

Chapter 5

SUMMARY

The conclusions of this thesis are as follows:

- Phase/time/path difference (PTPD) methods of Esteva [1977] and Borgman [1974] with two modifications, viz., *true phase* and *coherence* proposed in this thesis, have for the first time been successfully used for computing wave direction as a function of frequency from actual field measurements at the Coastal Engineering Research Center's (CERC) Field Research Facility at Duck, North Carolina, USA, using polygonal and linear arrays respectively in case of swell, sea and surf beat as the directional spread is generally unimodal. PTPD methods fail in case of multimodal directional spreads, which can be easily spotted from the large value of the standard deviation of redundant estimates of wave direction. In this thesis it is shown that PTPD methods are adept in describing the propagation of waves generated by distant storms (swell); locally generated wind waves (sea); infra gravity waves (surf beat) locally generated by energetic incident swell; and surf beat of remote origin occurring when low swell energies are present. Results of PTPD methods are consistent with those obtained by the CERC using the Iterative Maximum Likelihood Estimation (IMLE) method.
- Software has been developed indigenously for the determination of wave direction from time series measurements of heave, pitch and roll of an orbital following buoy. The software has been tested and validated with computer simulated data. Some modifications are needed for dealing with field data.
- Having failed to find a clear signature of ocean waves from three SAR scenes along the coast of India, two scenes off Portugal showing "swell" waves were analysed. Software developed for removal of 180° ambiguity in wave direction from computer simulated images should be useful to remove the said ambiguity from actual ERS-1 SAR imagery if at least two looks of the multi-look data is available.

5.1 STATEMENT ABOUT CONTRIBUTION OF CO-AUTHORS IN PUBLISHED WORK

I registered for Ph.D. degree on 7 June 1994. As my work progressed, I published the following:

1. **A. A. Fernandes**, Y. V. B. Sarma, and H. B. Menon, 1995. *Directional spectrum of ocean waves at Duck, North Carolina, USA from array measurements using phase/time/path difference methods*. NIO Technical Report No. NIO/TR-2/95, 35 pages + 20 figures + 65 tables, September 1995.
2. **A. A. Fernandes**, Y. V. B. Sarma, and H. B. Menon, 1996. Wave directional spectrum from array measurements. *Proceedings International Conference in Ocean Engineering, COE'96*, held at IIT, Madras, India during 17-20 December 1996, pp 243–248.
3. **A. A. Fernandes**, Y. V. B. Sarma, and H. B. Menon, 2000. Directional spectrum of ocean waves from array measurements using phase/time/path difference methods. *Ocean Engineering*, 27(4), pp 345–363.
4. **A. A. Fernandes**, Y. V. B. Sarma, H. B. Menon, and P. Vethamony. Wave directional spectrum from SAR imagery (Communicated to *Photonirvachak*).

The work reported in the above four publications has been done by me independently under the guidance of Dr. H. B. Menon. Dr. Y. V. B. Sarma and Dr. Vethamony were on occasion used as sounding boards for my ideas.

The following work has been done by me independently, *prior* to registration for Ph.D. in which Dr. P. Vethamony organized the deployment of an ENDECO orbital following buoy off Candolim, Goa. Mr. Vaithyanathan and Mr. Almeida provided technical support during the field observations. Mr. Almeida also wrote a computer program to convert ASCII data into Motorola Format which enabled me to test the ENDECO software for determining wave directional spectrum with computer simulated data generated by me:

- **A. A. Fernandes**, A. M. Almeida, R. Vaithyanathan, and P. Vethamony, 1994. Determination of wave direction using an orbital following buoy. In: *Ocean technology perspectives*. Edited by S. K. Agadi, V. Kesava Das and B. N. Desai, pp 378–388, Publications and Information Directorate, New Delhi.

Appendix A

Modified Borgman's analysis — 10 redundant estimates

Table A.1 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 01:00 HOURS Hmo=1.10 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² *2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	2.024	-41.98	-41.87	-41.13	-42.19	-26.42	-19.48	-41.77	-41.04	-1.67	-26.95	-32.59	13.01
3	64.00	4.655	-25.80	-26.03	-18.38	-20.69	-15.96	-21.58	-25.51	-21.43	9.99	-18.92	-18.54	10.00
4	42.67	6.480	-18.22	-17.67	-9.88	-12.19	-8.57	-15.54	-18.65	-12.88	17.07	-13.61	-11.12	9.91
5	32.00	5.326	-17.42	-15.63	-7.26	-10.08	-4.36	-11.96	-18.63	-10.45	19.72	-11.54	-8.87	10.37
6	25.60	4.091	-13.71	-13.41	-5.67	-8.07	-2.25	-8.56	-14.81	-8.67	19.89	-8.54	-6.46	9.48
7	21.33	3.969	-12.17	-11.55	-7.18	-9.07	-3.06	-6.49	-12.93	-9.01	16.78	-9.63	-6.49	8.22
8	18.29	6.579	-8.73	-8.31	-7.05	-7.82	-6.19	-5.77	-9.01	-7.67	4.77	-11.06	-6.69	4.08
9	16.00	16.652	-6.09	-6.16	-5.82	-6.01	-8.74	-6.21	-7.23	-6.02	-1.60	-11.56	-6.54	2.38
10	14.22	26.962	-5.00	-5.11	-4.94	-5.01	-6.94	-6.58	-8.86	-5.03	-.62	-8.77	-5.68	2.23
11	12.80	24.715	-6.34	-6.62	-6.38	-6.45	-7.01	-5.74	-8.92	-6.55	-2.02	-9.54	-6.56	1.90
12	11.64	40.442	-6.94	-9.60	-8.85	-8.45	-9.19	-5.05	-6.77	-9.21	-8.01	-11.09	-8.32	1.62
13	10.67	100.174	-6.65	-8.78	-8.26	-7.85	-9.99	-6.22	-6.71	-8.40	-7.98	-10.60	-8.14	1.34
14	9.85	167.566	-6.18	-7.19	-7.03	-6.78	-9.23	-6.88	-7.35	-6.98	-6.63	-10.33	-7.46	1.23
15	9.14	196.438	-5.46	-6.49	-6.16	-5.96	-7.32	-7.64	-8.38	-6.16	-5.70	-8.97	-6.82	1.13
16	8.53	163.433	-5.51	-5.54	-5.81	-5.80	-5.97	-8.06	-8.27	-5.58	-4.36	-8.87	-6.38	1.40
17	8.00	113.330	-4.70	-4.18	-4.91	-5.09	-5.23	-4.21	-5.19	-4.70	-2.84	-8.62	-4.97	1.39
18	7.53	93.929	1.56	3.45	2.25	2.18	-.55	-.33	-1.19	3.41	4.28	-1.92	1.38	2.02
19	7.11	95.420	5.89	7.74	6.85	6.97	7.64	3.68	4.27	8.37	8.33	4.36	6.41	1.67
20	6.74	83.034	8.54	8.53	9.33	9.83	11.49	9.10	9.33	10.42	9.77	8.93	9.53	.86
21	6.40	60.901	12.28	9.15	12.04	13.18	13.86	13.01	10.89	12.42	10.81	12.90	12.05	1.33
22	6.10	49.536	13.95	11.14	13.44	14.52	17.58	17.57	13.97	13.68	12.82	15.66	14.43	1.92
23	5.82	45.126	16.03	14.27	16.41	17.38	19.87	15.62	17.77	17.27	16.01	20.11	17.07	1.74
24	5.57	42.009	15.65	16.42	17.92	18.36	19.59	16.84	19.72	19.52	17.74	23.07	18.48	2.02
25	5.33	36.532	14.44	16.90	17.35	17.88	20.03	20.82	20.10	19.48	17.68	20.77	18.55	1.94
26	5.12	33.704	16.62	18.42	18.87	19.80	21.47	18.79	21.28	21.71	19.85	22.59	19.94	1.74
27	4.92	24.246	18.63	19.62	19.88	21.08	24.47	21.62	22.60	23.15	21.75	23.61	21.64	1.78
28	4.74	18.328	19.60	22.99	22.78	23.48	23.94	24.78	9999.99	28.25	25.79	26.43	24.23	2.34
29	4.57	14.480	22.76	24.11	23.39	25.29	9999.99	24.71	9999.99	29.86	27.37	28.36	25.73	2.37
30	4.41	12.354	22.21	22.71	23.28	25.74	9999.99	26.72	9999.99	33.90	25.20	28.12	25.98	3.55
31	4.27	8.312	21.28	21.60	26.82	28.84	9999.99	24.69	9999.99	35.15	23.82	31.69	26.73	4.59

Table A.2 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 04:00 HOURS Hmo=1.10 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² *2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	3.406	-40.68	-31.83	-32.42	-34.76	-20.23	-22.07	-30.87	-31.93	8.14	-23.95	-26.24	12.82
3	64.00	6.460	-32.27	-27.68	-21.89	-24.81	-18.52	-19.80	-23.67	-23.81	12.16	-22.14	-20.40	11.42
4	42.67	6.434	-24.96	-21.00	-15.42	-18.26	-15.29	-16.94	-22.01	-17.42	15.43	-18.27	-15.56	10.68
5	32.00	4.856	-18.04	-14.38	-9.31	-11.78	-9.13	-8.76	-13.65	-11.09	18.16	-11.12	-9.01	9.42
6	25.60	3.726	-14.82	-13.64	-6.46	-8.84	-2.71	-6.94	-6.11	-9.26	16.40	-7.69	-6.06	8.19
7	21.33	3.278	-6.39	-6.53	-1.25	-2.80	-2.57	-6.97	-5.77	-3.23	13.89	-6.21	-2.81	5.88
8	18.29	5.110	-5.71	-4.90	-3.53	-4.31	-11.44	-10.84	-10.04	-4.03	2.87	-9.49	-6.14	4.17
9	16.00	13.460	-5.50	-6.37	-5.82	-5.87	-13.63	-7.91	-7.51	-6.03	-3.93	-11.28	-7.38	2.79
10	14.22	26.153	-4.89	-6.94	-6.15	-5.92	-11.30	-7.10	-7.54	-6.52	-5.91	-10.49	-7.28	1.95
11	12.80	39.737	-4.77	-7.22	-6.62	-6.24	-7.71	-6.50	-7.50	-6.91	-7.20	-9.16	-6.98	1.07
12	11.64	78.403	-5.73	-7.64	-7.66	-7.27	-7.98	-8.35	-7.88	-7.72	-8.39	-9.43	-7.81	.89
13	10.67	137.501	-5.75	-7.61	-7.35	-7.00	-10.11	-8.87	-9.34	-7.53	-7.83	-9.72	-8.11	1.30
14	9.85	165.793	-5.48	-7.40	-7.08	-6.83	-10.41	-7.02	-5.94	-7.48	-7.60	-10.31	-7.55	1.54
15	9.14	174.560	-6.18	-8.02	-7.80	-7.56	-8.79	-7.13	-6.18	-8.17	-7.89	-10.56	-7.83	1.21
16	8.53	140.376	-5.25	-8.35	-7.28	-6.83	-8.74	-7.68	-7.77	-7.86	-8.21	-8.41	-7.64	.96
17	8.00	97.958	-3.92	-7.39	-6.13	-5.65	-7.28	-7.59	-8.41	-6.85	-7.01	-6.35	-6.66	1.18
18	7.53	78.279	1.32	-1.20	-.13	.29	-1.26	-2.43	-4.53	-.22	-.84	-.30	-.93	1.53
19	7.11	85.752	5.98	4.47	5.47	5.88	3.95	3.07	3.24	5.96	4.96	5.56	4.85	1.06
20	6.74	85.588	7.22	6.76	7.22	7.46	7.85	4.57	8.35	7.75	7.48	9.00	7.37	1.11
21	6.40	69.764	9.24	7.98	9.55	9.97	11.13	8.18	8.99	10.15	8.92	10.54	9.47	.95
22	6.10	51.440	11.67	10.61	12.97	13.74	13.90	12.13	13.58	14.21	11.85	13.01	12.77	1.10
23	5.82	44.116	13.44	11.48	14.58	15.77	15.27	14.01	16.66	15.86	13.18	17.88	14.81	1.77
24	5.57	40.835	13.03	10.81	14.16	15.39	15.75	15.70	18.55	15.38	12.00	19.77	15.05	2.60
25	5.33	31.952	14.54	13.51	16.47	18.13	17.44	19.30	20.83	17.85	14.72	20.64	17.34	2.41
26	5.12	29.249	16.35	15.50	19.10	20.94	18.52	21.09	23.69	21.62	16.91	19.16	19.29	2.45
27	4.92	25.536	15.88	16.03	20.12	21.47	21.77	22.02	28.36	22.62	17.36	20.16	20.58	3.50
28	4.74	19.193	16.55	15.77	19.48	21.11	21.11	22.88	28.68	23.76	17.69	26.59	21.96	4.36
29	4.57	16.483	18.46	21.28	22.40	23.87	28.66	27.52	25.52	30.05	23.01	29.98	25.07	3.73
30	4.41	11.368	20.25	21.76	22.89	24.75	30.41	27.72	26.74	29.77	24.23	32.90	26.14	3.87
31	4.27	8.156	21.17	20.91	24.04	26.58	31.77	29.10	9999.99	29.93	23.82	9999.99	25.91	3.82

Table A.3 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 07:00 HOURS Hmo=1.08 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	4.439	-24.16	-40.42	-28.54	-27.97	-34.86	-29.24	-30.32	-32.61	-2.05	-43.04	-29.40	10.61
3	64.00	7.093	-18.72	-21.99	-17.08	-17.96	-19.42	-19.53	-18.90	-18.82	12.59	-22.40	-16.34	9.73
4	42.67	6.423	-18.93	-19.82	-15.22	-16.68	-16.96	-17.81	-18.39	-17.12	14.13	-19.96	-14.80	9.70
5	32.00	5.048	-11.73	-14.72	-8.66	-9.90	-15.23	-15.67	-18.04	-11.00	17.28	-17.90	-10.66	9.78
6	25.60	3.693	-6.60	-7.61	-1.88	-3.48	-9.11	-9.36	-10.15	-3.90	20.73	-9.78	-4.19	8.73
7	21.33	3.592	-7.31	-4.64	-1.18	-3.27	-8.28	-5.37	-6.97	-2.43	18.96	-9.32	-3.03	7.72
8	18.29	5.565	-4.16	-5.48	-2.76	-3.45	-8.13	-6.79	-10.90	-3.81	10.21	-7.31	-4.27	5.37
9	16.00	13.747	-4.40	-8.37	-6.74	-6.28	-6.10	-5.44	-10.02	-7.58	-4.21	-6.88	-6.60	1.68
10	14.22	25.673	-3.46	-6.19	-4.63	-4.40	-4.95	-6.25	-8.69	-5.31	-2.85	-6.08	-5.28	1.57
11	12.80	54.688	-3.29	-5.17	-4.30	-4.08	-6.01	-5.52	-6.18	-4.63	-3.79	-6.97	-4.99	1.11
12	11.64	127.474	-1.74	-4.47	-3.15	-2.82	-4.92	-7.13	-8.29	-3.65	-3.05	-5.05	-4.43	1.92
13	10.67	189.778	-2.89	-5.74	-4.32	-4.03	-6.22	-8.02	-8.75	-4.94	-3.59	-5.64	-5.42	1.78
14	9.85	221.836	-5.03	-6.83	-6.29	-6.11	-6.98	-7.29	-7.62	-6.68	-4.97	-8.04	-6.58	.96
15	9.14	168.015	-5.09	-6.57	-5.89	-5.76	-7.48	-7.07	-7.53	-6.25	-4.47	-9.04	-6.51	1.26
16	8.53	96.791	-4.23	-5.00	-4.19	-4.27	-6.23	-7.18	-6.92	-4.52	-2.29	-8.74	-5.36	1.79
17	8.00	80.718	-2.97	-2.59	-2.40	-2.59	-3.72	-3.57	-5.34	-2.25	.13	-6.73	-3.20	1.76
18	7.53	70.610	-2.85	-1.95	-2.19	-2.48	-2.07	1.99	-1.46	-1.97	.61	-5.53	-1.79	1.90
19	7.11	60.464	.67	.37	.38	.44	1.93	5.54	2.62	.59	2.48	-.15	1.49	1.63
20	6.74	57.959	4.68	3.56	4.17	4.48	5.14	9.30	10.32	4.38	4.62	4.41	5.50	2.20
21	6.40	54.323	7.05	5.98	7.20	7.51	9.00	10.86	15.22	7.54	7.01	8.50	8.58	2.55
22	6.10	44.113	10.26	7.84	9.89	10.60	10.53	10.59	15.37	10.10	9.29	11.47	10.59	1.84
23	5.82	33.795	12.23	7.25	10.71	12.11	10.39	10.48	15.74	10.96	9.58	14.44	11.39	2.29
24	5.57	23.909	13.57	7.99	12.75	15.19	12.58	13.04	19.04	15.52	10.51	19.96	14.01	3.43
25	5.33	22.595	13.26	12.25	14.66	16.36	15.74	14.93	18.52	18.86	14.71	19.26	15.85	2.26
26	5.12	21.913	13.37	12.87	14.30	15.53	16.49	18.23	16.85	18.48	16.09	9999.99	15.80	1.87
27	4.92	17.488	16.89	12.25	15.06	17.13	20.68	20.66	9999.99	20.92	15.54	9999.99	17.39	2.95
28	4.74	14.201	16.71	11.81	17.05	18.87	23.75	19.91	9999.99	9999.99	14.41	9999.99	17.50	3.58
29	4.57	11.400	15.35	10.55	16.21	17.96	26.66	20.90	9999.99	9999.99	13.41	9999.99	17.29	4.88
30	4.41	7.971	16.28	13.86	18.06	19.63	26.37	20.89	9999.99	9999.99	16.99	9999.99	18.87	3.72
31	4.27	5.878	17.40	19.90	20.61	20.77	9999.99	26.06	9999.99	9999.99	22.05	9999.99	21.13	2.61

Table A.4 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 13:00 HOURS Hmo= .84 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm*2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	2.193	-45.10	-31.62	-22.49	-28.87	-27.86	-20.92	-13.45	-26.63	22.51	-25.97	-22.42	16.74
3	64.00	4.582	-31.88	-26.23	-18.44	-22.19	-20.36	-19.05	-18.15	-21.47	11.47	-20.08	-18.76	10.80
4	42.67	4.987	-26.82	-22.26	-15.95	-19.15	-17.80	-16.47	-18.42	-18.45	11.78	-18.20	-16.28	9.79
5	32.00	3.636	-19.73	-14.77	-10.40	-13.29	-11.95	-10.25	-13.72	-12.30	17.78	-13.38	-10.31	9.67
6	25.60	2.505	-12.46	-10.80	-4.46	-6.89	-3.26	-7.60	-14.79	-7.14	23.40	-6.64	-5.17	10.06
7	21.33	2.457	-7.93	-9.96	-3.18	-4.82	-4.60	-2.26	-7.37	-6.05	17.12	-5.02	-3.45	7.18
8	18.29	4.193	-7.85	-9.03	-4.41	-5.47	-7.71	-2.00	-4.41	-6.64	7.75	-6.96	-4.68	4.58
9	16.00	7.852	-6.73	-6.78	-4.62	-5.26	-7.73	-8.28	-9.82	-5.77	3.38	-9.16	-6.08	3.53
10	14.22	12.456	-3.31	-4.15	-2.72	-2.93	-6.21	-9.65	-10.14	-3.39	1.31	-6.53	-4.77	3.27
11	12.80	19.701	-2.66	-5.71	-3.77	-3.53	-7.00	-8.98	-7.78	-4.61	-3.08	-6.46	-5.36	2.05
12	11.64	57.623	-7.12	-9.12	-8.32	-8.18	-8.80	-6.87	-6.97	-8.84	-7.32	-11.17	-8.27	1.25
13	10.67	114.409	-5.88	-7.46	-6.84	-6.76	-8.00	-6.80	-7.40	-7.26	-5.74	-10.26	-7.24	1.20
14	9.85	123.656	-3.24	-5.10	-4.28	-4.14	-5.93	-8.76	-9.30	-4.71	-3.47	-7.26	-5.62	2.04
15	9.14	117.017	-4.24	-6.00	-5.66	-5.45	-6.44	-8.81	-10.98	-6.01	-4.77	-7.68	-6.60	1.93
16	8.53	97.931	-4.21	-6.22	-5.76	-5.55	-6.70	-7.85	-9.38	-6.19	-4.89	-7.56	-6.43	1.44
17	8.00	68.181	-2.30	-5.33	-4.22	-3.85	-4.32	-5.39	-4.30	-4.87	-3.93	-4.65	-4.32	.84
18	7.53	51.802	-1.76	-5.02	-3.42	-3.05	-3.19	-1.01	-2.10	-4.34	-3.73	-4.75	-3.24	1.24
19	7.11	38.084	1.30	-2.01	.04	.63	-.35	-1.79	-1.73	-.52	-.24	-.40	-.51	1.02
20	6.74	31.287	5.90	1.03	4.05	5.17	2.98	.82	1.52	3.76	3.80	6.79	3.58	1.93
21	6.40	27.642	9.92	5.16	8.12	9.45	6.24	10.19	7.07	8.28	8.68	13.35	8.65	2.18
22	6.10	25.746	10.64	8.69	10.36	11.50	7.18	13.00	13.53	11.55	11.55	14.16	11.22	2.03
23	5.82	18.754	12.04	11.37	13.11	14.76	11.12	14.30	19.38	15.36	13.78	16.59	14.18	2.40
24	5.57	12.851	11.63	12.42	13.10	16.27	17.21	16.08	22.59	21.15	15.40	18.17	16.40	3.40
25	5.33	10.601	11.46	9.80	10.42	12.69	14.42	18.27	25.43	18.21	12.85	17.55	15.10	4.55
26	5.12	9.969	13.08	12.28	13.65	15.21	15.76	20.30	25.58	18.11	13.98	9999.99	16.43	4.02
27	4.92	8.498	13.94	11.05	15.15	17.01	16.77	20.78	28.87	17.30	12.06	9999.99	16.98	5.03
28	4.74	5.709	13.85	12.77	16.24	17.89	9999.99	19.42	30.70	20.63	13.79	9999.99	18.15	5.43
29	4.57	4.146	13.35	16.65	20.27	21.99	9999.99	22.62	32.25	24.48	17.68	9999.99	21.16	5.37
30	4.41	3.180	13.04	19.25	22.35	25.31	9999.99	30.72	9999.99	27.03	19.88	9999.99	22.51	5.38
31	4.27	2.360	16.56	19.04	24.21	27.71	9999.99	31.08	9999.99	9999.99	19.47	9999.99	23.01	5.14

Table A.5 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 16:00 HOURS Hmo= .82 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.478	-34.88	-20.72	-23.01	-27.28	-13.56	-9.78	-22.90	-21.80	20.49	-17.59	-17.34	14.15
3	64.00	3.424	-26.54	-15.35	-11.88	-15.73	-12.78	-15.37	-24.04	-13.03	19.32	-12.76	-12.96	11.70
4	42.67	4.052	-21.68	-15.87	-10.55	-13.32	-15.22	-13.20	-18.77	-12.39	16.85	-15.73	-12.10	10.08
5	32.00	3.259	-16.10	-12.24	-6.71	-9.09	-10.60	-12.21	-15.74	-8.70	22.74	-11.97	-8.20	10.64
6	25.60	2.127	-11.42	-8.36	-3.01	-5.31	-5.61	-9.49	-10.99	-5.05	24.57	-6.72	-4.25	9.91
7	21.33	1.909	-6.96	-4.46	.98	-1.40	-.96	-3.52	-3.71	-1.12	20.88	-3.11	-.39	7.38
8	18.29	2.745	-6.20	-3.52	-1.23	-2.90	-7.34	-6.46	-6.03	-2.29	12.96	-11.18	-3.44	6.12
9	16.00	6.015	-5.33	-4.64	-3.70	-4.36	-9.97	-8.63	-10.64	-4.36	1.95	-11.07	-6.08	3.82
10	14.22	12.800	-4.32	-5.25	-4.73	-4.73	-7.65	-7.58	-8.64	-5.14	-3.57	-10.36	-6.20	2.10
11	12.80	15.536	-6.27	-7.64	-6.78	-6.77	-8.54	-7.21	-7.90	-7.27	-5.61	-11.24	-7.52	1.47
12	11.64	27.545	-11.24	-12.54	-12.90	-12.75	-12.05	-8.91	-9.47	-13.18	-12.73	-16.25	-12.20	1.94
13	10.67	73.529	-10.87	-13.46	-13.22	-12.90	-10.27	-11.44	-10.92	-13.91	-13.98	-14.29	-12.53	1.42
14	9.85	118.982	-7.01	-10.37	-9.14	-8.80	-8.75	-10.43	-9.96	-10.16	-10.26	-10.10	-9.50	1.03
15	9.14	113.258	-3.87	-5.99	-4.96	-4.71	-8.44	-9.59	-9.84	-5.40	-5.53	-8.41	-6.67	2.07
16	8.53	106.647	-3.89	-6.34	-5.10	-4.78	-7.61	-8.09	-11.23	-5.50	-5.50	-8.62	-6.66	2.10
17	8.00	79.925	-4.02	-6.42	-5.45	-5.16	-5.92	-5.46	-10.42	-5.89	-4.94	-7.32	-6.10	1.67
18	7.53	56.331	-2.10	-2.77	-2.81	-2.69	-4.51	-4.09	-10.04	-2.69	-1.83	-4.99	-3.85	2.29
19	7.11	47.582	-1.67	-1.78	-1.68	-1.75	-5.32	-1.83	-4.87	-1.54	-.71	-6.55	-2.77	1.90
20	6.74	41.117	-.27	1.16	.25	.20	-2.98	-.87	.80	1.18	2.06	-6.14	-.46	2.30
21	6.40	29.649	1.23	1.70	1.23	1.53	-.03	3.60	7.77	2.28	2.63	.27	2.22	2.11
22	6.10	20.500	3.63	3.50	4.88	5.97	4.52	5.42	11.00	7.08	4.60	8.89	5.95	2.28
23	5.82	18.070	6.35	6.35	8.38	10.22	10.32	7.47	12.69	12.12	7.59	12.60	9.41	2.38
24	5.57	14.908	7.67	8.05	9.47	11.68	14.20	9.63	14.21	14.30	9.57	9999.99	10.97	2.54
25	5.33	12.754	8.01	8.76	9.51	12.21	14.97	11.84	19.40	15.92	10.39	9999.99	12.33	3.55
26	5.12	10.200	11.27	12.44	12.33	16.00	14.50	19.18	25.12	19.85	13.31	9999.99	16.00	4.29
27	4.92	8.850	11.72	11.92	12.85	16.88	18.89	20.15	9999.99	20.75	12.86	9999.99	15.75	3.59
28	4.74	6.936	10.82	9.11	14.32	17.51	22.47	20.42	9999.99	19.30	10.18	9999.99	15.52	4.79
29	4.57	4.801	10.44	9.41	15.16	17.11	26.51	22.12	9999.99	20.31	10.76	9999.99	16.47	5.79
30	4.41	3.651	11.85	12.78	18.17	18.77	9999.99	22.16	9999.99	20.68	14.19	9999.99	16.94	3.72
31	4.27	2.558	13.53	13.58	20.62	19.89	9999.99	9999.99	9999.99	21.56	15.12	9999.99	17.38	3.38

