225	1.9058	3.6627	1.0512
18	.100	1.1161	1.1161	1.1131	1.8851	2.9290	1.0119
19	.106	.8872	.8872	.8842	1.1356	1.9138	.6619
20	.111	.3757	.3757	.3727	.4834	1.1158	.3855
21	.117	.1787	.1787	.1757	.2566	.5651	.1952
22	.122	.1811	.1781	.1751	.2353	.4180	.1135
23	.128	.2557	.2557	.2527	.3975	1.1012	.3804
24	.133	.3619	.3619	.3589	.7537	1.3892	.4799
25	.139	.2273	.2273	.2243	.5910	1.0083	.3483
26	.144	.1181	.1181	.1151	.3082	.5688	.1962
27	.150	.1667	.1667	.1637	.4262	.7819	.2701
28	.156	.1331	.1331	.1301	.4258	.7849	.2712
29	.161	.0851	.0851	.0821	.4588	.5508	.1903
30	.167	.0590	.0590	.0560	.2281	.4205	.1453
31	.172	.0440	.0440	.0410	.1870	.3448	.1191
32	.178	.0457	.0457	.0427	.2261	.4058	.1401
33	.183	.0490	.0490	.0460	.2678	.4932	.1704
34	.189	.0429	.0429	.0399	.2038	.4962	.1880
35	.194	.0305	.0305	.0275	.2075	.3824	.1321
36	.200	.0193	.0193	.0163	.1458	.2545	.0896
37	.206	.0151	.0151	.0121	.1202	.2215	.0765
38	.211	.0131	.0131	.0101	.1191	.2122	.0733
39	.217	.0106	.0106	.0074	.0987	.1820	.0629
40	.222	.0087	.0087	.0057	.0836	.1611	.0556
41	.228	.0097	.0098	.0068	.1187	.2188	.0756
42	.233	.0106	.0103	.0073	.1563	.2843	.0982
43	.239	.0106	.0103	.0073	.1905	.3326	.1149
44	.244	.0101	.0098	.0068	.1934	.3565	.1232
45	.250	.0078	.0078	.0048	.1656	.3049	.1053
46	.256	.0078	.0078	.0048	.1263	.2381	.0823
47	.261	.0056	.0056	.0024	.1196	.2204	.0761
48	.267	.0046	.0046	.0014	.0938	.1729	.0597
49	.272	.0035	.0035	.0003	.0598	.0459	.0228
50	.278	.0021	.0024	.0000	.0000	.0000	.0000
51	.283	.0018	.0041	.0000	.0000	.0000	.0000
52	.289	.0030	.0028	.0000	.0000	.0000	.0000
53	.294	.0039	.0038	.0008	.0008	.0010	.0004
54	.300	.0035	.0035	.0005	.0005	.0010	.0003
55	.306	.0033	.0034	.0004	.0004	.0007	.0002
56	.311	.0033	.0033	.0003	.0003	.0005	.0002
57	.317	.0034	.0033	.0003	.0003	.0005	.0002
58	.322	.0032	.0031	.0001	.0001	.0002	.0001
59	.328	.0043	.0026	.0000	.0000	.0000	.0000
60	.333	.0022	.0023	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 10, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 26/4/58 AV. T= 8.1 RECORD = DL 30
HOUR = 3 SIG.HGT. = 10.1
TOTAL DF =209 CORR. VAR. = 10.2
NOISE LEVEL = .0034 WIND SPEED = 30

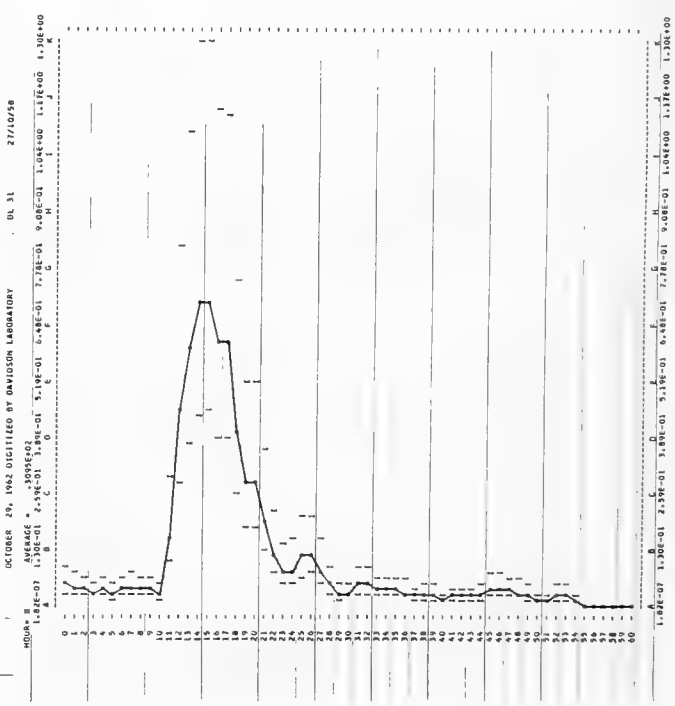
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0478	.0478	.0423	.0423	.0781	.0270
1	.006	.1227	.1227	.1173	.1173	.1562	.0747
2	.011	.1998	.1998	.1944	.1944	.2383	.1238
3	.017	.1574	.1574	.1520	.1520	.2004	.0968
4	.022	.0845	.0845	.0791	.0791	.1458	.0564
5	.028	.0297	.0297	.0243	.0243	.0938	.0193
6	.033	.0174	.0174	.0119	.0119	.0356	.0113
7	.039	.0224	.0224	.0170	.0233	.0438	.0144
8	.044	.0238	.0238	.0184	.0225	.0421	.0146
9	.050	.0198	.0198	.0144	.0170	.0313	.0108
10	.056	.0218	.0218	.0164	.0187	.0344	.0114
11	.061	.0240	.0240	.0236	.0267	.0494	.0176
12	.067	.1323	.1323	.1269	.1439	.2653	.0917
13	.072	.3878	.3878	.3824	.4416	.8134	.2812
14	.078	.7863	.7863	.7809	.9032	1.6648	.5751
15	.083	1.6247	1.6247	1.6193	1.8758	3.4436	.8442
16	.089	1.6247	1.6247	1.6193	1.8693	3.4133	.8337
17	.094	.9162	.9162	.9107	1.4294	2.6668	.7831
18	.100	.9187	.9187	.9133	1.3029	2.4032	.8307
19	.106	.7603	.7603	.7549	1.0557	1.9459	.8742
20	.111	.5023	.5023	.4968	.8069	1.4973	.9136
21	.117	.3820	.3820	.3766	.6569	1.2108	.9140
22	.122	.2598	.2598	.2542	.4786	.9021	.9307
23	.128	.2835	.2835	.2781	.3677	1.6484	.3815
24	.133	.2809	.2809	.2814	.4284	1.1934	.3986
25	.139	.1941	.1941	.1887	.4594	.8467	.2945
26	.144	.1542	.1542	.1488	.2981	.7334	.2535
27	.150	.1759	.1759	.1704	.2032	.4275	.3204
28	.156	.1408	.1408	.1414	.4826	.8527	.2946
29	.161	.1074	.1074	.1020	.3714	.6840	.2365
30	.167	.0963	.0963	.0958	.3694	.6817	.2355
31	.172	.0692	.0692	.0638	.4913	.5308	.1855
32	.178	.0587	.0587	.0533	.2743	.5056	.1747
33	.183	.0642	.0642	.0548	.2187	.3875	.2030
34	.189	.0482	.0482	.0428	.2831	.5219	.1843
35	.194	.0306	.0252	.0252	.1900	.3503	.1210
36	.200	.0251	.0251	.0197	.1701	.3134	.1083
37	.206	.0261	.0261	.0207	.2048	.3776	.1304
38	.211	.0196	.0196	.0141	.1814	.2485	.1031
39	.217	.0124	.0124	.0070	.0934	.1721	.0594
40	.222	.0088	.0088	.0034	.0434	.0803	.0044
41	.228	.0161	.0097	.0043	.0443	.0079	.0027
42	.233	.0101	.0098	.0044	.0044	.0081	.0026
43	.239	.0095	.0095	.0036	.0036	.0066	.0023
44	.244	.0112	.0109	.0055	.0055	.0101	.0035
45	.250	.0158	.0138	.0084	.0084	.0154	.0053
46	.256	.0123	.0122	.0068	.0068	.0125	.0043
47	.261	.0066	.0064	.0028	.0028	.0052	.0018
48	.267	.0066	.0075	.0021	.0021	.0038	.0013
49	.272	.0169	.0110	.0066	.0048	.0085	.0030
50	.278	.0117	.0117	.0063	.0063	.0110	.0040
51	.283	.0115	.0105	.0051	.0051	.0094	.0032
52	.289	.0063	.0063	.0029	.0029	.0053	.0018
53	.294	.0053	.0036	.0004	.0004	.0008	.0003
54	.300	.0044	.0044	.0000	.0000	.0000	.0000
55	.306	.0043	.0042	.0000	.0000	.0000	.0000
56	.311	.0041	.0042	.0000	.0000	.0000	.0000
57	.317	.0042	.0042	.0000	.0000	.0000	.0000
58	.322	.0041	.0042	.0000	.0000	.0000	.0000
59	.328	.0042	.0042	.0000	.0000	.0000	.0000
60	.333	.0042	.0042	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58 AV. T= 8.7 RECORD = DL 31
HOUR = 0 SIG.HGT. = 10.6 UPPER HGT. = 14.4
TOTAL DF =165 CORR. VAR. = 6.8 LOWER HGT. = 9.5
NOISE LEVEL = .0023 WIND SPEED = 20

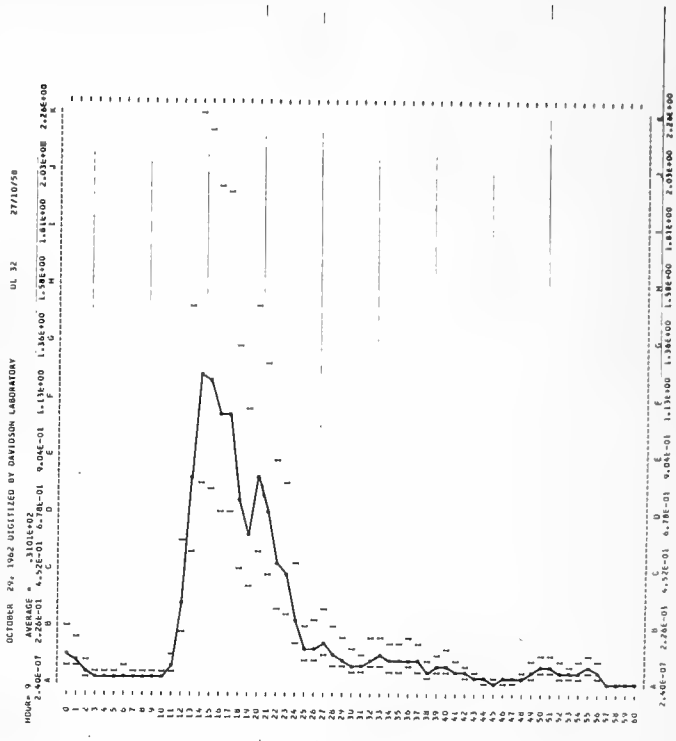
N	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0494	.0494	.0471	.0471	.0868	.0300
1	.006	.0461	.0461	.0438	.0438	.0807	.0279
2	.011	.0359	.0359	.0336	.0336	.0619	.0214
3	.017	.0335	.0335	.0313	.0313	.0576	.0199
4	.022	.0348	.0348	.0325	.0325	.0600	.0207
5	.028	.0272	.0272	.0250	.0250	.0460	.0159
6	.033	.0236	.0236	.0214	.0337	.0620	.0214
7	.039	.0341	.0341	.0318	.0422	.0778	.0269
8	.044	.0328	.0328	.0306	.0364	.0671	.0232
9	.050	.0334	.0334	.0311	.0346	.0637	.0220
10	.056	.0299	.0299	.0276	.0293	.0540	.0187
11	.061	.1573	.1573	.1551	.1609	.2965	.1024
12	.067	.4416	.4416	.4393	.4506	.8306	.2869
13	.072	.5776	.5753	.5903	1.0880	.3759
14	.078	.6799	.6799	.6777	.7016	1.2927	.4466
15	.083	.6714	.6714	.6691	.7035	1.2966	.4479
16	.089	.5813	.5790	.6157	1.1347	.3920
17	.094	.5578	.5578	.5555	.6129	1.1297	.3903
18	.100	.3595	.3572	.4067	.7496	.2590
19	.106	.2428	.2405	.2840	.5234	.1808
20	.111	.2328	.2328	.2305	.2831	.5218	.1802
21	.117	.1548	.1548	.1525	.1955	.3603	.1245
22	.122	.0898	.0898	.0875	.1175	.2165	.0748
23	.128	.0552	.0552	.0529	.0746	.1376	.0475
24	.133	.0583	.0583	.0560	.0833	.1535	.0530
25	.139	.0730	.0730	.0707	.1112	.2049	.0708
26	.144	.0711	.0711	.0689	.1149	.2117	.0731
27	.150	.0491	.0491	.0468	.0830	.1530	.0529
28	.156	.0271	.0271	.0248	.0470	.0866	.0299
29	.161	.0173	.0173	.0151	.0305	.0562	.0194
30	.167	.0168	.0168	.0145	.0315	.0581	.0201
31	.172	.0223	.0223	.0200	.0467	.0861	.0298
32	.178	.0212	.0212	.0190	.0477	.0880	.0304
33	.183	.0158	.0158	.0135	.0367	.0677	.0234
34	.189	.0134	.0134	.0111	.0328	.0605	.0209
35	.194	.0128	.0128	.0105	.0336	.0619	.0214
36	.200	.0115	.0115	.0092	.0320	.0590	.0204
37	.206	.0085	.0085	.0062	.0237	.0436	.0151
38	.211	.0084	.0084	.0061	.0253	.0467	.0161
39	.217	.0078	.0078	.0055	.0251	.0462	.0160
40	.222	.0058	.0058	.0035	.0175	.0322	.0111
41	.228	.0060	.0059	.0036	.0199	.0367	.0127
42	.233	.0056	.0056	.0034	.0207	.0382	.0132
43	.239	.0046	.0053	.0030	.0204	.0376	.0130
44	.244	.0045	.0045	.0040	.0301	.0556	.0192
45	.250	.0080	.0073	.0051	.0427	.0787	.0272
46	.256	.0068	.0068	.0045	.0427	.0786	.0272
47	.261	.0056	.0056	.0033	.0352	.0649	.0224
48	.267	.0051	.0049	.0027	.0317	.0584	.0202
49	.272	.0042	.0042	.0019	.0257	.0474	.0164
50	.278	.0028	.0033	.0010	.0152	.0280	.0097
51	.283	.0032	.0033	.0010	.0168	.0310	.0107
52	.289	.0042	.0038	.0015	.0288	.0531	.0183
53	.294	.0036	.0035	.0012	.0269	.0496	.0171
54	.300	.0025	.0027	.0004	.0109	.0201	.0069
55	.306	.0023	.0023	.0000	.0000	.0000	.0000
56	.311	.0021	.0020	.0000	.0000	.0000	.0000
57	.317	.0016	.0017	.0000	.0000	.0000	.0000
58	.322	.0013	.0013	.0000	.0000	.0000	.0000
59	.328	.0011	.0011	.0000	.0000	.0000	.0000
60	.333	.0011	.0011	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58 | AV. T= 8.1 | RECORD = DL 32
HOUR = 9 | SIG.HGT. = 14.0 | UPPER HGT. = 15.3
TOTAL DF =174 | CORR. VAR. = 12.3 | LOWER HGT. = 12.8
NOISE LEVEL = .0068 | WIND SPEED = 35

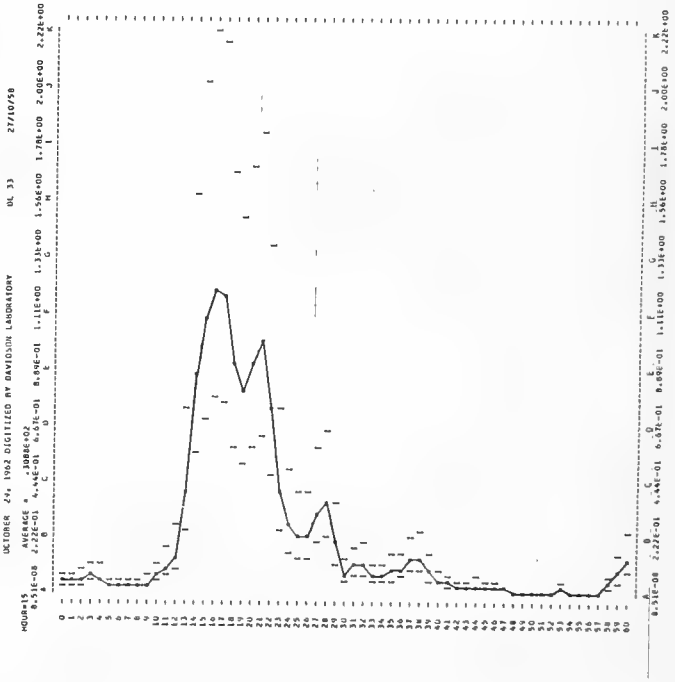
H	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1267	.1267	.1200	.1200	.2211	.0764
1	.006	.1003	.1003	.0936	.0936	.1725	.0596
2	.011	.0532	.0532	.0464	.0464	.0856	.0296
3	.017	.0338	.0338	.0270	.0270	.0499	.0172
4	.022	.0329	.0329	.0262	.0262	.0483	.0167
5	.028	.0277	.0277	.0209	.0209	.0385	.0133
6	.033	.0266	.0266	.0199	.0313	.0577	.0199
7	.039	.0275	.0275	.0208	.0276	.0509	.0176
8	.044	.0248	.0248	.0180	.0214	.0395	.0136
9	.050	.0264	.0264	.0196	.0218	.0402	.0139
10	.056	.0284	.0284	.0216	.0230	.0424	.0146
11	.061	.0713	.0713	.0645	.0869	.1234	.0426
12	.067	.3086	.3086	.3018	.3096	.5706	.1971
13	.072	.7948	.7948	.7880	.8085	1.4903	.5148
14	.078	1.1916	1.1918	1.1848	1.2263	2.2602	.7808
15	.083	1.1381	1.1381	1.1313	1.1804	2.1923	.7574
16	.089	1.0057	1.0057	.9989	1.0621	1.9577	.6763
17	.094	.9655	.9655	.9587	1.0579	1.9498	.6736
18	.100	.6420	.6420	.6352	.7231	1.3328	.4604
19	.106	.5033	.5033	.4965	.5862	1.0804	.3732
20	.111	.4866	.4866	.4798	.6103	1.4935	.5159
21	.117	.5383	.5383	.5316	.6813	1.2557	.4338
22	.122	.3616	.3616	.3548	.4763	.8780	.3033
23	.128	.3083	.3083	.3015	.4253	.7838	.2708
24	.133	.1801	.1801	.1734	.2578	.4752	.1642
25	.139	.0868	.0868	.0800	.1259	.2320	.0801
26	.144	.0898	.0898	.0831	.1386	.2554	.0882
27	.150	.0979	.0979	.0911	.1610	.2979	.1029
28	.156	.0724	.0724	.0656	.1242	.2289	.0791
29	.161	.0533	.0533	.0465	.0941	.1735	.0599
30	.167	.0388	.0388	.0320	.0693	.1280	.0442
31	.172	.0334	.0334	.0266	.0621	.1145	.0396
32	.178	.0450	.0450	.0382	.0963	.1774	.0613
33	.183	.0444	.0444	.0376	.1022	.1884	.0651
34	.189	.0359	.0359	.0291	.0858	.1582	.0546
35	.194	.0329	.0329	.0262	.0838	.1545	.0534
36	.200	.0346	.0346	.0278	.0971	.1790	.0618
37	.206	.0284	.0284	.0217	.0825	.1520	.0525
38	.211	.0181	.0181	.0114	.0475	.0875	.0302
39	.217	.0206	.0206	.0139	.0635	.1170	.0404
40	.222	.0218	.0218	.0150	.0757	.1395	.0482
41	.228	.0157	.0166	.0099	.0548	.1010	.0349
42	.233	.0132	.0133	.0065	.0400	.0738	.0255
43	.239	.0111	.0111	.0043	.0293	.0540	.0187
44	.244	.0083	.0089	.0022	.0184	.0301	.0104
45	.250	.0079	.0081	.0013	.0110	.0203	.0070
46	.256	.0084	.0082	.0014	.0135	.0249	.0086
47	.261	.0074	.0081	.0013	.0139	.0257	.0089
48	.267	.0092	.0091	.0023	.0278	.0513	.0177
49	.272	.0111	.0105	.0038	.0504	.0929	.0321
50	.278	.0109	.0108	.0040	.0605	.1116	.0385
51	.283	.0104	.0102	.0034	.0587	.1081	.0373
52	.289	.0087	.0091	.0023	.0450	.0829	.0286
53	.294	.0083	.0085	.0017	.0382	.0704	.0243
54	.300	.0087	.0086	.0019	.0470	.0867	.0299
55	.306	.0091	.0088	.0020	.0578	.1065	.0368
56	.311	.0087	.0083	.0015	.0495	.0913	.0315
57	.317	.0068	.0066	.0000	.0080	.0000	.0000
58	.322	.0036	.0060	.0000	.0000	.0000	.0000
59	.328	.0015	.0020	.0000	.0000	.0000	.0060
60	.333	.0015	.0015	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58 | AV. T= 7.9 | RECORD = DL 33
HOUR = 15 | SIG.HGT. = 14.5 | UPPER HGT. = 15.8
TOTAL DF =180 | CORR. VAR. = 13.1 | LOWER HGT. = 13.3
NOISE LEVEL = .0055 | WIND SPEED = 35