Table A.6 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 19:00 HOURS Hmo= .84 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.594	-13.08	-27.40	-1.81	-4.63	-24.53	-29.81	-20.81	-11.06	14.21	-22.93	-14.28	13.07
3	64.00	2.386	-16.94	-20.80	-4.76	-7.90	-8.60	-17.14	-16.61	-10.39	17.88	-9.19	-9.54	10.34
4	42.67	2.430	-15.39	-11.92	-2.10	-5.49	-5.75	-14.49	-17.05	-5.48	26.43	-6.05	-5.88	11.77
5	32.00	2.612	-13.47	-14.19	-4.99	-7.28	-9.63	-16.48	-19.61	-8.41	24.33	-10.96	-8.23	11.58
6	25.60	2.525	-9.07	-9.75	-2.07	-4.10	-3.70	-14.02	-15.69	-5.00	23.77	-5.83	-4.65	10.35
7	21.33	2.073	-4.28	-5.02	1.01	-.67	-1.38	-7.82	-10.20	-1.30	20.19	-2.86	-1.28	7.84
8	18.29	2.901	-5.47	-7.65	-3.59	-4.33	-5.47	-6.33	-10.69	-5.35	9.04	-6.90	-4.69	4.94
9	16.00	6.039	-7.03	-7.84	-5.59	-6.15	-7.65	-7.69	-9.19	-6.76	.87	-9.12	-6.62	2.72
10	14.22	11.117	-5.41	-7.49	-5.48	-5.60	-8.21	-4.17	-5.79	-6.39	-1.90	-9.42	-5.99	2.00
11	12.80	19.395	-4.40	-6.37	-5.15	-5.05	-8.46	-4.26	-5.72	-5.66	-3.14	-9.37	-5.76	1.81
12	11.64	38.531	-6.76	-8.32	-7.85	-7.68	-10.17	-8.79	-10.98	-8.10	-6.99	-11.95	-8.76	1.64
13	10.67	86.662	-7.04	-9.41	-8.82	-8.51	-10.63	-10.08	-11.91	-9.21	-8.65	-11.79	-9.61	1.45
14	9.85	129.962	-6.54	-10.08	-8.65	-8.26	-8.80	-9.29	-11.94	-9.44	-8.15	-9.88	-9.10	1.35
15	9.14	118.196	-6.74	-9.80	-8.59	-8.27	-9.02	-7.30	-11.52	-9.33	-8.05	-10.39	-8.90	1.36
16	8.53	97.537	-5.13	-6.85	-6.22	-6.00	-10.78	-7.50	-12.11	-6.58	-5.09	-10.19	-7.65	2.36
17	8.00	79.002	-2.54	-4.17	-3.34	-3.06	-9.67	-6.83	-13.04	-3.60	-3.19	-7.64	-5.71	3.32
18	7.53	61.712	-2.63	-6.39	-4.20	-3.74	-8.13	-5.49	-11.07	-5.21	-5.22	-7.18	-5.93	2.30
19	7.11	46.525	-1.84	-5.12	-3.29	-2.84	-6.07	-3.83	-6.78	-3.84	-3.80	-4.50	-4.19	1.41
20	6.74	35.763	-2.99	-4.29	-3.98	-3.96	-5.18	-2.82	-5.96	-4.29	-2.63	-6.64	-4.27	1.26
21	6.40	31.429	-3.62	-2.35	-3.31	-3.92	-4.25	-.62	-1.38	-2.97	-.27	-11.75	-3.44	3.06
22	6.10	27.519	-.56	1.05	.37	.14	.96	1.37	5.29	1.88	2.75	9999.99	1.47	1.63
23	5.82	23.005	1.29	2.57	2.61	2.92	2.23	4.57	12.14	6.17	4.04	9999.99	4.28	3.09
24	5.57	15.917	2.70	1.93	4.31	5.71	8.22	8.18	19.00	9999.99	4.41	9999.99	6.80	5.08
25	5.33	11.953	3.24	-.80	3.62	9.37	9999.99	13.20	17.43	9999.99	2.62	9999.99	6.95	6.07
26	5.12	12.400	5.05	2.10	6.61	12.34	9999.99	20.72	14.87	9999.99	5.11	9999.99	9.54	6.15
27	4.92	9.409	4.90	6.43	10.84	15.91	9999.99	25.11	9999.99	9999.99	8.51	9999.99	11.94	6.86
28	4.74	6.763	4.17	7.89	10.83	15.97	9999.99	9999.99	9999.99	9999.99	9.90	9999.99	9.75	3.86
29	4.57	5.204	5.35	8.70	9.47	13.98	9999.99	9999.99	9999.99	9999.99	9.85	9999.99	9.47	2.76
30	4.41	3.524	7.60	6.11	16.13	19.86	9999.99	9999.99	9999.99	9999.99	6.85	9999.99	11.30	5.60
31	4.27	2.391	10.11	11.12	21.75	22.47	9999.99	9999.99	9999.99	9999.99	12.36	9999.99	15.56	5.40

Table A.7 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 01/02/94 22:00 HOURS Hmo= .75 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.987	-23.43	-21.12	-14.54	-17.43	-11.74	-13.92	-21.03	-16.39	20.66	-21.30	-14.23	12.11
3	64.00	1.701	-22.50	-18.35	-15.56	-17.64	-11.47	-16.88	-18.07	-15.85	15.25	-13.43	-13.56	9.97
4	42.67	1.956	-20.12	-13.89	-10.75	-13.38	-9.69	-11.72	-14.04	-11.44	20.95	-11.39	-9.68	10.53
5	32.00	1.899	-12.52	-8.61	-4.09	-6.60	-5.95	-5.49	-9.87	-5.57	25.83	-6.18	-4.03	10.19
6	25.60	1.909	-4.95	-7.09	1.56	-.10	-.03	-10.00	-11.43	-1.43	25.94	.78	-.76	9.89
7	21.33	2.007	-4.46	-5.91	1.36	-.01	.95	-10.04	-11.65	-1.41	22.32	-.83	-1.02	8.87
8	18.29	2.429	-9.46	-7.62	-4.67	-6.11	-6.77	-6.44	-12.05	-6.23	12.09	-10.73	-5.83	6.35
9	16.00	4.098	-10.76	-10.48	-8.62	-9.46	-6.98	-4.74	-10.53	-9.88	.21	-12.11	-8.34	3.48
10	14.22	8.178	-7.96	-8.51	-7.44	-7.78	-6.26	-5.29	-7.69	-8.10	-1.86	-10.02	-7.09	2.11
11	12.80	12.558	-6.71	-7.81	-7.54	-7.48	-8.57	-8.07	-6.40	-7.72	-3.86	-10.81	-7.50	1.66
12	11.64	28.919	-7.60	-9.78	-8.72	-8.53	-9.67	-10.84	-9.26	-9.15	-7.81	-11.17	-9.25	1.11
13	10.67	67.105	-5.97	-8.99	-7.06	-6.84	-8.35	-10.18	-9.04	-7.85	-5.99	-9.20	-7.94	1.37
14	9.85	97.072	-5.61	-8.28	-6.74	-6.56	-6.96	-9.01	-8.01	-7.47	-5.06	-8.85	-7.25	1.25
15	9.14	101.188	-4.68	-6.24	-5.11	-5.07	-7.84	-8.28	-7.59	-5.60	-3.74	-9.05	-6.32	1.68
16	8.53	83.469	-3.54	-4.94	-3.71	-3.68	-7.75	-5.20	-5.22	-4.09	-2.21	-7.34	-4.77	1.64
17	8.00	65.463	-4.64	-6.10	-5.39	-5.33	-5.94	-3.09	-1.76	-5.87	-3.46	-6.91	-4.85	1.52
18	7.53	52.642	-5.65	-7.25	-6.08	-6.13	-6.39	-5.30	-3.22	-6.79	-3.39	-9.10	-5.93	1.64
19	7.11	33.238	-5.02	-6.10	-4.36	-4.31	-7.59	-6.37	-3.41	-4.54	-1.92	-10.74	-5.43	2.32
20	6.74	26.843	-3.89	-4.94	-3.53	-3.48	-3.42	-3.91	-7.27	-3.47	-1.09	-4.61	-3.96	1.47
21	6.40	23.767	-1.09	-2.08	-.40	.07	-1.74	1.07	-6.42	.55	1.27	9999.99	-.97	2.22
22	6.10	20.266	-.31	-.40	.75	1.55	-2.95	.17	.48	2.68	2.98	9999.99	.55	1.68
23	5.82	16.008	-.66	1.63	1.20	1.90	1.22	.31	9999.99	5.96	4.12	9999.99	1.96	1.98
24	5.57	12.026	2.69	1.97	3.50	5.81	7.80	10.22	9999.99	7.79	4.86	9999.99	5.58	2.68
25	5.33	10.183	5.16	3.25	6.52	9.19	13.14	16.36	9999.99	11.35	6.93	9999.99	8.98	4.11
26	5.12	9.744	2.49	5.42	9.52	11.78	13.93	17.47	9999.99	17.74	9.30	9999.99	10.96	5.06
27	4.92	7.906	4.56	5.58	14.33	18.36	9999.99	9999.99	9999.99	24.38	8.80	9999.99	12.66	7.11
28	4.74	5.089	5.80	5.87	9.71	9999.99	9999.99	9999.99	9999.99	28.07	6.86	9999.99	11.22	8.52
29	4.57	3.761	5.83	7.65	10.12	9999.99	9999.99	9999.99	9999.99	23.58	9.47	9999.99	11.31	6.30
30	4.41	2.638	8.81	8.20	18.75	9999.99	9999.99	9999.99	9999.99	22.24	12.42	9999.99	14.08	5.54
31	4.27	1.546	11.82	13.38	23.91	9999.99	9999.99	9999.99	9999.99	23.54	16.66	9999.99	17.86	5.04

Table A.8 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 01:00 HOURS Hmo= .71 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN= .5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.004	-23.79	-25.55	-20.84	-21.98	-5.72	-22.68	-17.87	-22.58	8.14	-18.47	-17.22	9.92
3	64.00	1.807	-13.95	-16.31	-14.28	-14.33	-12.63	-23.50	-19.48	-14.92	14.56	-15.31	-13.11	9.68
4	42.67	2.111	-15.16	-12.62	-10.20	-11.60	-12.55	-14.49	-17.01	-11.08	17.13	-13.47	-10.20	9.28
5	32.00	1.889	-20.62	-13.48	-9.31	-12.31	-15.93	-8.03	-14.02	-11.00	21.19	-17.89	-10.29	11.05
6	25.60	1.558	-21.40	-13.07	-9.70	-13.08	-14.08	-13.27	-16.02	-11.40	20.40	-17.74	-11.08	10.91
7	21.33	1.459	-16.63	-9.68	-7.09	-9.97	-8.92	-17.63	-21.81	-8.31	17.12	-12.04	-9.58	9.96
8	18.29	1.825	-10.49	-7.83	-5.47	-6.86	-9.40	-13.66	-15.18	-6.29	13.21	-12.30	-7.47	7.53
9	16.00	2.963	-8.59	-8.12	-5.31	-6.22	-10.12	-10.55	-11.47	-6.39	7.56	-10.21	-6.96	5.22
10	14.22	7.002	-8.07	-7.27	-5.73	-6.42	-10.74	-8.90	-8.75	-6.27	1.29	-10.39	-7.13	3.23
11	12.80	14.110	-7.81	-8.52	-7.08	-7.35	-7.59	-10.47	-10.65	-7.74	-2.29	-8.86	-7.84	2.19
12	11.64	28.701	-6.42	-8.45	-7.28	-7.08	-8.08	-10.45	-12.02	-7.84	-5.63	-8.59	-8.18	1.78
13	10.67	68.858	-5.09	-6.57	-6.07	-5.86	-9.00	-10.24	-12.21	-6.32	-5.80	-8.76	-7.59	2.22
14	9.85	107.258	-5.00	-4.95	-4.93	-5.00	-8.97	-8.97	-11.35	-4.94	-3.05	-9.24	-6.64	2.58
15	9.14	82.317	-3.77	-5.15	-4.15	-4.11	-6.65	-6.37	-8.25	-4.58	-2.39	-6.45	-5.19	1.64
16	8.53	65.526	-2.65	-5.77	-3.95	-3.64	-3.40	-4.65	-5.19	-4.73	-2.74	-3.90	-4.06	.97
17	8.00	49.016	-4.30	-5.51	-4.69	-4.65	-4.39	-4.97	-4.82	-4.98	-2.60	-6.95	-4.79	1.02
18	7.53	36.887	-5.41	-4.72	-4.97	-5.10	-6.20	-7.18	-5.11	-4.45	-2.58	-7.61	-5.33	1.35
19	7.11	28.513	-5.15	-5.35	-5.06	-5.05	-4.26	-7.09	-7.39	-4.75	-2.19	-4.35	-5.06	1.38
20	6.74	17.834	-3.11	-5.93	-4.27	-3.79	-4.54	-4.00	-7.12	-4.39	-2.02	-2.88	-4.20	1.40
21	6.40	14.530	-1.36	-4.72	-1.98	-1.00	-4.63	-3.68	9999.99	-1.09	-1.05	9999.99	-2.44	1.53
22	6.10	11.124	-2.72	-4.47	-2.31	-1.35	-1.35	-5.51	9999.99	-.11	-.71	9999.99	-2.32	1.74
23	5.82	10.274	-2.37	-2.37	-1.32	-.69	-1.94	-.86	9999.99	9999.99	.86	9999.99	-1.24	1.07
24	5.57	8.051	-1.72	-2.51	-.75	1.26	9999.99	7.76	9999.99	9999.99	1.25	9999.99	.88	3.38
25	5.33	6.695	-.46	-2.22	-1.47	.50	9999.99	14.70	9999.99	9999.99	.58	9999.99	1.92	5.79
26	5.12	6.904	4.70	.02	2.01	5.22	9999.99	19.24	9999.99	9999.99	1.44	9999.99	5.42	6.43
27	4.92	6.386	8.24	7.34	9.77	9999.99	9999.99	18.63	9999.99	9999.99	7.21	9999.99	10.23	4.29
28	4.74	5.591	11.64	16.68	20.98	9999.99	9999.99	20.26	9999.99	9999.99	17.00	9999.99	17.31	3.31
29	4.57	5.043	16.46	16.66	27.73	9999.99	9999.99	29.21	9999.99	9999.99	19.59	9999.99	21.92	5.47
30	4.41	4.479	22.68	23.82	34.87	9999.99	9999.99	36.71	9999.99	9999.99	27.53	9999.99	29.12	5.71
31	4.27	4.201	28.16	33.78	39.59	9999.99	9999.99	40.29	9999.99	9999.99	37.54	9999.99	35.88	4.47

Table A.9 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 04:00 HOURS Hmo= .91 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.303	-32.10	-39.47	-32.42	-33.27	-11.45	-17.91	-26.12	-35.50	11.28	-18.74	-23.76	14.37
3	64.00	2.355	-22.13	-16.12	-14.34	-16.91	-13.76	-16.55	-15.77	-14.77	17.63	-12.14	-12.62	10.34
4	42.67	2.213	-20.00	-19.62	-13.77	-15.84	-13.59	-15.34	-16.30	-15.87	15.26	-13.77	-12.99	9.62
5	32.00	1.784	-15.83	-11.58	-6.79	-9.71	-8.87	-14.90	-16.39	-8.64	22.99	-10.36	-8.15	10.79
6	25.60	1.404	-9.28	-4.88	-.64	-3.31	-7.15	-7.09	-13.33	-1.99	26.67	-8.22	-3.05	10.48
7	21.33	1.399	-11.66	-7.03	-5.18	-7.81	-10.60	-.64	-10.04	-6.28	19.55	-15.47	-5.59	9.18
8	18.29	2.178	-9.27	-8.79	-7.05	-8.28	-6.49	-6.66	-11.85	-8.42	7.40	-11.35	-7.09	5.12
9	16.00	3.203	-6.30	-11.20	-10.03	-9.50	-4.07	-10.03	-8.59	-11.32	-2.94	-8.73	-8.27	2.75
10	14.22	5.480	-6.12	-12.21	-10.37	-9.55	-7.82	-10.13	-7.35	-11.49	-8.28	-10.10	-9.34	1.82
11	12.80	10.441	-5.24	-9.84	-7.84	-7.32	-9.49	-10.10	-8.35	-8.81	-8.13	-8.88	-8.40	1.35
12	11.64	21.476	-6.21	-7.89	-7.73	-7.45	-10.13	-10.54	-8.85	-7.93	-8.13	-10.08	-8.49	1.31
13	10.67	61.905	-7.12	-8.69	-8.87	-8.50	-13.10	-11.87	-11.66	-8.90	-9.36	-12.60	-10.07	1.94
14	9.85	131.924	-6.99	-9.21	-8.59	-8.25	-12.93	-11.65	-11.92	-8.92	-9.10	-12.14	-9.97	1.90
15	9.14	125.030	-6.43	-8.69	-7.58	-7.37	-10.77	-10.63	-11.07	-8.10	-7.46	-11.24	-8.93	1.72
16	8.53	73.514	-5.36	-7.87	-6.80	-6.50	-6.98	-7.91	-9.72	-7.38	-6.75	-10.13	-7.74	1.43
17	8.00	58.121	-4.08	-5.94	-5.59	-5.32	-6.38	-7.15	-7.30	-5.95	-4.96	-7.74	-6.04	1.08
18	7.53	44.022	-3.90	-4.20	-4.29	-4.24	-5.83	-7.87	-7.98	-4.21	-2.69	-6.03	-5.12	1.66
19	7.11	24.993	-3.35	-4.84	-3.03	-2.61	-5.17	-8.66	-9.52	-2.58	-2.77	-5.61	-4.81	2.39
20	6.74	19.190	-.19	-2.12	-.53	-.38	-3.61	-6.13	-.04	-.49	-.14	-2.03	-1.38	2.02
21	6.40	16.235	1.00	1.54	1.14	1.93	1.49	-.53	3.04	3.12	3.16	2.74	1.86	1.12
22	6.10	15.680	6.39	5.32	6.74	8.15	13.61	6.86	9999.99	9.12	7.04	16.30	8.83	3.48
23	5.82	16.449	9.04	11.18	10.76	11.67	20.82	13.00	9999.99	15.16	12.93	10.81	12.82	3.27
24	5.57	17.310	15.88	17.49	18.89	21.04	24.15	22.25	9999.99	24.14	18.89	16.93	19.96	2.90
25	5.33	26.299	22.05	21.41	23.15	24.91	26.93	27.23	9999.99	25.39	23.22	32.63	25.21	3.24
26	5.12	47.552	27.03	28.93	29.10	29.96	28.96	27.03	9999.99	31.87	30.46	38.44	30.20	3.25
27	4.92	63.392	31.01	33.63	34.07	34.74	31.81	31.01	9999.99	35.72	34.90	35.85	33.64	1.81
28	4.74	58.110	31.43	34.48	34.46	35.13	35.22	36.55	9999.99	35.94	35.71	36.24	35.02	1.44
29	4.57	44.219	34.68	35.46	37.05	37.89	37.44	36.84	9999.99	38.83	37.35	40.43	37.33	1.60
30	4.41	32.076	37.14	35.40	39.36	40.79	39.72	37.81	9999.99	41.39	38.13	41.43	39.02	1.95
31	4.27	31.392	35.89	37.38	39.59	40.10	41.72	38.01	9999.99	41.59	39.98	42.44	39.63	2.06

Table A.10 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 07:00 HOURS Hmo=1.22 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.262	-11.68	-17.98	8.72	3.27	7.04	-6.05	-14.37	-1.81	9.02	-15.52	-3.94	10.05
3	64.00	2.012	-2.33	-.70	5.88	3.44	7.82	-2.02	-5.82	3.63	28.31	-1.12	3.64	9.11
4	42.67	2.351	-5.20	1.11	4.01	1.36	8.07	-.43	-2.07	3.00	30.91	-.05	3.98	9.56
5	32.00	2.220	-8.53	-2.43	2.25	-.97	2.12	-1.11	-3.93	.11	30.31	-3.82	1.28	10.10
6	25.60	1.759	-3.71	-3.54	3.14	.83	-.53	.65	-1.62	.51	27.01	-2.86	1.91	8.59
7	21.33	1.663	-2.06	-1.71	2.61	.44	.54	1.53	4.49	1.42	23.46	-.89	2.94	7.08
8	18.29	2.367	-2.36	1.74	3.72	1.41	-1.31	-1.19	-1.33	3.11	20.43	-2.43	2.15	6.44
9	16.00	2.806	3.12	2.26	4.05	3.34	-4.82	-3.66	-4.75	3.05	14.90	-2.75	1.46	5.65
10	14.22	4.387	2.13	-1.51	.06	-.16	-4.26	-7.86	-10.48	-1.58	4.98	-3.88	-2.25	4.34
11	12.80	8.049	-.35	-4.20	-2.77	-2.80	-9.16	-10.25	-14.21	-4.27	-.90	-5.85	-5.47	4.21
12	11.64	18.766	-6.91	-8.25	-8.97	-8.75	-10.94	-9.82	-12.78	-9.13	-7.64	-9.64	-9.28	1.59
13	10.67	61.424	-8.36	-9.68	-9.72	-9.50	-11.38	-9.51	-9.84	-9.82	-9.30	-12.04	-9.91	1.00
14	9.85	114.578	-9.05	-9.78	-10.05	-9.95	-12.86	-10.20	-9.78	-10.09	-8.98	-13.90	-10.46	1.53
15	9.14	116.105	-8.66	-10.01	-10.01	-9.89	-11.26	-9.87	-10.34	-10.29	-8.65	-12.15	-10.11	1.00
16	8.53	75.044	-7.37	-8.78	-8.52	-8.45	-8.50	-6.84	-9.81	-8.89	-7.47	-10.55	-8.52	1.06
17	8.00	58.326	-4.99	-6.28	-6.24	-6.14	-7.87	-5.89	-9.18	-6.52	-4.75	-9.72	-6.76	1.57
18	7.53	43.153	-2.48	-5.00	-3.69	-3.29	-7.42	-8.45	-10.09	-3.99	-3.27	-7.25	-5.49	2.48
19	7.11	47.797	-.79	-3.63	-2.13	-1.67	-2.27	-7.65	-9.36	-2.58	-1.75	-3.63	-3.54	2.64
20	6.74	48.943	1.34	-.85	.12	.55	3.54	-1.95	1.74	-.05	1.12	1.93	-.75	1.47
21	6.40	56.264	8.10	7.43	7.74	8.34	8.20	5.72	9.44	8.72	8.79	9.48	8.20	1.04
22	6.10	82.394	15.67	13.64	14.84	15.76	12.91	13.22	13.42	15.44	14.71	13.24	14.28	1.06
23	5.82	123.724	19.17	16.92	18.96	19.67	16.58	16.76	17.13	18.97	17.99	14.82	17.70	1.44
24	5.57	163.574	21.21	20.09	22.41	22.57	19.49	19.09	19.95	22.20	21.31	18.26	20.66	1.42
25	5.33	182.440	21.29	21.74	22.88	22.69	22.82	23.22	23.07	22.81	23.06	20.66	22.42	.83
26	5.12	160.031	23.20	23.90	24.46	24.37	26.26	25.35	24.06	24.23	25.32	25.15	24.63	.84
27	4.92	111.467	26.48	28.22	28.63	28.86	27.39	26.76	26.15	29.01	29.92	29.10	28.05	1.21
28	4.74	85.557	29.11	33.47	32.30	32.63	27.87	30.22	31.32	35.22	35.49	9999.99	31.96	2.45
29	4.57	82.776	26.99	32.66	31.92	31.61	29.83	31.42	9999.99	35.02	35.29	9999.99	31.84	2.51
30	4.41	57.710	26.73	27.57	31.75	32.00	30.81	32.84	9999.99	33.96	30.41	9999.99	30.76	2.33
31	4.27	35.561	27.41	28.70	31.34	32.42	31.16	34.40	9999.99	9999.99	31.43	9999.99	30.98	2.14

Table A.11 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 10:00 HOURS Hmo=1.50 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.692	24.49	17.34	28.75	25.61	23.49	24.38	31.43	26.68	48.15	18.57	26.85	8.13
3	64.00	2.971	10.27	2.78	12.44	10.72	6.43	9.91	14.33	9.70	31.43	13.24	12.09	7.17
4	42.67	2.835	8.12	2.18	11.88	10.08	10.64	10.83	17.03	8.96	30.80	12.34	12.26	7.11
5	32.00	2.481	3.63	2.24	10.75	8.28	11.03	13.26	15.72	8.30	31.15	12.74	11.68	7.60
6	25.60	2.327	-7.6	3.85	6.54	3.87	4.54	4.56	4.84	5.90	31.08	4.18	6.79	8.28
7	21.33	2.407	2.23	9.83	8.90	6.30	7.77	6.31	3.61	9.97	36.01	5.94	9.60	9.09
8	18.29	2.797	3.31	5.51	6.72	4.99	6.43	5.48	-3.45	6.24	23.10	6.87	6.50	6.24
9	16.00	3.304	1.41	.83	3.16	1.84	3.46	2.37	-3.25	1.76	12.23	2.40	2.62	3.66
10	14.22	4.327	-3.80	-3.87	-2.99	-4.13	.43	.32	-3.92	-4.20	4.16	-5.04	-2.30	2.80
11	12.80	8.774	-7.68	-9.27	-8.60	-8.87	-7.88	-4.29	-9.61	-9.61	-5.10	-14.26	-8.52	2.58
12	11.64	20.890	-6.97	-9.03	-8.30	-8.14	-12.02	-11.26	-11.37	-8.86	-6.54	-13.01	-9.55	2.11
13	10.67	46.384	-7.17	-8.60	-8.23	-8.08	-11.27	-14.00	-14.03	-8.52	-6.87	-12.50	-9.93	2.62
14	9.85	73.700	-7.85	-8.95	-8.74	-8.74	-12.53	-13.54	-14.36	-9.06	-6.83	-13.22	-10.38	2.58
15	9.14	81.973	-9.10	-11.07	-10.52	-10.44	-13.45	-11.87	-13.15	-11.19	-8.82	-13.56	-11.32	1.61
16	8.53	83.670	-7.56	-10.18	-9.15	-8.96	-11.65	-10.85	-10.89	-9.97	-8.31	-12.59	-10.01	1.47
17	8.00	68.258	-5.29	-8.48	-7.36	-7.25	-9.38	-12.14	-9.43	-8.60	-6.37	-8.99	-8.33	1.80
18	7.53	69.334	2.99	1.83	2.77	2.58	-5.30	-3.81	-1.00	2.06	4.13	-1.53	.47	3.03
19	7.11	99.170	11.47	13.50	13.27	13.38	9.79	10.35	13.71	14.86	15.98	13.38	12.97	1.82
20	6.74	139.853	19.60	20.63	20.51	21.04	20.64	18.06	18.64	21.70	22.89	22.06	20.58	1.42
21	6.40	227.877	21.25	21.24	21.33	21.65	22.97	21.42	23.48	21.49	23.39	21.99	22.02	.86
22	6.10	343.037	22.58	23.39	23.62	23.57	24.71	22.64	25.17	23.58	25.53	21.64	23.64	1.15
23	5.82	366.210	23.61	24.63	24.89	24.70	24.82	26.85	28.55	24.81	27.10	21.59	25.15	1.85
24	5.57	302.155	24.37	24.99	26.15	25.84	25.89	28.10	27.57	25.96	27.96	25.63	26.25	1.18
25	5.33	233.735	25.93	28.30	28.70	28.20	29.43	29.36	27.56	29.42	31.16	28.03	28.61	1.32
26	5.12	185.783	26.80	30.90	30.57	30.18	30.39	28.17	31.19	31.75	33.89	28.51	30.23	1.90
27	4.92	146.341	27.37	29.30	30.83	30.89	28.80	25.50	30.57	31.36	32.76	28.42	29.58	2.03
28	4.74	92.954	27.96	28.74	31.25	31.58	30.47	31.75	34.41	31.66	32.30	9999.99	31.12	1.80
29	4.57	59.575	29.83	29.16	32.14	33.59	33.06	35.30	9999.99	33.75	33.07	9999.99	32.49	1.92
30	4.41	44.508	30.13	30.74	34.07	35.99	36.33	31.62	9999.99	38.21	34.97	9999.99	34.01	2.72
31	4.27	33.496	28.26	32.16	32.98	35.59	37.70	9999.99	9999.99	38.40	36.41	9999.99	34.50	3.32

Table A.12 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 13:00 HOURS Hmo=1.55 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	2.687	8.87	7.05	16.82	13.34	4.27	12.46	-3.47	14.42	25.54	7.59	10.69	7.42
3	64.00	4.832	5.67	5.33	13.14	10.63	5.26	15.99	16.26	10.75	34.22	-3.32	11.35	9.45
4	42.67	4.811	9.78	5.57	11.84	10.72	15.00	10.71	10.57	10.35	32.60	4.39	12.11	7.39
5	32.00	4.430	8.89	7.28	11.56	10.55	17.07	9.42	4.96	10.61	30.90	14.33	12.53	6.91
6	25.60	3.332	9.46	10.46	10.96	10.33	11.15	12.78	11.93	11.13	29.28	13.25	13.05	5.51
7	21.33	2.143	16.40	12.25	14.22	14.85	9.24	9.29	10.00	14.64	31.14	9.19	14.10	6.23
8	18.29	2.076	13.65	13.42	16.71	16.30	3.10	-.75	-2.03	17.32	29.79	1.56	10.90	9.62
9	16.00	3.002	2.90	.83	3.74	2.56	-1.53	-2.58	-7.28	2.32	12.78	-2.89	1.08	5.07
10	14.22	6.311	-2.04	-5.74	-3.87	-4.11	-6.23	-5.30	-12.23	-5.60	1.52	-6.03	-4.96	3.30
11	12.80	9.142	-5.17	-7.42	-7.09	-7.16	-8.65	-7.04	-9.28	-8.12	-4.33	-9.30	-7.36	1.55
12	11.64	18.202	-9.15	-9.19	-10.95	-10.94	-9.91	-10.02	-9.03	-10.84	-8.71	-12.57	-10.13	1.14
13	10.67	47.803	-9.52	-9.47	-10.73	-10.63	-13.65	-13.21	-11.68	-10.52	-8.91	-14.86	-11.32	1.89
14	9.85	89.170	-10.01	-9.87	-10.67	-10.65	-13.20	-11.57	-12.03	-10.52	-8.62	-14.49	-11.16	1.63
15	9.14	96.663	-7.50	-9.48	-9.06	-8.78	-9.15	-10.69	-11.88	-9.33	-7.86	-10.56	-9.43	1.25
16	8.53	74.398	-5.04	-7.47	-6.95	-6.57	-3.27	-9.16	-10.01	-7.30	-5.74	-6.96	-6.85	1.83
17	8.00	73.858	-1.64	-2.20	-2.63	-2.55	-.76	-4.74	-2.26	-2.60	-.65	-3.80	-2.38	1.18
18	7.53	110.361	6.29	4.54	5.02	5.34	5.85	3.09	7.69	4.98	5.96	6.03	5.48	1.15
19	7.11	225.095	14.60	13.63	14.54	14.85	14.61	12.57	16.60	15.08	15.02	15.39	14.69	1.00
20	6.74	401.960	20.45	20.45	21.20	21.36	19.48	19.93	20.60	21.66	22.08	20.38	20.76	.76
21	6.40	450.796	23.86	24.36	25.06	25.14	24.23	25.06	25.09	25.51	26.57	24.04	24.89	.77
22	6.10	402.381	26.00	26.48	27.85	27.92	27.14	27.83	29.32	28.37	29.39	27.26	27.75	1.04
23	5.82	261.003	27.53	27.42	29.91	30.28	27.28	30.40	29.79	30.32	30.44	28.35	29.17	1.29
24	5.57	176.829	27.90	28.05	29.93	30.44	29.97	31.16	28.82	30.57	31.04	29.69	29.76	1.10
25	5.33	121.340	26.44	29.94	29.91	29.88	31.00	30.40	31.91	31.71	33.08	32.35	30.66	1.76
26	5.12	92.395	25.48	29.73	28.35	28.51	29.80	31.22	32.52	31.25	32.90	32.68	30.24	2.23
27	4.92	79.767	26.08	29.34	28.40	29.45	28.94	31.25	9999.99	32.51	32.98	30.77	29.97	2.03
28	4.74	67.648	24.94	29.25	28.68	29.55	30.53	31.14	9999.99	33.92	33.24	35.35	30.73	2.97
29	4.57	48.276	24.06	30.03	30.11	30.85	34.19	32.34	9999.99	36.93	34.30	9999.99	31.60	3.62
30	4.41	35.528	24.28	28.26	30.43	30.84	37.37	32.94	9999.99	35.66	32.91	9999.99	31.59	3.87
31	4.27	30.229	25.69	28.91	32.82	34.22	40.07	35.84	9999.99	40.11	34.61	9999.99	34.03	4.67

Table A.13 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 16:00 HOURS Hmo=1.39 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	2.345	-4.40	17.14	12.57	7.36	26.14	-1.28	6.98	15.23	43.49	5.42	12.75	13.25
3	64.00	4.325	2.88	9.52	16.33	12.61	17.41	1.49	4.18	14.74	37.98	14.92	13.15	9.93
4	42.67	4.332	2.52	7.46	14.14	11.13	10.38	3.43	1.90	12.41	36.05	10.56	10.93	9.30
5	32.00	3.604	11.82	11.63	17.25	16.20	9.18	15.93	10.79	16.10	36.43	12.74	15.77	7.35
6	25.60	2.942	18.14	16.12	21.77	21.14	9.16	15.77	8.37	20.58	36.48	19.34	18.67	7.41
7	21.33	2.384	19.79	21.06	24.55	23.61	10.93	7.94	.57	24.55	36.29	22.13	19.16	9.61
8	18.29	2.349	8.95	11.21	10.94	9.68	3.33	7.08	-2.53	11.12	22.30	6.97	8.90	6.03
9	16.00	2.951	3.59	1.66	1.96	1.42	-2.02	-1.77	-4.39	1.35	10.33	-3.22	.89	3.99
10	14.22	3.864	-1.74	-5.84	-4.43	-4.57	-2.53	-4.92	-4.09	-5.95	.91	-7.41	-4.06	2.27
11	12.80	6.934	-4.93	-6.33	-6.19	-6.47	-6.12	-8.78	-8.14	-6.84	-4.33	-9.67	-6.78	1.57
12	11.64	21.082	-8.27	-9.83	-10.19	-10.02	-9.26	-8.35	-7.68	-10.22	-11.01	-13.15	-9.80	1.49
13	10.67	59.135	-7.81	-8.93	-9.59	-9.29	-11.12	-8.44	-7.06	-9.48	-9.54	-13.68	-9.49	1.74
14	9.85	93.747	-7.19	-9.07	-9.47	-9.03	-11.70	-10.48	-8.73	-9.56	-9.29	-13.42	-9.79	1.63
15	9.14	97.146	-4.17	-6.85	-6.21	-5.79	-9.49	-10.71	-10.93	-6.60	-6.45	-10.36	-7.76	2.27
16	8.53	81.971	-.91	-2.90	-1.91	-1.71	-5.53	-8.11	-8.49	-2.30	-1.82	-6.37	-4.00	2.70
17	8.00	98.579	1.87	-.13	.56	.87	-1.31	-3.20	-2.97	.28	.26	-1.66	-.54	1.59
18	7.53	132.660	5.19	2.79	3.47	3.84	4.79	2.65	2.56	3.01	2.95	4.27	3.55	.89
19	7.11	194.197	13.12	9.82	11.21	11.76	10.62	11.14	10.76	10.69	10.41	12.90	11.24	1.01
20	6.74	274.525	20.70	17.61	19.62	20.37	18.08	15.19	15.21	19.59	18.78	20.26	18.54	1.92
21	6.40	282.809	23.88	22.50	24.80	25.39	24.18	20.12	20.09	25.34	24.01	24.13	23.44	1.84
22	6.10	223.190	25.25	24.30	26.48	27.06	23.95	24.13	25.13	27.06	26.06	25.33	25.47	1.10
23	5.82	199.551	24.97	25.31	27.14	27.47	23.92	25.49	26.94	28.01	27.26	27.15	26.37	1.27
24	5.57	143.168	24.67	24.56	26.74	27.33	26.26	25.67	27.17	27.84	26.70	28.46	26.54	1.21
25	5.33	104.244	24.22	24.45	26.22	26.90	28.34	25.27	27.53	27.49	26.64	29.69	26.68	1.63
26	5.12	95.655	24.49	26.82	28.35	29.19	29.44	25.83	30.22	30.74	29.14	29.29	28.35	1.90
27	4.92	64.970	26.05	26.85	29.31	30.57	28.62	26.36	31.58	32.00	29.21	30.58	29.11	2.03
28	4.74	45.480	27.14	26.41	30.11	31.64	27.67	31.82	9999.99	32.67	29.14	33.77	30.04	2.46
29	4.57	41.080	25.48	27.62	31.11	32.59	30.10	32.95	9999.99	35.52	30.56	37.34	31.47	3.46
30	4.41	37.012	24.78	30.55	35.74	37.06	35.22	36.02	9999.99	40.35	33.88	42.14	35.09	4.84
31	4.27	25.940	25.94	30.99	38.47	40.89	38.96	38.10	9999.99	41.82	35.50	41.81	36.95	5.05

Table A.14 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 19:00 HOURS Hmo=1.24 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	2.385	3.23	9.53	10.35	8.32	-6.57	12.60	8.11	9.89	30.42	-4.03	8.15	9.57
3	64.00	3.838	-5.9	-3.70	1.09	.15	-6.10	10.06	-.40	-.27	28.23	-3.77	2.39	9.51
4	42.67	3.462	1.36	-.45	3.97	3.00	-1.93	9.39	7.88	2.93	31.25	-4.85	5.18	9.56
5	32.00	2.548	1.72	3.09	5.55	4.32	2.40	8.01	5.66	5.37	32.67	-1.22	6.67	8.97
6	25.60	2.215	11.67	10.04	11.75	11.40	7.57	8.63	5.17	11.81	33.67	12.01	12.33	7.42
7	21.33	2.248	10.41	8.60	11.95	11.46	12.21	3.43	3.99	11.67	29.25	12.41	11.52	6.69
8	18.29	2.206	-3.04	-4.68	-1.73	-2.62	5.93	-4.30	3.79	-3.24	12.36	-4.59	-.22	5.41
9	16.00	2.887	-7.03	-7.20	-7.51	-8.31	-4.57	-4.67	.12	-8.30	3.11	-12.12	-5.65	4.19
10	14.22	3.372	-3.54	-5.62	-5.85	-5.88	-4.89	-5.16	-3.22	-6.44	-.16	-11.28	-5.20	2.68
11	12.80	5.191	-3.39	-7.59	-6.84	-6.37	-6.22	-5.48	-5.08	-7.97	-5.23	-9.33	-6.35	1.60
12	11.64	17.979	-4.49	-8.40	-7.17	-6.62	-7.56	-8.12	-8.68	-7.99	-8.22	-8.20	-7.54	1.17
13	10.67	43.272	-4.70	-7.91	-6.78	-6.32	-7.36	-10.12	-10.14	-7.37	-7.55	-8.58	-7.68	1.57
14	9.85	79.453	-5.05	-6.98	-7.01	-6.60	-7.52	-8.04	-8.70	-7.11	-6.87	-8.99	-7.29	1.07
15	9.14	97.441	-4.95	-6.13	-6.62	-6.31	-5.97	-7.99	-9.71	-6.57	-5.39	-8.02	-6.77	1.35
16	8.53	86.101	-2.35	-3.08	-3.29	-3.14	-3.78	-6.54	-6.67	-3.27	-1.63	-4.91	-3.87	1.59
17	8.00	76.193	1.16	.10	.29	.43	-1.07	-1.04	-1.75	.16	1.63	-.24	-.03	.98
18	7.53	107.058	6.78	5.88	6.09	6.30	4.09	4.11	2.74	6.13	6.26	4.61	5.30	1.25
19	7.11	196.587	10.43	9.48	9.55	9.79	9.01	10.21	8.77	9.52	10.00	9.09	9.59	.51
20	6.74	239.080	13.04	12.38	12.55	12.63	13.32	15.41	14.91	12.31	13.52	11.71	13.18	1.11
21	6.40	208.515	18.02	18.81	19.01	18.95	17.45	19.12	21.10	19.36	20.25	16.21	18.83	1.30
22	6.10	174.892	22.28	22.54	23.04	23.28	22.40	21.22	23.53	23.27	24.02	22.75	22.83	.74
23	5.82	134.862	21.08	20.82	21.76	22.07	21.89	22.64	25.19	21.90	22.53	21.38	22.13	1.16
24	5.57	99.063	21.72	22.19	23.87	24.02	20.96	23.23	26.25	24.85	24.52	23.78	23.54	1.49
25	5.33	82.558	23.54	25.16	26.02	26.56	23.33	23.39	25.52	28.36	27.66	29.58	25.91	2.06
26	5.12	61.944	23.29	26.84	27.50	28.75	25.35	24.12	29.30	31.14	29.20	28.70	27.42	2.38
27	4.92	48.018	22.08	25.78	26.07	27.25	25.15	25.91	33.11	30.55	28.04	27.50	27.14	2.87
28	4.74	39.709	23.94	23.45	25.95	28.01	23.94	29.49	33.58	29.52	26.00	29.58	27.34	3.09
29	4.57	37.055	24.06	21.83	27.19	29.43	27.35	30.66	34.46	31.16	24.75	33.18	28.41	3.89
30	4.41	26.753	25.28	22.99	29.26	33.08	31.51	32.28	38.08	35.84	25.97	39.59	31.39	5.27
31	4.27	17.626	24.07	23.61	27.75	31.95	34.40	39.31	9999.99	9999.99	26.96	41.74	31.22	6.38

Table A.15 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 02/02/94 22:00 HOURS Hmo=1.01 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm [#] 2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.457	-14.48	2.69	-3.55	-6.99	2.22	-3.20	1.19	1.05	34.49	3.52	1.54	12.12
3	64.00	2.136	-8.90	-2.39	3.05	-.46	2.61	.67	-2.28	2.16	27.64	1.71	2.31	9.06
4	42.67	1.963	-3.13	.49	6.86	3.87	2.47	6.03	1.53	5.53	29.79	2.81	5.56	8.52
5	32.00	2.151	7.65	10.23	16.30	14.09	11.36	12.58	10.32	15.32	37.80	12.06	14.71	8.05
6	25.60	2.326	11.60	14.55	19.08	17.36	15.21	13.75	12.99	18.83	39.90	14.75	17.75	7.72
7	21.33	2.249	7.02	10.50	14.12	12.38	9.10	8.43	5.04	13.81	33.51	9.09	12.25	7.58
8	18.29	2.389	2.52	3.14	7.08	5.61	-.67	3.39	1.37	6.07	24.62	2.42	5.52	6.72
9	16.00	3.189	-4.27	-2.98	-1.42	-2.77	-6.65	-6.38	-1.74	-2.44	13.33	-4.98	-2.05	5.40
10	14.22	4.847	-6.31	-6.31	-4.73	-5.57	-7.28	-4.55	-3.09	-5.95	4.38	-10.30	-4.98	3.60
11	12.80	11.048	-5.97	-7.94	-5.78	-6.04	-5.92	-4.91	-7.50	-6.91	-2.42	-9.62	-6.30	1.82
12	11.64	25.367	-6.15	-7.72	-6.72	-6.76	-4.34	-6.91	-8.81	-7.28	-4.61	-8.29	-6.76	1.36
13	10.67	44.899	-5.42	-6.03	-6.20	-6.19	-5.49	-6.01	-8.34	-6.31	-3.38	-7.78	-6.11	1.27
14	9.85	59.598	-3.77	-4.49	-4.46	-4.40	-5.52	-6.56	-6.69	-4.51	-2.07	-6.87	-4.93	1.42
15	9.14	56.463	-2.73	-3.88	-3.14	-3.05	-7.22	-7.02	-4.98	-3.37	-2.06	-6.61	-4.41	1.82
16	8.53	53.784	.16	-2.12	-.68	-.34	-3.84	-3.67	-2.45	-1.02	-.20	-3.16	-1.73	1.43
17	8.00	70.455	3.79	1.33	2.81	3.26	3.24	1.05	-.40	2.58	3.34	1.73	2.27	1.25
18	7.53	89.872	8.55	6.39	8.03	8.46	6.52	7.76	5.04	7.93	7.88	6.02	7.26	1.12
19	7.11	111.072	11.74	9.45	11.11	11.46	7.37	9.22	6.95	10.82	10.70	9.62	9.84	1.57
20	6.74	131.850	14.38	12.24	13.81	14.11	10.55	11.80	9.42	13.51	13.78	11.47	12.51	1.59
21	6.40	144.085	18.31	16.49	17.84	18.12	17.73	15.28	14.18	17.65	18.35	16.10	17.01	1.36
22	6.10	123.260	20.87	20.81	21.94	22.09	20.44	19.85	18.55	22.24	23.06	20.55	21.04	1.25
23	5.82	88.450	19.87	21.51	22.22	22.21	22.26	23.19	20.28	23.13	23.85	20.98	21.95	1.23
24	5.57	54.351	18.86	20.17	20.32	20.41	22.82	23.11	22.18	21.36	22.53	19.95	21.17	1.36
25	5.33	40.844	21.84	20.40	21.94	22.79	23.85	23.62	25.84	23.21	23.17	28.42	23.51	2.13
26	5.12	35.336	22.76	22.19	23.99	25.30	23.37	23.33	27.78	27.90	24.73	33.23	25.46	3.18
27	4.92	30.762	21.81	20.64	22.20	23.92	26.16	27.27	9999.99	25.86	22.84	35.93	25.17	4.34
28	4.74	27.180	21.31	20.56	20.48	21.67	28.05	31.39	9999.99	23.30	22.50	38.32	25.27	5.78
29	4.57	20.683	22.75	23.06	22.49	24.16	28.55	26.09	9999.99	27.42	25.65	34.72	26.10	3.64
30	4.41	12.570	23.82	24.53	26.53	29.24	25.97	31.51	9999.99	31.36	27.44	36.77	28.57	3.88
31	4.27	9.096	23.16	26.11	28.86	29.76	29.53	33.20	9999.99	33.02	28.97	39.51	30.23	4.40

Table A.16 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 01:00 HOURS Hmo= .82 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.090	17.96	3.45	-4.01	.49	-6.93	-.57	-4.21	-.59	25.54	1.63	3.21	9.82
3	64.00	1.917	-.08	-6.14	-1.68	-1.85	-.33	-1.24	-2.07	-3.17	26.88	-2.88	.66	8.86
4	42.67	2.406	-2.90	-2.39	2.86	.90	1.37	4.85	1.07	.98	28.95	.28	3.52	8.71
5	32.00	2.192	-3.80	1.17	5.58	2.83	2.47	6.73	1.73	4.05	32.03	.21	5.21	9.33
6	25.60	1.830	-1.24	5.35	10.31	7.24	7.27	3.71	-1.74	9.06	35.29	3.94	7.82	9.87
7	21.33	1.792	1.83	7.63	12.38	9.85	9.07	1.79	-2.09	11.66	34.01	8.33	9.38	9.34
8	18.29	2.517	-.60	-.25	3.23	2.11	2.49	-1.57	-3.07	1.96	20.12	2.30	2.65	6.13
9	16.00	3.869	-4.44	-5.95	-2.89	-3.63	-5.23	-2.44	-3.95	-4.36	8.29	-5.13	-2.98	3.89
10	14.22	4.954	-3.58	-5.41	-2.33	-2.80	-4.59	-4.72	-7.11	-3.72	5.43	-5.13	-3.40	3.22
11	12.80	9.107	-3.53	-5.46	-3.76	-3.87	-3.99	-7.35	-7.20	-4.55	.41	-6.35	-4.56	2.14
12	11.64	23.250	-4.07	-6.00	-5.06	-4.91	-4.70	-7.40	-8.14	-5.37	-2.56	-7.55	-5.58	1.64
13	10.67	41.943	-5.55	-8.05	-6.82	-6.61	-6.67	-7.91	-9.19	-7.25	-4.37	-9.24	-7.17	1.44
14	9.85	47.664	-5.93	-8.24	-7.00	-6.88	-6.72	-7.71	-8.73	-7.62	-4.90	-9.03	-7.28	1.20
15	9.14	41.797	-2.11	-3.63	-2.10	-2.02	-4.69	-6.04	-6.26	-2.42	-.53	-5.42	-3.52	1.88
16	8.53	38.730	2.58	1.14	2.49	2.68	-1.64	-.25	.05	2.47	3.98	1.11	1.46	1.61
17	8.00	49.795	5.92	4.83	5.62	5.87	2.42	3.35	3.94	5.77	6.86	5.94	5.05	1.32
18	7.53	66.350	8.57	7.82	8.62	8.87	6.37	5.84	6.07	8.94	9.43	7.39	7.79	1.24
19	7.11	73.840	10.90	9.77	10.75	11.01	9.39	9.92	10.63	10.79	10.84	9.11	10.31	.66
20	6.74	68.881	15.04	12.99	14.73	14.98	11.06	13.63	14.80	14.26	13.73	11.85	13.71	1.30
21	6.40	77.715	18.49	16.34	18.04	18.31	14.93	17.11	18.86	17.61	17.50	15.86	17.31	1.19
22	6.10	75.624	19.12	19.80	20.05	20.14	18.89	20.60	21.76	20.52	21.43	18.35	20.06	1.03
23	5.82	56.583	20.76	22.04	22.37	22.43	22.32	23.70	25.33	23.35	23.78	21.91	22.80	1.21
24	5.57	35.436	21.47	22.43	22.57	22.94	23.10	23.07	26.93	23.72	24.36	25.16	23.57	1.48
25	5.33	23.960	20.62	23.38	23.29	23.91	20.55	23.61	25.92	25.42	25.55	22.89	23.51	1.77
26	5.12	20.786	20.50	24.00	24.25	24.60	22.78	25.25	29.20	27.61	26.28	9999.99	24.94	2.43
27	4.92	17.064	20.99	23.59	24.69	24.86	26.29	26.77	33.69	28.25	26.09	9999.99	26.14	3.31
28	4.74	13.682	21.59	20.90	25.13	25.46	30.85	26.33	32.42	26.29	23.98	9999.99	25.88	3.58
29	4.57	9.728	20.33	19.14	24.24	24.55	27.80	9999.99	31.70	24.17	22.01	9999.99	24.24	3.79
30	4.41	6.716	21.96	20.19	26.74	27.76	27.71	9999.99	9999.99	28.07	22.30	9999.99	24.96	3.09
31	4.27	5.830	21.62	19.93	25.24	25.91	28.79	9999.99	9999.99	9999.99	21.13	9999.99	23.77	3.12

Table A.17 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 04:00 HOURS Hmo= .66 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.038	-27.51	-31.19	-9.28	-14.26	-13.92	-13.55	-26.99	-17.75	2.41	-14.22	-16.64	9.40
3	64.00	1.621	-21.41	-24.20	-9.45	-12.68	-11.76	-17.85	-20.31	-14.84	8.16	-12.04	-13.68	8.57
4	42.67	1.731	-10.39	-13.00	-3.18	-5.20	-5.72	-9.06	-10.48	-6.70	20.34	-6.04	-5.02	8.88
5	32.00	1.467	-2.25	-1.12	4.98	3.00	1.36	3.31	.28	3.19	32.79	.71	4.51	9.62
6	25.60	1.132	-3.71	1.45	5.64	2.89	4.23	6.64	2.03	4.78	32.16	.15	5.54	9.29
7	21.33	1.412	-3.83	.15	2.73	.73	1.98	1.74	-.12	1.79	23.71	-3.22	2.52	7.34
8	18.29	1.754	-4.45	-1.75	-.07	-1.39	-3.51	-5.54	-5.41	-.99	14.99	-10.63	-1.90	6.33
9	16.00	2.373	-7.66	-6.07	-5.25	-6.34	-6.11	-7.66	-9.37	-6.15	5.67	-13.50	-6.25	4.58
10	14.22	4.164	-8.44	-8.59	-8.33	-8.83	-8.92	-6.01	-9.20	-8.90	-3.22	-13.36	-8.38	2.42
11	12.80	10.448	-6.27	-7.17	-7.35	-7.41	-8.29	-5.33	-7.71	-7.60	-5.29	-10.94	-7.34	1.53
12	11.64	25.571	-2.40	-4.93	-3.93	-3.67	-7.27	-6.63	-6.27	-4.49	-3.87	-7.14	-5.06	1.59
13	10.67	44.979	-2.72	-5.28	-4.01	-3.73	-7.28	-8.84	-7.81	-4.55	-3.88	-6.43	-5.45	1.93
14	9.85	47.575	-4.95	-6.96	-6.33	-6.05	-5.90	-8.24	-8.33	-6.65	-5.57	-7.00	-6.60	1.03
15	9.14	46.165	-3.24	-5.45	-4.50	-4.18	-4.52	-5.45	-8.34	-4.78	-4.02	-5.77	-5.03	1.32
16	8.53	40.596	-.85	-2.17	-1.43	-1.23	-2.03	-1.72	-2.18	-1.51	-1.10	-4.22	-1.84	.90
17	8.00	32.792	4.13	1.62	3.13	3.52	2.49	3.00	5.31	2.85	3.06	1.77	3.09	1.03
18	7.53	29.272	6.63	3.80	5.62	6.20	4.48	5.59	7.40	5.45	4.68	4.11	5.40	1.09
19	7.11	36.478	8.31	6.37	7.27	7.83	6.63	7.11	8.33	7.43	6.52	6.45	7.23	.71
20	6.74	39.469	11.05	8.62	9.99	10.63	9.60	9.24	9.99	10.04	8.84	9.53	9.75	.72
21	6.40	36.693	13.81	11.23	12.41	13.03	11.87	13.65	14.28	12.54	11.55	11.35	12.57	1.03
22	6.10	33.312	16.83	14.59	16.06	16.63	17.26	18.08	18.56	16.25	15.42	14.92	16.46	1.22
23	5.82	28.273	20.74	20.50	23.28	23.70	22.63	23.38	22.64	24.41	21.39	21.06	22.37	1.30
24	5.57	22.558	24.16	24.07	27.47	28.08	25.11	24.33	26.00	28.54	24.41	26.95	25.91	1.64
25	5.33	17.789	22.58	24.72	27.30	27.58	25.29	22.44	27.18	28.18	24.83	26.24	25.63	1.92
26	5.12	11.843	22.29	22.96	25.14	26.79	24.26	22.00	9999.99	26.57	23.99	25.64	24.41	1.66
27	4.92	10.600	21.56	21.71	22.22	24.52	30.48	19.28	9999.99	26.00	23.21	26.22	23.91	3.13
28	4.74	7.417	19.59	19.99	19.89	21.40	28.89	23.15	9999.99	22.59	21.15	9999.99	22.08	2.84
29	4.57	4.175	21.01	21.23	20.37	22.20	26.97	26.47	9999.99	23.48	22.27	9999.99	23.00	2.33
30	4.41	2.670	24.12	21.42	22.44	26.60	30.85	29.79	9999.99	26.92	22.03	9999.99	25.52	3.36
31	4.27	2.555	23.61	20.14	27.86	30.66	9999.99	35.27	9999.99	29.51	21.04	9999.99	26.87	5.11