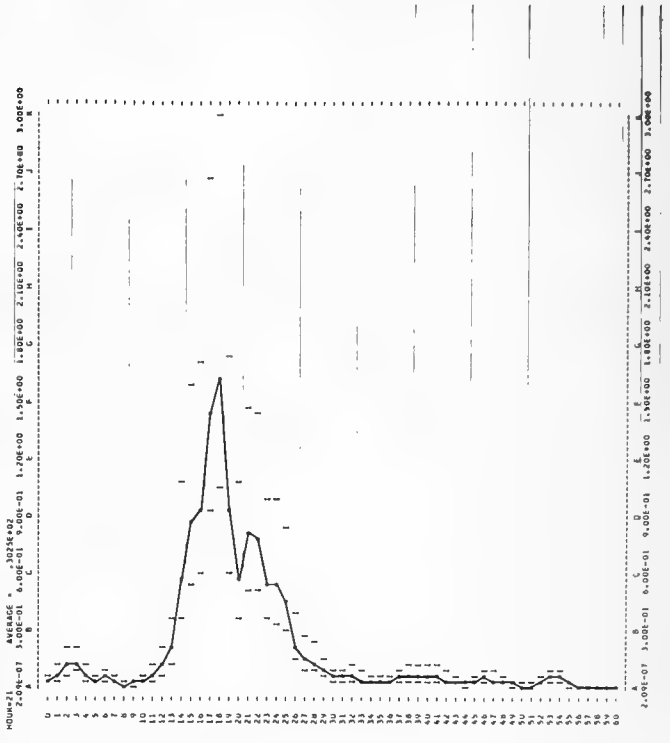
H	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0402	.0402	.0347	.0347	.0639	.0221
1	.006	.0393	.0393	.0338	.0338	.0623	.0215
2	.011	.0487	.0487	.0432	.0432	.0796	.0275
3	.017	.0682	.0682	.0627	.0627	.1155	.0399
4	.022	.0601	.0601	.0546	.0546	.1006	.0348
5	.028	.0323	.0323	.0267	.0267	.0492	.0170
6	.033	.0213	.0213	.0158	.0249	.0458	.0158
7	.039	.0231	.0231	.0175	.0233	.0429	.0148
8	.044	.0212	.0212	.0157	.0187	.0344	.0119
9	.050	.0356	.0356	.0300	.0333	.0614	.0212
10	.056	.0614	.0614	.0558	.0594	.1094	.0378
11	.061	.0938	.0938	.0883	.0916	.1688	.0583
12	.067	.1437	.1437	.1381	.1417	.2611	.0902
13	.072	.3938	.3938	.3883	.3983	.7342	.2536
14	.078	.8341	.8341	.8286	.8576	1.5807	.5461
15	.083	1.0494	1.0494	1.0439	1.0975	2.0229	.6988
16	.089	1.1392	1.1392	1.1337	1.2054	2.2218	.7675
17	.094	1.0755	1.0755	1.0699	1.1806	2.1760	.7517
18	.100	.8002	.8002	.7946	.9046	1.6673	.5760
19	.106	.6923	.6923	.6867	.8167	1.4962	.5162
20	.111	.7554	.7554	.7498	.9208	1.6972	.5863
21	.117	.7780	.7780	.7725	.9001	1.8249	.6304
22	.122	.5593	.5593	.5537	.7433	1.3701	.4733
23	.128	.2848	.2848	.2792	.3939	.7260	.2508
24	.133	.1805	.1805	.1750	.2602	.4795	.1657
25	.139	.1455	.1455	.1400	.2202	.4059	.1402
26	.144	.1375	.1375	.1319	.2201	.4058	.1402
27	.150	.1805	.1805	.1750	.3103	.5720	.1976
28	.156	.1913	.1913	.1857	.3514	.6477	.2237
29	.161	.0990	.0990	.0935	.1891	.3486	.1204
30	.167	.0364	.0364	.0308	.0669	.1233	.0426
31	.172	.0491	.0491	.0435	.1015	.1871	.0646
32	.178	.0488	.0488	.0433	.1090	.2006	.0694
33	.183	.0297	.0297	.0242	.0658	.1212	.0419
34	.189	.0267	.0267	.0211	.0623	.1148	.0397
35	.194	.0307	.0307	.0252	.0806	.1485	.0513
36	.200	.0308	.0308	.0252	.0880	.1622	.0560
37	.206	.0387	.0387	.0332	.1264	.2330	.0805
38	.211	.0377	.0377	.0322	.1342	.2474	.0855
39	.217	.0236	.0236	.0180	.0826	.1522	.0526
40	.222	.0160	.0160	.0104	.0526	.0970	.0335
41	.228	.0129	.0110	.0074	.0413	.0761	.0263
42	.233	.0091	.0101	.0046	.0280	.0516	.0178
43	.239	.0091	.0093	.0037	.0256	.0471	.0163
44	.244	.0108	.0099	.0043	.0323	.0595	.0205
45	.250	.0084	.0088	.0032	.0273	.0503	.0174
46	.256	.0077	.0087	.0022	.0208	.0384	.0133
47	.261	.0079	.0077	.0017	.0179	.0329	.0114
48	.267	.0054	.0057	.0002	.0020	.0038	.0013
49	.272	.0044	.0055	.0000	.0000	.0000	.0000
50	.278	.0036	.0055	.0000	.0000	.0000	.0000
51	.283	.0037	.0055	.0000	.0000	.0000	.0000
52	.289	.0056	.0053	.0000	.0000	.0000	.0000
53	.294	.0079	.0068	.0017	.0269	.0497	.0172
54	.300	.0054	.0056	.0001	.0021	.0039	.0013
55	.306	.0079	.0058	.0000	.0000	.0000	.0000
56	.311	.0036	.0058	.0000	.0000	.0000	.0000
57	.317	.0055	.0053	.0000	.0000	.0000	.0000
58	.322	.0063	.0063	.0008	.0343	.0633	.0219
59	.328	.0072	.0071	.0016	.0748	.1452	.0502
60	.333	.0088	.0077	.0022	.1267	.2335	.0807



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 27/10/58 AV. T= 8.3 RECORD = DL 34
HOUR = 21 SIG.HGT. = 14.2 UPPER HGT. = 15.6
TOTAL DF =157 CORR. VAR. = 12.7 LOWER HGT. = 13.0
NOISE LEVEL = .0039 WIND SPEED = 30

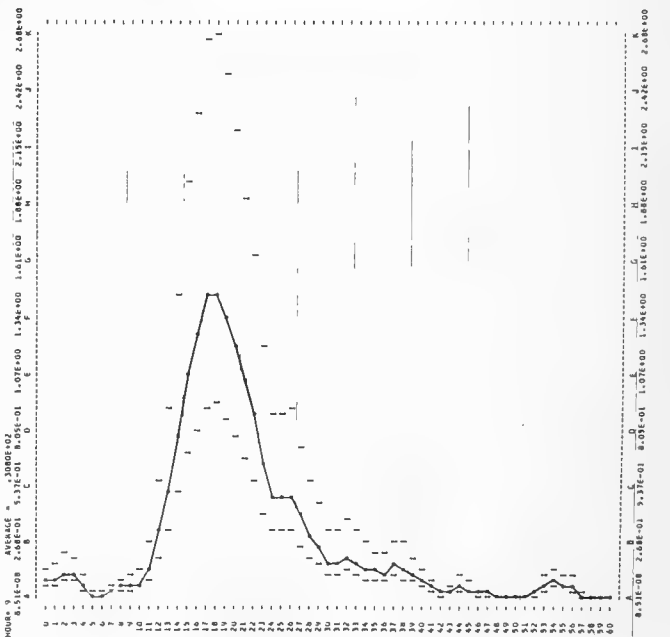
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0396	.0396	.0357	.0357	.0458	.0227
1	.006	.0681	.0661	.0621	.0621	.1145	.0396
2	.011	.1202	.1202	.1163	.1163	.2143	.0760
3	.017	.1243	.1243	.1204	.1204	.2219	.0767
4	.022	.0674	.0674	.0635	.0635	.1171	.0405
5	.028	.0369	.0369	.0330	.0330	.0608	.0210
6	.033	.0400	.0400	.0361	.0569	.1049	.0362
7	.039	.0282	.0282	.0243	.0323	.0593	.0206
8	.044	.0116	.0116	.0077	.0091	.0169	.0058
9	.050	.0176	.0176	.0137	.0152	.0279	.0097
10	.056	.0287	.0287	.0248	.0266	.0487	.0168
11	.061	.0634	.0634	.0595	.0617	.1138	.0393
12	.067	.1098	.1098	.1059	.1086	.2003	.0692
13	.072	.1976	.1976	.1937	.1987	.3663	.1265
14	.078	.5675	.5636	.5833	1.0751	.3714	
15	.083	.8321	.8321	.8282	.8707	1.6049	.5544
16	.089	.8727	.8688	.9238	1.7026	.5882	
17	.094	1.3192	1.3153	1.4513	2.6750	.9241	
18	.100	1.4336	1.4336	1.4297	1.6275	2.9998	1.0363
19	.106	.8003	.7964	.9401	1.7328	.5986	
20	.111	.4801	.4801	.4762	.5848	1.0778	.3726
21	.117	.6274	.6274	.6235	.7991	1.4728	.5088
22	.122	.5896	.5896	.5857	.7862	1.4491	.5006
23	.128	.3890	.3890	.3851	.5432	1.0013	.3459
24	.133	.3655	.3655	.3616	.5378	.9912	.3424
25	.139	.2942	.2942	.2903	.4566	.8416	.2908
26	.144	.1331	.1292	.2156	.3973	.1373	
27	.150	.0848	.0848	.0809	.1434	.2643	.0913
28	.156	.0691	.0691	.0652	.1233	.2272	.0785
29	.161	.0456	.0456	.0417	.0844	.1555	.0537
30	.167	.0270	.0270	.0231	.0500	.0922	.0319
31	.172	.0242	.0242	.0203	.0473	.0873	.0301
32	.178	.0277	.0277	.0238	.0600	.1105	.0382
33	.183	.0200	.0200	.0161	.0438	.0808	.0279
34	.189	.0128	.0128	.0089	.0261	.0482	.0166
35	.194	.0118	.0118	.0079	.0252	.0465	.0161
36	.200	.0141	.0141	.0102	.0355	.0655	.0226
37	.206	.0178	.0178	.0139	.0531	.0978	.0338
38	.211	.0204	.0204	.0165	.0687	.1266	.0437
39	.217	.0186	.0186	.0147	.0672	.1239	.0428
40	.222	.0176	.0176	.0136	.0688	.1267	.0438
41	.228	.0157	.0150	.0111	.0619	.1142	.0394
42	.233	.0105	.0112	.0073	.0448	.0827	.0286
43	.239	.0076	.0081	.0042	.0289	.0533	.0184
44	.244	.0063	.0070	.0031	.0235	.0433	.0149
45	.250	.0079	.0078	.0039	.0326	.0601	.0208
46	.256	.0099	.0089	.0050	.0475	.0876	.0303
47	.261	.0081	.0081	.0042	.0444	.0819	.0283
48	.267	.0062	.0044	.0025	.0298	.0549	.0190
49	.272	.0052	.0053	.0014	.0181	.0333	.0115
50	.278	.0040	.0044	.0005	.0082	.0150	.0052
51	.283	.0043	.0046	.0007	.0118	.0218	.0075
52	.289	.0064	.0059	.0020	.0382	.0704	.0243
53	.294	.0068	.0064	.0025	.0554	.1021	.0353
54	.300	.0056	.0057	.0018	.0458	.0844	.0292
55	.306	.0047	.0047	.0008	.0216	.0399	.0138
56	.311	.0033	.0034	.0000	.0000	.0000	.0000
57	.317	.0021	.0024	.0000	.0000	.0000	.0000
58	.322	.0018	.0019	.0000	.0000	.0000	.0000
59	.328	.0020	.0020	.0000	.0000	.0000	.0000
60	.333	.0022	.0021	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58 AV. T= 8.0 RECORD = DL 35
HOUR = 9 SIG.HGT. = 16.6 UPPER HGT. = 18.0
TOTAL DF =200 CORR. VAR. = 17.3 LOWER HGT. = 15.3
NOISE LEVEL = .0128 WIND SPEED = 30

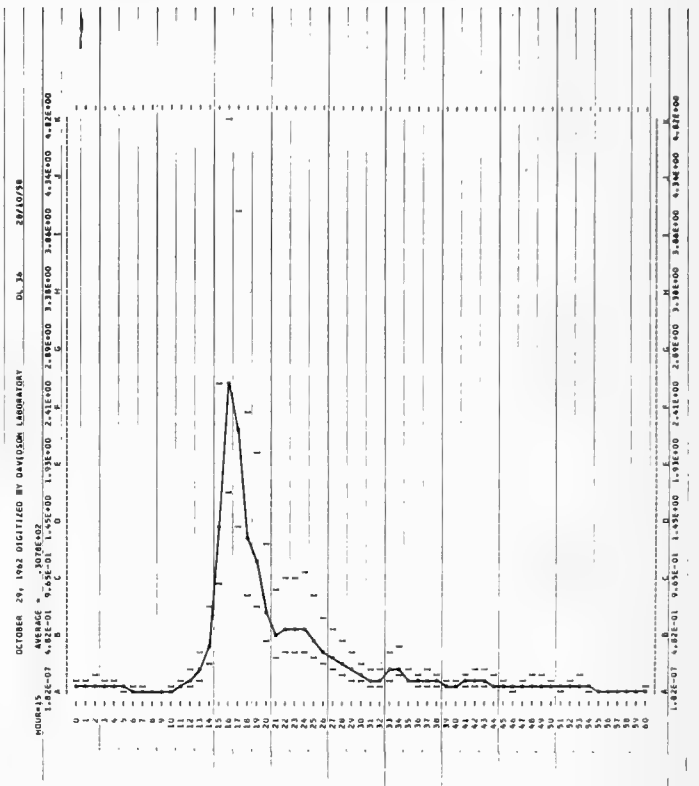
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0831	.0831	.0703	.0703	.1296	.0448
1	.006	.1020	.1020	.0893	.0893	.1645	.0568
2	.011	.1316	.1316	.1189	.1189	.2191	.0757
3	.017	.1188	.1188	.1061	.1061	.1955	.0675
4	.022	.0847	.0847	.0519	.0519	.0957	.0331
5	.028	.0237	.0237	.0109	.0109	.0201	.0070
6	.033	.0188	.0188	.0060	.0095	.0176	.0061
7	.039	.0368	.0368	.0240	.0319	.0588	.0203
8	.044	.0532	.0532	.0404	.0481	.0887	.0306
9	.050	.0631	.0504	.0559	.1030	.0356	
10	.056	.0747	.0747	.0620	.0659	.1214	.0420
11	.061	.1489	.1489	.1361	.1413	.2604	.0899
12	.067	.3175	.3175	.3048	.3126	.5761	.1990
13	.072	.4989	.4989	.4862	.4988	.9194	.3176
14	.078	.7719	.7592	.7858	1.4483	.5003	
15	.083	1.0425	1.0425	1.0297	1.0827	1.9955	.6894
16	.089	1.1895	1.1895	1.1767	1.2512	2.3062	.7967
17	.094	1.3243	1.3243	1.3115	1.4471	2.6672	.9214
18	.100	1.2918	1.2918	1.2790	1.4561	2.6837	.9271
19	.106	1.1542	1.1542	1.1415	1.3475	2.4836	.8580
20	.111	1.0005	1.0005	.9877	1.2129	2.2356	.7723
21	.117	.8245	.8245	.8117	1.0404	1.9176	.6625
22	.122	.6755	.6755	.6628	.8897	1.6398	.5665
23	.128	.4750	.4750	.4622	.6520	1.2017	.4152
24	.133	.3405	.3405	.3277	.4873	.8982	.3103
25	.139	.3217	.3217	.3089	.4659	.8956	.3094
26	.144	.3097	.3097	.2970	.4955	.9133	.3155
27	.150	.2367	.2367	.2240	.3972	.7321	.2529
28	.156	.1749	.1749	.1621	.3067	.5653	.1953
29	.161	.1372	.1372	.1245	.2518	.4642	.1604
30	.167	.0901	.0901	.0773	.1678	.3093	.1069
31	.172	.0863	.0863	.0736	.1716	.3163	.1093
32	.178	.0916	.0916	.0788	.1984	.3656	.1263
33	.183	.0767	.0767	.0640	.1739	.3205	.1107
34	.189	.0616	.0616	.0488	.1440	.2654	.0917
35	.194	.0505	.0505	.0378	.1209	.2229	.0770
36	.200	.0464	.0464	.0337	.1175	.2166	.0748
37	.206	.0526	.0526	.0398	.1517	.2795	.0966
38	.211	.0481	.0481	.0353	.1472	.2714	.0938
39	.217	.0362	.0362	.0234	.1072	.1977	.0683
40	.222	.0286	.0286	.0159	.0799	.1473	.0509
41	.228	.0183	.0203	.0075	.0419	.0771	.0266
42	.233	.0137	.0158	.0031	.0189	.0348	.0120
43	.239	.0186	.0177	.0049	.0335	.0617	.0213
44	.244	.0219	.0199	.0071	.0542	.0998	.0345
45	.250	.0162	.0172	.0044	.0372	.0686	.0237
46	.256	.0136	.0144	.0017	.0157	.0289	.0100
47	.261	.0156	.0144	.0017	.0175	.0322	.0111
48	.267	.0122	.0130	.0002	.0025	.0047	.0016
49	.272	.0115	.0120	.0000	.0000	.0000	.0000
50	.278	.0135	.0128	.0001	.0012	.0022	.0008
51	.283	.0124	.0129	.0002	.0026	.0048	.0017
52	.289	.0131	.0135	.0007	.0137	.0252	.0087
53	.294	.0163	.0153	.0026	.0563	.1038	.0359
54	.300	.0155	.0156	.0028	.0713	.1314	.0454
55	.306	.0150	.0150	.0023	.0647	.1192	.0412
56	.311	.0152	.0146	.0018	.0597	.1100	.0380
57	.317	.0128	.0130	.0002	.0087	.0160	.0055
58	.322	.0115	.0112	.0000	.0000	.0000	.0000
59	.328	.0087	.0091	.0000	.0000	.0000	.0000
60	.333	.0062	.0074	.0000	.0000	.0000	.0000



SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58 AV. T= 7.9 RECORD = DL 36
HOUR = 13 SIG.HGT. = 16.0 UPPER HGT. = 17.7
TOTAL OF =134 CORR. VAR. = 16.0 LOWER HGT. = 14.5
NOISE LEVEL = .0026 WIND SPEED = 35

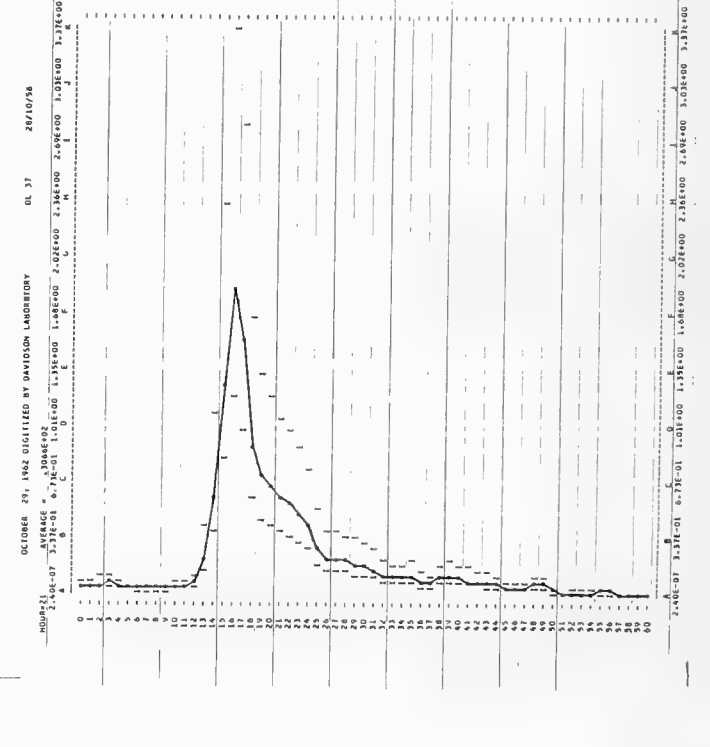
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0543	.0543	.0467	.0467	.0861	.0297
1	.006	.0657	.0657	.0581	.0581	.1071	.0370
2	.011	.0756	.0756	.0678	.0678	.1250	.0432
3	.017	.0689	.0689	.0612	.0612	.1129	.0390
4	.022	.0545	.0545	.0468	.0468	.0863	.0298
5	.028	.0321	.0321	.0245	.0245	.0452	.0156
6	.033	.0204	.0204	.0128	.0202	.0372	.0128
7	.039	.0221	.0221	.0145	.0192	.0354	.0122
8	.044	.0167	.0167	.0091	.0108	.0199	.0069
9	.050	.0140	.0140	.0064	.0071	.0131	.0045
10	.056	.0276	.0276	.0200	.0217	.0392	.0135
11	.061	.0591	.0515	.0339	.0336	.0985	.0340
12	.067	.1094	.1094	.1017	.1043	.1923	.0664
13	.072	.1874	.1874	.1798	.1844	.3399	.1174
14	.078	.3858	.3858	.3782	.3916	.7214	.2492
15	.083	1.3563	1.3563	1.3487	1.4180	2.6137	.9029
16	.089	2.4690	2.4690	2.4613	2.6171	4.8238	1.6664
17	.094	1.9996	1.9996	1.9920	2.1979	4.0511	1.3995
18	.100	1.1417	1.1417	1.1341	1.2910	2.3795	.8220
19	.106	.9422	.9422	.9346	1.1033	2.0335	.7025
20	.111	.5722	.5722	.5646	.6933	1.2779	.4415
21	.117	.3656	.3656	.3580	.4588	.8456	.2921
22	.122	.3903	.3903	.3826	.5137	.9468	.3271
23	.128	.3704	.3704	.3628	.5117	.9431	.3258
24	.133	.3728	.3728	.3652	.5430	1.0009	.3458
25	.139	.2943	.2943	.2867	.4510	.8313	.2872
26	.144	.2129	.2129	.2053	.3429	.6321	.2184
27	.150	.1712	.1712	.1636	.2901	.5347	.1847
28	.156	.1267	.1267	.1191	.2253	.4153	.1435
29	.161	.0926	.0926	.0850	.1719	.3168	.1094
30	.167	.0685	.0685	.0609	.1321	.2434	.0841
31	.172	.0501	.0501	.0425	.0991	.1827	.0631
32	.178	.0496	.0496	.0419	.1059	.1945	.0672
33	.183	.0763	.0763	.0687	.1867	.3440	.1189
34	.189	.0775	.0775	.0698	.2058	.3794	.1311
35	.194	.0437	.0437	.0361	.1155	.2129	.0736
36	.200	.0297	.0297	.0221	.0772	.1423	.0491
37	.206	.0319	.0319	.0242	.0923	.1702	.0588
38	.211	.0259	.0259	.0182	.0760	.1401	.0484
39	.217	.0165	.0165	.0089	.0409	.0753	.0260
40	.222	.0163	.0163	.0087	.0436	.0804	.0278
41	.228	.0232	.0218	.0142	.0787	.1451	.0501
42	.233	.0267	.0245	.0169	.1041	.1918	.0663
43	.239	.0215	.0216	.0139	.0950	.1750	.0605
44	.244	.0154	.0165	.0088	.0671	.1237	.0427
45	.250	.0137	.0136	.0060	.0504	.0929	.0321
46	.256	.0106	.0116	.0040	.0376	.0694	.0240
47	.261	.0112	.0116	.0040	.0421	.0776	.0268
48	.267	.0148	.0134	.0058	.0686	.1264	.0437
49	.272	.0128	.0127	.0051	.0681	.1254	.0433
50	.278	.0098	.0105	.0029	.0434	.0798	.0276
51	.283	.0092	.0096	.0020	.0341	.0629	.0217
52	.289	.0108	.0104	.0028	.0533	.0982	.0339
53	.294	.0120	.0109	.0032	.0712	.1312	.0453
54	.300	.0084	.0087	.0010	.0256	.0472	.0163
55	.306	.0050	.0059	.0000	.0000	.0000	.0000
56	.311	.0050	.0051	.0000	.0000	.0000	.0000
57	.317	.0054	.0054	.0000	.0000	.0000	.0000
58	.322	.0051	.0026	.0000	.0000	.0000	.0000
59	.328	.0069	.0068	.0000	.0000	.0000	.0000
60	.333	.0091	.0080	.0004	.0223	.0411	.0142