Table A.18 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 07:00 HOURS Hmo= .61 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.955	-18.02	-17.00	-6.23	-9.72	-20.16	-17.39	-20.70	-10.40	16.77	-16.50	-12.05	10.59
3	64.00	1.471	-20.51	-17.96	-10.16	-13.08	-13.65	-14.08	-14.60	-13.14	11.47	-16.34	-12.27	8.35
4	42.67	1.321	-20.96	-16.25	-9.13	-12.61	-7.19	-11.75	-13.14	-12.08	16.28	-12.61	-10.03	9.43
5	32.00	1.306	-11.04	-7.44	-.02	-3.41	.75	-1.93	-5.09	-2.85	27.13	-2.71	-.76	9.83
6	25.60	1.305	-2.96	-2.76	5.78	3.18	3.17	2.81	.17	2.78	30.28	1.27	4.29	9.02
7	21.33	1.173	-4.63	-2.32	2.92	.76	.90	.62	2.91	.77	22.49	-.59	2.34	7.04
8	18.29	1.738	-4.98	-4.18	-.95	-2.28	-.80	-2.71	-2.16	-2.40	8.62	-2.60	-1.45	3.56
9	16.00	2.822	-10.34	-9.21	-7.41	-8.45	-7.61	-8.46	-7.54	-8.44	-.29	-10.87	-7.86	2.75
10	14.22	3.701	-9.95	-9.58	-9.02	-9.61	-6.86	-11.77	-10.31	-9.75	-3.57	-11.62	-9.20	2.28
11	12.80	10.692	-3.80	-6.59	-5.41	-5.20	-5.75	-8.53	-9.14	-6.12	-5.65	-7.41	-6.36	1.53
12	11.64	33.873	-1.53	-3.89	-3.03	-2.75	-5.92	-5.35	-5.71	-3.38	-3.20	-5.84	-4.06	1.46
13	10.67	63.148	-2.15	-4.19	-3.55	-3.28	-6.56	-4.53	-5.97	-3.80	-3.18	-6.67	-4.39	1.46
14	9.85	63.988	-4.05	-6.40	-5.58	-5.34	-7.83	-4.80	-7.95	-6.12	-5.13	-8.38	-6.16	1.39
15	9.14	46.828	-5.72	-7.29	-6.99	-6.90	-7.99	-5.71	-9.25	-7.38	-5.91	-9.07	-7.22	1.21
16	8.53	32.577	-3.86	-5.74	-5.22	-5.05	-5.75	-4.90	-5.84	-5.56	-4.47	-6.10	-5.25	.66
17	8.00	25.285	.34	-1.61	-.86	-.53	-1.90	-1.09	-1.83	-.86	-.37	-2.57	-1.13	.82
18	7.53	24.601	3.79	3.49	3.43	3.84	1.69	2.42	.80	4.40	4.03	2.66	3.06	1.08
19	7.11	28.244	6.89	5.89	6.48	7.02	5.14	6.55	4.48	7.21	5.88	6.24	6.18	.81
20	6.74	28.380	7.75	6.00	7.25	7.91	7.63	7.41	7.97	7.86	6.37	7.76	7.39	.64
21	6.40	21.408	9.94	5.83	7.86	9.02	8.73	9.18	11.01	8.22	7.03	11.49	8.83	1.64
22	6.10	17.471	11.17	8.43	9.45	10.73	12.58	12.71	13.58	10.64	9.07	13.55	11.19	1.77
23	5.82	15.240	14.21	13.87	13.89	15.03	15.70	18.43	18.62	15.58	13.93	16.19	15.54	1.69
24	5.57	13.431	19.05	17.79	20.50	22.29	20.31	24.20	23.53	22.22	18.22	20.86	20.90	2.06
25	5.33	10.227	21.06	20.70	24.29	26.30	24.87	24.10	26.79	25.91	21.57	25.72	24.13	2.14
26	5.12	8.369	18.24	20.54	21.55	23.12	27.15	25.38	30.24	24.02	21.53	9999.99	23.53	3.44
27	4.92	6.054	16.14	19.75	20.44	21.85	24.20	25.88	35.63	27.20	20.07	9999.99	23.46	5.36
28	4.74	3.591	15.34	19.56	18.73	21.24	27.44	29.45	9999.99	28.12	19.44	9999.99	22.41	4.86
29	4.57	1.878	16.26	19.39	20.87	24.20	9999.99	9999.99	9999.99	28.45	19.89	9999.99	21.51	3.88
30	4.41	1.311	13.97	15.90	26.47	31.58	9999.99	9999.99	9999.99	29.51	17.58	9999.99	22.50	6.93
31	4.27	.917	9.67	12.54	28.83	33.02	9999.99	9999.99	9999.99	9999.99	15.00	9999.99	19.80	9.32

Table A.19 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 10:00 HOURS Hmo= .57 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	1.141	-41.98	-10.30	-15.52	-22.26	-17.09	-19.26	-24.55	-12.75	21.84	-20.18	-16.40	15.14
3	64.00	1.388	-26.92	-16.31	-10.51	-14.92	-16.07	-15.18	-14.00	-12.29	17.54	-15.69	-12.56	10.80
4	42.67	1.330	-21.32	-20.48	-15.50	-17.20	-20.75	-11.89	-12.93	-17.17	11.03	-20.46	-14.75	9.13
5	32.00	1.416	-16.19	-14.91	-9.31	-11.27	-20.88	-6.91	-13.00	-11.26	14.90	-17.54	-10.71	9.36
6	25.60	1.120	-10.45	-6.94	-1.68	-4.31	-5.73	-5.97	-14.79	-3.46	23.50	-7.13	-3.79	9.72
7	21.33	1.014	-2.29	1.48	3.93	1.79	-.06	-4.44	-11.30	3.40	27.09	-1.55	1.73	9.43
8	18.29	1.858	-2.74	-1.49	2.38	.70	-2.48	-2.99	-7.40	.81	19.07	-2.59	.30	6.75
9	16.00	2.747	-3.98	-6.09	-1.71	-2.62	-4.09	-7.36	-12.69	-3.67	9.32	-4.81	-3.78	5.25
10	14.22	3.479	-3.80	-7.31	-2.81	-3.35	-7.62	-11.24	-12.21	-4.74	5.33	-5.62	-5.34	4.67
11	12.80	9.482	-4.70	-6.46	-4.98	-5.12	-7.30	-7.43	-5.18	-5.77	-.43	-8.25	-5.56	2.06
12	11.64	31.764	-5.21	-5.95	-5.74	-5.76	-5.26	-3.74	-2.33	-6.05	-2.88	-8.28	-5.12	1.64
13	10.67	68.757	-4.48	-5.76	-5.03	-5.01	-6.43	-4.56	-3.44	-5.48	-2.41	-8.05	-5.07	1.47
14	9.85	73.864	-4.37	-6.52	-5.23	-5.18	-8.42	-7.16	-7.31	-5.90	-3.00	-8.47	-6.16	1.67
15	9.14	53.833	-5.67	-7.84	-6.77	-6.72	-9.58	-9.45	-9.48	-7.47	-4.60	-10.22	-7.78	1.78
16	8.53	38.046	-5.87	-7.51	-6.56	-6.52	-8.48	-10.37	-8.80	-7.13	-4.16	-10.15	-7.55	1.84
17	8.00	27.098	-6.88	-7.75	-7.20	-7.29	-8.93	-9.85	-9.25	-7.54	-4.14	-13.17	-8.20	2.23
18	7.53	22.106	-4.23	-5.31	-4.69	-4.86	-4.89	-5.33	-5.21	-5.07	-2.60	-9.54	-5.17	1.64
19	7.11	18.093	.42	-2.29	-.60	-.03	3.31	-.62	2.64	-.36	-.15	2.65	.50	1.70
20	6.74	14.384	1.62	-.86	.55	1.56	3.78	.94	6.64	1.41	1.92	3.57	2.11	1.98
21	6.40	9.915	-.71	-.51	-.05	.95	3.50	-.52	11.48	2.46	3.31	6.22	2.61	3.65
22	6.10	7.983	-3.65	-2.48	-2.19	-1.65	4.71	.49	14.05	1.61	2.49	9999.99	1.47	5.12
23	5.82	5.563	-3.37	-5.89	-5.09	-4.15	7.09	9999.99	19.33	9999.99	-.99	9999.99	.95	8.51
24	5.57	4.894	-2.73	-2.37	-5.32	9999.99	9999.99	9999.99	9999.99	9999.99	.10	9999.99	-2.58	1.92
25	5.33	4.161	-1.73	-2.07	-1.05	9999.99	9999.99	9999.99	9999.99	9999.99	1.45	9999.99	-.85	1.38
26	5.12	3.216	.92	-3.19	2.73	9999.99	9999.99	9999.99	9999.99	9999.99	3.71	9999.99	1.04	2.64
27	4.92	2.038	-.32	-3.50	3.52	9999.99	9999.99	9999.99	9999.99	9999.99	3.84	9999.99	.88	3.02
28	4.74	1.044	-5.30	-8.20	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-.22	9999.99	-4.58	3.30
29	4.57	.704	-8.09	-16.62	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-11.25	9999.99	-11.99	3.52
30	4.41	.473	-6.10	-20.03	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-11.86	9999.99	-12.66	5.71
31	4.27	.291	-9.27	-21.86	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-11.99	9999.99	-14.37	5.41

Table A.20 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 13:00 HOURS Hmo= .43 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.861	-24.16	-20.13	-26.53	-26.10	-21.98	-21.45	-23.30	-23.99	8.31	-30.58	-21.11	10.17
3	64.00	1.016	-19.07	-21.00	-15.25	-16.45	-16.51	-16.18	-18.59	-17.61	11.81	-21.08	-15.09	9.13
4	42.67	.928	-17.39	-22.59	-12.61	-14.43	-9.79	-15.54	-17.12	-16.57	14.64	-15.01	-12.74	9.63
5	32.00	.950	-14.35	-18.38	-8.75	-10.78	-8.85	-18.45	-19.42	-12.42	20.18	-12.51	-10.51	10.84
6	25.60	.871	-12.60	-11.63	-4.58	-6.84	-6.09	-10.33	-14.58	-7.33	24.07	-9.21	-6.04	10.42
7	21.33	1.030	-10.11	-8.55	-1.88	-4.08	-4.62	-10.95	-13.44	-4.57	21.44	-6.92	-4.45	9.25
8	18.29	1.928	-9.42	-9.40	-6.28	-7.40	-10.33	-14.89	-13.73	-7.51	11.75	-12.07	-7.96	7.07
9	16.00	2.836	-10.42	-11.83	-9.88	-10.32	-13.65	-12.68	-12.51	-10.90	3.02	-16.49	-10.58	4.90
10	14.22	3.022	-9.87	-10.21	-9.14	-9.54	-11.99	-12.65	-14.12	-9.91	-8.6	-15.71	-10.40	3.79
11	12.80	5.197	-7.04	-5.91	-5.87	-6.32	-8.68	-10.76	-10.93	-5.94	1.45	-12.61	-7.26	3.72
12	11.64	15.840	-3.83	-4.85	-4.13	-4.24	-5.35	-6.33	-6.90	-4.57	-.29	-8.83	-4.93	2.12
13	10.67	34.484	-2.72	-5.34	-4.16	-4.05	-4.08	-6.27	-6.85	-4.93	-2.41	-6.80	-4.76	1.49
14	9.85	43.033	-4.27	-7.18	-5.85	-5.71	-5.27	-8.02	-7.61	-6.71	-4.32	-7.93	-6.29	1.34
15	9.14	32.862	-6.76	-10.84	-8.74	-8.51	-7.91	-8.89	-9.08	-10.09	-7.76	-10.20	-8.88	1.18
16	8.53	22.844	-8.03	-10.62	-9.36	-9.18	-10.51	-10.14	-11.52	-10.17	-8.28	-11.90	-9.97	1.21
17	8.00	16.725	-9.04	-9.98	-9.81	-9.80	-10.91	-10.72	-10.40	-10.11	-7.34	-12.93	-10.10	1.34
18	7.53	12.419	-7.13	-8.57	-8.01	-8.09	-10.34	-11.92	-11.07	-8.42	-5.07	-11.87	-9.05	2.10
19	7.11	8.998	-6.20	-9.87	-7.83	-7.90	-9.88	-10.84	-9.40	-9.29	-5.27	-11.62	-8.81	1.89
20	6.74	7.696	-4.45	-9.96	-6.84	-6.23	-9.51	-10.58	-11.38	-8.72	-5.11	9999.99	-8.09	2.36
21	6.40	5.285	-6.07	-11.67	-8.98	-8.22	-12.41	-15.41	9999.99	-10.75	-6.66	9999.99	-10.02	2.94
22	6.10	3.816	-14.83	-18.60	-17.53	-19.58	-30.71	-24.98	9999.99	-22.50	-12.48	9999.99	-20.15	5.44
23	5.82	3.213	-18.16	-22.60	-22.24	-25.44	-32.72	-43.14	9999.99	-30.97	-16.90	9999.99	-26.50	8.15
24	5.57	2.432	-21.37	-27.54	-30.97	-36.36	-38.17	-42.21	9999.99	-40.12	-20.34	9999.99	-32.14	7.88
25	5.33	2.208	-22.32	-32.43	-32.81	-36.65	-43.46	-41.51	9999.99	-39.62	-22.92	9999.99	-33.97	7.48
26	5.12	1.833	-25.56	-32.10	-33.84	-39.00	-42.27	-40.92	9999.99	-41.42	-22.84	9999.99	-34.76	6.99
27	4.92	1.320	-29.29	-31.97	-39.81	-42.99	-43.51	-39.50	9999.99	-44.27	-21.60	9999.99	-36.64	7.63
28	4.74	.892	-29.73	-33.26	-43.05	-44.52	-44.60	-44.91	9999.99	-44.82	-25.27	9999.99	-38.78	7.53
29	4.57	.637	-32.28	-36.64	-43.77	-45.54	-46.26	-48.05	9999.99	-48.38	-28.19	9999.99	-41.15	7.24
30	4.41	.484	-38.02	-41.46	-44.51	-47.74	-50.95	-54.08	9999.99	-51.05	-30.87	9999.99	-44.85	7.27
31	4.27	.387	-35.98	-45.03	-42.88	-44.79	-50.94	-53.96	9999.99	-50.05	-34.35	9999.99	-44.75	6.52

Table A.21 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 16:00 HOURS Hmo= .39 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ^{#2})	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.600	-9.25	-25.75	-14.54	-13.54	-4.72	-11.37	-29.12	-18.35	13.01	-9.52	-12.36	11.06
3	64.00	.786	-14.82	-24.00	-9.39	-10.85	-10.65	-15.00	-21.88	-14.99	12.25	-16.05	-12.60	9.37
4	42.67	.685	-19.52	-26.09	-10.75	-12.87	-13.23	-19.05	-22.03	-16.67	9.64	-16.78	-14.80	9.21
5	32.00	.547	-16.19	-22.21	-9.49	-11.62	-11.45	-16.67	-19.49	-14.35	16.26	-14.48	-12.07	10.08
6	25.60	.462	-9.83	-16.04	-9.59	-10.54	-12.28	-14.43	-18.17	-12.13	15.55	-15.03	-10.33	9.00
7	21.33	.807	-5.14	-9.11	-5.93	-6.09	-10.10	-11.13	-13.88	-7.09	9.87	-10.48	-6.93	6.17
8	18.29	1.747	-4.93	-8.07	-4.95	-5.06	-8.73	-11.41	-13.22	-6.06	3.53	-9.17	-6.81	4.37
9	16.00	2.339	-8.59	-11.60	-8.12	-8.37	-9.19	-11.28	-13.60	-9.48	-1.55	-10.59	-9.24	3.04
10	14.22	2.041	-10.85	-13.28	-10.41	-10.89	-8.27	-12.02	-15.41	-11.91	-3.57	-12.04	-10.87	3.01
11	12.80	2.755	-11.31	-15.84	-13.01	-13.05	-9.37	-14.52	-16.98	-14.84	-8.19	-13.33	-13.04	2.63
12	11.64	8.794	-9.36	-14.08	-12.14	-11.82	-10.00	-13.40	-14.62	-13.59	-11.62	-12.60	-12.32	1.62
13	10.67	25.198	-4.15	-9.08	-6.74	-6.36	-9.51	-11.62	-11.76	-8.02	-7.74	-9.39	-8.44	2.23
14	9.85	38.717	-3.02	-7.28	-5.38	-4.95	-8.87	-9.25	-9.32	-6.36	-5.82	-7.71	-6.80	1.96
15	9.14	34.335	-5.02	-9.02	-7.62	-7.13	-9.57	-10.05	-9.52	-8.56	-7.22	-8.97	-8.27	1.45
16	8.53	20.973	-8.76	-11.97	-11.52	-11.16	-11.80	-13.18	-12.13	-12.29	-9.59	-11.75	-11.42	1.24
17	8.00	10.700	-9.00	-10.55	-10.61	-10.49	-11.93	-15.39	-16.41	-10.88	-7.21	-11.74	-11.42	2.59
18	7.53	6.723	-5.95	-9.74	-7.50	-7.14	-11.95	-17.61	-20.22	-8.27	-5.91	-10.10	-10.43	4.63
19	7.11	6.075	-8.61	-13.29	-11.12	-10.67	-16.70	-18.99	-20.66	-12.49	-8.96	-14.39	-13.59	3.89
20	6.74	4.699	-11.46	-15.39	-14.03	-14.31	-19.99	-22.44	-24.53	-16.76	-11.21	-21.24	-17.14	4.43
21	6.40	3.174	-16.10	-18.23	-17.65	-20.23	-23.30	-33.03	-33.54	-22.99	-13.98	-36.73	-23.57	7.65
22	6.10	2.627	-22.81	-20.41	-24.21	-28.07	-32.81	-36.48	-39.70	-28.29	-15.96	-38.69	-28.74	7.65
23	5.82	2.313	-30.26	-29.37	-34.05	-38.17	-39.94	-37.95	-42.07	-38.60	-23.98	-43.94	-35.84	5.96
24	5.57	2.260	-31.62	-36.15	-37.33	-39.84	-41.35	-43.32	-43.69	-39.99	-29.35	-45.99	-38.87	5.05
25	5.33	2.038	-32.82	-39.82	-38.05	-39.37	-40.01	-42.77	-43.89	-40.66	-35.97	-45.19	-39.85	3.49
26	5.12	2.050	-35.10	-44.11	-38.07	-39.86	-41.60	-44.38	-46.53	-43.28	-41.20	-50.13	-42.43	4.06
27	4.92	2.153	-36.81	-47.63	-42.84	-44.46	-46.55	-46.95	-49.54	-47.33	-43.73	-54.41	-46.02	4.37
28	4.74	1.745	-39.90	-46.40	-48.29	-49.87	-50.19	-49.48	-53.83	-50.59	-40.27	-54.29	-48.32	4.67
29	4.57	1.425	-40.62	-48.05	-51.26	-52.36	-50.97	-52.08	-54.93	-53.65	-40.01	-56.33	-50.03	5.31
30	4.41	1.303	-42.38	-53.03	-51.11	-50.71	-52.17	-53.21	-55.53	-54.91	-42.50	-58.21	-51.38	4.93
31	4.27	1.012	-46.12	-54.60	-49.44	-50.42	-52.38	-55.32	-56.59	-54.18	-44.31	-58.64	-52.20	4.36

Table A.22 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 19:00 HOURS Hmo=.40 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.469	-27.13	-39.47	-17.60	-20.48	-32.89	-17.76	-16.16	-26.06	-15.04	-36.63	-24.91	8.47
3	64.00	.643	-19.61	-26.03	-14.28	-16.00	-20.21	-14.12	-12.35	-18.63	.04	-24.13	-16.55	6.92
4	42.67	.484	-14.92	-20.80	-9.02	-10.89	-13.45	-12.45	-12.87	-13.47	9.76	-17.13	-11.57	7.74
5	32.00	.344	-11.47	-15.63	-6.04	-7.74	-9.65	-11.49	-13.04	-9.58	17.49	-12.83	-8.08	8.89
6	25.60	.350	-18.12	-16.73	-9.35	-11.62	-9.64	-12.81	-15.80	-12.32	12.90	-13.61	-10.77	8.33
7	21.33	.555	-11.25	-8.03	-5.56	-7.21	-6.55	-12.98	-17.24	-6.51	13.15	-10.12	-7.27	7.60
8	18.29	1.478	-7.32	-7.28	-5.49	-6.21	-8.95	-10.45	-11.98	-6.28	5.91	-9.96	-6.81	4.68
9	16.00	2.706	-5.92	-8.97	-6.64	-6.59	-9.45	-9.37	-11.41	-7.67	-.33	-9.51	-7.59	2.90
10	14.22	2.574	-7.84	-11.65	-9.83	-9.42	-10.80	-12.22	-13.13	-10.80	-6.05	-12.46	-10.42	2.09
11	12.80	2.563	-12.39	-15.38	-14.43	-14.10	-13.47	-16.85	-17.62	-15.23	-10.64	-17.54	-14.77	2.14
12	11.64	6.492	-9.42	-13.44	-11.92	-11.51	-15.55	-12.19	-13.49	-12.88	-12.65	-16.55	-12.96	1.91
13	10.67	22.506	-8.80	-12.72	-11.09	-10.69	-15.71	-8.35	-10.95	-12.04	-12.63	-15.42	-11.84	2.31
14	9.85	37.255	-8.30	-11.97	-10.19	-9.86	-12.51	-8.15	-10.74	-11.15	-10.54	-14.21	-10.76	1.75
15	9.14	28.988	-6.48	-9.96	-7.93	-7.64	-10.28	-9.08	-10.17	-8.93	-7.64	-12.78	-9.09	1.71
16	8.53	15.218	-6.41	-8.96	-7.30	-7.14	-12.53	-9.97	-10.48	-8.07	-6.94	-14.38	-9.22	2.50
17	8.00	7.873	-10.15	-11.75	-11.28	-11.17	-14.82	-12.91	-12.98	-11.69	-10.07	-16.86	-12.37	2.01
18	7.53	5.002	-13.65	-15.93	-16.03	-15.90	-17.19	-17.17	-18.85	-16.89	-14.24	-18.39	-16.42	1.56
19	7.11	3.421	-15.46	-17.54	-17.52	-18.11	-20.67	-21.07	-21.86	-19.72	-14.85	-23.94	-19.07	2.74
20	6.74	3.030	-17.70	-22.68	-22.37	-23.32	-26.43	-28.18	-30.05	-28.53	-19.25	-35.32	-25.38	5.07
21	6.40	2.905	-21.58	-27.02	-26.31	-27.08	-34.36	-34.84	-38.32	-31.04	-24.14	-40.89	-30.56	6.04
22	6.10	2.476	-28.89	-29.39	-32.67	-34.23	-37.54	-36.76	-41.05	-34.55	-26.10	-39.79	-34.10	4.64
23	5.82	2.180	-32.41	-34.31	-37.54	-38.86	-39.46	-39.52	-41.97	-39.21	-29.97	-44.99	-37.82	4.25
24	5.57	2.656	-34.74	-38.73	-40.15	-40.81	-44.46	-41.36	-46.15	-42.46	-32.82	-47.84	-40.95	4.47
25	5.33	3.401	-35.34	-44.02	-42.66	-42.30	-45.69	-44.75	-49.27	-45.47	-37.66	-49.07	-43.63	4.21
26	5.12	4.179	-36.60	-46.97	-43.78	-43.23	-45.47	-47.66	-50.13	-46.89	-41.20	-51.60	-45.35	4.16
27	4.92	4.871	-40.56	-50.14	-46.76	-46.64	-47.53	-52.05	-51.80	-49.83	-44.26	-53.41	-48.30	3.74
28	4.74	5.291	-43.87	-51.11	-48.73	-48.51	-50.25	-53.40	-53.23	-51.46	-45.99	-53.59	-50.02	3.10
29	4.57	5.944	-45.08	-50.97	-48.62	-48.43	-51.49	-53.02	-54.76	-50.88	-44.02	-54.78	-50.21	3.50
30	4.41	5.957	-45.28	-53.18	-48.29	-47.90	-51.24	-52.69	-54.98	-51.41	-45.15	-55.70	-50.58	3.58
31	4.27	5.093	-46.05	-53.38	-48.99	-48.85	-51.82	-52.85	-54.72	-52.00	-43.74	-55.08	-50.75	3.55

Table A.23 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 03/02/94 22:00 HOURS Hmo=.31 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.381	-30.94	-34.23	-11.54	-16.07	-12.97	-17.53	-26.52	-19.80	-6.70	-15.74	-19.19	8.34
3	64.00	.494	-15.00	-23.19	-8.09	-10.19	-11.51	-12.48	-14.11	-13.51	1.15	-13.48	-12.05	5.79
4	42.67	.303	-6.12	-18.32	-9.72	-8.92	-9.10	-10.74	-11.60	-12.76	7.07	-12.38	-9.28	6.23
5	32.00	.192	-6.12	-17.94	-10.64	-8.76	-7.83	-12.81	-13.90	-13.76	11.40	-12.07	-9.28	7.61
6	25.60	.209	-13.36	-19.25	-10.22	-11.14	-9.27	-14.44	-18.87	-14.38	8.00	-14.59	-11.79	7.28
7	21.33	.392	-7.36	-13.81	-7.59	-7.98	-9.76	-9.85	-15.05	-10.39	8.63	-13.37	-8.68	6.31
8	18.29	1.095	-6.98	-10.95	-7.22	-7.32	-9.51	-11.10	-13.19	-8.76	3.53	-10.94	-8.25	4.37
9	16.00	2.284	-8.43	-11.15	-8.95	-8.99	-11.04	-7.96	-10.78	-10.00	-1.90	-12.83	-9.21	2.81
10	14.22	2.262	-11.64	-13.22	-11.18	-11.58	-13.19	-7.63	-9.95	-12.44	-5.04	-15.72	-11.16	2.87
11	12.80	1.909	-15.14	-16.37	-14.62	-15.21	-16.61	-14.69	-16.36	-16.16	-10.48	-19.48	-15.51	2.14
12	11.64	3.389	-14.82	-17.96	-16.09	-16.09	-18.35	-17.42	-19.96	-17.54	-13.63	-21.70	-17.35	2.25
13	10.67	8.316	-12.75	-15.60	-14.22	-14.09	-16.21	-15.17	-15.75	-15.21	-12.71	-19.86	-15.16	1.94
14	9.85	15.627	-10.47	-13.24	-11.43	-11.37	-14.20	-12.29	-14.32	-12.37	-9.96	-15.93	-12.56	1.78
15	9.14	14.254	-9.47	-12.21	-10.70	-10.64	-12.40	-10.01	-14.57	-11.64	-8.18	-13.54	-11.34	1.83
16	8.53	8.767	-10.33	-13.45	-12.37	-12.27	-11.84	-11.89	-15.31	-13.48	-9.86	-13.75	-12.45	1.54
17	8.00	5.398	-12.49	-16.08	-14.69	-14.55	-13.56	-15.92	-17.86	-16.24	-12.86	-16.58	-15.08	1.66
18	7.53	3.885	-17.90	-20.85	-19.85	-20.27	-20.82	-23.13	-26.14	-22.23	-15.99	-27.55	-21.47	3.31
19	7.11	4.156	-23.38	-29.42	-26.20	-26.71	-29.67	-30.42	-35.96	-30.50	-23.72	-35.56	-29.15	4.11
20	6.74	4.225	-28.60	-34.27	-31.13	-31.92	-37.54	-35.53	-42.03	-35.36	-28.34	-39.67	-34.44	4.31
21	6.40	4.263	-33.07	-36.66	-34.61	-35.73	-40.26	-38.24	-42.18	-37.86	-29.61	-42.50	-37.07	3.84
22	6.10	3.725	-34.03	-38.19	-37.17	-38.15	-42.36	-40.49	-43.09	-40.28	-31.37	-42.92	-38.81	3.67
23	5.82	3.369	-36.49	-40.20	-39.89	-40.61	-43.69	-42.04	-44.30	-41.82	-33.10	-45.36	-40.75	3.51
24	5.57	3.143	-37.90	-43.10	-39.84	-40.54	-43.21	-42.70	-45.16	-42.34	-35.67	-47.76	-41.82	3.32
25	5.33	3.316	-39.37	-45.72	-41.55	-41.88	-44.18	-46.52	-46.52	-44.07	-39.26	-49.90	-43.90	3.24
26	5.12	3.555	-40.88	-47.20	-44.13	-44.33	-46.72	-48.99	-47.84	-46.03	-39.26	-50.33	-45.57	3.30
27	4.92	3.419	-41.91	-47.65	-48.02	-47.21	-47.69	-50.02	-51.07	-48.44	-37.73	-50.90	-47.07	3.96
28	4.74	3.463	-43.97	-50.12	-48.93	-48.04	-48.10	-49.92	-53.55	-49.94	-39.99	-52.63	-48.52	3.78
29	4.57	3.434	-44.60	-51.90	-49.24	-48.29	-49.68	-50.95	-53.64	-50.48	-40.62	-52.80	-49.22	3.75
30	4.41	2.676	-45.14	-52.06	-49.62	-48.74	-51.47	-51.92	-53.77	-50.79	-39.71	-53.50	-49.68	4.09
31	4.27	2.221	-45.83	-54.07	-49.64	-49.30	-51.93	-51.50	-54.34	-51.98	-41.56	-53.91	-50.41	3.85