SPECTRA WINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 28/10/58 AV. T= 7.9 RECORD = DL 37
HOUR = 21 SIG.HGT. = 14.3 UPPER HGT. = 15.7
TOTAL OF =154 CORR. VAR. = 12.8 LOWER HGT. = 13.1
NOISE LEVEL = .0050 WIND SPEED = 30

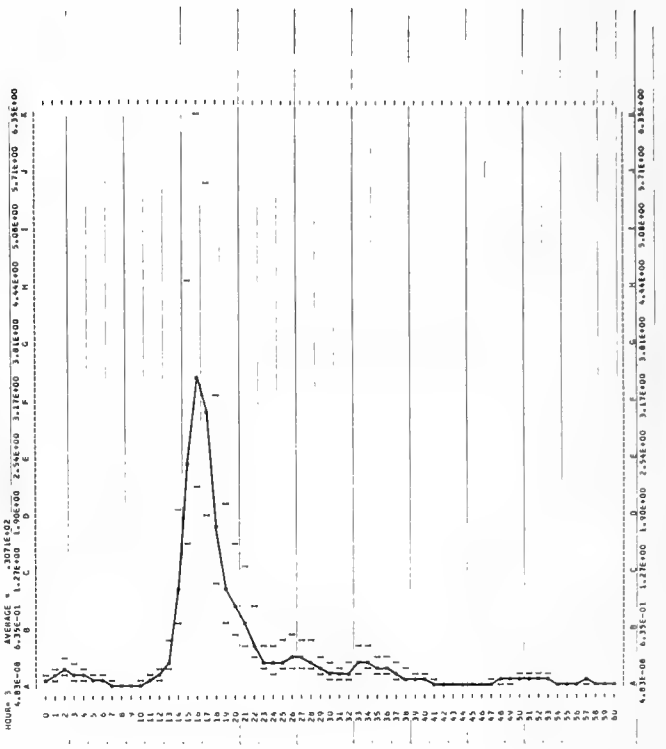
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0374	.0374	.0324	.0324	.0597	.0206
1	.006	.0441	.0441	.0391	.0391	.0720	.0249
2	.011	.0551	.0551	.0501	.0501	.0924	.0319
3	.017	.0572	.0572	.0422	.0422	.0982	.0332
4	.022	.0480	.0480	.0430	.0430	.0792	.0274
5	.028	.0323	.0323	.0273	.0273	.0504	.0174
6	.033	.0189	.0189	.0139	.0218	.0402	.0139
7	.039	.0181	.0181	.0131	.0174	.0321	.0111
8	.044	.0219	.0219	.0169	.0201	.0370	.0128
9	.050	.0252	.0252	.0202	.0224	.0414	.0143
10	.056	.0367	.0297	.0319	.0518	.0582	.0201
11	.061	.0439	.0439	.0389	.0403	.0743	.0257
12	.067	.0571	.0571	.0521	.0534	.0984	.0340
13	.072	.2119	.2119	.2069	.2123	.3913	.1352
14	.078	.5625	.5625	.5575	.5770	1.0635	.3674
15	.083	1.2016	1.2016	1.1966	1.2581	2.3189	.8011
16	.089	1.7223	1.7223	1.7173	1.8260	3.3655	1.1627
17	.094	1.3761	1.3761	1.3711	1.5129	2.7886	.9633
18	.100	.7850	.7850	.7800	.8879	1.6366	.5654
19	.106	.6083	.6083	.6033	.7122	1.3126	.4535
20	.111	.5255	.5255	.5205	.6392	1.1782	.4070
21	.117	.4449	.4449	.4399	.5638	1.0392	.3590
22	.122	.3999	.3998	.3948	.5301	.9770	.3375
23	.128	.3405	.3405	.3355	.4732	.8722	.3013
24	.133	.2734	.2734	.2684	.3902	.7358	.2542
25	.139	.1830	.1830	.1780	.2800	.5160	.1783
26	.144	.1255	.1255	.1205	.2010	.3705	.1280
27	.150	.1189	.1189	.1139	.2020	.3724	.1286
28	.156	.1061	.1061	.1011	.1913	.3526	.1218
29	.161	.0912	.0912	.0861	.1743	.3212	.1110
30	.167	.0830	.0830	.0780	.1693	.3121	.1078
31	.172	.0862	.0862	.0812	.1627	.2629	.0908
32	.178	.0466	.0466	.0416	.1047	.1930	.0667
33	.183	.0371	.0371	.0321	.0871	.1606	.0555
34	.189	.0359	.0359	.0309	.0911	.1679	.0580
35	.194	.0376	.0376	.0326	.1044	.1924	.0665
36	.200	.0270	.0270	.0219	.0766	.1411	.0488
37	.206	.0187	.0187	.0137	.0521	.0961	.0332
38	.211	.0254	.0254	.0204	.0851	.1568	.0542
39	.217	.0296	.0296	.0245	.1125	.2073	.0716
40	.222	.0232	.0232	.0182	.0916	.1688	.0583
41	.228	.0193	.0200	.0150	.0833	.1536	.0531
42	.233	.0190	.0181	.0131	.0806	.1485	.0513
43	.239	.0145	.0150	.0100	.0681	.1254	.0433
44	.244	.0113	.0118	.0068	.0517	.0952	.0329
45	.250	.0102	.0101	.0051	.0432	.0795	.0275
46	.256	.0079	.0088	.0038	.0355	.0655	.0226
47	.261	.0091	.0091	.0041	.0430	.0792	.0274
48	.267	.0113	.0102	.0052	.0619	.1140	.0394
49	.272	.0093	.0091	.0041	.0549	.1011	.0349
50	.278	.0058	.0065	.0015	.0229	.0423	.0146
51	.283	.0050	.0053	.0003	.0055	.0100	.0035
52	.289	.0060	.0056	.0006	.0122	.0225	.0078
53	.294	.0055	.0056	.0006	.0134	.0248	.0086
54	.300	.0051	.0054	.0004	.0097	.0179	.0062
55	.306	.0063	.0059	.0009	.0244	.0449	.0155
56	.311	.0059	.0057	.0007	.0218	.0402	.0139
57	.317	.0044	.0047	.0000	.0000	.0000	.0000
58	.322	.0040	.0041	.0000	.0000	.0000	.0000
59	.328	.0039	.0039	.0000	.0000	.0000	.0000
60	.333	.0039	.0039	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58 AV. T= 8.8 RECORD = DL 38
HOUR = 3 SIG.HGT. = 17.9 UPPER HGT. = 19.9
TOTAL DF =114 CORR. VAR. = 20.0 LOWER HGT. = 16.1
NOISE LEVEL = .0119 WIND SPEED = 30

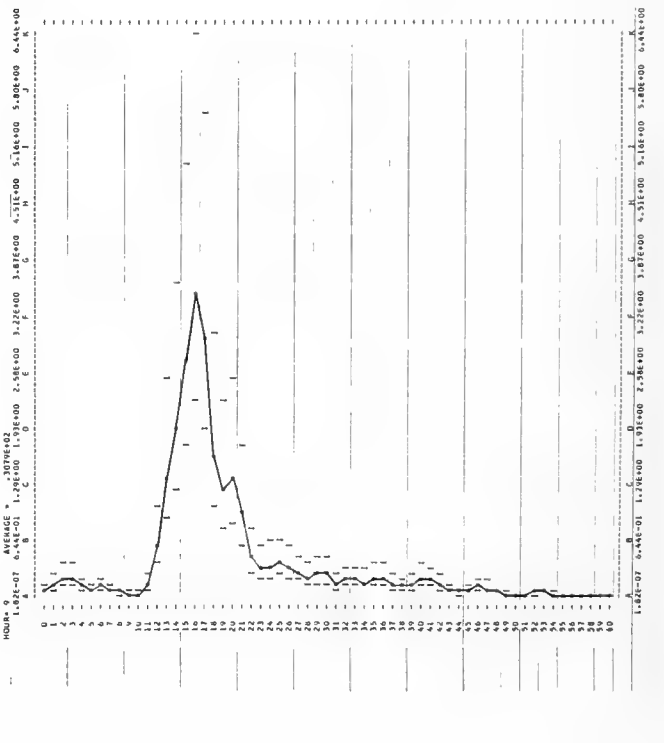
M	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0731	.0731	.0612	.0612	.1128	.0390
1	.006	.1247	.1247	.1126	.1128	.2079	.0718
2	.011	.1794	.1794	.1675	.1675	.3087	.1066
3	.017	.1608	.1608	.1488	.1488	.2743	.0948
4	.022	.1281	.1281	.1161	.1161	.2141	.0740
5	.028	.0945	.0945	.0826	.0826	.1523	.0526
6	.033	.0467	.0467	.0347	.0367	.1009	.0348
7	.039	.0264	.0264	.0145	.0192	.0354	.0122
8	.044	.0192	.0192	.0073	.0086	.0159	.0055
9	.050	.0185	.0185	.0066	.0073	.0134	.0046
10	.056	.0317	.0317	.0197	.0210	.0387	.0134
11	.061	.0694	.0694	.0574	.0596	.1098	.0379
12	.067	.1066	.1066	.0947	.0971	.1790	.0618
13	.072	.2763	.2763	.2644	.2713	.5000	.1727
14	.078	1.0519	1.0519	1.0400	1.0764	1.9839	.6854
15	.083	2.3476	2.3476	2.3357	2.4558	4.5263	1.5637
16	.089	3.2520	3.2520	3.2401	3.4452	6.3499	2.1937
17	.094	2.7477	2.7477	2.7357	3.0186	5.5637	1.9221
18	.100	1.5631	1.5631	1.5512	1.7659	3.2548	1.1244
19	.106	.9493	.9493	.9374	1.1066	2.0397	.7046
20	.111	.7249	.7249	.7130	.8755	1.6137	.5575
21	.117	.5808	.5808	.5689	.7291	1.3438	.4643
22	.122	.3599	.3599	.3480	.4671	.8610	.2976
23	.128	.1949	.1949	.1830	.2581	.4756	.1643
24	.133	.1677	.1677	.1558	.2316	.4270	.1475
25	.139	.1841	.1841	.1722	.2708	.4992	.1725
26	.144	.1940	.1940	.1821	.3037	.5599	.1934
27	.150	.1770	.1770	.1651	.2928	.5396	.1864
28	.156	.1533	.1533	.1414	.2675	.4930	.1703
29	.161	.0996	.0996	.0876	.1773	.3268	.1129
30	.167	.0701	.0701	.0581	.1262	.2325	.0803
31	.172	.0585	.0585	.0466	.1087	.2003	.0692
32	.178	.0659	.0659	.0539	.1357	.2502	.0864
33	.183	.1000	.1000	.0881	.2394	.4413	.1524
34	.189	.0968	.0968	.0849	.2502	.4611	.1593
35	.194	.0693	.0693	.0573	.1836	.3384	.1169
36	.200	.0576	.0576	.0457	.1596	.2941	.1016
37	.206	.0442	.0442	.0323	.1230	.2266	.0783
38	.211	.0339	.0339	.0220	.0918	.1692	.0585
39	.217	.0280	.0280	.0161	.0736	.1356	.0468
40	.222	.0231	.0231	.0112	.0563	.1038	.0359
41	.228	.0164	.0173	.0053	.0297	.0547	.0189
42	.233	.0120	.0132	.0012	.0077	.0141	.0049
43	.239	.0133	.0123	.0003	.0023	.0043	.0015
44	.244	.0096	.0104	.0000	.0000	.0000	.0000
45	.250	.0073	.0089	.0000	.0000	.0000	.0000
46	.256	.0123	.0116	.0000	.0000	.0000	.0000
47	.261	.0154	.0145	.0026	.0277	.0511	.0176
48	.267	.0149	.0151	.0032	.0379	.0698	.0241
49	.272	.0152	.0153	.0034	.0453	.0834	.0288
50	.278	.0161	.0159	.0040	.0604	.1112	.0384
51	.283	.0162	.0162	.0043	.0730	.1346	.0465
52	.289	.0168	.0162	.0043	.0826	.1523	.0526
53	.294	.0157	.0149	.0029	.0646	.1190	.0411
54	.300	.0101	.0113	.0000	.0000	.0000	.0000
55	.306	.0077	.0092	.0000	.0000	.0000	.0000
56	.311	.0119	.0111	.0000	.0000	.0000	.0000
57	.317	.0142	.0129	.0009	.0196	.0655	.0226
58	.322	.0110	.0112	.0000	.0000	.0000	.0000
59	.328	.0080	.0087	.0000	.0000	.0000	.0000
60	.333	.0074	.0077	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58 AV. T= 8.6 RECORD = DL 39
HOUR = 9 SIG.HGT. = 19.9 UPPER HGT. = 21.9
TOTAL DF =142 CORR. VAR. = 24.7 LOWER HGT. = 18.0
NOISE LEVEL = .0065 WIND SPEED = 30

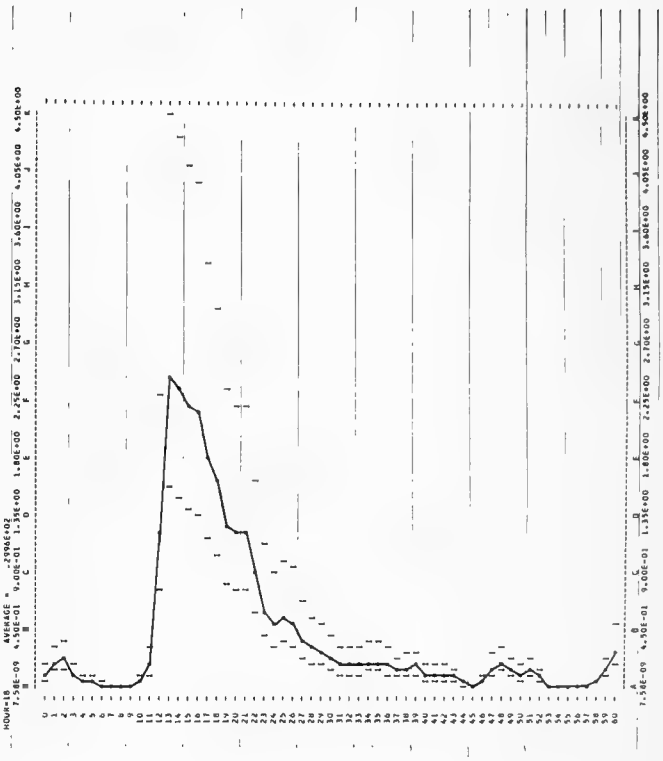
M	FRE.	UNIT-FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0750	.0750	.0685	.0685	.1263	.0436
1	.006	.1332	.1332	.1267	.1267	.2336	.0807
2	.011	.2198	.2198	.2134	.2134	.3933	.1359
3	.017	.2061	.2061	.1997	.1997	.3680	.1271
4	.022	.1262	.1262	.1197	.1197	.2206	.0762
5	.028	.0824	.0824	.0759	.0759	.1399	.0483
6	.033	.0884	.0884	.0819	.0975	.1797	.0621
7	.039	.0535	.0535	.0470	.0624	.1151	.0397
8	.044	.0412	.0412	.0348	.0414	.0763	.0264
9	.050	.0352	.0352	.0287	.0318	.0587	.0203
10	.056	.0367	.0367	.0302	.0321	.0592	.0205
11	.061	.1299	.1299	.1234	.1280	.2360	.0815
12	.067	.2586	.2586	.2522	.2664	1.0439	.3606
13	.072	1.3387	1.3387	1.3323	1.3669	2.5194	.8704
14	.078	1.9036	1.9036	1.8971	1.9635	3.6191	1.2503
15	.083	2.5588	2.5588	2.5524	2.6836	4.9462	1.7087
16	.089	3.2946	3.2946	3.2881	3.4963	6.4462	2.2262
17	.094	2.7189	2.7189	2.7125	2.9929	5.5184	1.9057
18	.100	1.4388	1.4388	1.4324	1.6306	3.0055	1.0383
19	.106	1.0324	1.0324	1.0259	1.2111	2.2322	.7711
20	.111	1.1072	1.1072	1.1007	1.3517	2.4913	.8607
21	.117	.7531	.7531	.7467	.9570	1.7639	.6094
22	.122	.3295	.3295	.3230	.4336	.7992	.2761
23	.128	.2286	.2286	.2221	.3133	.5774	.1995
24	.133	.2349	.2349	.2284	.3397	.6262	.2163
25	.139	.2336	.2336	.2271	.3573	.6586	.2275
26	.144	.1922	.1922	.1857	.3098	.5711	.1973
27	.150	.1492	.1492	.1427	.2531	.4665	.1612
28	.156	.1199	.1199	.1135	.2147	.3956	.1367
29	.161	.1305	.1305	.1240	.2509	.4625	.1598
30	.167	.1122	.1122	.1057	.2295	.4230	.1461
31	.172	.0648	.0648	.0584	.1362	.2509	.0867
32	.178	.0718	.0718	.0653	.1644	.3031	.1047
33	.183	.0720	.0720	.0655	.1781	.3282	.1134
34	.189	.0604	.0604	.0539	.1590	.2930	.1012
35	.194	.0674	.0674	.0610	.1952	.3597	.1243
36	.200	.0619	.0619	.0554	.1935	.3567	.1232
37	.206	.0462	.0462	.0397	.1512	.2786	.0963
38	.211	.0350	.0350	.0285	.1190	.2194	.0758
39	.217	.0393	.0393	.0328	.1504	.2773	.0958
40	.222	.0455	.0455	.0390	.1966	.3624	.1252
41	.228	.0386	.0376	.0312	.1734	.3195	.1104
42	.233	.0273	.0279	.0214	.1318	.2426	.0838
43	.239	.0163	.0183	.0118	.0804	.1482	.0512
44	.244	.0109	.0131	.0067	.0505	.0931	.0322
45	.250	.0147	.0143	.0079	.0664	.1225	.0423
46	.256	.0190	.0164	.0104	.0983	.1812	.0626
47	.261	.0148	.0148	.0084	.0886	.1632	.0564
48	.267	.0098	.0108	.0043	.0514	.0947	.0327
49	.272	.0088	.0087	.0022	.0299	.0552	.0191
50	.278	.0066	.0073	.0008	.0126	.0233	.0080
51	.283	.0067	.0071	.0007	.0114	.0210	.0073
52	.289	.0095	.0086	.0022	.0417	.0768	.0265
53	.294	.0092	.0088	.0023	.0513	.0946	.0327
54	.300	.0069	.0073	.0008	.0208	.0384	.0133
55	.306	.0058	.0061	.0000	.0000	.0000	.0000
56	.311	.0058	.0059	.0000	.0000	.0000	.0000
57	.317	.0066	.0062	.0000	.0000	.0000	.0000
58	.322	.0062	.0059	.0000	.0000	.0000	.0000
59	.328	.0044	.0047	.0000	.0000	.0000	.0000
60	.333	.0034	.0039	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 29/10/58 | AV. T= 7.9 | RECORD = DL 40
HOUR = 18 | SIG.HGT. = 20.3 | UPPER HGT. = 22.1
TOTAL DF =184 | CORR. VAR. = 25.7 | LOWER HGT. = 18.6
NOISE LEVEL = .0171 | WIND SPEED = 30

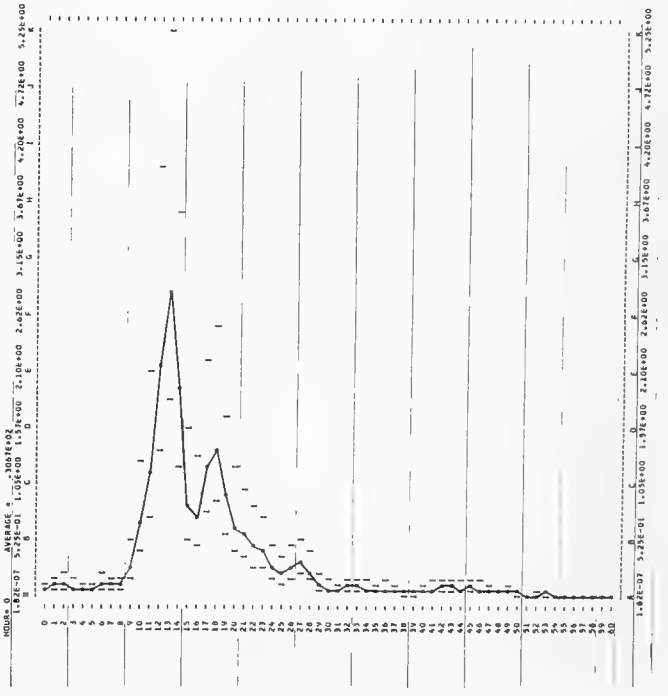
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1191	.1191	.1020	.1020	.1881	.0650
1	.006	.1961	.1961	.1770	.1770	.3263	.1127
2	.011	.2230	.2230	.2059	.2059	.3795	.1311
3	.017	.1249	.1249	.1079	.1079	.1988	.0687
4	.022	.0769	.0769	.0599	.0599	.1103	.0381
5	.028	.0610	.0610	.0439	.0439	.0809	.0280
6	.033	.0269	.0269	.0098	.0155	.0285	.0099
7	.039	.0122	.0122	.0000	.0000	.0000	.0000
8	.044	.0153	.0153	.0000	.0000	.0000	.0000
9	.050	.0273	.0273	.0102	.0113	.0208	.0072
10	.056	.0525	.0525	.0356	.0377	.0694	.0240
11	.061	.1836	.1836	.1665	.1727	.3184	.1100
12	.067	1.2229	1.2229	1.2058	1.2366	2.2796	.7875
13	.072	2.3969	2.3969	2.3798	2.4417	4.5004	1.5547
14	.078	2.2742	2.2742	2.2571	2.3361	4.3057	1.4875
15	.083	2.1249	2.1249	2.1078	2.2161	4.0847	1.4111
16	.089	2.0400	2.0400	2.0229	2.1509	3.9645	1.3696
17	.094	1.6586	1.6586	1.6415	1.8112	3.3386	1.1533
18	.100	1.4380	1.4380	1.4209	1.6175	2.9813	1.0299
19	.106	1.0993	1.0993	1.0822	1.2775	2.3547	.8135
20	.111	1.0003	1.0003	.9832	1.2073	2.2253	.7688
21	.117	.9514	.9514	.9343	1.1975	2.2072	.7625
22	.122	.6763	.6763	.6592	.8849	1.6310	.5635
23	.128	.4471	.4471	.4300	.6065	1.1178	.3862
24	.133	.3453	.3453	.3282	.4861	.8997	.3108
25	.139	.3590	.3590	.3419	.5378	.9913	.3425
26	.144	.3242	.3242	.3071	.5124	.9445	.3263
27	.150	.2300	.2300	.2129	.3776	.6959	.2404
28	.156	.1737	.1737	.1567	.2964	.5463	.1887
29	.161	.1463	.1463	.1292	.2614	.4819	.1665
30	.167	.1190	.1190	.1019	.2211	.4075	.1408
31	.172	.0917	.0917	.0746	.1740	.3208	.1108
32	.178	.0804	.0804	.0633	.1594	.2938	.1015
33	.183	.0808	.0808	.0637	.1732	.3192	.1103
34	.189	.0815	.0815	.0644	.1899	.3500	.1209
35	.194	.0768	.0768	.0597	.1912	.3525	.1218
36	.200	.0633	.0633	.0462	.1613	.2972	.1027
37	.206	.0487	.0487	.0316	.1203	.2217	.0766
38	.211	.0500	.0500	.0329	.1372	.2529	.0874
39	.217	.0515	.0515	.0344	.1578	.2908	.1005
40	.222	.0380	.0380	.0209	.1052	.1939	.0670
41	.228	.0318	.0337	.0166	.0925	.1704	.0589
42	.233	.0359	.0332	.0161	.0993	.1830	.0632
43	.239	.0301	.0293	.0122	.0834	.1536	.0531
44	.244	.0185	.0212	.0041	.0314	.0578	.0200
45	.250	.0153	.0178	.0007	.0061	.0113	.0039
46	.256	.0217	.0222	.0051	.0485	.0894	.0309
47	.261	.0337	.0303	.0132	.1400	.2580	.0891
48	.267	.0345	.0323	.0152	.1808	.3332	.1151
49	.272	.0245	.0267	.0096	.1282	.2363	.0816
50	.278	.0224	.0233	.0062	.0940	.1732	.0598
51	.283	.0259	.0239	.0068	.1161	.2140	.0739
52	.289	.0216	.0213	.0042	.0815	.1502	.0519
53	.294	.0153	.0161	.0000	.0000	.0000	.0000
54	.300	.0121	.0124	.0000	.0000	.0000	.0000
55	.306	.0087	.0103	.0000	.0000	.0000	.0000
56	.311	.0111	.0117	.0000	.0000	.0000	.0000
57	.317	.0170	.0158	.0000	.0000	.0000	.0000
58	.322	.0175	.0179	.0008	.0146	.0675	.0233
59	.328	.0199	.0198	.0027	.1333	.2457	.0849
60	.333	.0236	.0217	.0047	.2498	.4908	.1716



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 30/10/58 | AV. T= 9.4 | RECORD = DL 41
HOUR = 0 | SIG.HGT. = 17.7 | UPPER HGT. = 19.5
TOTAL DF =152 | CORR. VAR. = 19.6 | LOWER HGT. = 16.1
NOISE LEVEL = .0056 | WIND SPEED = 25

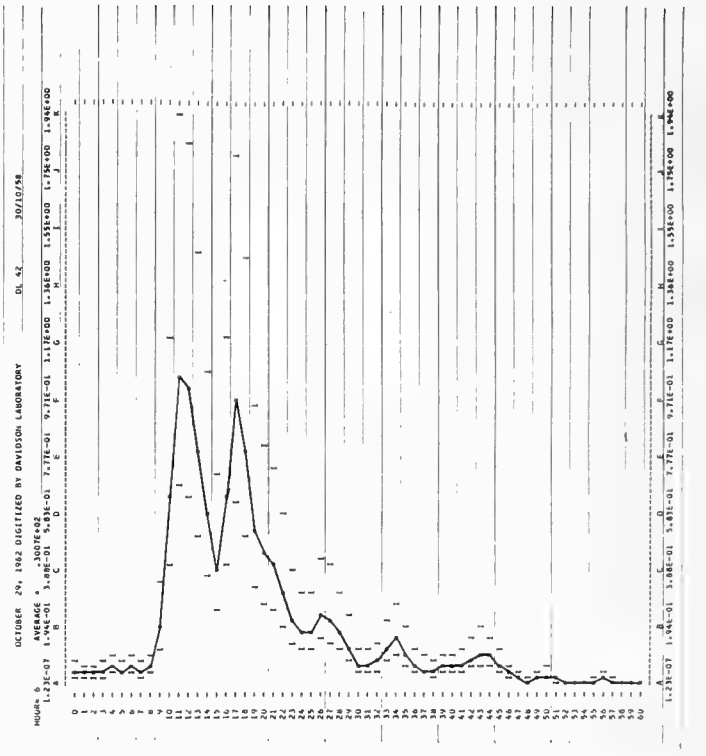
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0534	.0534	.0478	.0478	.0882	.0305
1	.006	.0883	.0883	.0827	.0827	.1524	.0526
2	.011	.1162	.1162	.1106	.1106	.2038	.0704
3	.017	.0831	.0831	.0775	.0775	.1429	.0494
4	.022	.0555	.0555	.0499	.0499	.0920	.0318
5	.028	.0651	.0651	.0595	.0595	.1096	.0379
6	.033	.0694	.0694	.0637	.1004	.1851	.0640
7	.039	.0667	.0667	.0610	.0811	.1494	.0516
8	.044	.0860	.0860	.0804	.0957	.1764	.0609
9	.050	.2595	.2595	.2538	.2817	.5193	.1794
10	.056	.6429	.6429	.6373	.6774	1.2486	.4313
11	.061	1.1165	1.1165	1.1109	1.1526	2.1243	.7339
12	.067	2.1255	2.1255	2.1199	2.1744	4.0077	1.3845
13	.072	2.7797	2.7797	2.7740	2.8462	5.2459	1.8123
14	.078	1.8625	1.8625	1.8569	1.9219	3.5424	1.2238
15	.083	.8113	.8113	.8057	.8471	1.5614	.5394
16	.089	.6824	.6824	.6768	.7197	1.3264	.4582
17	.094	1.0899	1.0899	1.0842	1.1964	2.2051	.7618
18	.100	1.2105	1.2105	1.2049	1.3716	2.5281	.8734
19	.106	.7869	.7869	.7813	.9223	1.7000	.5873
20	.111	.5274	.5274	.5218	.6407	1.1810	.4080
21	.117	.4372	.4372	.4316	.5532	1.0196	.3522
22	.122	.3424	.3424	.3368	.4521	.8333	.2879
23	.128	.2864	.2864	.2808	.3961	.7300	.2522
24	.133	.1872	.1872	.1816	.2701	.4978	.1720
25	.139	.1288	.1288	.1232	.1937	.3571	.1234
26	.144	.1561	.1561	.1505	.2511	.4627	.1599
27	.150	.1719	.1719	.1663	.2949	.5436	.1878
28	.156	.1188	.1188	.1131	.2140	.3945	.1363
29	.161	.0627	.0627	.0571	.1156	.2130	.0736
30	.167	.0412	.0412	.0356	.0773	.1425	.0492
31	.172	.0340	.0340	.0283	.0661	.1218	.0421
32	.178	.0374	.0374	.0318	.0799	.1473	.0509
33	.183	.0393	.0393	.0337	.0917	.1689	.0584
34	.189	.0310	.0310	.0254	.0749	.1380	.0477
35	.194	.0241	.0241	.0185	.0592	.1092	.0377
36	.200	.0264	.0264	.0208	.0727	.1339	.0463
37	.206	.0227	.0171	.0171	.0652	.1202	.0415
38	.211	.0143	.0143	.0087	.0362	.0667	.0231
39	.217	.0129	.0129	.0073	.0333	.0613	.0212
40	.222	.0163	.0163	.0107	.0538	.0991	.0342
41	.228	.0193	.0184	.0128	.0712	.1313	.0454
42	.233	.0192	.0188	.0132	.0809	.1492	.0515
43	.239	.0172	.0173	.0117	.0799	.1473	.0509
44	.244	.0155	.0158	.0101	.0769	.1418	.0490
45	.250	.0153	.0149	.0093	.0787	.1451	.0501
46	.256	.0142	.0136	.0080	.0757	.1396	.0482
47	.261	.0098	.0108	.0051	.0544	.1003	.0346
48	.267	.0088	.0092	.0036	.0425	.0783	.0270
49	.272	.0103	.0093	.0037	.0496	.0914	.0316
50	.278	.0076	.0079	.0023	.0351	.0646	.0223
51	.283	.0053	.0063	.0006	.0109	.0201	.0070
52	.289	.0072	.0067	.0011	.0219	.0403	.0139
53	.294	.0079	.0072	.0016	.0355	.0655	.0226
54	.300	.0054	.0060	.0004	.0093	.0171	.0059
55	.306	.0052	.0053	.0000	.0000	.0000	.0000
56	.311	.0063	.0057	.0001	.0017	.0031	.0011
57	.317	.0048	.0050	.0000	.0000	.0000	.0000
58	.322	.0038	.0052	.0000	.0000	.0000	.0000
59	.328	.0049	.0047	.0000	.0000	.0000	.0000
60	.333	.0052	.0031	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 30/10/58 — AV. T= 8.7 — RECORD = DL 42
HOUR = 6 — SIG.HGT. = 13.7 — UPPER HGT. = 14.9
TOTAL OF =205 — CORR. VAR. = 11.8 — LOWER HGT. = 12.7
NOISE LEVEL = .8049 — WIND SPEED = 19

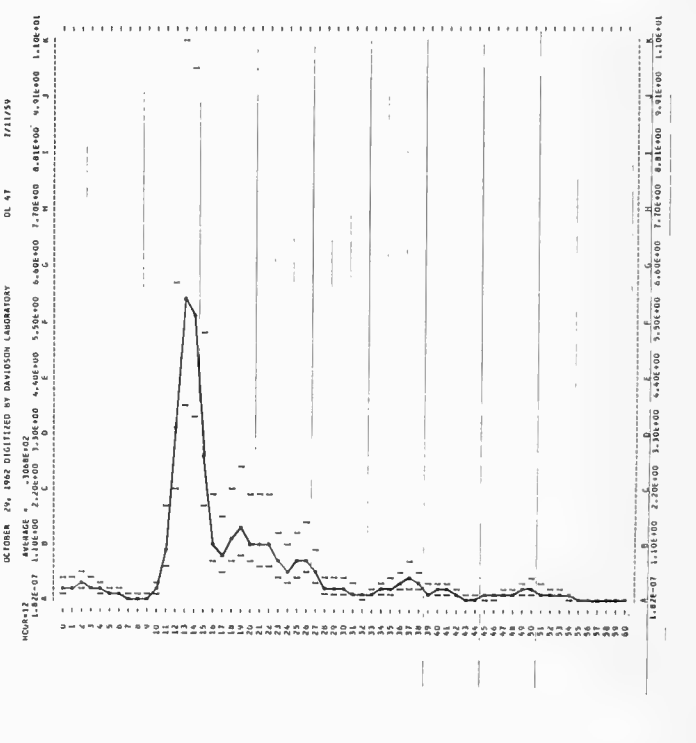
M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0437	.0437	.0391	.0391	.0721	.0249
1	.006	.0401	.0401	.0356	.0356	.0696	.0227
2	.011	.0358	.0358	.0313	.0313	.0576	.0190
3	.017	.0454	.0454	.0408	.0408	.0793	.0260
4	.022	.0377	.0377	.0331	.0331	.0979	.0338
5	.028	.0517	.0517	.0471	.0471	.0869	.0300
6	.033	.0396	.0396	.0350	.0352	.1017	.0351
7	.039	.0356	.0356	.0310	.0412	.0759	.0262
8	.044	.0485	.0485	.0440	.0524	.0965	.0333
9	.050	.1790	.1790	.1746	.1936	.3568	.1233
10	.056	.6093	.6093	.6048	.6429	1.1849	.4093
11	.061	1.0204	1.0204	1.0158	1.0539	1.9425	.6711
12	.067	.9851	.9851	.9806	1.0098	1.8598	.6406
13	.072	.7804	.7804	.7759	.7960	1.4672	.5069
14	.078	.5643	.5643	.5598	.5796	1.0679	.3689
15	.083	.3763	.3763	.3717	.3908	.7204	.2489
16	.089	.6084	.6084	.6039	.6421	1.1835	.4088
17	.094	.8922	.8922	.8876	.9796	1.8052	.6236
18	.100	.6966	.6966	.6921	.7878	1.4521	.5016
19	.106	.4424	.4424	.4379	.5169	.9528	.3292
20	.111	.3609	.3609	.3564	.4376	.8066	.2786
21	.117	.3154	.3154	.3109	.3985	.7344	.2537
22	.122	.2375	.2329	.3127	.5763	1.0627	.1941
23	.128	.1564	.1564	.1519	.2143	.3949	.1364
24	.133	.1182	.1182	.1137	.1690	.3116	.1076
25	.139	.1147	.1147	.1101	.1732	.3193	.1103
26	.144	.1451	.1451	.1406	.2345	.4323	.1493
27	.150	.1293	.1293	.1248	.2213	.4079	.1409
28	.156	.0953	.0953	.0908	.1717	.3165	.1093
29	.161	.0651	.0651	.0605	.1224	.2256	.0779
30	.167	.0326	.0326	.0280	.0608	.1121	.0387
31	.172	.0305	.0305	.0259	.0606	.1116	.0385
32	.178	.0345	.0345	.0299	.0753	.1388	.0480
33	.183	.0461	.0461	.0415	.1128	.2080	.0719
34	.189	.0550	.0550	.0504	.1487	.2741	.0947
35	.194	.0372	.0372	.0127	.1047	.1929	.0667
36	.200	.0223	.0223	.0178	.0620	.1144	.0395
37	.206	.0173	.0173	.0127	.0484	.0893	.0308
38	.211	.0151	.0151	.0105	.0439	.0808	.0279
39	.217	.0168	.0168	.0122	.0560	.1032	.0356
40	.222	.0150	.0150	.0105	.0528	.0973	.0336
41	.228	.0140	.0156	.0111	.0618	.1139	.0392
42	.233	.0194	.0182	.0136	.0838	.1545	.0534
43	.239	.0207	.0193	.0147	.1003	.1849	.0639
44	.244	.0162	.0162	.0117	.0886	.1634	.0564
45	.250	.0115	.0118	.0073	.0618	.1138	.0393
46	.256	.0076	.0082	.0037	.0367	.0639	.0221
47	.261	.0057	.0061	.0015	.0161	.0297	.0103
48	.267	.0048	.0053	.0007	.0084	.0156	.0054
49	.272	.0060	.0058	.0012	.0162	.0298	.0103
50	.278	.0070	.0063	.0018	.0268	.0494	.0171
51	.283	.0051	.0054	.0009	.0146	.0269	.0093
52	.289	.0042	.0045	.0000	.0000	.0000	.0000
53	.294	.0045	.0044	.0000	.0000	.0000	.0000
54	.300	.0043	.0046	.0000	.0011	.0021	.0007
55	.306	.0048	.0048	.0003	.0072	.0133	.0046
56	.311	.0053	.0050	.0005	.0162	.0299	.0103
57	.317	.0049	.0048	.0002	.0087	.0161	.0055
58	.322	.0036	.0040	.0000	.0000	.0000	.0000
59	.328	.0037	.0038	.0000	.0000	.0000	.0000
60	.333	.0045	.0041	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/59 — AV. T= 8.7 — RECORD = DL 47
HOUR = 12 — SIG.HGT. = 24.2 — UPPER HGT. = 26.7
TOTAL OF =131 — CORR. VAR. = 30.6 — LOWER HGT. = 21.9
NOISE LEVEL = .0164 — WIND SPEED = 40

M	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.2266	.2266	.2102	.2102	.3874	.1338
1	.006	.2795	.2795	.2632	.2632	.4850	.1676
2	.011	.3275	.3275	.3111	.3111	.5734	.1981
3	.017	.2820	.2820	.2656	.2656	.4896	.1691
4	.022	.2009	.2009	.1845	.1845	.3401	.1175
5	.028	.1371	.1371	.1207	.1267	.2225	.0769
6	.033	.0833	.0833	.0669	.1054	.1942	.0671
7	.039	.0462	.0462	.0298	.0396	.0730	.0252
8	.044	.0447	.0447	.0283	.0337	.0620	.0214
9	.050	.0816	.0816	.0452	.0507	.0925	.0319
10	.056	.1831	.1831	.1847	.1772	.3266	.1128
11	.061	.9952	.9952	.9788	1.0195	1.8718	.6466
12	.067	3.3149	3.3149	3.2985	3.3832	6.2358	2.1542
13	.072	5.8367	5.8367	5.8203	5.9716	11.0065	3.8024
14	.078	5.4706	5.4706	5.4542	5.6451	10.4048	3.5945
15	.083	2.7462	2.7462	2.7298	2.8911	5.3287	1.8409
16	.089	1.0860	1.0860	1.0696	1.1373	2.0961	.7241
17	.094	.8546	.8546	.8382	.9248	1.7046	.5889
18	.100	1.0813	1.0813	1.0649	1.2123	2.2344	.7719
19	.106	1.2076	1.2076	1.1912	1.4063	2.5920	.8954
20	.111	.9344	.9344	.9180	1.1273	2.0777	.7178
21	.117	.8895	.8895	.8731	1.1190	2.0625	.7125
22	.122	.8631	.8631	.8767	1.1097	2.0454	.7066
23	.128	.5248	.5248	.5084	.7171	1.3218	.4566
24	.133	.4089	.4089	.3925	.5837	1.0758	.3717
25	.139	.4751	.4751	.4587	.7216	1.3301	.4595
26	.144	.5074	.5074	.4910	.8192	1.5100	.5216
27	.150	.3273	.3273	.3109	.5514	1.0163	.3511
28	.156	.1393	.1393	.1229	.2325	.4284	.1480
29	.161	.1230	.1230	.1066	.2157	.3975	.1373
30	.167	.1242	.1242	.1078	.2340	.4312	.1490
31	.172	.0868	.0868	.0704	.1641	.3025	.1045
32	.178	.0507	.0507	.0343	.0863	.1590	.0549
33	.183	.0518	.0518	.0354	.0963	.1775	.0613
34	.189	.0872	.0872	.0708	.2086	.3845	.1328
35	.194	.0973	.0973	.0809	.2592	.4777	.1650
36	.200	.1022	.1022	.0858	.2995	.5520	.1907
37	.206	.1212	.1212	.1048	.3991	.7355	.2541
38	.211	.0869	.0869	.0705	.2943	.5424	.1874
39	.217	.0498	.0498	.0336	.1529	.2819	.0974
40	.222	.0567	.0567	.0403	.2031	.3744	.1293
41	.228	.0558	.0506	.0342	.1903	.3508	.1212
42	.233	.0296	.0343	.0179	.1099	.2025	.0700
43	.239	.0178	.0221	.0057	.0389	.0716	.0247
44	.244	.0252	.0232	.0068	.0516	.0952	.0329
45	.250	.0246	.0246	.0082	.0695	.1281	.0443
46	.256	.0232	.0241	.0077	.0724	.1335	.0461
47	.261	.0252	.0253	.0089	.0945	.1741	.0601
48	.267	.0270	.0277	.0113	.1342	.2473	.0854
49	.272	.0341	.0316	.0152	.2036	.3751	.1297
50	.278	.0327	.0313	.0149	.2251	.4147	.1433
51	.283	.0242	.0259	.0095	.1614	.2975	.1028
52	.289	.0221	.0223	.0059	.1147	.2114	.0730
53	.294	.0211	.0204	.0044	.0963	.1775	.0613
54	.300	.0195	.0189	.0029	.0611	.1126	.0389
55	.306	.0149	.0153	.0000	.0000	.0000	.0000
56	.311	.0107	.0119	.0000	.0000	.0000	.0000
57	.317	.0107	.0112	.0000	.0000	.0000	.0000
58	.322	.0126	.0123	.0000	.0000	.0000	.0000
59	.328	.0131	.0127	.0000	.0000	.0000	.0000
60	.333	.0123	.0127	.0000	.0000	.0000	.0000