Table A.24 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 01:00 HOURS Hmo=.25 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.408	22.92	-3.89	-17.60	-7.87	-15.98	-12.97	-15.18	-12.46	14.72	-20.29	-7.02	13.71
3	64.00	.499	-8.03	-10.86	-13.62	-12.27	-14.42	-14.45	-16.45	-12.51	15.16	-14.91	-10.32	8.76
4	42.67	.379	-22.40	-11.10	-6.79	-10.80	-12.33	-14.49	-15.45	-8.58	17.30	-10.54	-9.60	9.83
5	32.00	.208	-19.01	-9.13	-.43	-5.45	-9.29	-12.05	-14.33	-4.08	17.44	-8.03	-6.49	9.40
6	25.60	.157	-14.82	-3.58	1.56	-2.91	-5.44	-8.23	-11.13	-.53	19.79	-6.39	-3.22	8.93
7	21.33	.281	-13.73	-6.35	-4.64	-7.27	-5.61	-9.95	-13.86	-5.51	10.88	-7.54	-6.38	6.53
8	18.29	.842	-10.10	-9.75	-8.43	-9.07	-8.53	-10.92	-14.75	-9.06	-2.65	-11.36	-9.46	2.88
9	16.00	2.478	-9.87	-9.85	-8.36	-8.92	-9.26	-11.48	-14.23	-9.08	-2.69	-12.65	-9.64	2.91
10	14.22	2.661	-9.80	-9.88	-8.51	-9.01	-9.75	-10.66	-13.16	-9.31	-1.82	-12.84	-9.48	2.94
11	12.80	1.760	-12.39	-15.10	-14.74	-14.47	-14.43	-12.94	-15.15	-15.48	-10.52	-15.65	-14.09	1.55
12	11.64	3.330	-16.33	-21.84	-20.07	-19.35	-20.73	-16.70	-18.22	-21.50	-19.38	-19.87	-19.40	1.76
13	10.67	6.707	-16.10	-19.63	-18.21	-18.04	-20.57	-17.80	-19.42	-19.50	-16.56	-22.85	-18.87	1.88
14	9.85	8.882	-13.11	-15.97	-14.93	-14.85	-17.69	-19.19	-20.36	-15.94	-12.89	-20.38	-16.53	2.63
15	9.14	9.471	-12.96	-15.99	-15.09	-14.91	-16.82	-18.75	-17.91	-16.18	-12.60	-18.91	-16.01	2.08
16	8.53	6.679	-13.84	-16.20	-15.33	-15.33	-17.08	-17.33	-14.90	-16.31	-12.09	-20.37	-15.88	2.10
17	8.00	2.928	-14.11	-17.20	-15.24	-15.45	-18.59	-19.29	-19.11	-16.86	-11.74	-22.64	-17.02	2.92
18	7.53	2.024	-18.69	-23.72	-20.75	-21.43	-26.17	-25.30	-30.44	-24.92	-18.25	-33.14	-24.28	4.58
19	7.11	2.297	-25.48	-28.24	-26.69	-28.12	-34.18	-33.38	-39.78	-30.31	-22.02	-38.62	-30.68	5.44
20	6.74	2.164	-28.23	-33.41	-30.38	-31.44	-36.66	-36.21	-41.10	-34.66	-26.68	-39.31	-33.81	4.44
21	6.40	1.975	-29.80	-35.54	-32.87	-33.86	-35.40	-39.01	-42.78	-37.32	-28.36	-42.03	-35.70	4.52
22	6.10	2.395	-30.93	-37.17	-35.38	-36.11	-37.70	-41.47	-43.40	-39.98	-29.51	-45.10	-37.67	4.77
23	5.82	2.643	-31.56	-39.99	-38.04	-38.42	-42.47	-42.09	-42.88	-42.95	-32.81	-47.03	-39.82	4.54
24	5.57	2.361	-34.11	-40.09	-38.92	-40.29	-42.97	-42.52	-44.84	-42.77	-32.22	-46.13	-40.49	4.22
25	5.33	2.274	-33.67	-41.58	-41.91	-43.38	-44.26	-45.18	-48.24	-45.88	-32.29	-44.58	-42.10	4.91
26	5.12	2.516	-37.19	-42.57	-45.72	-45.68	-46.23	-46.14	-50.13	-47.42	-32.39	-47.25	-44.08	5.08
27	4.92	2.614	-40.59	-44.33	-46.39	-45.91	-48.16	-45.82	-50.39	-47.86	-34.27	-49.82	-45.36	4.56
28	4.74	2.422	-42.37	-47.30	-45.37	-45.31	-47.54	-48.29	-51.34	-47.43	-36.22	-50.40	-46.16	4.11
29	4.57	1.801	-43.62	-48.03	-45.94	-46.46	-46.92	-50.11	-51.29	-47.67	-35.68	-51.05	-46.68	4.31
30	4.41	1.490	-42.37	-48.85	-47.91	-47.53	-48.62	-51.20	-51.54	-48.38	-36.43	-52.26	-47.51	4.53
31	4.27	1.165	-44.45	-50.45	-49.83	-49.32	-49.46	-50.28	-51.94	-50.50	-35.56	-54.83	-48.67	5.00

Table A.25 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 04:00 HOURS Hmo=.24 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.574	-15.89	-26.37	-8.93	-10.69	-25.16	-25.17	-17.59	-15.64	-5.32	-24.98	-17.58	7.25
3	64.00	.570	-11.68	-24.60	-5.58	-7.51	-15.33	-19.16	-18.43	-12.51	2.98	-16.89	-12.88	7.52
4	42.67	.304	-6.12	-21.53	-8.04	-8.28	-12.91	-19.70	-20.94	-12.52	5.12	-12.88	-11.80	7.67
5	32.00	.209	-12.78	-23.81	-14.45	-14.45	-11.50	-16.74	-19.14	-17.67	-1.34	-14.72	-14.67	5.55
6	25.60	.164	-16.99	-25.92	-18.71	-19.03	-12.46	-16.65	-17.69	-22.68	-2.98	-20.48	-17.37	5.89
7	21.33	.302	-15.82	-13.78	-8.93	-11.03	-8.16	-18.55	-19.47	-11.66	4.39	-11.56	-11.47	6.38
8	18.29	.885	-7.81	-7.04	-2.09	-3.57	-8.51	-15.93	-15.87	-4.05	9.01	-5.85	-6.18	6.76
9	16.00	2.068	-6.05	-6.11	-4.14	-4.69	-7.57	-13.83	-14.16	-4.98	4.88	-7.20	-6.39	5.05
10	14.22	2.586	-8.74	-8.90	-7.61	-8.05	-6.45	-9.80	-11.31	-8.42	.07	-9.55	-7.88	2.93
11	12.80	1.804	-11.82	-11.89	-10.62	-11.26	-11.28	-11.11	-14.48	-11.66	-3.94	-14.80	-11.29	2.79
12	11.64	2.669	-17.32	-17.87	-17.27	-17.81	-20.62	-18.92	-22.77	-18.42	-14.46	-22.05	-18.75	2.35
13	10.67	6.079	-16.52	-19.38	-17.64	-17.68	-21.82	-19.42	-23.31	-18.96	-16.78	-22.90	-19.44	2.34
14	9.85	8.829	-14.86	-18.45	-16.21	-16.10	-19.62	-18.98	-20.83	-17.50	-15.34	-21.75	-17.96	2.23
15	9.14	8.859	-14.65	-17.52	-15.75	-15.74	-20.91	-19.81	-20.99	-16.88	-14.55	-22.06	-17.89	2.68
16	8.53	6.667	-14.86	-17.03	-15.62	-15.79	-21.39	-18.56	-21.96	-16.81	-13.78	-21.08	-17.69	2.77
17	8.00	4.023	-16.51	-18.23	-17.52	-17.90	-20.43	-20.41	-24.73	-18.85	-14.90	-21.72	-19.12	2.67
18	7.53	2.336	-19.11	-22.91	-23.04	-23.50	-24.86	-25.57	-31.56	-25.89	-18.56	-27.33	-24.23	3.61
19	7.11	1.664	-22.28	-27.00	-26.75	-27.51	-30.29	-27.88	-37.01	-31.11	-21.72	-35.87	-28.74	4.77
20	6.74	1.378	-24.39	-25.03	-25.69	-28.21	-33.84	-32.17	-39.82	-30.55	-19.58	-42.42	-30.16	6.76
21	6.40	1.286	-23.84	-25.22	-26.36	-29.37	-41.52	-41.46	-44.54	-32.21	-18.76	-46.19	-32.94	9.25
22	6.10	1.311	-27.65	-29.03	-30.27	-33.36	-45.12	-44.07	-42.97	-37.76	-22.83	-44.18	-35.73	7.73
23	5.82	1.406	-28.49	-33.35	-36.51	-38.32	-45.38	-43.66	-41.73	-43.88	-27.21	-44.02	-38.26	6.33
24	5.57	1.500	-32.96	-37.38	-41.49	-42.33	-45.36	-43.73	-44.55	-43.81	-30.30	-45.51	-40.75	5.11
25	5.33	1.648	-34.91	-41.00	-40.23	-41.50	-44.31	-45.16	-46.43	-43.07	-34.38	-46.85	-41.79	4.15
26	5.12	2.071	-37.10	-43.49	-41.43	-41.90	-46.06	-46.53	-48.00	-44.25	-37.00	-48.40	-43.42	3.88
27	4.92	2.238	-36.53	-44.78	-41.17	-41.18	-45.74	-48.53	-50.47	-44.03	-36.79	-47.93	-43.72	4.52
28	4.74	1.718	-37.51	-45.25	-42.08	-42.62	-45.50	-48.40	-50.39	-44.92	-37.49	-49.35	-44.35	4.27
29	4.57	1.804	-40.78	-45.50	-44.96	-45.10	-48.27	-47.93	-49.89	-47.29	-37.25	-51.01	-45.80	3.95
30	4.41	1.546	-40.79	-46.46	-48.55	-47.38	-49.45	-49.30	-51.87	-49.46	-37.13	-51.33	-47.18	4.45
31	4.27	1.185	-41.85	-48.54	-47.16	-46.48	-50.26	-51.40	-52.79	-48.30	-37.98	-55.46	-48.03	4.87

Table A.26 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 07:00 HOURS Hmo=.24 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.503	-14.84	-12.58	-27.33	-23.69	-23.06	-20.77	-20.53	-21.57	11.11	-24.75	-17.92	10.51
3	64.00	.575	-12.20	-21.30	-19.06	-17.27	-18.52	-17.03	-16.58	-19.81	3.71	-23.53	-16.20	7.21
4	42.67	.369	-15.27	-18.39	-13.61	-14.28	-16.15	-14.10	-14.64	-15.05	3.56	-18.79	-13.70	5.98
5	32.00	.206	-18.30	-16.21	-10.16	-12.55	-13.74	-13.28	-15.48	-11.98	7.00	-14.64	-11.97	6.68
6	25.60	.180	-14.26	-11.82	-7.18	-9.03	-5.98	-15.66	-18.61	-8.82	8.91	-9.56	-9.23	7.11
7	21.33	.317	-7.93	-8.12	-5.74	-6.62	-8.20	-11.83	-18.42	-7.17	6.04	-7.57	-7.56	5.71
8	18.29	.875	-7.95	-6.96	-4.39	-5.40	-7.93	-8.58	-14.40	-5.58	2.33	-6.33	-6.52	3.95
9	16.00	2.140	-6.14	-6.46	-4.21	-4.79	-7.75	-9.05	-12.47	-5.15	1.88	-7.39	-6.15	3.52
10	14.22	3.312	-5.71	-7.61	-5.11	-5.40	-8.50	-9.15	-12.51	-6.23	2.38	-9.10	-6.70	3.71
11	12.80	2.894	-9.19	-12.34	-10.45	-10.43	-13.32	-12.26	-14.93	-11.64	-4.55	-12.93	-11.21	2.71
12	11.64	3.022	-14.66	-19.10	-17.67	-17.33	-19.48	-20.33	-21.04	-19.20	-15.72	-20.45	-18.50	2.00
13	10.67	5.142	-19.72	-23.05	-22.94	-22.67	-23.98	-22.87	-25.17	-24.03	-22.09	-26.80	-23.33	1.78
14	9.85	8.658	-18.80	-23.32	-22.01	-21.64	-23.65	-23.54	-28.03	-23.55	-21.84	-25.93	-23.23	2.37
15	9.14	8.636	-17.94	-24.01	-21.84	-21.42	-22.44	-23.30	-27.15	-23.86	-21.13	-24.16	-22.73	2.30
16	8.53	6.521	-19.02	-21.78	-20.98	-20.98	-22.05	-20.86	-23.74	-22.08	-18.74	-25.93	-21.62	2.00
17	8.00	4.541	-20.68	-20.39	-20.93	-21.51	-23.64	-20.14	-24.69	-21.64	-17.38	-29.87	-22.08	3.20
18	7.53	2.964	-21.64	-22.06	-21.96	-22.93	-25.86	-27.07	-30.97	-23.65	-18.33	-32.64	-24.71	4.22
19	7.11	2.183	-21.63	-26.59	-24.97	-25.67	-28.89	-32.51	-34.93	-29.30	-22.01	-33.98	-28.05	4.47
20	6.74	1.858	-24.21	-28.91	-27.14	-28.37	-31.58	-34.08	-36.72	-32.67	-24.19	-36.81	-30.47	4.42
21	6.40	1.485	-24.08	-28.18	-27.21	-29.01	-35.25	-33.24	-38.90	-32.83	-23.48	-39.34	-31.15	5.37
22	6.10	1.265	-25.84	-28.67	-29.59	-32.46	-39.13	-36.21	-40.15	-34.19	-23.53	-43.24	-33.30	6.13
23	5.82	1.168	-29.45	-31.52	-30.74	-35.47	-43.82	-40.96	-44.92	-37.69	-25.77	-45.66	-36.60	6.73
24	5.57	1.128	-23.94	-32.64	-28.20	-32.33	-41.82	-41.11	-44.17	-39.77	-27.33	-46.14	-35.75	7.41
25	5.33	1.148	-21.81	-29.01	-30.38	-34.45	-40.47	-42.33	-43.60	-41.72	-24.28	-46.75	-35.49	8.28
26	5.12	1.273	-26.24	-32.45	-39.12	-40.41	-40.91	-44.87	-44.61	-43.11	-27.15	-45.26	-38.43	6.86
27	4.92	1.491	-30.43	-40.44	-40.95	-42.80	-44.10	-46.20	-45.75	-43.52	-34.39	-45.59	-41.42	4.94
28	4.74	1.442	-36.00	-42.96	-40.52	-42.23	-44.68	-46.11	-47.85	-43.77	-35.93	-45.95	-42.60	3.86
29	4.57	1.201	-36.31	-42.77	-41.84	-41.73	-43.62	-45.17	-48.19	-44.06	-34.73	-46.50	-42.49	3.99
30	4.41	1.093	-37.76	-44.89	-45.25	-45.30	-46.32	-46.07	-49.21	-46.06	-35.86	-49.76	-44.65	4.23
31	4.27	1.030	-37.60	-47.16	-45.39	-45.38	-48.66	-47.13	-50.30	-45.13	-38.74	-50.92	-45.64	4.19

Table A.27 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 10:00 HOURS Hmo=.27 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ^{#2})	D I R E C T I O N (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.613	-13.78	-11.25	-9.40	-10.42	-15.98	-19.33	-17.76	-10.18	6.37	-16.23	-11.82	6.88
3	64.00	.679	-13.60	-12.66	-11.05	-11.87	-14.09	-12.48	-16.37	-11.67	5.68	-14.02	-11.24	5.81
4	42.67	.392	-15.63	-12.62	-11.86	-12.85	-13.01	-14.76	-19.29	-12.15	8.95	-13.79	-11.74	7.19
5	32.00	.194	-15.48	-13.38	-7.64	-9.71	-10.37	-14.68	-21.35	-9.57	9.54	-11.67	-10.46	7.62
6	25.60	.191	-19.61	-18.08	-7.22	-10.52	-8.64	-15.39	-21.59	-11.21	5.07	-11.71	-11.91	7.26
7	21.33	.271	-16.51	-15.91	-8.85	-10.90	-8.09	-11.69	-16.60	-11.87	.88	-13.22	-11.28	4.95
8	18.29	.695	-5.86	-8.76	-5.61	-5.91	-7.77	-10.18	-11.32	-6.99	4.02	-10.82	-6.92	4.16
9	16.00	1.927	-5.92	-6.92	-4.39	-4.86	-8.37	-10.01	-11.62	-5.39	4.00	-8.92	-6.24	4.08
10	14.22	2.928	-6.46	-6.60	-3.59	-4.40	-8.08	-12.23	-14.90	-4.80	3.22	-7.77	-6.56	4.67
11	12.80	2.456	-7.24	-9.75	-6.53	-6.78	-9.76	-15.73	-18.69	-8.12	-2.46	-9.50	-9.45	4.43
12	11.64	3.079	-14.42	-18.59	-16.44	-16.17	-15.38	-20.91	-22.39	-18.10	-13.57	-19.03	-17.50	2.68
13	10.67	6.012	-19.80	-23.59	-21.36	-21.34	-21.14	-26.00	-24.54	-22.99	-20.03	-27.27	-22.81	2.40
14	9.85	10.325	-22.23	-25.10	-23.27	-23.34	-22.93	-26.10	-25.08	-24.61	-22.37	-28.70	-24.37	1.89
15	9.14	10.875	-22.04	-25.64	-23.20	-23.22	-23.51	-26.22	-27.28	-24.75	-22.84	-27.83	-24.65	1.90
16	8.53	7.580	-20.70	-23.45	-21.90	-22.22	-24.20	-26.13	-27.27	-23.60	-19.63	-26.72	-23.58	2.43
17	8.00	5.072	-19.32	-20.50	-20.41	-20.96	-24.47	-23.89	-27.32	-21.66	-15.62	-24.88	-21.90	3.16
18	7.53	3.733	-17.76	-19.70	-19.64	-20.22	-24.68	-24.58	-28.69	-21.49	-15.34	-26.50	-21.86	3.94
19	7.11	3.174	-17.41	-21.09	-19.56	-20.40	-24.86	-25.24	-32.69	-23.39	-16.70	-32.31	-23.36	5.30
20	6.74	2.908	-15.86	-22.90	-18.66	-19.63	-24.82	-27.93	-40.50	-25.38	-18.33	-38.25	-25.20	7.91
21	6.40	2.486	-14.67	-23.13	-18.24	-19.97	-28.47	-31.57	-42.47	-28.04	-18.18	-41.26	-26.58	9.14
22	6.10	2.060	-14.03	-21.64	-16.31	-19.51	-46.58	-38.67	-44.79	-27.85	-15.50	-46.64	-29.12	12.95
23	5.82	2.088	-12.97	-22.32	-16.61	-25.12	-53.54	-46.57	-45.36	-40.43	-16.14	-46.49	-32.56	14.58
24	5.57	1.698	-12.53	-18.24	-22.31	-46.46	-48.77	-50.64	-43.53	-48.45	-11.65	-45.60	-34.91	15.57
25	5.33	1.222	-18.72	-19.10	-36.45	-48.01	-48.39	-48.15	-44.04	-48.07	-11.68	-44.61	-36.82	13.79
26	5.12	1.559	-21.61	-27.97	-37.50	-44.69	-50.33	-48.02	-43.49	-49.44	-19.04	-44.19	-38.68	11.05
27	4.92	1.690	-16.85	-24.39	-45.19	-53.36	-46.97	-48.64	-44.01	-48.30	-15.48	-44.51	-38.87	13.41
28	4.74	2.073	-12.58	-16.47	-80.62	-55.05	-45.41	-48.20	-43.39	-44.08	-8.06	-41.93	-39.53	20.81
29	4.57	2.361	.78	-2.85	999.99	-52.75	-43.87	-46.99	-38.00	-41.20	3.50	-39.16	-34.30	201.72
30	4.41	2.411	8.38	11.97	999.99	-51.80	-41.57	-42.61	9999.99	-39.14	12.26	9999.99	-27.91	219.88
31	4.27	2.626	8.65	33.08	999.99	-49.68	-38.94	-41.06	9999.99	-36.60	21.19	9999.99	-23.50	218.58

Table A.28 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 13:00 HOURS Hmo=.32 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.660	-30.17	-23.32	-20.72	-22.74	-9.36	-16.12	-21.54	-22.03	-13.95	-23.67	-20.36	5.53
3	64.00	.695	-14.30	-19.03	-12.42	-12.72	-12.31	-11.97	-15.38	-15.29	4.16	-15.07	-12.45	5.89
4	42.67	.398	-13.64	-16.70	-10.39	-11.16	-12.24	-11.75	-15.85	-13.10	12.01	-13.58	-10.70	7.78
5	32.00	.235	-21.79	-15.15	-7.87	-11.34	-10.48	-12.54	-18.27	-11.07	18.20	-11.71	-10.31	10.23
6	25.60	.211	-15.38	-9.60	-5.11	-7.99	-10.64	-13.37	-17.35	-7.04	20.97	-10.80	-7.74	10.17
7	21.33	.353	-5.77	-8.21	-4.22	-5.07	-9.83	-11.67	-13.04	-6.10	12.61	-10.84	-6.24	6.89
8	18.29	.760	-3.52	-7.59	-4.69	-4.53	-7.92	-10.02	-12.46	-6.12	5.43	-7.48	-5.90	4.55
9	16.00	1.963	-4.40	-7.52	-6.01	-5.67	-8.05	-8.23	-11.70	-6.83	.15	-8.93	-6.72	2.98
10	14.22	2.803	-6.23	-7.82	-6.42	-6.42	-8.64	-7.79	-9.09	-7.18	-1.11	-10.55	-7.12	2.38
11	12.80	2.036	-9.06	-11.31	-8.85	-9.00	-11.76	-9.12	-9.99	-10.23	-4.82	-14.13	-9.83	2.29
12	11.64	2.968	-15.25	-19.68	-16.72	-16.64	-21.06	-16.84	-17.64	-18.54	-17.57	-21.98	-18.19	2.02
13	10.67	6.287	-20.17	-23.82	-21.93	-21.87	-24.55	-22.23	-23.26	-23.46	-22.52	-27.25	-23.11	1.80
14	9.85	9.941	-23.27	-26.28	-25.43	-25.36	-24.45	-25.07	-26.11	-26.81	-23.84	-27.90	-25.45	1.32
15	9.14	10.396	-23.63	-26.35	-26.72	-26.62	-26.12	-23.86	-27.60	-27.92	-23.01	-27.06	-25.89	1.66
16	8.53	7.724	-21.73	-24.14	-24.10	-24.24	-25.88	-21.80	-30.06	-25.46	-20.35	-30.24	-24.80	3.14
17	8.00	6.801	-17.55	-24.01	-21.08	-20.87	-23.60	-21.31	-31.14	-23.91	-19.95	-28.94	-23.23	3.92
18	7.53	5.522	-15.60	-21.78	-18.75	-18.78	-20.91	-20.28	-35.11	-21.82	-17.29	-26.72	-21.69	5.31
19	7.11	4.009	-12.78	-15.24	-15.09	-15.48	-18.88	-17.72	-31.99	-17.49	-10.86	9999.99	-17.27	5.71
20	6.74	3.616	-7.68	-7.25	-8.36	-8.80	-20.40	-15.29	9999.99	-9.09	-3.84	9999.99	-10.08	4.90
21	6.40	3.531	-2.78	-3.01	-1.80	-.45	9999.99	9999.99	9999.99	4.30	-.04	9999.99	-.63	2.46
22	6.10	3.764	2.14	1.04	3.84	7.20	9999.99	9999.99	9999.99	15.99	4.96	9999.99	5.85	4.94
23	5.82	4.270	11.53	8.02	13.80	19.58	9999.99	9999.99	9999.99	23.68	11.40	9999.99	14.66	5.33
24	5.57	5.459	17.51	16.76	21.77	25.72	9999.99	9999.99	9999.99	27.69	18.12	9999.99	21.26	4.20
25	5.33	5.936	20.22	22.54	24.36	28.50	9999.99	9999.99	9999.99	30.29	22.23	9999.99	24.69	3.57
26	5.12	6.253	20.91	24.47	26.46	30.27	9999.99	9999.99	9999.99	30.02	23.85	9999.99	26.00	3.35
27	4.92	6.337	19.01	25.29	29.77	31.25	9999.99	9999.99	9999.99	29.82	25.74	9999.99	26.82	4.12
28	4.74	5.499	20.97	27.52	33.53	32.83	9999.99	9999.99	9999.99	32.22	27.46	9999.99	29.09	4.37
29	4.57	4.243	21.18	24.98	35.04	32.82	9999.99	9999.99	9999.99	31.65	24.81	9999.99	28.41	5.01
30	4.41	3.639	20.01	25.70	35.12	32.00	9999.99	9999.99	9999.99	29.49	23.65	9999.99	27.66	5.10
31	4.27	3.372	23.88	29.94	35.34	31.78	9999.99	9999.99	9999.99	29.23	27.96	9999.99	29.69	3.50

Table A.29 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 16:00 HOURS Hmo= .32 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.789	-26.76	-29.28	-15.52	-18.26	-19.63	-18.28	-17.87	-21.11	-7.49	-17.86	-19.21	5.64
3	64.00	.918	-17.29	-16.31	-10.63	-12.27	-14.23	-11.18	-12.89	-12.88	4.43	-14.02	-11.75	5.74
4	42.67	.540	-18.45	-13.38	-11.62	-13.41	-11.47	-12.81	-11.96	-12.27	5.77	-11.62	-11.14	5.96
5	32.00	.311	-13.30	-15.68	-12.72	-13.22	-12.33	-18.56	-16.39	-13.67	9.58	-13.15	-11.99	7.41
6	25.60	.254	-11.35	-16.31	-9.80	-10.38	-9.23	-17.77	-15.98	-12.54	9.77	-9.46	-10.34	7.32
7	21.33	.387	-10.34	-9.43	-10.53	-10.42	-9.86	-17.25	-13.76	-10.19	9.96	-9.54	-9.17	6.77
8	18.29	.834	-8.44	-8.74	-8.21	-8.43	-6.65	-14.58	-11.84	-8.72	5.10	-9.44	-8.00	4.85
9	16.00	1.543	-9.32	-11.55	-8.31	-8.94	-8.27	-12.77	-12.77	-9.92	-1.07	-11.43	-9.44	3.22
10	14.22	2.408	-8.52	-10.79	-8.04	-8.48	-11.20	-13.12	-14.44	-9.32	-2.07	-12.12	-9.81	3.28
11	12.80	2.715	-10.70	-11.23	-9.49	-10.09	-14.91	-13.21	-11.37	-10.42	-4.87	-15.71	-11.20	2.88
12	11.64	4.345	-16.08	-19.05	-17.28	-17.28	-21.34	-20.32	-18.07	-18.73	-16.34	-22.09	-18.66	1.95
13	10.67	8.243	-19.95	-23.48	-21.65	-21.53	-24.24	-25.81	-25.02	-23.09	-21.40	-27.02	-23.32	2.12
14	9.85	12.007	-22.15	-24.77	-23.92	-23.91	-25.71	-25.18	-26.36	-25.08	-22.51	-29.52	-24.91	1.99
15	9.14	11.289	-22.26	-24.98	-24.25	-24.28	-25.87	-24.30	-27.30	-25.40	-22.54	-30.59	-25.18	2.29
16	8.53	7.890	-21.19	-23.31	-23.27	-23.76	-24.16	-23.07	-28.24	-24.99	-20.18	-29.92	-24.21	2.79
17	8.00	5.944	-16.11	-19.80	-19.50	-20.30	-18.17	-21.09	-25.14	-23.34	-16.36	-24.51	-20.43	2.99
18	7.53	5.245	-7.53	-11.86	-9.68	-9.87	-14.28	-13.51	-15.66	-13.15	-8.64	9999.99	-11.57	2.62
19	7.11	4.444	-4.36	-7.04	-5.68	-5.41	-13.89	-6.41	9999.99	-6.56	-4.04	9999.99	-6.67	2.90
20	6.74	3.156	-1.78	-5.38	-4.08	-3.17	-7.76	1.11	9999.99	-4.61	-2.63	9999.99	-3.54	2.46
21	6.40	3.437	-1.96	-4.82	-3.73	-2.78	-2.03	19.69	9999.99	-3.02	-2.40	9999.99	-1.18	7.54
22	6.10	3.986	.71	-.97	.69	2.98	12.45	17.20	9999.99	6.59	1.87	9999.99	5.18	6.05
23	5.82	4.303	8.35	4.62	10.14	15.21	19.14	16.84	9999.99	15.22	6.01	9999.99	11.94	5.03
24	5.57	4.810	9.54	7.77	14.49	19.87	18.96	20.62	9999.99	19.45	9.15	9999.99	14.98	5.09
25	5.33	5.232	11.30	13.57	19.39	22.70	21.45	23.16	9999.99	23.31	14.54	9999.99	18.68	4.52
26	5.12	5.482	14.16	16.09	23.94	26.05	25.63	24.96	9999.99	24.89	16.54	9999.99	21.54	4.68
27	4.92	5.557	18.13	15.19	25.52	29.00	26.35	29.01	9999.99	24.32	15.43	9999.99	22.87	5.40
28	4.74	4.630	23.13	19.21	27.02	30.85	28.36	33.74	9999.99	24.32	17.76	9999.99	25.55	5.17
29	4.57	3.532	25.32	25.08	33.45	32.21	29.04	33.15	9999.99	28.05	23.95	9999.99	28.78	3.58
30	4.41	2.467	27.58	32.21	36.76	33.10	29.26	26.25	9999.99	31.70	30.22	9999.99	30.89	3.11
31	4.27	2.483	27.71	42.38	45.61	37.98	23.10	9999.99	9999.99	9999.99	38.27	9999.99	35.85	7.93