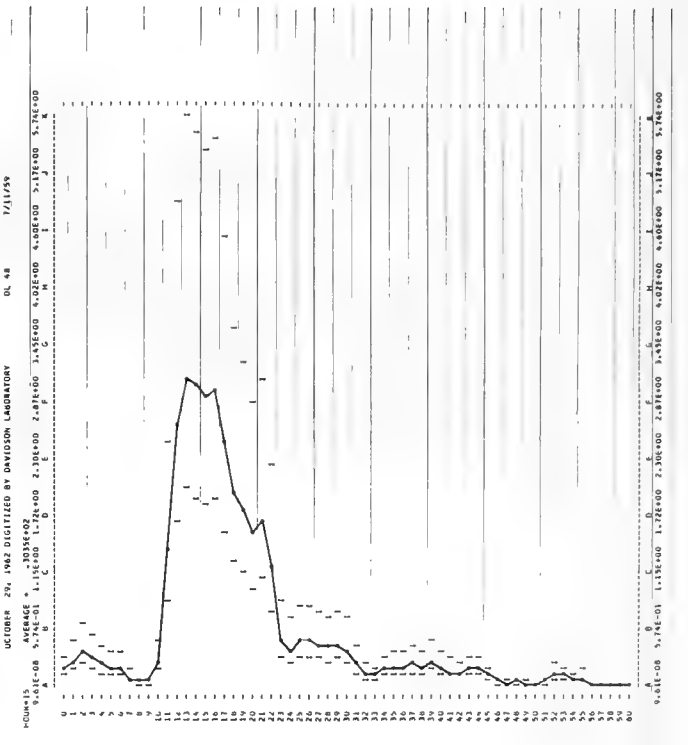
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/59
HOUR = 15
TOTAL DF =181

AV. T= 8.9
SIG.HGT. = 23.7
CORR. VAR. = 35.0
NOISE LEVEL = .0174

RECORD = DL 48
UPPER HGT. = 25.8
LOWER HGT. = 21.7
WIND SPEED = 40

H	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1628	.1628	.1454	.1454	.2670	.0926
1	.006	.2563	.2563	.2389	.2389	.4404	.1521
2	.011	.3613	.3613	.3439	.3439	.6339	.2190
3	.017	.3086	.3086	.2913	.2913	.5368	.1855
4	.022	.2221	.2221	.2047	.2047	.3774	.1305
5	.028	.1910	.1910	.1736	.1736	.3200	.1105
6	.033	.1432	.1432	.1258	.1982	.3653	.1262
7	.039	.0771	.0771	.0598	.0793	.1462	.0505
8	.044	.0548	.0548	.0374	.0445	.0821	.0286
9	.050	.0542	.0542	.0368	.0409	.0754	.0260
10	.056	.2389	.2389	.2215	.4355	.4360	.1499
11	.061	1.3204	1.3204	1.3030	1.3519	2.4918	.8608
12	.067	2.6086	2.6086	2.5912	2.6578	4.8987	1.6923
13	.072	3.0549	3.0549	3.0375	3.1165	5.7441	1.9844
14	.078	2.9359	2.9359	2.9185	3.0206	5.5675	1.9234
15	.083	2.8041	2.8041	2.7867	2.9299	5.4003	1.8656
16	.089	2.8225	2.8225	2.8051	2.9827	5.4976	1.8992
17	.094	2.2553	2.2553	2.2379	2.4693	4.5513	1.5723
18	.100	1.7379	1.7379	1.7205	1.9586	3.6100	1.2471
19	.106	1.5181	1.5181	1.5007	1.7716	3.2653	1.1280
20	.111	1.2804	1.2804	1.2630	1.5510	2.8587	.9876
21	.117	1.3203	1.3203	1.3029	1.6699	3.0778	1.0633
22	.122	.9132	.9132	.8958	1.2025	2.2165	.7657
23	.128	.3508	.3508	.3335	.4705	.8669	.2995
24	.133	.2616	.2616	.2442	.3632	.6695	.2313
25	.139	.2996	.2996	.2822	.4440	.8184	.2827
26	.144	.2800	.2800	.2627	.4382	.8077	.2790
27	.150	.2479	.2479	.2305	.4089	.7537	.2604
28	.156	.2196	.2196	.2022	.3825	.7050	.2436
29	.161	.2197	.2197	.2023	.4093	.7543	.2606
30	.167	.1882	.1882	.1708	.3706	.6832	.2360
31	.172	.1091	.1091	.0917	.2139	.3943	.1362
32	.178	.0616	.0616	.0443	.1114	.2053	.0709
33	.183	.0532	.0532	.0359	.0974	.1796	.0621
34	.189	.0725	.0725	.0551	.1024	.2993	.1034
35	.194	.0749	.0749	.0575	.1841	.3394	.1172
36	.200	.0729	.0729	.0555	.1937	.3569	.1233
37	.206	.0731	.0731	.0557	.2123	.3912	.1352
38	.211	.0661	.0661	.0487	.1947	.3590	.1240
39	.217	.0690	.0690	.0516	.2366	.4360	.1506
40	.222	.0564	.0564	.0390	.1965	.3621	.1251
41	.228	.0376	.0429	.0255	.1418	.2613	.0903
42	.233	.0400	.0400	.0226	.1391	.2564	.0886
43	.239	.0428	.0408	.0234	.1597	.2943	.1017
44	.244	.0382	.0372	.0199	.1506	.2776	.0959
45	.250	.0300	.0326	.0126	.1068	.1969	.0680
46	.256	.0192	.0220	.0046	.0435	.0802	.0277
47	.261	.0191	.0196	.0022	.0236	.0434	.0150
48	.267	.0233	.0211	.0037	.0439	.0808	.0279
49	.272	.0176	.0186	.0012	.0159	.0293	.0101
50	.278	.0130	.0157	.0000	.0000	.0000	.0000
51	.283	.0204	.0192	.0018	.0310	.0571	.0197
52	.289	.0253	.0231	.0057	.1105	.2037	.0704
53	.294	.0202	.0214	.0040	.0889	.1638	.0566
54	.300	.0199	.0200	.0027	.0865	.1224	.0424
55	.306	.0219	.0203	.0029	.0825	.1521	.0526
56	.311	.0170	.0173	.0000	.0000	.0000	.0000
57	.317	.0124	.0135	.0000	.0000	.0000	.0000
58	.322	.0118	.0122	.0000	.0000	.0000	.0000
59	.328	.0132	.0130	.0000	.0000	.0000	.0000
60	.333	.0144	.0138	.0000	.0000	.0000	.0000



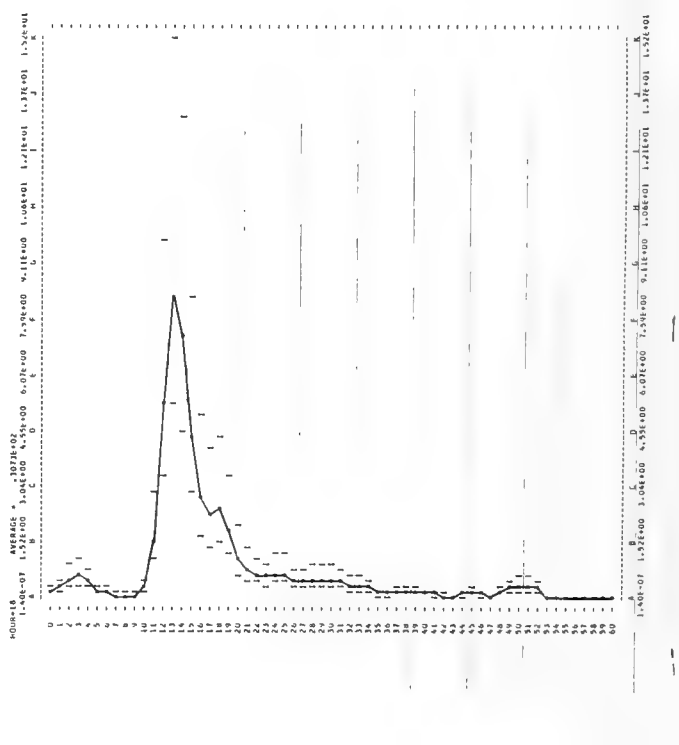
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 7/11/59
HOUR = 18
TOTAL DF =123

AV. T= 9.3
SIG.HGT. = 28.1
CORR. VAR. = 49.2
NOISE LEVEL = .0284

RECORD = DL 49
UPPER HGT. = 31.1
LOWER HGT. = 25.3
WIND SPEED = 35

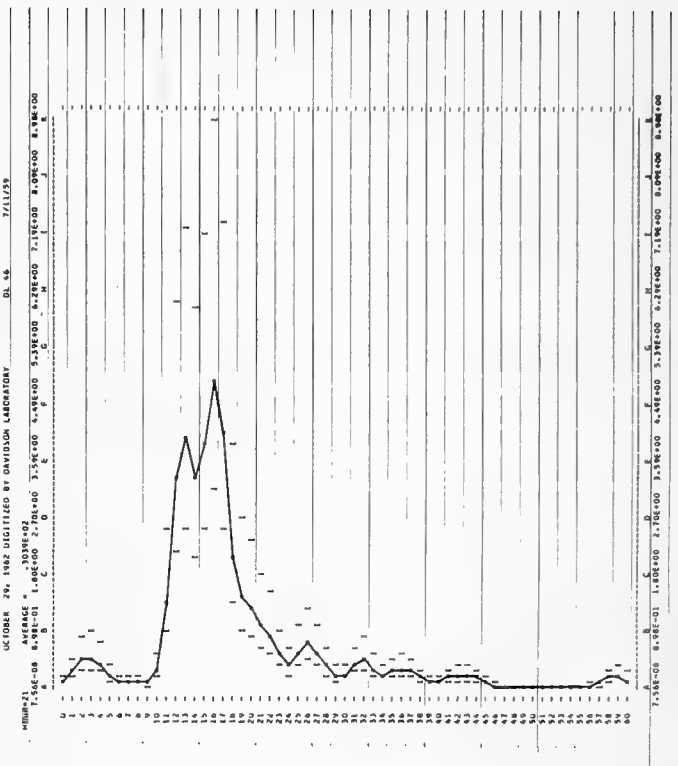
H	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1873	.1873	.1589	.1589	.2928	.1012
1	.006	.2804	.2804	.2520	.2520	.4645	.1605
2	.011	.5192	.5192	.4908	.4908	.9046	.3125
3	.017	.6214	.6214	.5930	.5930	1.0930	.3776
4	.022	.4136	.4136	.3852	.3852	.7099	.2453
5	.028	.2253	.2253	.1969	.1969	.3630	.1254
6	.033	.1539	.1539	.1255	.1978	.3646	.1259
7	.039	.0787	.0787	.0503	.0867	.1230	.0425
8	.044	.0656	.0656	.0372	.0443	.0817	.0282
9	.050	.0841	.0841	.0557	.0618	.1139	.0394
10	.056	.2511	.2511	.2227	.2367	.4363	.1507
11	.061	1.5366	1.5366	1.5082	1.5647	2.8841	.9963
12	.067	5.1567	5.1567	5.1283	5.2601	9.6951	3.3493
13	.072	8.0573	8.0573	8.0289	8.2376	15.1832	5.2452
14	.078	6.8717	6.8717	6.8433	7.0829	13.0548	4.5099
15	.083	4.2773	4.2773	4.2489	4.4673	8.2338	2.8445
16	.089	2.5987	2.5987	2.5703	2.7330	5.0373	1.7402
17	.094	2.0780	2.0780	2.0496	2.2615	4.1681	1.4400
18	.100	2.1618	2.1618	2.1334	2.4287	4.4764	1.5464
19	.106	1.5873	1.5873	1.5589	1.8403	3.3920	1.1718
20	.111	.8901	.8901	.8617	1.0581	1.9503	.6737
21	.117	.6324	.6324	.6040	.7741	1.4269	.4929
22	.122	.4730	.4730	.4446	.5908	1.0999	.3800
23	.128	.4077	.4077	.3793	.5350	.9862	.3407
24	.133	.4696	.4696	.4410	.6558	1.2088	.4176
25	.139	.4273	.4273	.3989	.6274	1.1565	.3995
26	.144	.2886	.2886	.2602	.4361	.8000	.2764
27	.150	.2681	.2681	.2397	.4251	.7836	.2707
28	.156	.2961	.2941	.2657	.5027	.9265	.3201
29	.161	.2636	.2636	.2352	.4758	.8769	.3029
30	.167	.2592	.2592	.2308	.5010	.9234	.3190
31	.172	.2226	.2226	.1942	.4528	.8346	.2883
32	.178	.1688	.1688	.1404	.3534	.6514	.2250
33	.183	.1562	.1562	.1278	.3473	.6402	.2212
34	.189	.1345	.1345	.1061	.2539	.4680	.1617
35	.194	.0641	.0641	.0357	.1143	.2107	.0728
36	.200	.0545	.0545	.0261	.0910	.1678	.0580
37	.206	.0649	.0649	.0365	.1391	.2563	.0885
38	.211	.0669	.0669	.0385	.1604	.2957	.1021
39	.217	.0578	.0578	.0294	.1348	.2484	.0858
40	.222	.0529	.0529	.0245	.1234	.2274	.0786
41	.228	.0498	.0481	.0197	.1094	.2016	.0696
42	.233	.0376	.0397	.0113	.0894	.1280	.0442
43	.239	.0288	.0336	.0052	.0356	.0656	.0227
44	.244	.0411	.0392	.0108	.0818	.1508	.0521
45	.250	.0453	.0373	.0173	.1461	.2692	.0930
46	.256	.0362	.0389	.0105	.0994	.1832	.0633
47	.261	.0262	.0319	.0035	.0375	.0691	.0239
48	.267	.0407	.0391	.0107	.1273	.2346	.0811
49	.272	.0520	.0488	.0204	.2722	.5017	.1733
50	.278	.0504	.0502	.0218	.3296	.6075	.2099
51	.283	.0509	.0481	.0197	.3163	.6197	.2142
52	.289	.0411	.0403	.0119	.2300	.4240	.1465
53	.294	.0250	.0280	.0000	.0000	.0000	.0000
54	.300	.0191	.0209	.0000	.0000	.0000	.0000
55	.306	.0200	.0206	.0000	.0000	.0000	.0000
56	.311	.0238	.0235	.0000	.0000	.0000	.0000
57	.317	.0274	.0265	.0000	.0000	.0000	.0000
58	.322	.0289	.0276	.0000	.0000	.0000	.0000
59	.328	.0249	.0254	.0000	.0000	.0000	.0000
60	.333	.0210	.0229	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 | AV. T= 9.0 | RECORD = DL 46
HOUR = 21 | SIG.HGT. = 29.6 | UPPER HGT. = 28.1
TOTAL OF =156 | CORR. VAR. = 41.1 | LOWER HGT. = 23.4
NOISE LEVEL = .0211 | WIND SPEED = 40

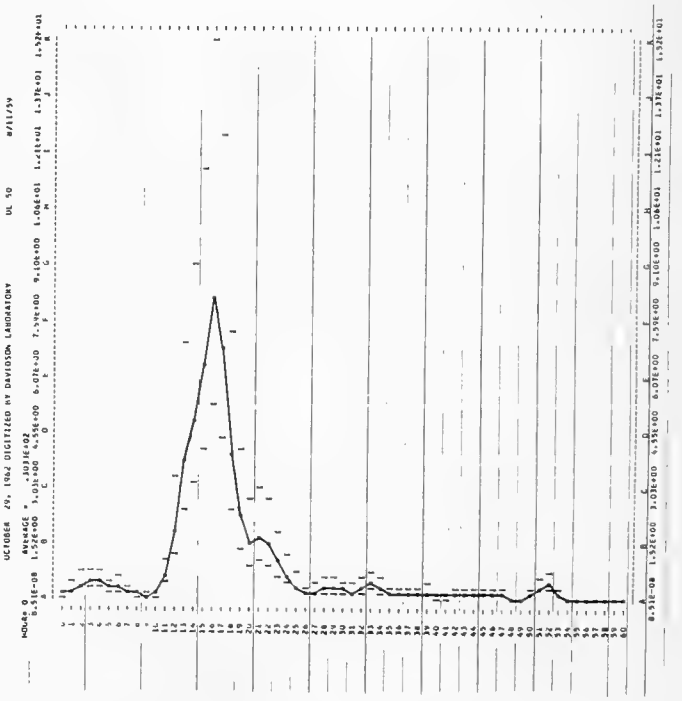
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1425	.1425	.1213	.1213	.2236	.0773
1	.006	.2757	.2757	.2545	.2545	.4892	.1621
2	.011	.4569	.4569	.4358	.4358	.8032	.2775
3	.017	.5024	.5024	.4813	.4813	.8871	.3065
4	.022	.4189	.4189	.3977	.3977	.7331	.2533
5	.028	.2185	.2185	.1974	.1974	.3639	.1257
6	.033	.0893	.0893	.0682	.1074	.1979	.0684
7	.039	.1100	.1100	.0889	.1180	.2176	.0752
8	.044	.1020	.1020	.0809	.0963	.1775	.0613
9	.050	.0682	.0682	.0471	.0522	.0963	.0333
10	.056	.2798	.2798	.2587	.2759	.5069	.1751
11	.061	1.3354	1.3354	1.3143	1.3635	2.5132	.8682
12	.067	3.2634	3.2634	3.2423	3.3256	6.1296	2.1175
13	.072	3.8700	3.8700	3.8488	3.9469	7.2784	2.5144
14	.078	3.1896	3.1896	3.1685	3.2796	6.0443	2.0881
15	.083	3.7197	3.7197	3.6986	3.8887	7.1675	2.4761
16	.089	4.6055	4.6055	4.5843	4.8765	8.9865	3.1038
17	.094	3.6597	3.6597	3.6385	4.0148	7.3998	2.5564
18	.100	1.8465	1.8465	1.8454	2.1008	3.8721	1.3377
19	.106	1.2414	1.2414	1.2203	1.4406	2.6552	.9173
20	.111	1.0638	1.0638	1.0427	1.2804	2.3600	.8153
21	.117	.7681	.7681	.7470	.9575	1.7647	.6096
22	.122	.6293	.6293	.6081	.8164	1.5047	.5198
23	.128	.3830	.3830	.3619	.5105	.9409	.3250
24	.133	.2513	.2513	.2301	.3422	.6308	.2179
25	.139	.1579	.1579	.1368	.3298	.9784	.3373
26	.144	.4299	.4299	.4088	.6820	1.2571	.4343
27	.150	.3340	.3340	.3129	.5550	1.0230	.3534
28	.156	.1937	.1937	.1726	.3265	.6019	.2079
29	.161	.1234	.1234	.1025	.2069	.3814	.1317
30	.167	.1203	.1203	.0992	.2152	.3967	.1370
31	.172	.1772	.1772	.1561	.3641	.6711	.2318
32	.178	.1974	.1974	.1763	.4437	.8178	.2825
33	.183	.1300	.1300	.1088	.2959	.5453	.1884
34	.189	.0942	.0942	.0731	.2154	.3971	.1372
35	.194	.0987	.0987	.0776	.2485	.4581	.1583
36	.200	.1045	.1045	.0834	.2909	.5361	.1852
37	.206	.0912	.0912	.0701	.2670	.4920	.1700
38	.211	.0576	.0576	.0365	.1921	.2804	.0969
39	.217	.0391	.0391	.0180	.0825	.1521	.0526
40	.222	.0407	.0407	.0196	.0989	.1822	.0629
41	.228	.0493	.0471	.0260	.1446	.2665	.0921
42	.233	.0503	.0491	.0280	.1723	.3176	.1097
43	.239	.0471	.0466	.0254	.1735	.3199	.1105
44	.244	.0433	.0417	.0206	.1540	.2876	.0994
45	.250	.0319	.0330	.0119	.1007	.1857	.0641
46	.256	.0231	.0250	.0039	.0367	.0677	.0234
47	.261	.0223	.0220	.0009	.0090	.0166	.0058
48	.267	.0209	.0202	.0000	.0000	.0000	.0000
49	.272	.0156	.0169	.0000	.0000	.0000	.0000
50	.278	.0144	.0154	.0000	.0000	.0000	.0000
51	.283	.0176	.0171	.0000	.0000	.0000	.0000
52	.289	.0195	.0187	.0000	.0000	.0000	.0000
53	.294	.0174	.0181	.0000	.0000	.0000	.0000
54	.300	.0173	.0182	.0000	.0000	.0000	.0000
55	.306	.0216	.0207	.0000	.0000	.0000	.0000
56	.311	.0223	.0222	.0011	.0350	.0645	.0223
57	.317	.0213	.0225	.0014	.0514	.0947	.0327
58	.322	.0265	.0250	.0038	.1208	.2074	.1062
59	.328	.0260	.0255	.0043	.2175	.4010	.1385
60	.333	.0209	.0234	.0023	.1329	.2450	.0846



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 | AV. T= 9.0 | RECORD = DL 50
HOUR = 0 | SIG.HGT. = 29.2 | UPPER HGT. = 32.4
TOTAL OF =125 | CORR. VAR. = 53.4 | LOWER HGT. = 26.4
NOISE LEVEL = .0289 | WIND SPEED = 55

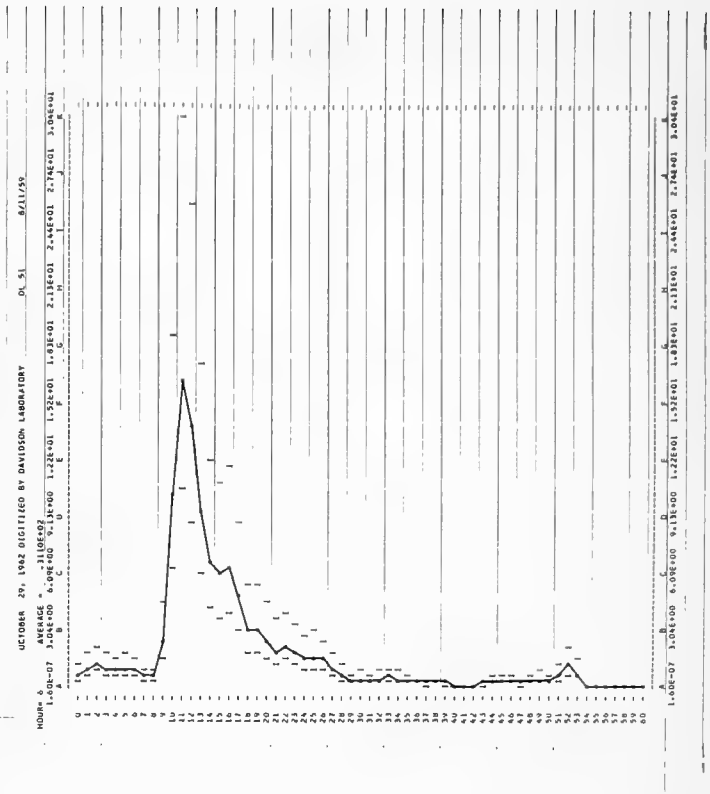
N	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1244	.1244	.0955	.0955	.1760	.0608
1	.006	.2460	.2460	.2171	.2171	.4002	.1382
2	.011	.4054	.4054	.3765	.3765	.6939	.2397
3	.017	.4773	.4773	.4484	.4486	.8264	.2855
4	.022	.4373	.4373	.4084	.4084	.7527	.2600
5	.028	.3152	.3152	.2862	.2862	.5276	.1823
6	.033	.2309	.2309	.2020	.3183	.5866	.2026
7	.039	.1674	.1674	.1385	.1839	.3389	.1171
8	.044	.1166	.1166	.0877	.1044	.1924	.0665
9	.050	.0732	.0732	.0443	.0492	.0907	.0313
10	.056	.1370	.1370	.1081	.1149	.2118	.0732
11	.061	.6042	.6042	.5753	.5908	1.1001	.3802
12	.067	1.7894	1.7894	1.7605	1.8057	3.3282	1.1498
13	.072	3.7070	3.7070	3.6781	3.7737	6.9555	2.4029
14	.078	4.7836	4.7836	4.7547	4.9211	9.0703	3.1335
15	.083	6.0874	6.0874	6.0584	6.3699	11.7406	4.0559
16	.089	7.7702	7.7702	7.7412	8.2313	15.1714	5.2412
17	.094	6.1865	6.1865	6.1576	6.7945	12.5229	4.3262
18	.100	3.4706	3.4706	3.4417	3.9180	7.2214	2.4947
19	.106	1.9292	1.9292	1.9003	2.2433	4.1347	1.4284
20	.111	1.2041	1.2041	1.1752	1.4432	2.6600	.9189
21	.117	1.2904	1.2904	1.2615	1.6169	2.9801	1.0295
22	.122	1.1136	1.1136	1.0847	1.4561	2.6838	.9271
23	.128	.7352	.7352	.7063	.9982	1.8362	.6343
24	.133	.4876	.4876	.4587	.6561	1.2072	.4169
25	.139	.2665	.2665	.2376	.3737	.6880	.2376
26	.144	.1371	.1371	.1082	.1805	.3326	.1149
27	.150	.1559	.1559	.1270	.2252	.4151	.1434
28	.156	.2054	.2054	.1765	.3743	.6896	.2383
29	.161	.1882	.1882	.1593	.3223	.5940	.2052
30	.167	.1457	.1457	.1168	.2535	.4672	.1614
31	.172	.1245	.1245	.0956	.2230	.4110	.1420
32	.178	.1452	.1452	.1163	.2926	.5394	.1863
33	.183	.1717	.1717	.1428	.3882	.7155	.2472
34	.189	.1345	.1345	.1056	.3113	.5738	.1982
35	.194	.0748	.0748	.0459	.1649	.2707	.0935
36	.200	.0461	.0461	.0372	.1298	.2392	.0826
37	.206	.0688	.0688	.0399	.1520	.2801	.0968
38	.211	.0742	.0742	.0453	.1889	.3482	.1203
39	.217	.0745	.0745	.0456	.2089	.3850	.1330
40	.222	.0523	.0523	.0234	.1180	.2176	.0751
41	.228	.0469	.0494	.0205	.1137	.2097	.0724
42	.233	.0538	.0513	.0224	.1376	.2542	.0878
43	.239	.0510	.0508	.0219	.1495	.2756	.0952
44	.244	.0496	.0475	.0186	.1410	.2599	.0898
45	.250	.0481	.0477	.0188	.1591	.2933	.1013
46	.256	.0531	.0491	.0202	.1910	.3520	.1216
47	.261	.0427	.0422	.0133	.1604	.2587	.0894
48	.267	.0248	.0302	.0013	.0153	.0282	.0098
49	.272	.0245	.0295	.0000	.0000	.0000	.0000
50	.278	.0426	.0399	.0110	.1861	.3062	.1058
51	.283	.0542	.0499	.0210	.3585	.6604	.2283
52	.289	.0514	.0497	.0198	.3827	.7054	.2437
53	.294	.0362	.0378	.0089	.1753	.3300	.1244
54	.300	.0237	.0274	.0000	.0000	.0000	.0000
55	.306	.0270	.0258	.0000	.0000	.0000	.0000
56	.311	.0270	.0257	.0000	.0000	.0000	.0000
57	.317	.0206	.0219	.0000	.0000	.0000	.0000
58	.322	.0200	.0195	.0000	.0000	.0000	.0000
59	.328	.0171	.0173	.0000	.0000	.0000	.0000
60	.333	.0130	.0151	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 | AV. T= 9.6 | RECORD = DL 51
HOUR = 6 | SIG.HGT. = 42.5 | UPPER HGT. = 46.8
TOTAL DF =147 | CORR. VAR. = 113.1 | LOWER HGT. = 38.7
NOISE LEVEL = .9710 | WIND SPEED = 55

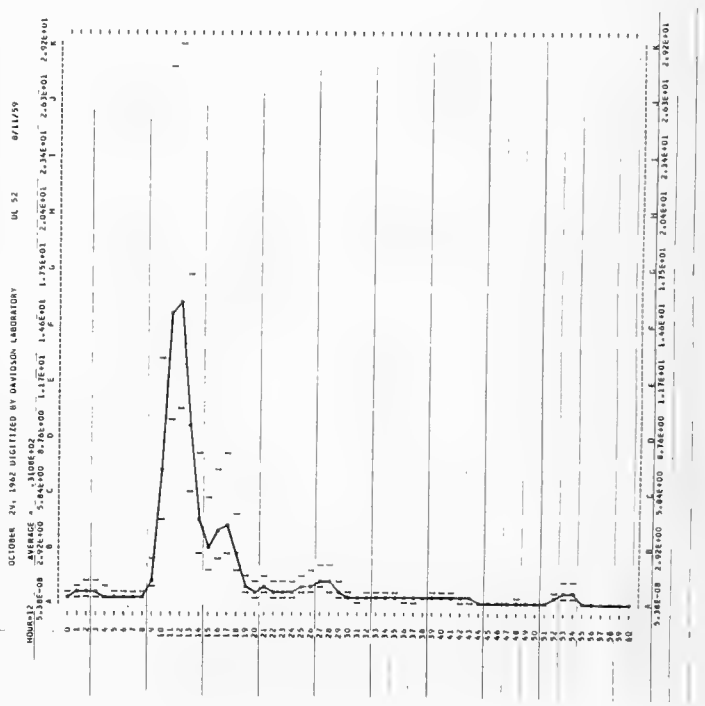
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.6877	.6877	.6167	.6167	1.1367	.3927
1	.006	1.0106	1.0106	.9396	.9396	1.7318	.5983
2	.011	1.2789	1.2789	1.2059	1.2059	2.2226	.7678
3	.017	1.0306	1.0306	.9596	.9596	1.7687	.6110
4	.022	.9312	.9312	.8602	.8602	1.5856	.5478
5	.028	1.0269	1.0269	.9559	.9559	1.7618	.6086
6	.033	.6455	.6455	.5745	.5052	1.6684	.5764
7	.039	.4207	.4207	.3497	.4643	.8559	.2957
8	.044	.4768	.4768	.4058	.4833	.8907	.3077
9	.050	2.2466	2.2466	2.1756	2.4147	4.4507	1.5375
10	.056	9.6759	9.6759	9.6049	10.2100	18.8186	6.5011
11	.061	15.9940	15.9940	15.9230	16.5201	30.4490	10.5190
12	.067	13.7487	13.7487	13.6777	14.0292	25.8579	8.9330
13	.072	9.2077	9.2077	9.1367	9.3743	17.2782	5.9690
14	.078	6.5169	6.5169	6.4459	6.6716	12.2967	4.2480
15	.083	5.7242	5.7242	5.6532	5.9437	10.9592	3.7846
16	.089	6.0604	6.0604	5.9894	6.3686	11.7382	4.0551
17	.094	4.4458	4.4458	4.3748	4.8271	8.8971	3.0736
18	.100	2.6804	2.6804	2.6094	2.9706	5.4782	1.8915
19	.106	2.5547	2.5547	2.4837	2.9320	5.4062	1.8669
20	.111	2.0249	2.0249	1.9539	2.3994	4.4225	1.5278
21	.117	1.5941	1.5941	1.4831	1.9009	3.5036	1.2104
22	.122	1.6962	1.6962	1.6252	2.1790	4.0161	1.3874
23	.128	1.3631	1.3631	1.2921	1.8225	3.3592	1.1605
24	.133	1.0672	1.0672	.9962	1.4814	2.7304	.9433
25	.139	1.1111	1.1111	1.0401	1.6363	3.0159	1.0419
26	.144	.9079	.9079	.8369	1.3963	2.5735	.8891
27	.150	.6211	.6211	.5501	.9757	1.7983	.6213
28	.156	.3843	.3843	.3133	.5928	1.0925	.3774
29	.161	.2556	.2556	.1846	.3735	.6884	.2378
30	.167	.2624	.2624	.1914	.4155	.7659	.2646
31	.172	.2329	.2329	.1619	.3775	.6957	.2403
32	.178	.2392	.2392	.1682	.4232	.7801	.2695
33	.183	.2722	.2722	.2012	.5470	1.0081	.3483
34	.189	.2176	.2176	.1466	.4321	.7963	.2751
35	.194	.1590	.1590	.0880	.2817	.5192	.1794
36	.200	.1407	.1407	.0697	.2431	.4481	.1548
37	.206	.1253	.1253	.0543	.2067	.3810	.1316
38	.211	.1297	.1297	.0587	.2449	.4513	.1559
39	.217	.1200	.1200	.0490	.2243	.4135	.1428
40	.222	.0840	.0840	.0130	.0653	.1204	.0416
41	.228	.0799	.0799	.0089	.0497	.0916	.0316
42	.233	.0824	.0839	.0129	.0391	.1458	.0504
43	.239	.0921	.0967	.0237	.1617	.2980	.1030
44	.244	.1190	.1121	.0411	.3120	.5750	.1986
45	.250	.1250	.1184	.0474	.4005	.7382	.2550
46	.256	.1006	.1045	.0335	.3186	.5835	.2016
47	.261	.0844	.0924	.0214	.2259	.4164	.1438
48	.267	.1058	.1002	.0292	.3473	.6402	.2212
49	.272	.1091	.1049	.0340	.4539	.8366	.2890
50	.278	.0827	.0858	.0248	.3746	.6905	.2385
51	.283	.1125	.1089	.0379	.6464	1.1913	.4116
52	.289	.1446	.1278	.0568	1.0998	2.0270	.7003
53	.294	.1031	.1055	.0345	.7588	1.3987	.4832
54	.300	.0570	.0491	.0000	.0000	.0000	.0000
55	.306	.0583	.0592	.0000	.0000	.0000	.0000
56	.311	.0693	.0833	.0000	.0000	.0000	.0000
57	.317	.0562	.0565	.0000	.0000	.0000	.0000
58	.322	.0416	.0444	.0000	.0000	.0000	.0000
59	.328	.0360	.0385	.0000	.0000	.0000	.0000
60	.333	.0353	.0367	.0000	.0000	.0000	.0000



SPECTRA MINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 | AV. T= 10.1 | RECORD = DL 52
HOUR = 12 | SIG.HGT. = 36.7 | UPPER HGT. = 41.2
TOTAL DF =102 | CORR. VAR. = 84.3 | LOWER HGT. = 32.8
NOISE LEVEL = .0480 | WIND SPEED = 40

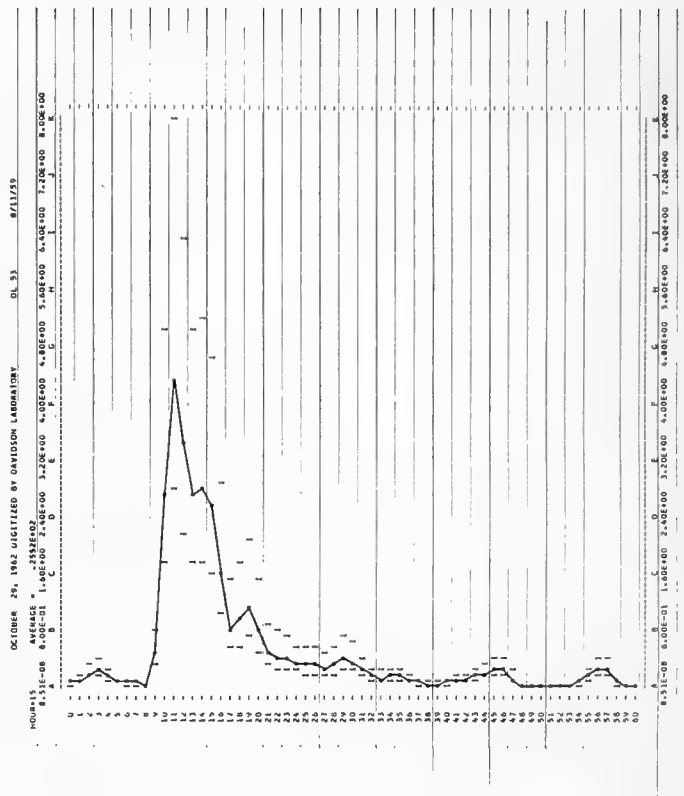
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.4178	.4178	.3697	.3697	.6815	.2354
1	.006	.5659	.5659	.5179	.5179	.9545	.3298
2	.011	.6931	.6931	.6451	.6451	1.1889	.4107
3	.017	.6089	.6089	.5609	.5609	1.0338	.3571
4	.022	.4617	.4617	.4137	.4137	.7625	.2634
5	.028	.3282	.3282	.2802	.2802	.5164	.1784
6	.033	.2701	.2701	.2221	.3499	.6449	.2228
7	.039	.2519	.2519	.2039	.2707	.4989	.1724
8	.044	.2999	.2999	.2519	.2999	.5528	.1910
9	.050	1.2028	1.2028	1.1548	1.2817	2.3624	.8161
10	.056	6.5353	6.5353	6.4873	6.8960	12.7104	4.3910
11	.061	14.6778	14.6778	14.6298	15.1784	27.9761	9.6847
12	.067	15.4915	15.4915	15.4435	15.8404	29.1962	10.0862
13	.072	9.1211	9.1211	9.0731	9.3090	17.1578	5.9276
14	.078	4.2044	4.2044	4.1564	4.3019	7.9290	2.7392
15	.083	2.8357	2.8357	2.7877	2.9310	5.4023	1.8663
16	.089	3.5915	3.5915	3.5435	3.7678	6.9445	2.3991
17	.094	3.8739	3.8739	3.8259	4.2215	7.7809	2.6880
18	.100	2.2828	2.2828	2.2348	2.5441	4.6891	1.6199
19	.106	.7792	.7792	.7311	.8031	1.5909	.5496
20	.111	.5596	.5596	.5116	.6282	1.1579	.4000
21	.117	.6610	.6610	.6130	.7857	1.4481	.5003
22	.122	.5381	.5381	.4901	.6579	1.2127	.4189
23	.128	.4591	.4591	.4111	.5799	1.0688	.3692
24	.133	.4746	.4746	.4263	.6340	1.1686	.4037
25	.139	.5343	.5343	.4863	.7650	1.4101	.4871
26	.144	.6346	.6346	.5866	.9787	1.8039	.6232
27	.150	.7068	.7068	.6588	1.1685	2.1537	.7440
28	.156	.6044	.6044	.5564	1.0525	1.9400	.6702
29	.161	.3498	.3498	.3018	.4166	1.1253	.3886
30	.167	.1686	.1686	.1206	.2618	.4825	.1667
31	.172	.1350	.1350	.0870	.2029	.3739	.1292
32	.178	.1650	.1650	.1170	.2946	.5430	.1876
33	.183	.1917	.1917	.1437	.3907	.7200	.2487
34	.189	.1700	.1700	.1220	.3597	.6630	.2290
35	.194	.1302	.1302	.0822	.2631	.4850	.1675
36	.200	.1083	.1083	.0603	.2104	.3878	.1340
37	.206	.0911	.0911	.0431	.1642	.3027	.1046
38	.211	.1040	.1040	.0560	.2336	.4305	.1487
39	.217	.1227	.1227	.0747	.3424	.6312	.2180
40	.222	.1123	.1123	.0643	.3240	.5971	.2063
41	.228	.0946	.0964	.0484	.2692	.4961	.1714
42	.233	.0854	.0841	.0361	.2223	.4098	.1416
43	.239	.0728	.0711	.0231	.1577	.2907	.1004
44	.244	.0607	.0535	.0055	.0416	.0766	.0265
45	.250	.0339	.0398	.0000	.0000	.0000	.0000
46	.256	.0382	.0408	.0000	.0000	.0000	.0000
47	.261	.0581	.0527	.0047	.0300	.0921	.0318
48	.267	.0602	.0564	.0084	.1001	.1845	.0637
49	.272	.0438	.0472	.0000	.0000	.0000	.0000
50	.278	.0362	.0417	.0000	.0000	.0000	.0000
51	.283	.0492	.0507	.0027	.0458	.0844	.0291
52	.289	.0726	.0682	.0202	.3904	.7195	.2486
53	.294	.0848	.0783	.0303	.6664	1.2283	.4243
54	.300	.0740	.0709	.0229	.5734	1.0569	.3651
55	.306	.0674	.0907	.0027	.0778	.1434	.0496
56	.311	.0290	.0342	.0000	.0000	.0000	.0000
57	.317	.0313	.0313	.0000	.0000	.0000	.0000
58	.322	.0350	.0335	.0000	.0000	.0000	.0000
59	.328	.0314	.0321	.0000	.0000	.0000	.0000
60	.333	.0294	.0304	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 — Av. T= 9.1 — RECORD = DL 53
HOUR = 13 — SIG.HGT. = 22.4 — UPPER HGT. = 24.7
TOTAL DF =145 — CORR. VAR. = 31.5 — LOWER HGT. = 20.4
NOISE LEVEL = .0179 — WIND SPEED = 35

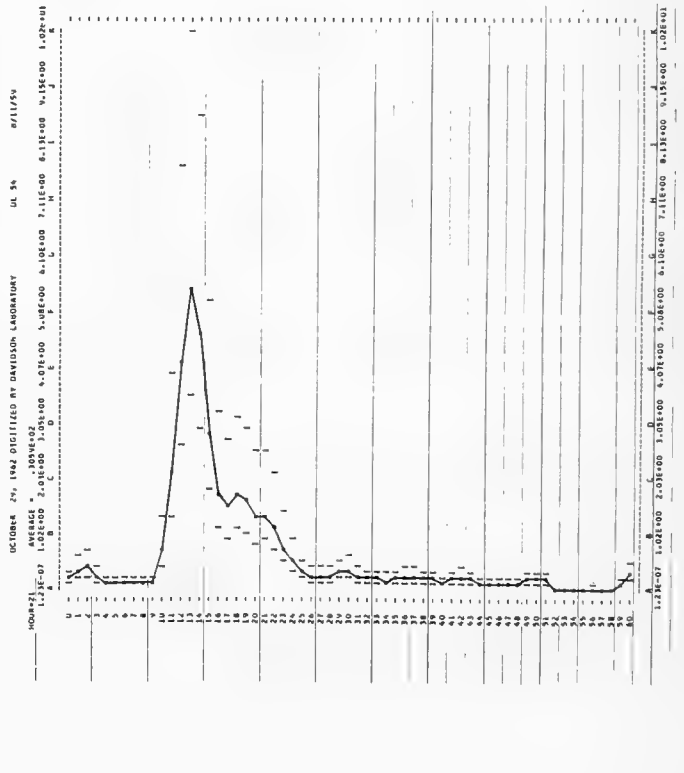
H	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0766	.0766	.0587	.0587	.1082	.0374
1	.006	.1111	.1111	.0932	.0932	.1718	.0593
2	.011	.2090	.2090	.1911	.1911	.3523	.1217
3	.017	.2478	.2478	.2299	.2299	.4238	.1464
4	.022	.1513	.1513	.1334	.1334	.2459	.0849
5	.028	.0810	.0810	.0631	.0631	.1162	.0402
6	.033	.0499	.0499	.0320	.0505	.0930	.0321
7	.039	.0408	.0408	.0429	.0569	.1049	.0363
8	.044	.0180	.0180	.0001	.0002	.0003	.0001
9	.050	.4202	.4202	.4023	.4466	.8231	.2843
10	.056	2.5983	2.5983	2.5804	2.7429	5.0557	1.7465
11	.061	4.2023	4.2023	4.1844	4.3413	8.0016	2.7643
12	.067	3.3545	3.3545	3.3366	3.4224	6.3080	2.1792
13	.072	2.4625	2.4625	2.4446	2.7139	5.0012	1.7277
14	.078	2.7409	2.7409	2.7230	2.8184	5.1946	1.7946
15	.083	2.4327	2.4327	2.4148	2.5389	4.6796	1.6166
16	.089	1.5045	1.5045	1.4867	1.5808	2.9136	1.0065
17	.094	.7710	.7710	.7531	.8310	1.5317	.5291
18	.100	.8428	.8428	.8249	.9390	1.7308	.5979
19	.106	.9755	.9755	.9576	1.1304	2.0836	.7198
20	.111	.6736	.6736	.6557	.8052	1.4841	.5127
21	.117	.3891	.3891	.3712	.4758	.8769	.3029
22	.122	.3275	.3275	.3096	.4156	.7660	.2646
23	.128	.2931	.2931	.2753	.3882	.7156	.2472
24	.133	.2365	.2365	.2186	.3251	.5993	.2070
25	.139	.2067	.2067	.1889	.2971	.5478	.1892
26	.144	.2015	.2015	.1836	.3063	.5645	.1950
27	.150	.1636	.1636	.1457	.2565	.4764	.1646
28	.156	.1827	.1827	.1648	.3118	.5746	.1985
29	.161	.2179	.2179	.2000	.4046	.7458	.2577
30	.167	.1712	.1712	.1533	.3326	.6131	.2118
31	.172	.1099	.1099	.0920	.2146	.3956	.1367
32	.178	.0713	.0713	.0534	.1344	.2478	.0856
33	.183	.0584	.0584	.0405	.1102	.2030	.0701
34	.189	.0690	.0690	.0511	.1505	.2774	.0958
35	.194	.0601	.0601	.0422	.1351	.2491	.0860
36	.200	.0390	.0390	.0211	.0738	.1360	.0470
37	.206	.0300	.0300	.0121	.0461	.0849	.0293
38	.211	.0273	.0273	.0094	.0394	.0726	.0251
39	.217	.0261	.0261	.0082	.0375	.0691	.0239
40	.222	.0292	.0292	.0113	.0571	.1053	.0364
41	.228	.0339	.0331	.0152	.0843	.1554	.0537
42	.233	.0342	.0351	.0172	.1061	.1955	.0675
43	.239	.0375	.0382	.0203	.1385	.2553	.0882
44	.244	.0456	.0435	.0256	.1943	.3582	.1237
45	.250	.0491	.0458	.0279	.2359	.4348	.1502
46	.256	.0407	.0397	.0219	.2064	.3804	.1314
47	.261	.0267	.0286	.0108	.1116	.2057	.0711
48	.267	.0179	.0197	.0018	.0210	.0387	.0134
49	.272	.0154	.0161	.0000	.0000	.0000	.0000
50	.278	.0161	.0156	.0000	.0000	.0000	.0000
51	.283	.0143	.0146	.0000	.0000	.0000	.0000
52	.289	.0119	.0136	.0000	.0000	.0000	.0000
53	.294	.0163	.0161	.0000	.0000	.0000	.0000
54	.300	.0204	.0199	.0020	.0497	.0916	.0317
55	.306	.0225	.0225	.0046	.1311	.2416	.0834
56	.311	.0262	.0246	.0067	.2191	.4049	.1398
57	.317	.0246	.0235	.0056	.2128	.3922	.1355
58	.322	.0185	.0185	.0010	.0420	.0776	.0268
59	.328	.0128	.0139	.0000	.0000	.0000	.0000
60	.333	.0102	.0115	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 8/11/59 — Av. T= 8.8 — RECORD = DL 54
HOUR = 21 — SIG.HGT. = 29.0 — UPPER HGT. = 27.5
TOTAL DF =150 — CORR. VAR. = 34.1 — LOWER HGT. = 22.8
NOISE LEVEL = .0171 — WIND SPEED = 35