Table A.30 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 19:00 HOURS Hmo= .28 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.702	-13.43	-18.37	-20.97	-19.46	-23.52	-18.51	-14.04	-19.80	-2.24	-31.18	-18.16	7.10
3	64.00	.883	-24.88	-22.39	-13.74	-16.77	-18.85	-15.63	-13.76	-16.86	.97	-21.30	-16.34	6.74
4	42.67	.552	-30.48	-18.39	-11.42	-16.05	-17.21	-17.68	-19.88	-13.99	6.60	-17.47	-15.64	8.78
5	32.00	.272	-18.75	-17.41	-6.33	-8.98	-14.38	-21.06	-23.52	-10.73	11.91	-13.67	-12.35	9.55
6	25.60	.233	-11.83	-17.12	-5.39	-6.82	-8.50	-14.81	-15.63	-10.04	14.16	-8.58	-8.51	8.39
7	21.33	.369	-7.88	-15.05	-9.12	-9.05	-5.25	-11.20	-12.88	-11.63	4.33	-8.89	-8.67	5.05
8	18.29	.830	-6.39	-8.58	-5.57	-6.00	-7.20	-12.01	-14.10	-6.81	1.27	-10.44	-7.59	3.98
9	16.00	1.884	-8.72	-8.77	-7.14	-7.81	-10.36	-9.09	-10.71	-8.01	-1.99	-12.64	-8.53	2.66
10	14.22	2.754	-8.03	-8.57	-7.67	-8.00	-10.74	-9.26	-12.03	-8.35	-3.59	-12.61	-8.89	2.42
11	12.80	2.603	-9.93	-9.58	-9.46	-9.91	-12.47	-11.36	-15.79	-9.93	-5.14	-16.59	-11.02	3.14
12	11.64	3.766	-14.05	-16.82	-16.15	-15.97	-21.00	-18.77	-21.40	-17.26	-16.05	-21.98	-17.94	2.57
13	10.67	7.150	-16.49	-20.79	-19.97	-19.51	-23.10	-22.85	-28.28	-21.05	-20.20	-23.79	-21.60	2.99
14	9.85	11.545	-17.74	-23.14	-20.81	-20.51	-23.81	-22.79	-29.01	-22.59	-21.31	-25.48	-22.72	2.90
15	9.14	10.497	-17.91	-22.96	-20.44	-20.31	-24.86	-22.35	-27.47	-22.41	-20.55	-27.99	-22.73	3.07
16	8.53	6.222	-17.44	-21.98	-20.34	-20.36	-24.96	-23.25	-25.61	-22.51	-19.60	-30.67	-22.67	3.56
17	8.00	4.767	-12.63	-15.31	-14.54	-15.06	-20.08	-17.07	-25.20	-16.87	-12.24	-26.84	-17.58	4.74
18	7.53	4.432	-6.72	-5.14	-7.07	-7.73	-6.91	-14.45	-24.97	-6.60	-2.72	-13.99	-9.61	6.17
19	7.11	4.560	-1.10	-1.33	-1.28	-.65	.98	-8.07	9999.99	.22	-.19	2.01	-1.04	2.70
20	6.74	4.614	1.47	.77	2.22	3.40	9.69	-1.48	9999.99	4.30	1.97	6.41	3.19	3.11
21	6.40	4.112	4.28	2.02	5.69	7.95	9999.99	1.27	9999.99	9.31	4.46	9999.99	5.00	2.71
22	6.10	3.700	7.30	2.44	7.03	10.61	9999.99	9999.99	9999.99	10.93	5.65	9999.99	7.33	2.90
23	5.82	3.258	6.53	3.41	7.79	12.87	9999.99	9999.99	9999.99	16.24	5.60	9999.99	8.74	4.42
24	5.57	3.072	5.09	8.41	11.49	18.77	9999.99	9999.99	9999.99	26.93	8.21	9999.99	13.13	7.48
25	5.33	3.485	8.25	16.82	13.94	18.84	9999.99	9999.99	9999.99	27.76	14.95	9999.99	16.75	5.90
26	5.12	3.438	12.73	17.19	17.21	21.12	9999.99	9999.99	9999.99	24.62	16.86	9999.99	18.29	3.73
27	4.92	2.772	17.34	18.61	21.24	25.69	9999.99	9999.99	9999.99	25.48	18.33	9999.99	21.11	3.37
28	4.74	2.140	19.67	20.78	22.35	28.73	9999.99	9999.99	9999.99	24.06	19.30	9999.99	22.48	3.23
29	4.57	1.487	17.49	21.21	23.79	34.62	9999.99	9999.99	9999.99	20.81	19.03	9999.99	22.81	5.62
30	4.41	1.159	16.06	25.66	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	23.37	9999.99	21.70	4.09
31	4.27	.823	20.30	29.42	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	25.47	9999.99	25.06	3.74

Table A.31 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 04/02/94 22:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.788	-2.32	-9.73	-21.10	-15.98	-20.23	-16.42	-23.92	-16.62	.57	-19.46	-14.54	7.73
3	64.00	1.058	-11.50	-12.85	-11.46	-11.43	-12.38	-13.57	-15.44	-12.00	7.98	-15.42	-10.84	6.43
4	42.67	.619	-16.33	-17.67	-10.16	-11.72	-10.99	-13.71	-15.36	-13.13	7.01	-14.45	-11.68	6.61
5	32.00	.284	-21.52	-22.61	-13.40	-15.41	-11.68	-13.01	-14.00	-16.92	3.84	-14.81	-13.98	6.83
6	25.60	.211	-14.68	-17.77	-6.99	-9.07	-10.28	-13.43	-16.78	-10.94	7.82	-10.80	-10.32	6.84
7	21.33	.294	-7.82	-10.89	-.64	-2.56	-6.20	-8.34	-17.43	-4.46	12.50	-6.24	-5.23	7.36
8	18.29	.657	-6.98	-8.58	-3.54	-4.49	-9.24	-7.35	-12.35	-5.68	8.05	-8.81	-5.91	5.23
9	16.00	1.379	-5.16	-6.83	-3.57	-4.20	-11.10	-9.39	-9.44	-5.08	8.31	-9.22	-5.58	5.24
10	14.22	2.173	-6.65	-7.23	-5.19	-5.89	-14.96	-11.47	-12.98	-6.11	5.25	-12.74	-7.80	5.49
11	12.80	2.550	-10.74	-12.28	-10.52	-10.88	-15.93	-15.07	-16.67	-11.58	-4.35	-17.63	-12.57	3.73
12	11.64	3.748	-15.09	-18.62	-16.34	-16.36	-17.64	-18.15	-18.70	-17.84	-12.97	-23.26	-17.50	2.56
13	10.67	6.516	-17.48	-19.94	-18.68	-18.70	-20.72	-23.08	-24.67	-19.79	-16.28	-24.25	-20.36	2.69
14	9.85	11.023	-19.74	-23.43	-21.20	-21.09	-23.94	-23.66	-25.62	-22.54	-19.43	-27.98	-22.86	2.52
15	9.14	11.368	-20.76	-25.35	-22.82	-22.68	-25.25	-24.88	-27.38	-24.42	-19.72	-28.16	-24.14	2.55
16	8.53	7.578	-20.68	-26.20	-24.44	-24.18	-25.70	-26.97	-30.13	-26.73	-22.09	-27.56	-25.47	2.60
17	8.00	5.310	-19.43	-21.32	-21.53	-22.05	-22.77	-24.17	-28.95	-23.95	-17.39	-27.42	-22.90	3.28
18	7.53	3.874	-12.35	-13.71	-13.24	-13.88	-20.57	-20.54	-28.21	-15.55	-9.44	-20.61	-16.80	5.29
19	7.11	3.685	-5.89	-10.09	-7.34	-7.26	-9.16	-15.78	9999.99	-9.98	-6.39	9999.99	-8.99	2.97
20	6.74	3.488	-1.51	-5.11	-2.75	-2.32	-2.18	-3.59	9999.99	-3.78	-1.95	9999.99	-2.90	1.11
21	6.40	2.982	.17	.78	.87	1.23	4.08	.02	9999.99	4.41	4.85	9999.99	2.05	1.90
22	6.10	2.378	2.54	5.52	4.42	5.59	5.99	6.46	9999.99	10.62	8.58	9999.99	6.22	2.31
23	5.82	2.257	4.14	9.25	9.05	12.41	15.51	9999.99	9999.99	20.41	11.19	9999.99	11.71	4.80
24	5.57	2.386	4.43	5.78	9.56	15.77	9999.99	9999.99	9999.99	22.62	8.75	9999.99	11.14	6.26
25	5.33	2.350	8.60	3.45	11.92	18.23	9999.99	9999.99	9999.99	19.25	6.54	9999.99	11.33	5.82
26	5.12	1.978	7.65	4.02	10.79	9999.99	9999.99	9999.99	9999.99	26.39	6.97	9999.99	11.13	7.91
27	4.92	1.489	3.23	7.50	9999.99	9999.99	9999.99	9999.99	9999.99	32.01	8.19	9999.99	12.65	11.29
28	4.74	1.264	1.72	13.35	9999.99	9999.99	9999.99	9999.99	9999.99	31.49	11.82	9999.99	14.56	10.73
29	4.57	.954	3.95	15.86	9999.99	9999.99	9999.99	9999.99	9999.99	29.78	13.85	9999.99	15.85	9.21
30	4.41	.745	3.11	9.62	9999.99	9999.99	9999.99	9999.99	9999.99	30.61	7.95	9999.99	12.76	10.54
31	4.27	.477	-.81	9.64	9999.99	9999.99	9999.99	9999.99	9999.99	30.87	6.70	9999.99	11.53	11.76

Table A.32 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 01:00 HOURS Hmo=.22 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.677	-34.48	-17.00	-8.11	-14.80	-15.31	-16.12	-20.59	-11.13	.57	-18.25	-15.31	8.54
3	64.00	.939	-16.76	-13.43	-7.86	-10.06	-12.38	-12.48	-14.81	-9.84	9.82	-12.92	-10.11	7.06
4	42.67	.538	-10.16	-14.40	-9.09	-9.07	-11.95	-13.61	-13.47	-11.27	12.81	-12.52	-9.33	7.57
5	32.00	.235	-14.69	-17.22	-8.20	-9.93	-10.83	-12.05	-13.99	-11.78	9.19	-13.04	-10.29	6.92
6	25.60	.188	-15.24	-12.04	-3.75	-7.05	-9.51	-6.03	-8.15	-7.26	8.38	-9.96	-7.08	5.98
7	21.33	.260	-7.88	-10.77	-8.09	-7.92	-7.56	-7.11	-9.49	-9.41	5.31	-10.14	-7.32	4.36
8	18.29	.519	-4.35	-11.75	-9.39	-8.22	-5.07	-10.39	-12.66	-10.58	-1.90	-9.60	-8.39	3.32
9	16.00	1.219	-8.34	-12.58	-10.99	-10.50	-9.76	-11.25	-11.72	-12.12	-8.02	-12.36	-10.76	1.53
10	14.22	2.109	-10.85	-12.02	-11.32	-11.47	-12.24	-12.10	-11.66	-12.12	-6.61	-14.87	-11.53	1.93
11	12.80	2.248	-13.95	-12.56	-12.40	-13.18	-13.64	-10.92	-11.34	-13.07	-5.42	-17.78	-12.43	2.93
12	11.64	3.229	-18.03	-18.14	-18.29	-18.80	-17.02	-16.87	-18.73	-19.24	-13.89	-20.92	-17.99	1.74
13	10.67	6.149	-19.63	-20.88	-21.26	-21.36	-22.23	-23.26	-25.27	-21.87	-17.12	-24.69	-21.76	2.25
14	9.85	9.728	-22.68	-23.84	-23.42	-23.74	-24.82	-25.60	-27.95	-24.29	-18.92	-28.17	-24.34	2.51
15	9.14	8.416	-23.70	-24.93	-24.33	-24.75	-25.35	-25.98	-28.22	-25.41	-20.20	-28.55	-25.14	2.22
16	8.53	5.812	-20.84	-23.25	-21.96	-22.22	-24.34	-26.48	-28.55	-23.45	-18.63	-27.25	-23.70	2.89
17	8.00	4.156	-18.67	-24.21	-21.96	-21.90	-22.73	-26.66	-30.54	-24.44	-19.44	-26.16	-23.67	3.36
18	7.53	2.889	-15.88	-22.22	-19.47	-19.86	-21.80	-24.65	-27.51	-22.95	-17.00	-25.99	-21.73	3.56
19	7.11	2.139	-11.06	-14.72	-14.00	-15.33	-14.18	-16.39	-21.84	-17.68	-8.57	-20.71	-15.45	3.81
20	6.74	1.778	-6.21	-6.54	-8.08	-9.89	-6.47	-13.72	9999.99	-10.40	-1.54	9999.99	-7.86	3.38
21	6.40	1.657	-.99	-1.99	-1.60	-1.83	9999.99	9999.99	9999.99	-2.03	1.72	9999.99	-1.12	1.32
22	6.10	1.420	2.45	-1.16	2.15	5.70	9999.99	9999.99	9999.99	4.08	2.70	9999.99	2.66	2.09
23	5.82	1.403	1.37	-3.79	-.23	9999.99	9999.99	9999.99	9999.99	9999.99	.67	9999.99	-.50	1.99
24	5.57	1.215	4.06	-1.35	4.06	9999.99	9999.99	9999.99	9999.99	9999.99	2.86	9999.99	2.41	2.22
25	5.33	1.038	.80	-3.13	-.03	9999.99	9999.99	9999.99	9999.99	9999.99	.49	9999.99	-.47	1.56
26	5.12	1.092	-4.62	-10.03	-8.53	9999.99	9999.99	9999.99	9999.99	9999.99	-5.59	9999.99	-7.19	2.18
27	4.92	.870	-6.24	-12.01	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-6.38	9999.99	-8.21	2.69
28	4.74	.480	-6.00	-16.27	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-11.17	9999.99	-11.14	4.19
29	4.57	.367	-9.27	-21.52	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-15.54	9999.99	-15.45	5.00
30	4.41	.362	-12.79	-23.76	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-20.82	9999.99	-19.12	4.64
31	4.27	.300	-11.31	-20.84	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-18.12	9999.99	-16.76	4.01

Table A.33 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 04:00 HOURS Hmo=.22 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.786	-19.09	-18.95	-9.17	-11.93	-19.55	-18.06	-13.07	-13.04	10.93	-19.35	-13.19	8.77
3	64.00	1.163	-23.04	-19.62	-8.86	-12.36	-15.41	-9.08	-10.24	-12.81	8.51	-16.18	-11.94	8.07
4	42.67	.649	-18.22	-18.00	-6.94	-9.69	-12.50	-7.70	-9.47	-11.03	12.18	-13.42	-9.52	8.09
5	32.00	.256	-15.75	-14.43	-8.66	-10.37	-12.96	-12.21	-15.08	-11.07	11.14	-12.10	-10.20	7.39
6	25.60	.227	-13.78	-15.31	-10.20	-11.07	-12.06	-14.08	-17.58	-12.60	9.01	-13.64	-11.17	7.00
7	21.33	.319	-13.50	-13.18	-10.53	-11.30	-10.35	-13.72	-15.91	-11.92	7.21	-15.25	-10.87	6.27
8	18.29	.676	-13.14	-12.60	-8.84	-10.18	-9.48	-10.90	-11.20	-10.31	5.20	-12.47	-9.41	5.04
9	16.00	1.766	-9.91	-12.48	-9.24	-9.60	-12.81	-9.01	-9.59	-10.68	-1.14	-13.73	-9.82	3.29
10	14.22	2.783	-11.64	-14.11	-12.30	-12.31	-13.82	-11.26	-11.28	-13.32	-6.16	-15.82	-12.20	2.43
11	12.80	2.570	-12.53	-13.54	-12.26	-12.53	-11.76	-11.32	-12.68	-13.29	-7.62	-15.01	-12.25	1.82
12	11.64	3.092	-13.04	-14.49	-14.64	-14.59	-13.36	-12.71	-14.28	-15.35	-11.07	-17.02	-14.05	1.54
13	10.67	5.548	-15.82	-18.63	-17.88	-17.83	-19.60	-18.24	-21.43	-19.21	-15.13	-21.30	-18.51	1.94
14	9.85	7.511	-18.44	-21.73	-20.63	-20.70	-23.61	-21.28	-25.26	-22.39	-18.11	-25.66	-21.78	2.41
15	9.14	6.981	-19.42	-22.44	-21.91	-21.94	-24.84	-24.82	-28.03	-23.28	-19.32	-27.00	-23.30	2.76
16	8.53	5.096	-19.68	-21.65	-20.89	-21.18	-25.09	-25.09	-27.24	-22.00	-17.74	-27.81	-22.84	3.14
17	8.00	3.601	-20.45	-22.15	-21.33	-21.83	-25.24	-26.84	-26.59	-22.85	-17.27	-28.25	-23.28	3.22
18	7.53	2.834	-19.49	-21.55	-20.94	-21.39	-24.01	-24.96	-26.17	-23.19	-16.49	-29.06	-22.72	3.38
19	7.11	1.834	-16.07	-16.52	-16.27	-17.10	-21.38	-21.33	-29.78	-18.49	-11.24	-29.76	-19.79	5.68
20	6.74	1.286	-10.36	-12.72	-11.87	-13.45	-22.92	-23.49	-32.92	-16.63	-7.86	-27.98	-18.01	7.91
21	6.40	1.450	-8.82	-16.66	-14.11	-17.04	-24.62	-24.73	-32.00	-27.03	-11.68	-39.96	-21.65	9.26
22	6.10	1.991	-8.02	-18.93	-15.37	-19.11	-32.36	-33.41	-36.91	-40.50	-13.65	-44.75	-26.30	12.09
23	5.82	1.953	-10.46	-19.28	-16.44	-23.52	-37.39	-45.70	-42.04	-42.07	-13.28	-39.93	-29.02	12.97
24	5.57	1.496	-12.41	-21.55	-18.01	-25.25	-41.28	-44.05	-39.89	-39.26	-15.54	-38.26	-29.57	11.53
25	5.33	1.435	-16.72	-24.40	-28.63	-35.60	-42.60	-39.68	-37.03	-40.03	-18.44	-38.43	-32.18	8.95
26	5.12	1.210	-22.79	-26.29	-33.57	-40.39	-40.39	-39.67	-36.97	-41.09	-21.16	-37.19	-33.97	7.30
27	4.92	.956	-25.87	-30.69	-35.95	-41.39	-39.50	-41.32	-37.50	-39.77	-24.26	-40.24	-35.66	6.09
28	4.74	.734	-21.80	-32.91	-39.77	-41.54	-39.04	-40.24	-38.19	-38.15	-25.67	-41.83	-35.93	6.58
29	4.57	.563	-20.50	-32.53	-43.34	-41.83	-38.54	-39.91	-40.09	-38.16	-25.80	-41.08	-36.20	7.16
30	4.41	.429	-23.91	-33.93	-39.59	-38.35	-41.17	-41.38	-43.76	-37.53	-26.36	-42.58	-36.87	6.45
31	4.27	.320	-23.01	-37.45	-36.72	-35.19	-37.74	-39.79	-43.56	-35.98	-31.50	9999.99	-35.67	5.44

Table A.34 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 07:00 HOURS Hmo=.24 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² *2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.940	-21.97	-23.52	-18.22	-19.09	-23.60	-18.80	-24.55	-20.18	-7.49	-22.93	-20.05	4.69
3	64.00	1.073	-20.15	-19.72	-14.89	-16.18	-18.00	-12.99	-15.96	-16.93	.78	-20.22	-15.44	5.85
4	42.67	.742	-23.50	-19.17	-12.89	-15.57	-15.56	-12.57	-14.17	-15.45	5.48	-17.51	-14.12	7.20
5	32.00	.320	-25.16	-19.75	-15.15	-17.84	-15.38	-16.50	-18.94	-16.97	5.80	-17.52	-15.79	7.68
6	25.60	.248	-17.63	-17.35	-15.20	-16.30	-18.20	-15.70	-19.98	-16.12	4.43	-20.35	-15.28	6.76
7	21.33	.470	-11.83	-13.85	-13.54	-13.72	-11.62	-10.40	-16.62	-14.13	.85	-15.10	-12.01	4.60
8	18.29	.817	-11.81	-11.93	-9.89	-10.79	-7.39	-7.92	-14.44	-11.24	1.22	-11.85	-9.61	4.10
9	16.00	1.436	-5.58	-8.79	-5.96	-6.03	-4.02	-7.12	-12.05	-7.58	-.74	-6.94	-6.48	2.80
10	14.22	2.596	-5.41	-9.66	-7.23	-6.99	-7.80	-8.06	-11.17	-8.50	-3.32	-8.76	-7.69	2.07
11	12.80	3.176	-8.28	-10.97	-9.36	-9.30	-10.79	-11.27	-11.14	-10.14	-4.16	-13.24	-9.87	2.30
12	11.64	3.282	-12.31	-14.86	-13.86	-13.77	-14.84	-17.15	-15.61	-14.61	-10.39	-19.15	-14.66	2.29
13	10.67	5.494	-16.10	-18.66	-17.17	-17.33	-21.29	-20.38	-22.19	-18.59	-15.37	-24.62	-19.17	2.77
14	9.85	7.325	-18.99	-21.89	-20.72	-20.82	-23.10	-23.46	-25.74	-22.31	-19.36	-26.25	-22.26	2.32
15	9.14	7.712	-20.74	-24.16	-23.80	-23.55	-24.19	-23.74	-25.68	-25.12	-23.10	-28.60	-24.27	1.91
16	8.53	7.312	-20.17	-25.05	-23.53	-23.06	-26.22	-25.95	-28.91	-24.99	-22.41	-29.42	-24.97	2.71
17	8.00	4.858	-19.79	-23.70	-22.56	-22.36	-26.11	-26.94	-28.48	-23.88	-19.96	-29.65	-24.34	3.20
18	7.53	3.039	-23.21	-22.38	-24.53	-25.28	-26.18	-26.34	-26.22	-25.09	-18.52	-29.56	-24.73	2.78
19	7.11	2.690	-20.30	-23.42	-24.41	-24.99	-27.20	-26.97	-28.98	-26.85	-20.06	-29.19	-25.24	3.07
20	6.74	1.911	-16.82	-22.06	-21.90	-22.67	-26.93	-26.04	-33.95	-26.16	-18.75	-34.28	-24.95	5.50
21	6.40	1.465	-15.58	-19.29	-18.78	-20.47	-25.30	-28.93	-33.39	-24.38	-17.05	-40.24	-24.32	7.47
22	6.10	1.492	-13.04	-18.85	-18.91	-21.85	-28.51	-31.90	-34.74	-28.15	-15.36	-37.68	-24.90	8.04
23	5.82	1.746	-14.50	-22.37	-22.46	-26.39	-31.20	-34.92	-36.65	-34.04	-16.87	-35.27	-27.48	7.69
24	5.57	2.179	-17.54	-29.31	-26.54	-29.91	-35.29	-35.56	-35.44	-36.79	-25.09	-37.07	-30.86	6.07
25	5.33	2.241	-22.33	-29.95	-32.49	-35.77	-38.73	-36.33	-37.13	-37.24	-26.98	-38.57	-33.56	5.24
26	5.12	2.059	-25.94	-30.72	-36.65	-37.65	-37.62	-35.96	-36.63	-37.90	-26.64	-39.48	-34.52	4.65
27	4.92	1.904	-25.61	-33.08	-35.86	-35.68	-37.28	-37.99	-38.54	-38.42	-27.52	-40.66	-35.07	4.68
28	4.74	1.330	-25.25	-35.49	-34.11	-34.83	-39.72	-38.78	-41.33	-36.81	-30.90	-40.20	-35.75	4.63
29	4.57	1.094	-27.37	-38.74	-38.54	-37.73	-41.63	-39.15	-39.81	-38.33	-34.45	-41.59	-37.74	3.96
30	4.41	1.025	-31.20	-43.64	-40.99	-39.09	-42.69	-39.84	-41.60	-41.49	-39.17	-46.41	-40.61	3.77
31	4.27	.767	-34.38	-44.38	-40.55	-39.68	-43.95	-41.75	-43.45	-42.85	-40.97	-47.48	-41.94	3.30