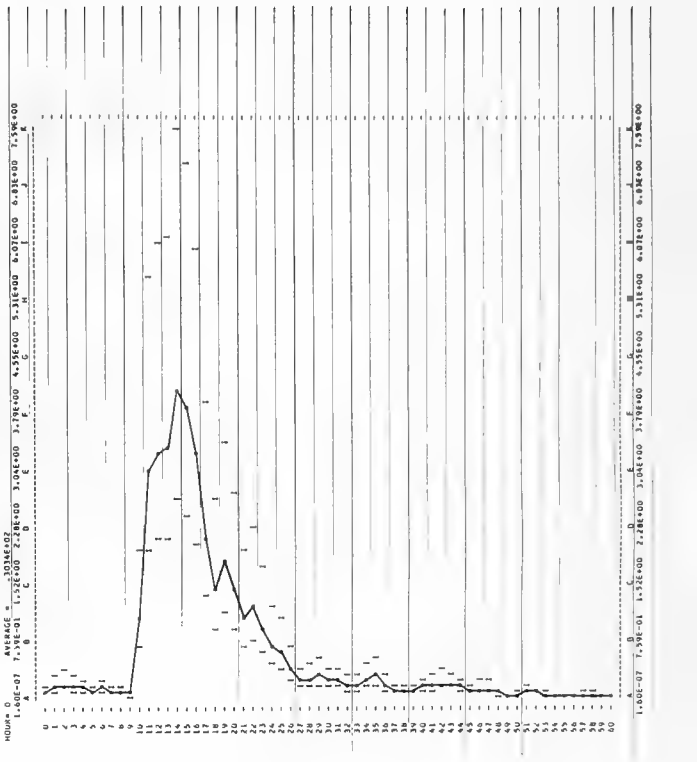
H	FRE.	UNIT*FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1923	.1923	.1752	.1752	.3229	.1116
1	.006	.3634	.3434	.3262	.3262	.6013	.2077
2	.011	.4147	.4147	.3975	.3975	.7327	.2531
3	.017	.2437	.2437	.2266	.2266	.4176	.1443
4	.022	.1472	.1472	.1301	.1301	.2398	.0828
5	.028	.1206	.1206	.1034	.1034	.1906	.0658
6	.033	.1005	.1005	.0834	.1314	.2421	.0836
7	.039	.1011	.1011	.0839	.1114	.2054	.0710
8	.044	.0974	.0974	.0803	.0956	.1762	.0609
9	.050	.1368	.1368	.1197	.1328	.2449	.0846
10	.056	.6751	.6751	.6580	.6995	1.2892	.4454
11	.061	2.0750	2.0750	2.0578	2.1350	3.9351	1.3594
12	.067	4.0973	4.0973	4.0801	4.1850	7.7135	2.6647
13	.072	5.3914	5.3914	5.3743	5.5140	10.1652	3.5110
14	.078	4.5448	4.5448	4.5277	4.6861	8.6373	2.9839
15	.083	2.7704	2.7704	2.7533	2.8948	5.3355	1.8432
16	.089	1.6759	1.6759	1.6588	1.7638	3.2509	1.1231
17	.094	1.3896	1.3896	1.3725	1.5142	2.7908	.9641
18	.100	1.5258	1.5258	1.5087	1.7175	3.1655	1.0936
19	.106	1.3836	1.3836	1.3665	1.6132	2.9733	1.0272
20	.111	1.1193	1.1193	1.1021	1.3534	2.4946	.8618
21	.117	1.0762	1.0762	1.0591	1.3574	2.5020	.8643
22	.122	.8763	.8763	.8592	1.1324	2.1258	.7344
23	.128	.5555	.5555	.5383	.7593	1.3995	.4835
24	.133	.3492	.3492	.3321	.4938	.9102	.3144
25	.139	.2063	.2063	.1892	.2976	.5484	.1895
26	.144	.1403	.1403	.1232	.2055	.3787	.1308
27	.150	.1363	.1363	.1192	.2114	.3896	.1346
28	.156	.1430	.1430	.1259	.2382	.4390	.1516
29	.161	.1646	.1646	.1474	.2982	.5496	.1899
30	.167	.1688	.1688	.1516	.3291	.6066	.2096
31	.172	.1160	.1160	.0989	.2306	.4250	.1468
32	.178	.0802	.0802	.0630	.1586	.2923	.1010
33	.183	.0766	.0766	.0595	.1617	.2980	.1030
34	.189	.0665	.0665	.0494	.1455	.2682	.0927
35	.194	.0716	.0716	.0545	.1744	.3215	.1111
36	.200	.0798	.0798	.0626	.2185	.4028	.1391
37	.206	.0711	.0711	.0540	.2055	.3788	.1309
38	.211	.0633	.0633	.0462	.1927	.3551	.1227
39	.217	.0528	.0528	.0356	.1633	.3010	.1040
40	.222	.0388	.0388	.0216	.1089	.2008	.0694
41	.228	.0476	.0462	.0290	.1617	.2981	.1030
42	.233	.0567	.0513	.0342	.2103	.3877	.1339
43	.239	.0442	.0445	.0273	.1865	.3437	.1187
44	.244	.0304	.0329	.0157	.1192	.2197	.0759
45	.250	.0281	.0284	.0113	.0954	.1758	.0607
46	.256	.0282	.0281	.0110	.1035	.1907	.0659
47	.261	.0279	.0279	.0107	.1134	.2089	.0722
48	.267	.0295	.0287	.0116	.1372	.2529	.0874
49	.272	.0277	.0286	.0115	.1535	.2829	.0977
50	.278	.0240	.0246	.0124	.1877	.3459	.1195
51	.283	.0292	.0268	.0095	.1613	.2974	.1027
52	.289	.0126	.0160	.0000	.0000	.0000	.0000
53	.294	.0064	.0094	.0000	.0000	.0000	.0000
54	.300	.0116	.0117	.0000	.0000	.0000	.0000
55	.306	.0186	.0168	.0000	.0000	.0000	.0000
56	.311	.0193	.0182	.0011	.0359	.0662	.0229
57	.317	.0142	.0158	.0000	.0000	.0000	.0000
58	.322	.0144	.0136	.0000	.0000	.0000	.0000
59	.328	.0203	.0193	.0022	.1077	.1985	.0686
60	.333	.0238	.0221	.0049	.2854	.5261	.1817



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 | AV. T= 9.3 | RECORD = DL 55
HOUR = 0 | SIG.HGT. = 24.9 | UPPER HGT. = 27.3
TOTAL OF =162 | CORR. VAR. = 38.8 | LOWER HGT. = 22.7
NOISE LEVEL = .0165 | WIND SPEED = 40

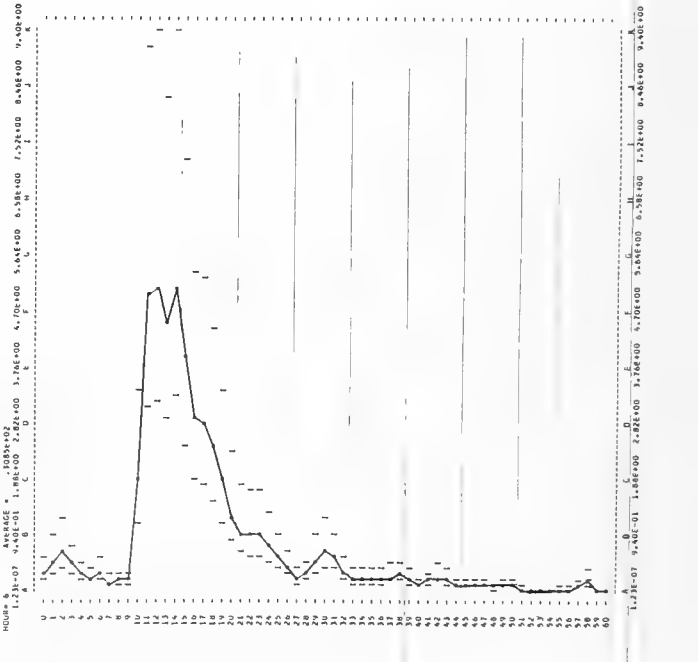
H	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1078	.1078	.0913	.0913	.1683	.0581
1	.006	.1646	.1646	.1481	.1481	.2729	.0943
2	.011	.2044	.2044	.1879	.1879	.3463	.1196
3	.017	.1637	.1637	.1472	.1472	.2713	.0937
4	.022	.1433	.1433	.1268	.1268	.2337	.0807
5	.028	.1193	.1193	.1027	.1027	.1893	.0654
6	.033	.0900	.0900	.0734	.1157	.2133	.0737
7	.039	.0699	.0699	.0533	.0708	.1305	.0451
8	.044	.0981	.0981	.0815	.0971	.1790	.0618
9	.050	.0580	.0580	.0415	.0460	.0849	.0293
10	.056	1.0235	1.0235	1.0069	1.0704	1.9729	.6816
11	.061	2.9716	2.9716	2.9551	3.0659	5.6509	1.9522
12	.067	3.2346	3.2346	3.2181	3.3008	6.0838	2.1017
13	.072	3.2853	3.2853	3.2688	3.3538	6.1816	2.1355
14	.078	3.9952	3.9952	3.9786	4.1179	7.5899	2.8220
15	.083	3.6936	3.6936	3.6771	3.8661	7.1258	2.4617
16	.089	3.0825	3.0825	3.0659	3.2600	6.0087	2.0758
17	.094	1.9418	1.9418	1.9253	2.1243	3.9154	1.3526
18	.100	1.2816	1.2816	1.2650	1.4401	2.6544	.9170
19	.106	1.5697	1.5697	1.5532	1.8336	3.3795	1.1675
20	.111	1.2153	1.2153	1.1988	1.4721	2.7134	.9374
21	.117	.8651	.8651	.8486	1.0876	2.0046	.6925
22	.122	.9240	.9240	.9075	1.2182	2.2453	.7757
23	.128	.6780	.6780	.6614	.9330	1.7196	.5941
24	.133	.4695	.4695	.4530	.6736	1.2416	.4289
25	.139	.3806	.3806	.3641	.5728	1.0557	.3647
26	.144	.2331	.2331	.2166	.3614	.6661	.2301
27	.150	.1435	.1435	.1270	.2253	.4152	.1434
28	.156	.1415	.1415	.1250	.2365	.4359	.1506
29	.161	.1506	.1506	.1340	.2711	.4997	.1726
30	.167	.1170	.1170	.1005	.2181	.4020	.1389
31	.172	.1016	.1016	.0851	.1985	.3658	.1264
32	.178	.0873	.0873	.0708	.1782	.3285	.1135
33	.183	.0805	.0805	.0639	.1738	.3204	.1107
34	.189	.1012	.1012	.0846	.2495	.4598	.1589
35	.194	.1008	.1008	.0843	.2699	.4974	.1718
36	.200	.0642	.0642	.0477	.1864	.3066	.1059
37	.206	.0401	.0401	.0236	.0897	.1654	.0571
38	.211	.0354	.0354	.0189	.0787	.1451	.0501
39	.217	.0328	.0328	.0162	.0744	.1371	.0474
40	.222	.0416	.0416	.0251	.1246	.2333	.0806
41	.228	.0498	.0472	.0306	.1704	.3140	.1085
42	.233	.0481	.0473	.0308	.1894	.3492	.1206
43	.239	.0450	.0433	.0268	.1825	.3363	.1162
44	.244	.0331	.0350	.0185	.1400	.2581	.0891
45	.250	.0265	.0286	.0121	.1024	.1888	.0652
46	.256	.0302	.0285	.0120	.1130	.2082	.0719
47	.261	.0283	.0270	.0105	.1110	.2047	.0707
48	.267	.0199	.0212	.0047	.0560	.1032	.0357
49	.272	.0146	.0168	.0003	.0041	.0075	.0026
50	.278	.0187	.0181	.0016	.0242	.0445	.0154
51	.283	.0218	.0205	.0039	.0674	.1242	.0429
52	.289	.0196	.0197	.0031	.0609	.1123	.0388
53	.294	.0186	.0177	.0012	.0267	.0493	.0170
54	.300	.0129	.0141	.0000	.0000	.0000	.0000
55	.306	.0105	.0121	.0000	.0000	.0000	.0000
56	.311	.0154	.0146	.0000	.0000	.0000	.0000
57	.317	.0183	.0173	.0008	.0295	.0544	.0188
58	.322	.0172	.0172	.0007	.0308	.0567	.0196
59	.328	.0158	.0162	.0000	.0000	.0000	.0000
60	.333	.0157	.0158	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 | AV. T= 9.4 | RECORD = DL 56
HOUR = 6 | SIG.HGT. = 28.3 | UPPER HGT. = 30.9
TOTAL OF =167 | CORR. VAR. = 50.0 | LOWER HGT. = 25.9
NOISE LEVEL = .0211 | WIND SPEED = 40

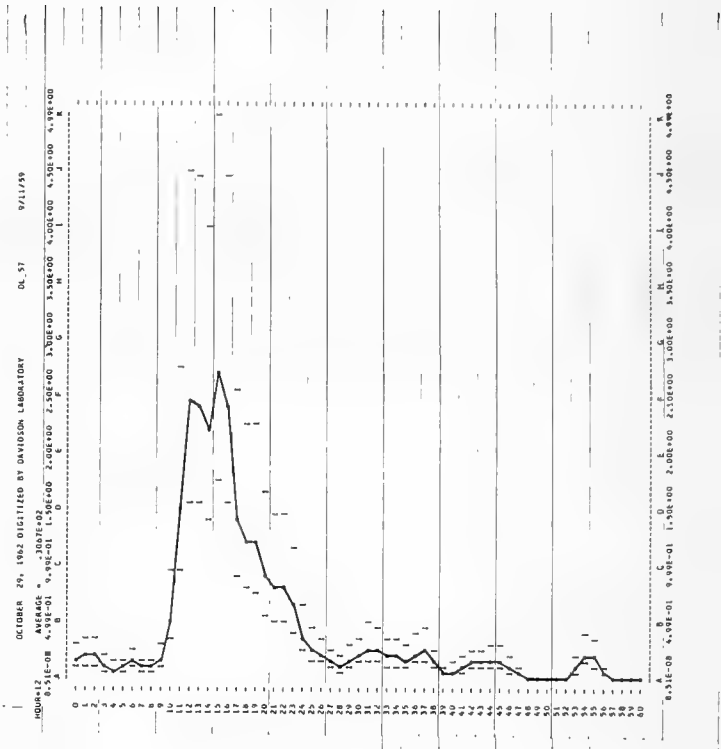
H	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.3360	.3360	.3149	.3149	.5804	.2005
1	.006	.5303	.5303	.5092	.5092	.9385	.3242
2	.011	.6845	.6845	.6633	.6633	1.2226	.4224
3	.017	.4444	.4444	.4233	.4233	.7802	.2695
4	.022	.2598	.2598	.2387	.2387	.4399	.1520
5	.028	.2440	.2440	.2228	.2228	.4107	.1419
6	.033	.2030	.2030	.1819	.2866	.5282	.1825
7	.039	.1241	.1241	.1030	.1367	.2520	.0871
8	.044	.1478	.1478	.1267	.1508	.2780	.0960
9	.050	.1769	.1769	.1557	.1729	.3186	.1101
10	.056	1.7463	1.7463	1.7252	1.8339	3.3801	1.1677
11	.061	4.7895	4.7895	4.7684	4.9472	9.1184	3.1501
12	.067	4.9828	4.9828	4.9617	5.0892	9.3801	3.2405
13	.072	4.4121	4.4121	4.3910	4.5051	8.3036	2.8688
14	.078	4.9506	4.9506	4.9295	5.1020	9.4037	3.2486
15	.083	3.7382	3.7382	3.7170	3.9081	7.2032	2.4884
16	.089	2.7545	2.7545	2.7333	2.9084	5.3589	1.8506
17	.094	2.6058	2.6058	2.5847	2.8520	5.2568	1.8160
18	.100	2.1307	2.1307	2.1096	2.4016	4.4264	1.5292
19	.106	1.5833	1.5833	1.5621	1.8441	3.3989	1.1742
20	.111	1.0543	1.0543	1.0332	1.2687	2.3385	.8078
21	.117	.7836	.7836	.7625	.9773	1.8013	.6223
22	.122	.7029	.7029	.6818	.9153	1.6869	.5828
23	.128	.6760	.6760	.6549	.9237	1.7025	.5882
24	.133	.5054	.5054	.4842	.7201	1.3272	.4585
25	.139	.3546	.3546	.3335	.5246	.9669	.3340
26	.144	.2493	.2493	.2281	.3806	.7015	.2424
27	.150	.1405	.1405	.1193	.2116	.3901	.1347
28	.156	.1866	.1866	.1655	.2752	.5072	.1752
29	.161	.2716	.2716	.2505	.5067	.9339	.3226
30	.167	.3235	.3235	.3024	.6563	1.2096	.4179
31	.172	.2435	.2435	.2223	.5185	.9556	.3301
32	.178	.1469	.1469	.1258	.3166	.5835	.2016
33	.183	.1026	.1026	.0814	.2213	.4079	.1409
34	.189	.0925	.0925	.0714	.2104	.3878	.1340
35	.194	.0863	.0863	.0652	.2087	.3847	.1329
36	.200	.0761	.0761	.0550	.1918	.3535	.1221
37	.206	.0821	.0821	.0610	.2322	.4280	.1478
38	.211	.0832	.0832	.0621	.2590	.4774	.1649
39	.217	.0611	.0611	.0400	.1832	.3377	.1167
40	.222	.0407	.0407	.0196	.0987	.1819	.0628
41	.228	.0534	.0517	.0305	.1698	.3130	.1081
42	.233	.0660	.0592	.0380	.2338	.4310	.1489
43	.239	.0506	.0511	.0300	.2044	.3767	.1301
44	.244	.0333	.0372	.0180	.1217	.2244	.0775
45	.250	.0309	.0316	.0104	.0880	.1622	.0561
46	.256	.0323	.0310	.0099	.0933	.1719	.0594
47	.261	.0281	.0286	.0075	.0789	.1455	.0503
48	.267	.0240	.0260	.0049	.0581	.1071	.0370
49	.272	.0296	.0280	.0069	.0917	.1691	.0584
50	.278	.0310	.0288	.0076	.1152	.2124	.0734
51	.283	.0224	.0234	.0023	.0388	.0715	.0247
52	.289	.0161	.0178	.0000	.0000	.0000	.0000
53	.294	.0150	.0186	.0008	.0000	.0000	.0000
54	.300	.0215	.0202	.0000	.0000	.0000	.0000
55	.306	.0237	.0228	.0018	.0469	.0864	.0298
56	.311	.0206	.0222	.0011	.0356	.0656	.0227
57	.317	.0250	.0240	.0029	.1087	.2004	.0692
58	.322	.0276	.0254	.0043	.1869	.3408	.1177
59	.328	.0202	.0214	.0003	.0135	.0249	.0086
60	.333	.0149	.0176	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 | AV. T= 8.8 | RECORD = OL 57
HOUR = 12 | SIG.HGT. = 20.7 | UPPER HGT. = 22.6
TOTAL OF =177 | CORR. VAR. = 26.8 | LOWER HGT. = 19.0
NOISE LEVEL = .0176 | WIND SPEED = 30

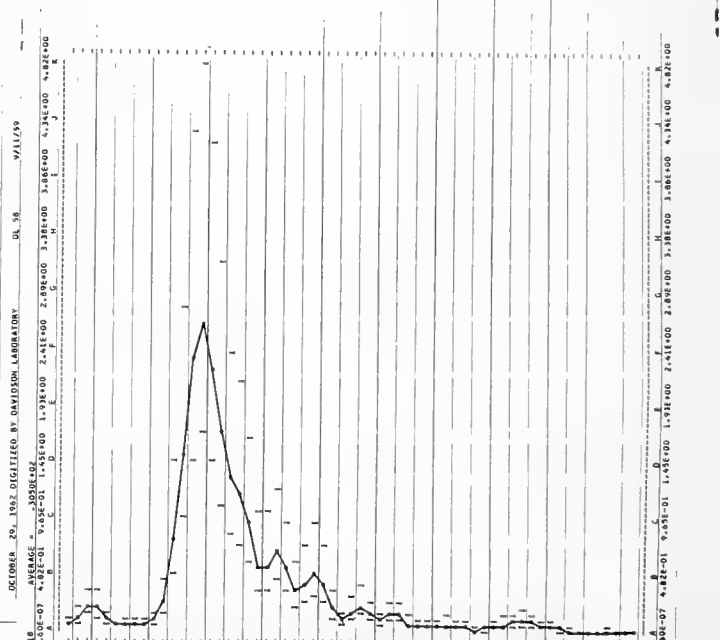
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.1748	.1748	.1572	.1572	.2898	.1001
1	.006	.2030	.2030	.1854	.1854	.3416	.1180
2	.011	.1958	.1958	.1781	.1781	.3283	.1134
3	.017	.1188	.1188	.1012	.1012	.1866	.0645
4	.022	.0892	.0892	.0716	.0716	.1320	.0456
5	.028	.1121	.1121	.0945	.0945	.1742	.0802
6	.033	.1090	.1090	.0914	.1439	.2653	.0916
7	.039	.0839	.0839	.0662	.0879	.1621	.0560
8	.044	.0881	.0881	.0706	.0839	.1546	.0534
9	.050	.1535	.1535	.1358	.1508	.2779	.0960
10	.056	.5093	.5093	.4916	.5226	.9632	.3328
11	.061	1.4516	1.4516	1.4340	1.4877	2.7421	.9473
12	.067	2.3864	2.3864	2.3688	2.4296	4.4782	1.5470
13	.072	2.3585	2.3585	2.3409	2.4018	4.4268	1.5293
14	.078	2.1235	2.1235	2.1058	2.1795	4.0172	1.3878
15	.083	2.5952	2.5952	2.5775	2.7100	4.9950	1.7256
16	.089	2.2940	2.2940	2.2764	2.4205	4.4613	1.5412
17	.094	1.2672	1.2672	1.2495	1.3787	2.5412	.8779
18	.100	1.0867	1.0867	1.0691	1.2171	2.2432	.7750
19	.106	1.0435	1.0435	1.0259	1.2110	2.2321	.7711
20	.111	.7377	.7377	.7201	.8842	1.6298	.5630
21	.117	.6251	.6251	.6075	.7786	1.4350	.4958
22	.122	.5967	.5967	.5790	.7773	1.4327	.4949
23	.128	.4612	.4612	.4436	.5257	1.1533	.3984
24	.133	.2591	.2591	.2414	.3591	.6618	.2286
25	.139	.1868	.1868	.1692	.2347	.4326	.1494
26	.144	.1356	.1356	.1179	.1908	.3627	.1253
27	.150	.0909	.0909	.0733	.1300	.2396	.0828
28	.156	.0791	.0791	.0615	.1164	.2145	.0741
29	.161	.0956	.0956	.0780	.1577	.2907	.1004
30	.167	.1100	.1100	.0924	.2004	.3695	.1276
31	.172	.1311	.1311	.1135	.2646	.4878	.1685
32	.178	.1135	.1135	.0959	.2414	.4449	.1537
33	.183	.0850	.0850	.0674	.1832	.3377	.1167
34	.189	.0775	.0775	.0599	.1765	.3253	.1124
35	.194	.0678	.0678	.0502	.1606	.2960	.1023
36	.200	.0767	.0767	.0591	.2062	.3800	.1313
37	.206	.0810	.0810	.0633	.2413	.4447	.1536
38	.211	.0519	.0519	.0343	.1429	.2635	.0910
39	.217	.0292	.0292	.0116	.0532	.0980	.0338
40	.222	.0321	.0321	.0144	.0727	.1340	.0463
41	.228	.0396	.0377	.0201	.1110	.2046	.0710
42	.233	.0402	.0396	.0219	.1350	.2488	.0859
43	.239	.0376	.0383	.0207	.1412	.2602	.0899
44	.244	.0379	.0379	.0203	.1538	.2835	.0979
45	.250	.0368	.0353	.0177	.1497	.2760	.0953
46	.256	.0275	.0283	.0107	.1012	.1865	.0644
47	.261	.0203	.0215	.0039	.0411	.0758	.0262
48	.267	.0184	.0179	.0003	.0032	.0060	.0021
49	.272	.0140	.0145	.0000	.0000	.0000	.0000
50	.278	.0102	.0118	.0000	.0000	.0000	.0000
51	.283	.0123	.0129	.0000	.0000	.0000	.0000
52	.289	.0162	.0167	.0000	.0000	.0000	.0000
53	.294	.0234	.0222	.0045	.1000	.1843	.0637
54	.300	.0277	.0258	.0081	.2044	.3767	.1301
55	.306	.0250	.0243	.0067	.1914	.3528	.1219
56	.311	.0186	.0195	.0019	.0819	.1161	.0394
57	.317	.0148	.0158	.0000	.0000	.0000	.0000
58	.322	.0162	.0151	.0000	.0000	.0000	.0000
59	.328	.0130	.0132	.0000	.0000	.0000	.0000
60	.333	.0088	.0108	.0000	.0000	.0000	.0000



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 9/11/59 | AV. T= 9.1 | RECORD = OL 58
HOUR = 18 | SIG.HGT. = 18.8 | UPPER HGT. = 20.4
TOTAL OF =180 | CORR. VAR. = 21.6 | LOWER HGT. = 17.0
NOISE LEVEL = .0082 | WIND SPEED = 29

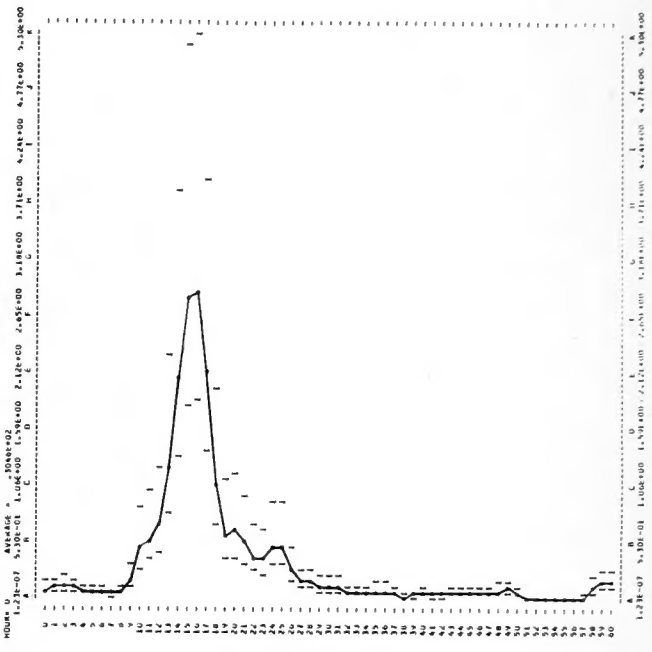
M	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0561	.0561	.0479	.0479	.0882	.0305
1	.006	.1101	.1101	.1018	.1018	.1876	.0648
2	.011	.2015	.2015	.1932	.1932	.3562	.1230
3	.017	.1837	.1837	.1755	.1755	.3234	.1117
4	.022	.0951	.0951	.0869	.0869	.1601	.0553
5	.028	.0472	.0472	.0390	.0390	.0718	.0248
6	.033	.0405	.0405	.0323	.0509	.0938	.0324
7	.039	.0384	.0384	.0302	.0401	.0739	.0255
8	.044	.0493	.0411	.0411	.0489	.0902	.0312
9	.050	.0826	.0826	.0744	.0825	.1521	.0526
10	.056	.2420	.2420	.2337	.2485	.4579	.1582
11	.061	.7606	.7606	.7523	.7805	1.4386	.4970
12	.067	1.4729	1.4729	1.4647	1.5023	2.7688	.9566
13	.072	2.2496	2.2496	2.2413	2.2996	4.2385	1.4642
14	.078	2.5371	2.5371	2.5289	2.8176	4.8252	1.6666
15	.083	2.1415	2.1415	2.1332	2.2429	4.1340	1.4281
16	.089	1.6104	1.6104	1.6021	1.7036	3.1399	1.0847
17	.094	1.1795	1.1795	1.1713	1.2924	2.3820	.8229
18	.100	1.0185	1.0185	1.0103	1.1501	2.1198	.7323
19	.106	.7692	.7692	.7610	.8983	1.6557	.5720
20	.111	.4572	.4572	.4490	.5513	1.0162	.3511
21	.117	.4409	.4409	.4326	.5545	1.0221	.3531
22	.122	.5031	.5031	.4949	.6844	1.2265	.4230
23	.128	.3679	.3679	.3596	.5072	.9349	.3230
24	.133	.2250	.2250	.2167	.3223	.5941	.2052
25	.139	.2540	.2540	.2458	.3867	.7127	.2462
26	.144	.3009	.3009	.2926	.4882	.8999	.3109
27	.150	.2364	.2364	.2281	.4046	.7457	.2576
28	.156	.1052	.1052	.0970	.1835	.3382	.1168
29	.161	.0514	.0514	.0432	.0873	.1610	.0556
30	.167	.0780	.0697	.0697	.1514	.2790	.0964
31	.172	.0965	.0965	.0883	.2059	.3795	.1311
32	.178	.0605	.0605	.0523	.1315	.2424	.0838
33	.183	.0379	.0379	.0297	.0806	.1485	.0513
34	.189	.0518	.0518	.0436	.1284	.2367	.0818
35	.194	.0472	.0472	.0389	.1247	.2298	.0794
36	.200	.0280	.0280	.0197	.0689	.1269	.0438
37	.206	.0229	.0229	.0147	.0559	.1030	.0356
38	.211	.0217	.0217	.0135	.0561	.1034	.0357
39	.217	.0191	.0191	.0109	.0498	.0918	.0317
40	.222	.0223	.0223	.0141	.0711	.1310	.0452
41	.228	.0213	.0200	.0117	.0652	.1202	.0415
42	.233	.0137	.0149	.0067	.0411	.0758	.0262
43	.239	.0092	.0109	.0027	.0185	.0340	.0118
44	.244	.0116	.0117	.0035	.0262	.0483	.0167
45	.250	.0152	.0144	.0062	.0522	.0962	.0332
46	.256	.0156	.0157	.0074	.0702	.1294	.0447
47	.261	.0167	.0163	.0081	.0854	.1574	.0544
48	.267	.0170	.0163	.0080	.0955	.1760	.0608
49	.272	.0144	.0144	.0062	.0830	.1529	.0528
50	.278	.0114	.0119	.0037	.0558	.1029	.0355
51	.283	.0105	.0106	.0023	.0400	.0738	.0255
52	.289	.0101	.0099	.0017	.0321	.0592	.0205
53	.294	.0086	.0089	.0006	.0139	.0257	.0089
54	.300	.0079	.0081	.0000	.0000	.0000	.0000
55	.306	.0082	.0082	.0000	.0000	.0000	.0000
56	.311	.0086	.0085	.0003	.0091	.0168	.0058
57	.317	.0091	.0087	.0005	.0181	.0333	.0115
58	.322	.0087	.0087	.0000	.0000	.0000	.0000
59	.328	.0059	.0063	.0000	.0000	.0000	.0000
60	.333	.0040	.0049	.0000	.0000	.0000	.0000



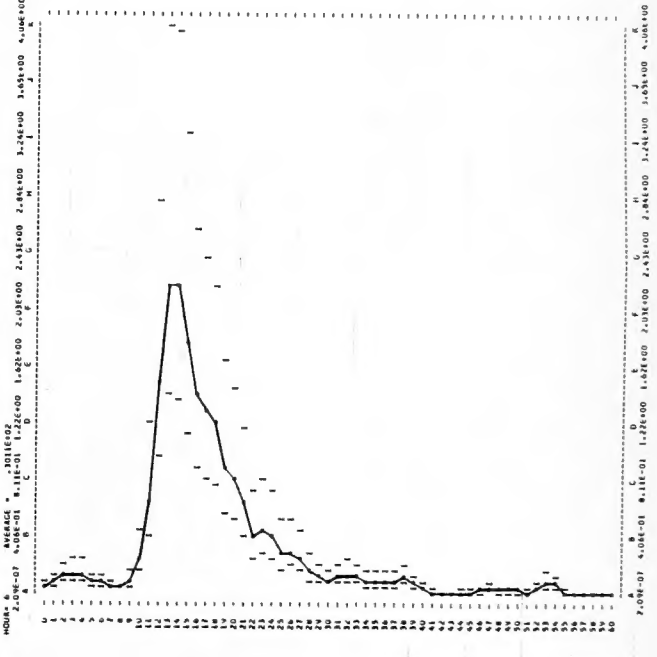
SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/59 | AV. T= 8.7 | RECOND = DL 59
HOUR = 0 | SIG.HGT. = 18.1 | UPPER HGT. = 20.0
TOTAL OF =136 | CORR. VAR. = 20.5 | LOWER HGT. = 16.4
NOISE LEVEL = .0077 | WIND SPEED = 30

H	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0871	.0871	.0794	.0794	.1464	.0506
1	.006	.1062	.1062	.0985	.0985	.1816	.0627
2	.011	.1222	.1222	.1145	.1145	.2110	.0729
3	.017	.0988	.0988	.0911	.0911	.1679	.0580
4	.022	.0865	.0865	.0788	.0788	.1084	.0375
5	.028	.0538	.0538	.0461	.0461	.0849	.0293
6	.033	.0384	.0384	.0307	.0307	.0566	.0308
7	.039	.0333	.0333	.0256	.0740	.0626	.0216
8	.044	.0488	.0488	.0411	.0489	.0901	.0311
9	.050	.1887	.1887	.1810	.1787	.3293	.1138
10	.056	.4354	.4354	.4277	.4947	.8380	.2895
11	.061	.5371	.5371	.5294	.5493	1.0124	.3497
12	.067	.6630	.6630	.6553	.6721	1.2388	.4280
13	.072	1.2005	1.2005	1.1928	1.2238	2.2556	.7792
14	.078	2.0085	2.0085	2.0008	2.0708	3.8168	1.3186
15	.083	2.6926	2.6926	2.6849	2.8229	5.2030	1.7974
16	.089	2.7100	2.7100	2.7023	2.8733	5.2960	1.8296
17	.094	1.9474	1.9474	1.9397	2.1403	3.9449	1.3628
18	.100	.9494	.9494	.9417	1.0720	1.9759	.6826
19	.106	.5116	.5116	.5039	.5948	1.0963	.3787
20	.111	.5108	.5108	.5031	.6178	1.1388	.3934
21	.117	.4196	.4196	.4119	.5279	.9731	.3362
22	.122	.2886	.2886	.2809	.3771	.6951	.2401
23	.128	.2585	.2585	.2508	.3537	.6520	.2252
24	.133	.3372	.3372	.3295	.4901	.9032	.3120
25	.139	.3169	.3169	.3092	.4864	.8966	.3097
26	.144	.1697	.1697	.1620	.2703	.4982	.1721
27	.150	.0909	.0909	.0832	.1475	.2718	.0939
28	.156	.0814	.0814	.0737	.1396	.2570	.0888
29	.161	.0684	.0684	.0607	.1227	.2262	.0781
30	.167	.0641	.0641	.0564	.1223	.2255	.0779
31	.172	.0555	.0555	.0478	.1114	.2054	.0709
32	.178	.0361	.0361	.0284	.0715	.1319	.0456
33	.183	.0258	.0258	.0178	.0485	.0894	.0309
34	.189	.0278	.0278	.0200	.0591	.1089	.0376
35	.194	.0319	.0319	.0242	.0775	.1428	.0493
36	.200	.0293	.0293	.0216	.0756	.1390	.0480
37	.206	.0199	.0199	.0122	.0466	.0858	.0297
38	.211	.0120	.0120	.0043	.0179	.0330	.0114
39	.217	.0148	.0148	.0071	.0326	.0598	.0207
40	.222	.0163	.0163	.0086	.0432	.0797	.0275
41	.228	.0140	.0146	.0069	.0384	.0708	.0245
42	.233	.0144	.0142	.0065	.0402	.0741	.0256
43	.239	.0143	.0142	.0065	.0443	.0817	.0282
44	.244	.0135	.0139	.0062	.0471	.0868	.0300
45	.250	.0150	.0143	.0066	.0599	.1030	.0356
46	.256	.0138	.0138	.0061	.0578	.1065	.0368
47	.261	.0117	.0128	.0051	.0538	.0992	.0343
48	.267	.0150	.0141	.0063	.0754	.1390	.0480
49	.272	.0159	.0146	.0069	.0927	.1709	.0590
50	.278	.0112	.0117	.0040	.0605	.1116	.0385
51	.283	.0080	.0085	.0008	.0133	.0245	.0084
52	.289	.0068	.0068	.0000	.0000	.0000	.0000
53	.294	.0059	.0060	.0000	.0000	.0000	.0000
54	.300	.0052	.0054	.0000	.0000	.0000	.0000
55	.306	.0044	.0051	.0000	.0000	.0000	.0000
56	.311	.0061	.0062	.0000	.0000	.0000	.0000
57	.317	.0086	.0083	.0006	.0236	.0435	.0150
58	.322	.0106	.0101	.0026	.1028	.1895	.0655
59	.328	.0108	.0106	.0029	.1434	.2643	.0913
60	.333	.0096	.0102	.0025	.1433	.2642	.0913



SPECTRA HINDCASTING OCTOBER 29, 1962 DIGITIZED BY DAVIDSON LABORATORY

DATE = 10/11/59 | AV. T= 9.3 | RECOND = DL 80
HOUR = 6 | SIG.HGT. = 17.6 | UPPER HGT. = 19.3
TOTAL OF =159 | CORR. VAR. = 19.3 | LOWER HGT. = 16.1
NOISE LEVEL = .0075 | WIND SPEED = 35

H	FRE.	UNIT=FT.2	FILTERED	LESS NOISE	CORR.FT.2	UPPER	LOWER
0	.000	.0586	.0586	.0511	.0511	.0942	.0325
1	.006	.0844	.0844	.0769	.0769	.1418	.0490
2	.011	.1171	.1171	.1095	.1095	.2019	.0697
3	.017	.1429	.1429	.1353	.1353	.2494	.0862
4	.022	.1299	.1299	.1224	.1224	.2256	.0779
5	.028	.0756	.0756	.0681	.0681	.1255	.0434
6	.033	.0537	.0537	.0462	.0728	.1342	.0464
7	.039	.0419	.0419	.0344	.0457	.0842	.0291
8	.044	.0343	.0343	.0268	.0319	.0588	.0203
9	.050	.0889	.0889	.0814	.0903	.1664	.0575
10	.056	.2250	.2250	.2174	.2311	.4260	.1472
11	.061	.6491	.6491	.6416	.6656	1.2268	.4238
12	.067	1.4830	1.4830	1.4754	1.5133	2.7893	.9636
13	.072	2.1524	2.1524	2.1449	2.2006	4.0561	1.4012
14	.078	2.1135	2.1135	2.1059	2.1797	4.0174	1.3879
15	.083	1.6926	1.6926	1.6850	1.7716	3.2654	1.1281
16	.089	1.3265	1.3265	1.3190	1.4025	2.5849	.8930
17	.094	1.1845	1.1845	1.1770	1.2987	2.3937	.8269
18	.100	1.0598	1.0598	1.0522	1.1979	2.2078	.7627
19	.106	.7681	.7681	.7605	.8978	1.6548	.5717
20	.111	.6586	.6586	.6511	.7995	1.4736	.5091
21	.117	.5131	.5131	.5056	.6480	1.1943	.4126
22	.122	.2994	.2994	.2919	.3919	.7223	.2495
23	.128	.3157	.3157	.3082	.4347	.8013	.2768
24	.133	.2750	.2750	.2675	.3978	.7331	.2533
25	.139	.1855	.1855	.1779	.2799	.5159	.1782
26	.144	.1839	.1839	.1763	.2942	.5423	.1873
27	.150	.1446	.1446	.1370	.2430	.4479	.1547
28	.156	.0868	.0868	.0793	.1494	.2753	.0955
29	.161	.0657	.0657	.0582	.1177	.2169	.0749
30	.167	.0517	.0517	.0441	.0958	.1766	.0610
31	.172	.0526	.0526	.0450	.1050	.1935	.0669
32	.178	.0559	.0559	.0483	.1217	.2242	.0775
33	.183	.0462	.0462	.0387	.1052	.1939	.0670
34	.189	.0385	.0385	.0310	.0913	.1683	.0581
35	.194	.0339	.0339	.0264	.0846	.1558	.0538
36	.200	.0301	.0301	.0226	.0787	.1451	.0501
37	.206	.0325	.0325	.0250	.0952	.1755	.0606
38	.211	.0339	.0339	.0264	.1101	.2030	.0701
39	.217	.0235	.0235	.0160	.0732	.1349	.0466
40	.222	.0142	.0142	.0066	.0335	.0618	.0213
41	.228	.0099	.0099	.0023	.0176	.0324	.0112
42	.233	.0081	.0087	.0012	.0073	.0134	.0046
43	.239	.0089	.0088	.0013	.0087	.0161	.0055
44	.244	.0092	.0093	.0018	.0134	.0246	.0085
45	.250	.0098	.0099	.0023	.0197	.0364	.0126
46	.256	.0109	.0106	.0031	.0290	.0536	.0184
47	.261	.0110	.0107	.0031	.0333	.0613	.0212
48	.267	.0095	.0098	.0022	.0264	.0487	.0168
49	.272	.0089	.0091	.0015	.0203	.0374	.0129
50	.278	.0092	.0090	.0014	.0215	.0396	.0137
51	.283	.0079	.0086	.0011	.0180	.0331	.0114
52	.289	.0092	.0094	.0019	.0362	.0667	.0230
53	.294	.0127	.0113	.0037	.0823	.1516	.0524
54	.300	.0106	.0105	.0030	.0752	.1385	.0479
55	.306	.0074	.0082	.0006	.0179	.0329	.0114
56	.311	.0074	.0072	.0000	.0000	.0000	.0000
57	.317	.0061	.0061	.0000	.0000	.0000	.0000
58	.322	.0039	.0048	.0000	.0000	.0000	.0000
59	.328	.0044	.0045	.0000	.0000	.0000	.0000
60	.333	.0054	.0050	.0000	.0000	.0000	.0000