Table A.35 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 10:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm* ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.764	-8.55	-22.92	-22.11	-18.44	-20.08	-20.16	-17.92	-21.96	-15.48	-20.02	-18.77	4.00
3	64.00	1.240	-8.90	-18.54	-15.01	-13.43	-16.33	-12.59	-11.66	-16.33	.60	-19.66	-13.20	5.52
4	42.67	.800	-13.87	-16.06	-11.42	-12.13	-13.76	-11.55	-11.91	-13.10	7.84	-16.78	-11.31	6.60
5	32.00	.364	-13.56	-12.81	-9.60	-10.98	-14.58	-17.18	-17.51	-10.51	10.53	-16.47	-11.32	7.73
6	25.60	.295	-13.57	-12.54	-10.29	-11.67	-13.62	-14.47	-18.30	-10.96	8.94	-17.19	-11.41	7.19
7	21.33	.325	-14.71	-11.36	-8.07	-10.14	-10.03	-11.84	-14.99	-9.37	6.83	-13.51	-9.74	5.93
8	18.29	.647	-10.49	-10.17	-5.44	-7.02	-7.41	-11.85	-14.66	-7.35	4.17	-8.06	-7.84	4.75
9	16.00	1.285	-9.87	-10.34	-7.63	-8.36	-11.17	-10.29	-11.96	-9.01	-3.20	-11.01	-9.28	2.38
10	14.22	2.392	-9.65	-10.66	-8.93	-9.19	-13.91	-13.39	-12.64	-9.84	-5.95	-13.99	-10.81	2.49
11	12.80	2.880	-8.28	-11.10	-8.24	-8.32	-11.77	-12.82	-12.05	-9.58	-4.24	-11.81	-9.82	2.48
12	11.64	3.293	-8.72	-11.39	-8.54	-8.72	-14.19	-14.81	-18.07	-9.92	-4.24	-12.56	-11.12	3.75
13	10.67	5.147	-15.06	-17.04	-15.04	-15.48	-22.07	-21.01	-24.76	-16.46	-12.15	-23.34	-18.24	4.01
14	9.85	8.769	-20.42	-23.76	-21.42	-21.64	-25.29	-24.65	-26.80	-23.21	-19.62	-28.46	-23.53	2.69
15	9.14	11.820	-22.53	-26.35	-25.23	-24.96	-28.52	-26.28	-29.03	-26.46	-22.93	-28.53	-26.08	2.13
16	8.53	10.040	-23.39	-26.85	-26.49	-26.15	-28.47	-25.89	-29.96	-27.45	-23.36	-29.00	-26.70	2.07
17	8.00	6.783	-24.37	-26.01	-26.17	-26.28	-27.90	-26.03	-30.29	-27.02	-22.28	-30.39	-26.67	2.33
18	7.53	5.529	-24.64	-27.05	-26.77	-26.79	-28.56	-29.18	-31.62	-27.85	-24.23	-31.04	-27.77	2.30
19	7.11	4.203	-25.24	-28.58	-27.13	-27.26	-29.28	-31.21	-32.70	-28.77	-25.84	-31.94	-28.79	2.40
20	6.74	3.439	-27.46	-28.97	-28.19	-28.95	-31.85	-32.55	-34.81	-29.76	-25.27	-33.35	-30.11	2.80
21	6.40	2.234	-26.53	-27.54	-27.76	-29.15	-33.24	-33.66	-35.93	-30.39	-22.26	-35.84	-30.23	4.20
22	6.10	1.582	-21.79	-26.73	-27.72	-28.95	-31.90	-36.65	-37.86	-33.89	-21.93	-38.02	-30.55	5.79
23	5.82	1.322	-22.64	-25.28	-26.41	-29.36	-32.20	-36.34	-37.60	-31.91	-22.98	-38.11	-30.28	5.57
24	5.57	1.282	-25.29	-27.07	-28.19	-32.69	-34.03	-34.98	-36.51	-33.01	-24.56	-37.84	-31.42	4.52
25	5.33	1.442	-25.45	-28.54	-28.36	-33.22	-38.00	-38.12	-36.83	-34.72	-24.70	-38.10	-32.60	5.11
26	5.12	1.667	-25.41	-30.50	-32.95	-36.23	-39.59	-39.44	-38.55	-37.36	-25.41	-38.85	-34.43	5.30
27	4.92	1.599	-27.56	-32.24	-40.42	-39.84	-39.24	-40.60	-40.16	-39.53	-26.96	-40.55	-36.72	5.28
28	4.74	1.391	-25.55	-33.03	-41.94	-39.26	-38.85	-43.53	-41.63	-39.01	-28.37	-40.65	-37.19	5.79
29	4.57	1.107	-29.00	-35.62	-38.06	-36.58	-38.73	-42.68	-42.31	-38.30	-30.97	-42.35	-37.46	4.42
30	4.41	1.050	-33.07	-39.43	-37.85	-36.86	-38.46	-38.57	-42.68	-39.54	-35.99	-43.46	-38.59	2.88
31	4.27	.785	-33.92	-37.14	-37.01	-36.47	-39.83	-37.52	-43.04	-37.85	-32.39	-44.09	-37.93	3.44

Table A.36 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 13:00 HOURS Hmo=.30 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.741	-27.13	-12.20	-18.34	-20.76	-14.00	-11.59	-15.40	-16.02	8.66	-24.98	-15.23	9.34
3	64.00	1.238	-16.41	-9.63	-5.58	-8.34	-12.74	-7.54	-10.64	-7.05	17.20	-14.23	-7.57	8.84
4	42.67	.878	-13.17	-13.63	-4.92	-7.09	-12.89	-8.72	-11.09	-8.22	16.51	-13.40	-7.73	8.55
5	32.00	.351	-12.78	-19.21	-10.14	-11.20	-13.21	-13.96	-15.97	-13.75	11.83	-15.36	-11.43	8.10
6	25.60	.230	-9.14	-16.19	-11.59	-11.70	-9.23	-18.35	-20.62	-13.59	10.64	-12.17	-11.24	8.10
7	21.33	.360	-10.51	-14.73	-11.55	-11.56	-9.54	-14.56	-16.75	-13.03	8.58	-11.24	-10.52	6.69
8	18.29	.722	-9.66	-9.88	-9.01	-9.28	-11.97	-9.85	-12.18	-9.66	2.72	-12.65	-9.15	4.14
9	16.00	1.389	-9.23	-8.14	-6.45	-7.34	-9.80	-9.10	-12.46	-7.51	-.29	-10.71	-8.10	3.09
10	14.22	2.812	-9.46	-8.70	-7.28	-8.07	-11.48	-9.13	-12.98	-8.19	-1.19	-13.22	-8.97	3.25
11	12.80	3.783	-10.00	-8.68	-7.07	-7.95	-12.44	-10.48	-13.41	-7.89	-.74	-14.16	-9.29	3.67
12	11.64	4.298	-10.76	-11.94	-9.78	-10.16	-14.82	-15.82	-16.82	-10.80	-5.41	-16.84	-12.31	3.51
13	10.67	6.945	-16.30	-19.77	-17.02	-17.15	-21.29	-20.92	-20.15	-18.55	-14.71	-23.94	-18.98	2.62
14	9.85	10.709	-20.86	-23.02	-21.23	-21.42	-25.26	-25.99	-25.80	-22.39	-18.92	-27.81	-23.27	2.67
15	9.14	12.238	-22.26	-25.51	-23.55	-23.46	-26.82	-28.76	-29.25	-24.88	-22.21	-28.72	-25.54	2.58
16	8.53	10.886	-24.41	-26.82	-26.02	-25.96	-26.95	-29.06	-29.34	-26.93	-23.16	-31.48	-27.01	2.31
17	8.00	8.538	-26.47	-27.35	-27.88	-27.88	-27.34	-28.49	-30.36	-28.25	-22.78	-31.33	-27.81	2.17
18	7.53	7.425	-26.41	-27.56	-27.78	-27.89	-29.25	-27.86	-29.90	-28.44	-23.15	-31.02	-27.93	2.02
19	7.11	7.864	-24.68	-28.42	-26.73	-26.70	-29.75	-31.04	-31.51	-28.31	-24.33	-31.27	-28.27	2.50
20	6.74	6.854	-24.28	-29.95	-27.52	-27.23	-28.87	-31.43	-32.94	-29.94	-27.05	-31.66	-29.09	2.48
21	6.40	4.908	-26.07	-29.60	-29.23	-29.28	-29.34	-31.22	-32.58	-31.26	-26.23	-33.47	-29.83	2.30
22	6.10	3.201	-25.93	-28.49	-29.44	-30.27	-31.81	-30.90	-33.22	-32.25	-24.35	-35.43	-30.21	3.16
23	5.82	2.930	-23.59	-25.49	-27.92	-29.77	-33.20	-29.77	-34.92	-32.36	-21.06	-36.05	-29.42	4.68
24	5.57	2.999	-22.11	-25.44	-28.18	-29.43	-30.78	-32.21	-34.36	-31.13	-20.52	-33.68	-28.79	4.48
25	5.33	2.446	-22.69	-28.28	-26.73	-27.39	-30.84	-32.80	-34.37	-29.67	-23.66	-34.34	-29.08	3.90
26	5.12	2.000	-25.12	-30.14	-27.59	-28.93	-31.25	-32.85	-34.80	-30.32	-25.37	-34.65	-30.10	3.26
27	4.92	1.874	-26.29	-31.61	-30.74	-31.75	-33.59	-34.55	-36.88	-33.39	-27.21	-35.49	-32.15	3.23
28	4.74	1.631	-26.76	-33.48	-31.21	-31.46	-35.56	-36.89	-36.98	-33.99	-28.52	-35.55	-33.04	3.31
29	4.57	1.182	-28.53	-34.71	-31.62	-31.62	-36.00	-38.31	-36.94	-34.62	-28.11	-36.35	-33.68	3.35
30	4.41	.905	-30.75	-36.04	-35.52	-35.16	-36.03	-36.95	-39.06	-36.82	-30.02	-38.25	-35.46	2.78
31	4.27	.703	-31.64	-37.69	-36.70	-36.38	-35.65	-38.04	-40.05	-37.97	-31.07	-38.28	-36.35	2.75

Table A.37 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 16:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.698	-10.29	-10.11	-14.42	-13.81	-15.24	-22.07	-22.10	-12.75	9.37	-22.54	-13.45	8.82
3	64.00	1.312	-10.63	-15.83	-10.69	-11.03	-14.23	-14.63	-14.46	-12.59	4.34	-16.26	-11.62	5.67
4	42.67	1.137	-11.32	-16.06	-9.53	-10.24	-11.92	-14.39	-13.95	-11.95	7.60	-14.26	-10.63	6.37
5	32.00	.469	-16.10	-16.69	-11.44	-12.91	-11.73	-14.21	-15.74	-13.38	10.01	-14.65	-11.73	7.42
6	25.60	.262	-18.19	-15.35	-9.28	-11.93	-15.30	-16.20	-21.35	-11.79	8.73	-17.50	-12.86	7.91
7	21.33	.421	-8.11	-12.87	-5.83	-6.45	-10.06	-15.29	-21.15	-8.86	8.20	-10.65	-9.12	7.20
8	18.29	.866	-9.56	-13.03	-8.96	-9.53	-10.10	-10.30	-16.30	-10.86	1.66	-11.41	-9.85	4.35
9	16.00	1.651	-10.98	-11.78	-9.78	-10.35	-9.30	-9.94	-13.19	-10.84	-3.18	-12.41	-10.18	2.60
10	14.22	2.935	-9.57	-10.68	-8.47	-8.91	-8.82	-10.08	-13.04	-9.48	-2.72	-11.52	-9.33	2.57
11	12.80	3.338	-7.51	-10.33	-7.75	-7.84	-9.89	-11.20	-13.43	-8.94	-3.32	-11.95	-9.22	2.69
12	11.64	3.617	-9.84	-13.21	-11.20	-11.14	-13.86	-17.32	-16.78	-12.52	-8.75	-16.03	-13.06	2.79
13	10.67	6.422	-17.17	-20.73	-19.53	-19.34	-22.19	-23.64	-22.77	-20.95	-17.01	-23.83	-20.72	2.33
14	9.85	8.746	-20.13	-22.88	-21.99	-21.90	-25.10	-27.65	-26.19	-23.08	-19.09	-26.42	-23.44	2.68
15	9.14	9.123	-21.03	-24.86	-23.41	-23.18	-25.81	-28.32	-25.44	-24.75	-21.23	-26.95	-24.50	2.21
16	8.53	7.960	-22.07	-26.57	-24.35	-24.16	-25.94	-27.03	-25.19	-26.17	-23.55	-30.02	-25.50	2.08
17	8.00	5.867	-23.01	-25.37	-23.34	-23.58	-27.43	-27.32	-27.68	-24.86	-21.31	-30.80	-25.47	2.69
18	7.53	5.771	-24.72	-27.09	-25.84	-25.81	-28.37	-28.89	-31.33	-26.96	-24.35	-30.87	-27.42	2.29
19	7.11	5.946	-25.39	-28.50	-27.86	-27.61	-30.33	-31.96	-35.14	-29.00	-25.81	-31.11	-29.27	2.80
20	6.74	4.666	-26.95	-30.52	-29.13	-29.17	-33.22	-32.55	-34.74	-30.95	-26.77	-33.12	-30.71	2.58
21	6.40	3.156	-28.00	-32.32	-30.40	-30.50	-34.11	-33.78	-36.15	-32.58	-28.92	-35.68	-32.24	2.62
22	6.10	2.779	-28.62	-33.27	-32.25	-32.22	-36.00	-35.10	-38.15	-33.72	-30.01	-38.13	-33.75	3.01
23	5.82	2.095	-27.16	-31.97	-31.26	-31.42	-36.29	-37.42	-38.26	-32.87	-28.04	-38.01	-33.27	3.84
24	5.57	1.564	-26.97	-30.50	-31.59	-31.95	-33.26	-35.53	-35.18	-33.01	-26.40	-36.39	-32.08	3.22
25	5.33	1.235	-26.24	-28.28	-31.70	-31.66	-31.19	-31.35	-33.32	-32.40	-23.64	-34.00	-30.38	3.13
26	5.12	1.121	-21.01	-27.05	-30.35	-29.18	-32.25	-30.17	-31.17	-30.82	-23.21	-31.64	-28.69	3.59
27	4.92	1.012	-18.80	-29.47	-30.26	-28.55	-32.74	-31.15	-29.07	-31.08	-26.51	-31.10	-28.88	3.74
28	4.74	.828	-20.17	-28.39	-29.60	-27.74	-31.52	-30.28	-29.33	-29.40	-24.65	-31.24	-28.24	3.26
29	4.57	.717	-24.12	-29.45	-32.20	-30.43	-31.74	-29.41	-29.97	-31.72	-25.18	-31.75	-29.60	2.66
30	4.41	.536	-29.33	-32.60	-33.62	-33.20	-32.29	-30.46	-31.10	-34.77	-29.81	-38.99	-32.62	2.69
31	4.27	.419	-30.77	-33.81	-31.83	-31.91	-30.98	-30.49	-30.13	-32.94	-31.09	-36.46	-32.04	1.82

Table A.38 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 19:00 HOURS Hmo=.24 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.950	-30.55	-23.32	-24.04	-26.00	-26.18	-15.46	-15.40	-23.99	-8.91	-25.39	-21.93	6.21
3	64.00	1.460	-20.69	-20.90	-12.12	-14.47	-16.96	-13.61	-12.38	-15.47	2.53	-16.62	-14.09	6.24
4	42.67	1.071	-11.90	-15.93	-7.57	-8.81	-12.33	-13.27	-12.59	-10.88	8.89	-12.19	-9.69	6.56
5	32.00	.436	-8.45	-15.39	-6.91	-7.71	-12.47	-15.62	-16.27	-10.18	8.75	-12.78	-9.73	6.94
6	25.60	.332	-12.94	-14.32	-7.99	-9.72	-12.20	-16.57	-17.74	-10.49	10.53	-12.24	-10.41	7.52
7	21.33	.460	-9.13	-12.71	-10.41	-10.32	-11.82	-8.78	-9.67	-11.58	5.07	-12.94	-9.24	4.96
8	18.29	.830	-11.03	-14.41	-11.22	-11.44	-10.78	-9.82	-11.35	-12.78	-.08	-12.22	-10.52	3.67
9	16.00	1.338	-8.98	-11.04	-7.83	-8.30	-12.02	-10.51	-12.58	-9.55	-3.86	-12.04	-9.67	2.48
10	14.22	2.775	-7.69	-9.31	-7.32	-7.63	-13.50	-10.12	-14.36	-8.39	-3.49	-13.18	-9.50	3.20
11	12.80	3.570	-9.96	-11.80	-10.41	-10.52	-14.96	-13.64	-17.03	-11.28	-6.85	-15.80	-12.23	2.94
12	11.64	3.435	-14.17	-17.18	-15.56	-15.61	-17.06	-17.25	-19.00	-17.05	-12.86	-20.18	-16.59	2.04
13	10.67	5.375	-18.38	-23.15	-21.88	-21.54	-21.20	-18.51	-20.91	-23.71	-21.30	-23.31	-21.39	1.73
14	9.85	8.325	-21.44	-25.91	-25.18	-24.71	-24.46	-23.32	-25.81	-26.47	-25.24	-27.23	-24.98	1.57
15	9.14	9.647	-22.09	-26.06	-24.78	-24.49	-26.69	-25.93	-27.35	-26.11	-24.02	-29.32	-25.68	1.88
16	8.53	7.767	-21.84	-26.46	-24.51	-24.34	-27.67	-27.15	-29.22	-26.28	-23.54	-29.00	-26.00	2.28
17	8.00	5.128	-20.62	-26.54	-23.62	-23.37	-27.21	-29.15	-31.40	-25.73	-23.35	-29.17	-26.02	3.15
18	7.53	3.600	-23.54	-26.80	-26.41	-26.44	-29.28	-30.87	-32.11	-27.78	-23.56	-32.23	-27.90	3.01
19	7.11	3.506	-25.37	-29.04	-29.01	-28.82	-30.86	-32.47	-33.09	-30.10	-27.20	-34.24	-30.02	2.59
20	6.74	3.028	-26.38	-32.26	-29.43	-29.47	-32.87	-33.58	-34.73	-31.88	-30.11	-35.70	-31.64	2.67
21	6.40	2.428	-27.49	-33.64	-29.59	-30.22	-34.06	-33.80	-37.41	-33.08	-30.72	-36.75	-32.68	2.99
22	6.10	1.744	-29.23	-32.08	-31.15	-32.36	-34.05	-36.35	-39.15	-33.86	-27.99	-37.29	-33.35	3.35
23	5.82	1.232	-28.58	-31.47	-33.29	-34.09	-32.83	-37.43	-38.46	-35.21	-26.26	-36.11	-33.37	3.62
24	5.57	1.072	-29.66	-30.69	-32.07	-33.34	-35.34	-36.77	-42.16	-32.72	-26.22	-37.38	-33.63	4.27
25	5.33	1.064	-30.21	-29.93	-30.35	-31.91	-35.71	-38.25	-42.21	-30.62	-26.45	-38.20	-33.38	4.68
26	5.12	.880	-28.10	-27.71	-29.67	-30.69	-36.71	-36.62	-41.16	-29.51	-22.87	-40.21	-32.32	5.69
27	4.92	.761	-25.46	-30.12	-35.39	-37.10	-37.55	-35.57	9999.99	-32.58	-25.25	-41.24	-33.37	5.19
28	4.74	.788	-16.07	-35.39	-46.00	-41.35	-35.47	-33.69	9999.99	-34.70	-32.72	9999.99	-34.45	8.10
29	4.57	.638	-11.76	-29.24	-46.41	-36.96	-34.11	-32.59	9999.99	-30.84	-31.97	9999.99	-31.76	9.05
30	4.41	.505	-6.11	-24.59	-47.34	-33.73	-25.23	-31.15	9999.99	-27.00	-26.08	9999.99	-27.67	10.72
31	4.27	.317	-4.66	-22.34	-49.70	-32.78	-21.72	-27.92	9999.99	-25.36	-25.20	9999.99	-26.19	11.72

Table A.39 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 05/02/94 22:00 HOURS Hmo=.25 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.701	-22.70	-16.42	-9.05	-12.82	-13.78	-12.02	-16.49	-11.94	8.84	-17.70	-12.45	7.95
3	64.00	1.136	-12.37	-12.09	-13.14	-13.21	-13.61	-12.30	-14.51	-12.88	7.45	-16.70	-11.37	6.39
4	42.67	.874	-9.00	-11.16	-11.26	-10.98	-9.93	-12.83	-14.73	-11.20	7.13	-13.40	-9.76	5.84
5	32.00	.417	-13.39	-16.98	-12.39	-12.91	-9.90	-10.86	-12.83	-14.08	5.32	-15.13	-11.34	5.86
6	25.60	.283	-24.22	-18.27	-14.16	-16.74	-12.10	-11.36	-15.29	-16.00	.38	-17.31	-14.52	6.01
7	21.33	.428	-18.03	-14.54	-12.14	-13.63	-12.96	-14.85	-17.69	-13.31	-.96	-15.02	-13.32	4.50
8	18.29	.904	-11.03	-10.25	-7.50	-8.56	-13.56	-12.39	-15.41	-8.63	1.64	-12.72	-9.85	4.49
9	16.00	1.438	-7.19	-9.14	-6.17	-6.66	-12.10	-9.49	-13.19	-7.51	2.24	-10.92	-8.02	4.08
10	14.22	2.422	-8.48	-10.70	-8.75	-8.91	-12.52	-10.44	-10.41	-9.73	-3.80	-12.36	-9.61	2.34
11	12.80	3.522	-10.00	-12.61	-10.63	-10.60	-13.99	-11.46	-11.64	-11.61	-6.75	-13.59	-11.29	1.94
12	11.64	3.824	-14.05	-15.81	-13.55	-13.91	-15.90	-18.82	-19.95	-14.98	-10.09	-18.33	-15.54	2.78
13	10.67	5.379	-19.06	-21.45	-19.33	-19.64	-20.32	-24.87	-26.37	-21.04	-17.07	-24.98	-21.41	2.87
14	9.85	7.978	-22.18	-25.23	-23.73	-23.77	-26.62	-25.59	-29.58	-25.25	-21.20	-29.12	-25.23	2.57
15	9.14	10.209	-23.75	-27.31	-26.39	-26.20	-28.64	-28.06	-31.97	-27.64	-24.09	-30.55	-27.46	2.44
16	8.53	9.636	-26.22	-31.09	-29.76	-29.31	-28.92	-29.98	-32.55	-31.09	-28.30	-32.28	-29.95	1.81
17	8.00	7.893	-26.96	-31.82	-30.16	-29.75	-29.58	-32.02	-32.76	-31.63	-29.18	-33.94	-30.78	1.93
18	7.53	6.164	-26.87	-32.12	-29.74	-29.49	-31.44	-34.15	-34.03	-31.45	-28.97	-33.99	-31.23	2.33
19	7.11	3.791	-28.46	-31.48	-30.27	-30.58	-33.80	-35.05	-34.54	-31.77	-27.23	-35.30	-31.85	2.65
20	6.74	2.741	-31.37	-33.89	-33.21	-33.78	-33.98	-36.72	-36.67	-35.35	-30.44	-38.90	-34.43	2.42
21	6.40	2.431	-29.96	-33.46	-31.84	-32.75	-35.71	-36.71	-38.93	-35.14	-30.23	-38.47	-34.32	3.03
22	6.10	1.831	-22.77	-28.64	-31.01	-32.74	-38.75	-37.69	-37.28	-35.81	-23.47	-38.54	-32.68	5.74
23	5.82	1.649	-18.38	-21.86	-33.60	-38.17	-40.27	-38.88	-35.45	-38.30	-14.78	-37.00	-31.70	9.04
24	5.57	1.402	-18.53	-24.73	-31.64	-37.75	-40.51	-38.33	-35.02	-36.82	-17.82	-36.66	-31.80	7.97
25	5.33	1.004	-20.88	-29.16	-34.33	-36.29	-36.78	-36.45	-35.11	-35.84	-24.59	-36.82	-32.63	5.45
26	5.12	.937	-21.66	-29.18	-38.05	-36.69	-35.66	-36.56	-35.32	-37.09	-24.21	-37.31	-33.18	5.65
27	4.92	.772	-24.49	-32.30	-37.39	-36.30	-35.16	-36.53	-36.28	-38.16	-26.78	-38.50	-34.19	4.61
28	4.74	.555	-25.24	-32.74	-36.73	-35.42	-35.88	-35.52	-36.15	-36.46	-27.86	9999.99	-33.56	3.95
29	4.57	.361	-22.89	-31.22	-37.31	-35.09	-34.17	-37.02	9999.99	-34.73	-28.60	9999.99	-32.63	4.57
30	4.41	.258	-21.98	-28.94	-36.57	-34.07	-33.46	-37.72	9999.99	-32.09	-27.43	9999.99	-31.54	4.86
31	4.27	.226	-19.56	-27.78	-36.47	-33.56	-29.25	-33.58	9999.99	-29.32	-27.23	9999.99	-29.60	4.86

Table A.40 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 01:00 HOURS Hmo=.29 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.676	-30.94	-29.91	-28.95	-29.17	-26.82	-27.07	-23.01	-29.16	-1.30	-25.79	-25.28	8.27
3	64.00	1.181	-25.24	-19.62	-12.00	-15.46	-15.85	-14.45	-15.30	-14.80	3.89	-15.12	-14.42	7.00
4	42.67	1.233	-19.52	-12.87	-7.37	-10.51	-11.13	-11.53	-12.86	-9.38	10.45	-11.35	-9.64	7.33
5	32.00	.571	-18.93	-12.39	-6.65	-9.97	-9.74	-8.96	-12.22	-8.99	11.83	-12.24	-8.86	7.56
6	25.60	.357	-18.83	-18.97	-11.42	-13.58	-9.48	-9.13	-13.32	-14.62	-1.10	-14.67	-12.42	5.18
7	21.33	.445	-17.33	-13.56	-12.06	-13.38	-7.68	-12.53	-14.33	-13.06	-2.39	-11.21	-11.76	3.88
8	18.29	.703	-13.09	-12.85	-11.94	-12.37	-8.68	-11.13	-11.22	-12.93	-2.70	-11.50	-10.84	2.98
9	16.00	1.255	-11.79	-13.49	-10.68	-11.21	-8.27	-10.76	-10.54	-12.41	-5.79	-10.75	-10.57	2.05
10	14.22	2.185	-10.89	-11.92	-9.67	-10.26	-11.49	-9.44	-12.78	-11.17	-5.21	-12.95	-10.58	2.11
11	12.80	3.228	-10.64	-11.29	-9.75	-10.19	-14.65	-10.57	-16.74	-10.80	-4.84	-14.55	-11.40	3.13
12	11.64	3.424	-10.60	-10.96	-10.37	-10.71	-15.55	-13.58	-20.32	-10.98	-6.73	-15.34	-12.51	3.59
13	10.67	4.358	-16.16	-16.96	-16.57	-17.25	-20.44	-20.42	-26.40	-17.83	-11.62	-21.38	-18.50	3.73
14	9.85	6.947	-20.79	-24.33	-22.73	-22.91	-23.23	-25.07	-27.85	-24.64	-19.04	-25.95	-23.65	2.40
15	9.14	8.933	-23.65	-25.97	-24.85	-25.01	-26.34	-29.96	-29.80	-26.10	-21.41	-30.67	-26.38	2.82
16	8.53	8.211	-25.44	-24.66	-25.86	-26.75	-28.45	-30.30	-31.97	-26.84	-19.32	-32.37	-27.20	3.67
17	8.00	8.363	-23.99	-24.04	-25.77	-27.57	-31.80	-31.27	-35.19	-28.83	-18.40	-35.27	-28.21	5.09
18	7.53	8.821	-27.91	-29.77	-29.71	-31.19	-34.50	-35.35	-37.39	-33.47	-25.11	-38.87	-32.33	4.12
19	7.11	10.325	-31.91	-37.50	-35.44	-35.42	-37.03	-37.89	-40.30	-37.99	-34.42	-40.19	-36.81	2.45
20	6.74	9.534	-32.86	-39.55	-36.07	-35.79	-37.96	-38.50	-39.82	-38.49	-35.55	-40.80	-37.54	2.30
21	6.40	6.764	-34.28	-41.78	-37.11	-37.19	-39.50	-40.63	-41.15	-40.30	-37.42	-42.30	-39.16	2.43
22	6.10	4.623	-36.20	-38.72	-37.93	-39.25	-41.06	-41.02	-42.24	-40.52	-33.36	-44.46	-39.48	2.99
23	5.82	3.635	-33.88	-35.20	-37.02	-40.49	-41.78	-43.55	-42.48	-40.53	-28.32	-44.31	-38.76	4.81
24	5.57	2.649	-29.18	-35.48	-33.71	-38.42	-39.55	-46.42	-40.50	-39.97	-29.00	-40.15	-37.24	5.16
25	5.33	1.858	-28.85	-36.10	-34.69	-37.77	-38.33	-41.51	-39.26	-38.30	-30.87	-39.58	-36.53	3.80
26	5.12	1.729	-27.70	-35.46	-36.48	-38.16	-37.46	-38.34	-38.99	-36.82	-31.16	-39.96	-36.05	3.61
27	4.92	1.364	-25.66	-34.27	-37.86	-37.69	-35.72	-37.15	-39.09	-35.23	-29.88	-40.04	-35.26	4.19
28	4.74	.935	-28.90	-39.30	-39.95	-38.95	-34.51	-38.76	-41.29	-40.03	-35.94	-41.31	-37.90	3.63
29	4.57	.631	-30.51	-42.39	-41.32	-41.00	-37.46	-41.31	9999.99	-42.82	-38.40	-42.00	-39.69	3.66
30	4.41	.449	-29.23	-39.23	-42.33	-40.50	-38.08	-41.82	9999.99	-39.59	-35.33	-42.14	-38.70	3.95
31	4.27	.316	-27.53	-42.35	-42.42	-39.18	-36.47	-41.09	9999.99	-40.98	-40.03	-43.25	-39.26	4.57

Table A.41 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 04:00 HOURS Hmo=.30 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.854	-1.63	-18.37	-9.88	-7.78	-12.10	-13.92	-21.48	-13.49	11.80	-18.41	-10.57	9.23
3	64.00	1.287	-12.55	-12.85	-6.86	-8.30	-7.74	-12.81	-17.32	-9.08	12.16	-11.40	-8.72	7.55
4	42.67	1.064	-14.57	-10.02	-8.43	-10.04	-8.52	-9.68	-13.14	-8.82	13.73	-10.56	-8.06	7.49
5	32.00	.550	-17.42	-12.67	-9.66	-11.67	-12.62	-8.85	-12.31	-10.67	10.92	-12.82	-9.82	7.24
6	25.60	.320	-20.75	-19.71	-14.09	-16.32	-14.59	-11.81	-16.07	-16.14	1.73	-17.74	-14.57	5.97
7	21.33	.458	-11.60	-14.76	-10.57	-11.43	-11.29	-12.44	-14.72	-12.06	4.98	-14.44	-10.85	5.47
8	18.29	.906	-7.95	-11.91	-7.37	-7.66	-10.83	-11.45	-14.51	-9.15	4.98	-10.47	-8.64	5.00
9	16.00	1.559	-6.52	-8.88	-4.74	-5.25	-10.28	-10.01	-14.06	-6.37	3.98	-8.26	-7.04	4.52
10	14.22	2.333	-7.36	-10.11	-6.69	-7.03	-10.24	-12.69	-13.74	-8.31	-.14	-8.86	-8.52	3.57
11	12.80	2.807	-9.56	-13.41	-10.50	-10.57	-11.88	-11.83	-13.30	-12.40	-5.50	-11.69	-11.06	2.19
12	11.64	4.056	-9.24	-13.31	-10.51	-10.40	-13.23	-14.49	-17.04	-11.93	-7.76	-12.77	-12.07	2.56
13	10.67	6.188	-14.03	-18.18	-16.34	-16.10	-20.49	-19.88	-21.03	-17.61	-13.91	-18.99	-17.66	2.40
14	9.85	7.903	-21.71	-23.99	-23.88	-23.71	-24.76	-24.96	-24.28	-24.66	-20.39	-27.15	-23.95	1.74
15	9.14	9.468	-24.29	-26.84	-25.86	-25.70	-27.03	-28.33	-28.00	-26.82	-22.74	-30.17	-26.58	1.99
16	8.53	9.089	-24.48	-30.26	-27.51	-27.24	-29.83	-28.53	-29.82	-29.66	-26.38	-31.41	-28.51	1.99
17	8.00	7.324	-25.98	-31.77	-30.51	-30.50	-33.48	-30.54	-31.76	-33.36	-27.60	-33.94	-30.95	2.43
18	7.53	6.839	-30.82	-33.24	-33.96	-34.53	-36.58	-34.35	-37.61	-35.84	-30.17	-38.85	-34.60	2.62
19	7.11	8.054	-32.24	-32.78	-34.35	-35.08	-37.51	-35.57	-39.82	-35.65	-28.46	-38.83	-35.03	3.17
20	6.74	5.981	-29.87	-31.71	-32.47	-33.27	-37.19	-36.26	-37.21	-34.64	-26.05	-39.36	-33.81	3.78
21	6.40	4.777	-30.25	-35.32	-33.30	-33.61	-39.93	-37.08	-36.62	-36.52	-29.84	-42.13	-35.46	3.69
22	6.10	4.786	-31.03	-34.86	-34.51	-35.58	-40.14	-40.15	-40.06	-38.57	-29.17	-40.19	-36.43	3.85
23	5.82	4.597	-26.78	-31.38	-34.91	-36.40	-40.95	-42.15	-41.29	-39.84	-25.70	-39.11	-35.86	5.73
24	5.57	4.137	-26.50	-32.85	-33.28	-34.93	-40.20	-39.44	-37.81	-37.25	-27.41	-38.83	-34.85	4.60
25	5.33	3.269	-29.39	-36.23	-32.04	-33.63	-38.53	-33.96	-35.00	-35.29	-31.76	-38.23	-34.41	2.73
26	5.12	2.766	-29.28	-33.11	-32.33	-32.15	-36.83	-32.49	-33.35	-33.02	-28.95	-37.57	-32.91	2.59
27	4.92	3.037	-28.72	-31.83	-32.40	-31.57	-35.59	-33.42	-30.16	-32.12	-29.01	-36.50	-32.13	2.42
28	4.74	2.391	-31.30	-34.13	-33.90	-33.65	-34.26	-34.44	-30.49	-33.61	-32.12	-35.10	-33.30	1.41
29	4.57	1.967	-31.07	-36.36	-35.01	-34.25	-32.12	-35.12	-35.04	-35.03	-33.61	-34.74	-34.23	1.49
30	4.41	1.408	-28.23	-35.51	-35.78	-33.63	-33.40	-33.91	9999.99	-33.69	-32.48	-36.80	-33.72	2.33
31	4.27	1.077	-26.23	-36.51	-36.96	-32.96	-33.01	-32.06	9999.99	-32.63	-35.56	9999.99	-33.24	3.18

Table A.42 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 07:00 HOURS Hmo=.27 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.740	-19.45	-22.92	-17.48	-17.89	-25.08	-25.01	-20.31	-20.03	1.31	-19.74	-18.70	7.12
3	64.00	1.227	-19.25	-19.52	-12.48	-14.29	-18.89	-13.21	-14.33	-15.21	1.89	-18.23	-14.37	5.96
4	42.67	1.247	-14.11	-14.33	-8.00	-9.63	-12.99	-11.46	-14.57	-10.28	7.66	-14.08	-10.20	6.32
5	32.00	.737	-9.48	-12.39	-8.08	-8.50	-11.68	-13.54	-16.16	-9.53	9.14	-13.46	-9.40	6.63
6	25.60	.401	-14.33	-13.10	-9.16	-10.44	-15.08	-13.40	-15.76	-10.63	7.05	-14.31	-10.94	6.33
7	21.33	.488	-13.56	-15.52	-9.88	-10.89	-10.48	-13.79	-16.99	-12.26	1.67	-12.87	-11.47	4.85
8	18.29	.977	-8.59	-12.77	-7.91	-8.33	-8.05	-13.99	-14.55	-9.94	-2.67	-10.31	-9.71	3.32
9	16.00	1.803	-7.28	-9.07	-5.61	-6.28	-8.59	-12.41	-13.62	-7.18	.60	-10.28	-7.97	3.76
10	14.22	3.003	-9.31	-10.97	-8.05	-8.61	-9.75	-11.32	-13.17	-9.42	-2.41	-11.06	-9.41	2.73
11	12.80	4.081	-11.28	-13.32	-10.83	-11.20	-10.86	-13.24	-15.80	-12.08	-6.89	-13.98	-11.95	2.27
12	11.64	4.419	-13.44	-15.82	-13.77	-14.10	-13.23	-13.88	-17.12	-15.17	-10.36	-16.70	-14.36	1.86
13	10.67	5.574	-16.72	-20.00	-17.85	-17.98	-18.82	-16.64	-19.55	-19.37	-15.90	-20.69	-18.35	1.51
14	9.85	8.419	-20.97	-23.99	-22.67	-22.64	-23.01	-22.82	-23.84	-23.94	-21.22	-24.75	-22.99	1.15
15	9.14	9.943	-22.41	-27.36	-25.08	-24.71	-24.34	-25.96	-25.17	-26.69	-25.24	-26.66	-25.36	1.35
16	8.53	8.823	-24.35	-27.79	-26.18	-26.14	-26.77	-27.82	-29.45	-27.59	-24.93	-30.43	-27.15	1.79
17	8.00	6.285	-26.62	-27.16	-27.50	-27.96	-28.93	-28.67	-33.34	-28.45	-23.94	-33.08	-28.57	2.68
18	7.53	5.836	-28.56	-29.81	-29.97	-30.69	-33.24	-30.55	-37.23	-31.74	-26.87	-37.42	-31.61	3.28
19	7.11	6.085	-30.41	-32.94	-31.37	-32.58	-35.89	-38.13	-39.79	-34.46	-29.59	-41.48	-34.66	3.85
20	6.74	4.529	-30.69	-33.75	-31.02	-32.93	-36.06	-40.23	-40.62	-35.55	-29.34	-41.55	-35.17	4.19
21	6.40	2.903	-29.43	-33.30	-33.85	-36.04	-36.85	-39.12	-43.39	-39.48	-28.77	-42.73	-36.30	4.79
22	6.10	2.621	-27.75	-35.45	-34.81	-36.81	-39.76	-38.40	-44.21	-43.11	-30.73	-44.17	-37.52	5.29
23	5.82	2.001	-23.94	-33.04	-30.02	-32.72	-40.29	-38.41	-41.23	-40.26	-28.79	-44.11	-35.29	6.19
24	5.57	1.563	-25.13	-30.33	-31.30	-34.82	-38.44	-35.14	-39.73	-37.01	-27.06	-41.67	-34.07	5.19
25	5.33	1.490	-26.99	-31.33	-32.94	-35.58	-34.52	-35.11	-39.77	-37.16	-28.21	-37.98	-33.96	3.93
26	5.12	1.373	-28.74	-31.85	-32.31	-34.82	-32.76	-33.71	-37.71	-35.32	-27.83	-37.25	-33.23	3.09
27	4.92	1.569	-29.15	-34.14	-32.06	-34.18	-32.77	-32.71	-37.99	-35.45	-30.35	-38.12	-33.69	2.79
28	4.74	1.734	-30.31	-36.32	-32.69	-33.57	-35.01	-35.80	9999.99	-36.20	-32.32	9999.99	-34.03	2.03
29	4.57	1.359	-30.94	-34.69	-31.82	-32.56	-34.87	-38.23	9999.99	-33.03	-31.51	9999.99	-33.45	2.24
30	4.41	1.015	-28.48	-33.66	-33.09	-32.57	-32.55	-40.46	9999.99	-33.35	-30.28	9999.99	-33.05	3.25
31	4.27	.830	-28.94	-35.46	-35.94	-35.24	-33.52	-45.47	9999.99	-38.55	-30.68	9999.99	-35.47	4.73

Table A.43 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 10:00 HOURS Hmo= .27 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	D I R E C T I O N (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.633	-30.94	-31.62	-23.14	-25.13	-16.20	-23.99	-24.15	-26.47	-13.95	-17.65	-23.32	5.59
3	64.00	1.342	-14.47	-19.91	-14.77	-14.78	-14.38	-15.59	-17.54	-16.82	.69	-17.74	-14.55	5.35
4	42.67	1.218	-9.47	-17.67	-13.13	-12.25	-12.91	-12.74	-15.31	-14.98	1.87	-16.58	-12.33	5.23
5	32.00	.601	-8.27	-14.72	-12.24	-11.23	-13.58	-11.47	-15.23	-13.36	2.49	-15.12	-11.29	5.01
6	25.60	.450	-13.64	-15.35	-11.28	-11.88	-15.14	-12.39	-14.97	-13.12	.52	-16.22	-12.36	4.56
7	21.33	.620	-9.19	-10.64	-7.30	-7.91	-10.25	-14.15	-15.77	-8.72	5.45	-12.32	-9.09	5.48
8	18.29	1.167	-7.85	-8.92	-4.97	-5.93	-9.35	-12.15	-12.94	-6.54	3.74	-9.53	-7.45	4.44
9	16.00	2.099	-8.17	-10.02	-6.37	-7.04	-8.29	-11.42	-9.11	-7.93	-.56	-8.01	-7.69	2.74
10	14.22	3.611	-9.38	-10.85	-8.50	-8.84	-9.89	-8.73	-9.61	-9.65	-5.16	-9.87	-9.05	1.45
11	12.80	5.325	-10.80	-12.69	-11.39	-11.48	-11.71	-10.24	-13.10	-12.32	-8.27	-12.23	-11.42	1.33
12	11.64	5.440	-11.61	-14.46	-12.89	-12.88	-10.94	-13.46	-15.73	-14.09	-10.23	-13.29	-12.96	1.58
13	10.67	5.358	-16.63	-18.20	-16.22	-16.86	-13.04	-17.39	-18.58	-17.78	-13.07	-20.91	-16.87	2.27
14	9.85	7.375	-20.39	-21.15	-19.42	-20.32	-21.02	-22.88	-23.95	-20.87	-16.28	-28.22	-21.45	2.97
15	9.14	9.678	-20.62	-22.98	-21.06	-21.36	-25.00	-24.32	-26.50	-22.50	-19.00	-27.04	-23.04	2.50
16	8.53	9.770	-21.19	-22.98	-22.44	-22.39	-26.53	-26.33	-28.02	-23.32	-19.41	-25.97	-23.86	2.59
17	8.00	8.386	-22.55	-23.62	-23.73	-23.75	-25.28	-26.28	-27.90	-24.35	-21.14	-26.82	-24.54	1.94
18	7.53	7.282	-23.62	-25.69	-24.15	-24.36	-27.18	-26.93	-28.49	-25.42	-24.08	-30.51	-26.04	2.11
19	7.11	5.506	-23.96	-26.25	-23.67	-24.55	-29.59	-29.37	-30.30	-26.17	-23.15	-32.86	-26.99	3.16
20	6.74	3.464	-23.23	-24.89	-22.76	-24.58	-30.95	-31.42	-31.08	-26.49	-19.70	-34.89	-27.00	4.58
21	6.40	2.510	-21.81	-24.87	-23.31	-25.15	-28.77	-31.26	-32.91	-29.73	-19.22	-33.45	-27.05	4.63
22	6.10	1.692	-19.48	-20.83	-20.91	-23.07	-28.67	-29.42	-40.29	-28.14	-15.96	-37.65	-26.43	7.52
23	5.82	1.252	-16.98	-19.41	-18.86	-22.02	-31.95	-30.17	-49.37	-29.51	-13.91	-42.94	-27.47	11.02
24	5.57	1.034	-15.05	-20.70	-18.26	-22.43	-39.59	9999.99	-44.88	-30.52	-15.99	-41.82	-27.67	11.09
25	5.33	.976	-15.10	-23.73	-16.58	-20.89	-41.13	9999.99	-40.71	-34.14	-19.65	-45.64	-28.60	11.13
26	5.12	.904	-18.29	-24.74	-24.30	-30.21	-34.54	9999.99	-42.99	-37.49	-20.13	-46.11	-30.97	9.38
27	4.92	.921	-18.73	-25.72	-29.67	-31.16	9999.99	9999.99	9999.99	-35.95	-20.42	9999.99	-26.94	6.03
28	4.74	.706	-21.41	-24.72	-30.34	-32.56	9999.99	9999.99	9999.99	-33.36	-19.13	9999.99	-26.92	5.49
29	4.57	.638	-25.51	-21.90	-31.12	-32.59	9999.99	9999.99	9999.99	-31.00	-18.74	9999.99	-26.81	5.17
30	4.41	.562	-25.53	-23.37	-31.51	-31.88	9999.99	9999.99	9999.99	9999.99	-19.41	9999.99	-26.34	4.79
31	4.27	.480	-24.41	-26.96	-32.18	-32.26	9999.99	9999.99	9999.99	9999.99	-22.57	9999.99	-27.68	3.96

Table A.44 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 13:00 HOURS Hmo=.30 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.538	-32.10	-33.57	-18.84	-22.45	-14.58	-20.31	-22.90	-24.94	-6.10	-25.21	-22.11	7.59
3	64.00	1.030	-27.29	-21.00	-16.04	-19.06	-16.33	-13.54	-16.91	-17.99	1.80	-20.24	-16.69	7.09
4	42.67	1.067	-17.51	-16.19	-13.29	-14.57	-13.01	-9.15	-11.69	-14.36	6.66	-15.91	-11.93	6.59
5	32.00	.669	-14.87	-12.91	-10.90	-12.00	-9.31	-9.46	-11.87	-11.71	8.49	-11.08	-9.59	6.21
6	25.60	.499	-13.22	-9.33	-7.99	-9.56	-7.51	-10.73	-14.66	-8.75	7.33	-8.33	-8.29	5.64
7	21.33	.598	-9.65	-8.77	-6.70	-7.82	-7.75	-9.29	-14.07	-7.74	6.83	-8.61	-7.37	5.10
8	18.29	1.085	-8.93	-9.72	-7.28	-7.84	-9.24	-8.86	-12.22	-8.59	1.69	-10.68	-8.17	3.54
9	16.00	1.974	-7.36	-7.86	-6.51	-6.75	-11.28	-10.18	-13.24	-7.29	.53	-12.13	-8.21	3.70
10	14.22	3.262	-10.62	-11.44	-9.88	-10.15	-14.88	-12.86	-13.93	-10.78	-4.11	-15.33	-11.40	3.07
11	12.80	5.242	-13.37	-15.96	-14.10	-14.15	-15.53	-13.31	-12.31	-15.37	-9.31	-17.52	-14.09	2.15
12	11.64	6.113	-14.85	-17.53	-15.58	-15.77	-15.24	-11.66	-14.03	-17.19	-10.02	-18.69	-15.06	2.50
13	10.67	6.867	-17.45	-17.95	-17.42	-17.89	-17.59	-16.21	-20.56	-18.49	-11.85	-21.76	-17.72	2.49
14	9.85	9.690	-21.44	-21.99	-21.86	-22.18	-23.90	-22.58	-24.83	-22.65	-18.77	-27.94	-22.81	2.28
15	9.14	14.198	-21.82	-24.43	-23.23	-23.17	-26.80	-24.34	-26.03	-24.23	-22.17	-28.84	-24.51	2.06
16	8.53	16.653	-22.52	-26.20	-24.26	-24.03	-28.36	-25.47	-27.34	-25.54	-23.41	-29.00	-25.61	2.03
17	8.00	12.545	-23.30	-26.66	-24.56	-24.46	-27.25	-27.01	-29.46	-25.96	-23.13	-28.76	-26.05	2.06
18	7.53	7.313	-23.82	-26.62	-25.28	-25.32	-25.96	-27.82	-31.43	-26.71	-23.91	-31.28	-26.82	2.55
19	7.11	5.751	-23.05	-27.08	-25.20	-25.18	-27.39	-27.27	-32.42	-26.97	-24.69	-32.79	-27.20	3.00
20	6.74	4.521	-23.43	-28.47	-25.76	-26.11	-29.25	-28.04	-32.27	-28.66	-25.00	-34.57	-28.15	3.19
21	6.40	2.956	-22.83	-26.59	-24.93	-25.72	-28.56	-29.14	-37.73	-28.22	-22.98	-38.85	-28.55	5.29
22	6.10	2.319	-21.13	-24.35	-23.69	-24.69	-29.96	-31.94	-39.53	-27.30	-20.96	-41.16	-28.46	6.81
23	5.82	1.879	-18.45	-21.98	-20.87	-23.12	-30.85	-33.06	-40.85	-28.70	-16.57	-43.12	-27.74	8.72
24	5.57	1.590	-15.76	-21.15	-19.46	9999.99	-35.41	-33.33	-45.67	9999.99	-15.01	-44.62	-28.78	11.75
25	5.33	1.343	-11.34	-17.98	-17.97	9999.99	-42.17	9999.99	-50.26	9999.99	-13.45	-47.53	-28.61	15.88
26	5.12	1.083	-11.21	-17.98	-20.08	9999.99	-43.60	9999.99	-50.85	9999.99	-14.87	-48.39	-29.51	15.95
27	4.92	.979	-15.23	-17.39	-22.49	9999.99	-47.52	9999.99	-58.61	9999.99	-14.83	-62.25	-33.89	19.69
28	4.74	.885	-18.48	-11.94	-24.77	9999.99	-47.51	9999.99	9999.99	9999.99	-9.35	-57.29	-28.05	18.01
29	4.57	.667	-21.39	-9.72	-23.34	9999.99	-50.60	9999.99	9999.99	9999.99	-6.53	-53.30	-27.35	18.30
30	4.41	.480	-18.45	-15.82	9999.99	9999.99	-54.65	9999.99	9999.99	9999.99	-13.05	-55.20	-31.29	19.26
31	4.27	.445	-17.36	-22.96	9999.99	9999.99	-57.64	9999.99	9999.99	9999.99	-18.74	9999.99	-28.91	16.56

Table A.45 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 16:00 HOURS Hmo=.31 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.610	-21.25	-15.84	-13.58	-15.79	-27.78	-19.56	-20.47	-14.75	17.28	-15.85	-14.91	11.39
3	64.00	1.075	-12.02	-10.76	-8.33	-9.40	-11.58	-12.48	-15.03	-9.19	16.86	-11.37	-8.41	8.59
4	42.67	1.244	-9.58	-9.71	-4.84	-6.15	-9.19	-10.16	-12.55	-6.63	17.64	-9.05	-6.09	8.17
5	32.00	.814	-12.60	-12.53	-5.48	-7.34	-9.90	-8.91	-11.50	-8.10	13.54	-10.76	-7.40	7.30
6	25.60	.509	-11.76	-14.63	-6.83	-8.18	-9.91	-11.28	-13.22	-9.82	9.39	-11.16	-8.77	6.41
7	21.33	.552	-11.66	-18.72	-10.70	-11.15	-8.43	-12.08	-12.27	-14.09	1.09	-10.84	-10.89	4.74
8	18.29	1.139	-10.34	-12.39	-7.57	-8.40	-11.06	-11.22	-12.83	-9.69	.26	-11.18	-9.45	3.59
9	16.00	2.176	-7.45	-8.93	-6.41	-6.74	-13.19	-10.93	-13.08	-7.60	-1.20	-12.80	-8.83	3.59
10	14.22	3.529	-8.14	-10.91	-9.02	-8.94	-14.64	-11.43	-13.44	-9.94	-5.63	-14.06	-10.62	2.71
11	12.80	5.262	-10.77	-13.09	-11.91	-11.85	-14.45	-13.67	-15.97	-12.61	-8.85	-15.35	-12.85	2.04
12	11.64	6.138	-12.67	-14.39	-13.71	-13.75	-16.34	-15.12	-19.23	-14.39	-10.65	-18.02	-14.83	2.39
13	10.67	7.573	-14.87	-16.64	-16.16	-16.18	-19.22	-19.77	-22.11	-16.99	-13.82	-21.10	-17.69	2.59
14	9.85	12.000	-18.83	-21.11	-20.68	-20.51	-23.95	-22.81	-22.87	-21.47	-18.99	-25.73	-21.70	2.06
15	9.14	16.635	-21.75	-24.94	-23.84	-23.58	-24.30	-24.55	-24.55	-24.75	-23.33	-27.56	-24.32	1.40
16	8.53	14.619	-22.74	-25.29	-23.96	-23.93	-23.51	-26.32	-26.50	-24.91	-22.88	-27.36	-24.74	1.52
17	8.00	10.402	-22.92	-26.64	-25.04	-24.85	-24.58	-27.52	-29.01	-26.41	-23.64	-27.59	-25.82	1.83
18	7.53	7.178	-23.23	-28.44	-26.65	-26.32	-26.23	-28.52	-30.74	-28.62	-25.49	-29.12	-27.34	2.05
19	7.11	5.465	-25.98	-29.07	-28.06	-28.33	-30.04	-30.39	-30.38	-30.16	-25.40	-33.20	-29.10	2.17
20	6.74	5.423	-25.50	-26.01	-27.02	-27.67	-30.08	-29.19	-30.60	-28.63	-21.91	-33.16	-27.98	2.97
21	6.40	4.039	-25.36	-27.02	-29.02	-29.73	-30.06	-27.20	-32.02	-31.28	-23.07	-33.16	-28.79	2.97
22	6.10	2.952	-25.61	-28.05	-28.16	-29.49	-32.03	-29.09	-34.06	-32.08	-24.16	-37.27	-30.00	3.73
23	5.82	2.094	-26.15	-26.69	-27.30	-29.38	-29.86	-26.75	-35.18	-31.75	-22.89	-40.72	-29.66	4.88
24	5.57	1.971	-22.44	-24.40	-23.83	-25.99	-29.09	-25.97	-37.40	-28.15	-21.05	9999.99	-26.48	4.55
25	5.33	1.745	-17.75	-21.60	-19.19	-21.06	-35.59	9999.99	-35.38	-26.96	-17.33	9999.99	-24.34	7.01
26	5.12	1.374	-18.81	-20.92	-23.01	-27.85	-46.35	9999.99	9999.99	-39.16	-16.65	9999.99	-27.49	10.34
27	4.92	1.308	-18.51	-20.75	-33.38	-48.36	-42.18	9999.99	9999.99	-51.09	-17.19	9999.99	-33.06	13.40
28	4.74	1.222	-9.22	-12.39	-33.99	-36.95	9999.99	9999.99	9999.99	9999.99	-10.61	9999.99	-20.60	12.19
29	4.57	1.038	-3.52	-5.68	-22.91	9999.99	9999.99	9999.99	9999.99	9999.99	-4.46	9999.99	-9.12	7.99
30	4.41	.703	-1.63	-1.17	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	-.15	9999.99	-.98	.62
31	4.27	.655	-2.71	2.84	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	.39	9999.99	.17	2.27

Table A.46 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 19:00 HOURS Hmo=.36 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN=.5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	D I R E C T I O N (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.550	-51.85	-28.44	-10.59	-20.48	-28.83	-30.47	-29.60	-16.92	-3.77	-21.75	-24.22	12.44
3	64.00	1.089	-31.49	-18.45	-10.04	-15.28	-16.99	-17.10	-19.89	-13.21	5.41	-17.22	-15.45	8.74
4	42.67	1.206	-23.13	-17.41	-12.77	-15.17	-16.20	-16.35	-18.19	-14.68	4.88	-18.73	-14.81	7.06
5	32.00	.878	-19.82	-20.09	-15.87	-16.97	-18.13	-15.34	-17.23	-17.63	4.96	-22.07	-15.86	7.19
6	25.60	.719	-14.12	-10.87	-9.35	-10.74	-14.69	-14.84	-16.82	-9.88	12.11	-14.63	-10.44	7.87
7	21.33	.846	-14.19	-10.89	-9.37	-10.62	-13.34	-12.25	-17.79	-10.08	9.44	-14.89	-10.44	7.05
8	18.29	1.307	-13.43	-13.55	-10.79	-11.55	-12.20	-11.43	-16.89	-11.99	3.10	-13.73	-11.26	5.06
9	16.00	2.281	-10.42	-11.50	-9.75	-10.06	-9.75	-9.98	-13.71	-10.66	-.17	-12.48	-9.85	3.45
10	14.22	3.914	-8.59	-10.11	-9.11	-9.12	-10.67	-10.22	-12.62	-9.84	-3.38	-12.50	-9.62	2.44
11	12.80	6.344	-11.61	-13.87	-13.58	-13.32	-11.65	-13.38	-16.35	-14.25	-11.80	-14.18	-13.40	1.38
12	11.64	7.510	-14.30	-16.79	-16.59	-16.37	-14.34	-17.86	-19.59	-17.23	-15.89	-18.11	-16.71	1.55
13	10.67	9.310	-19.15	-20.32	-20.63	-20.81	-20.09	-19.66	-22.25	-21.32	-19.13	-24.91	-20.83	1.64
14	9.85	14.741	-22.87	-24.58	-24.88	-24.92	-24.46	-24.41	-29.08	-25.75	-24.14	-28.89	-25.40	1.92
15	9.14	20.077	-23.09	-26.10	-25.51	-25.28	-26.78	-25.63	-28.34	-26.54	-25.65	-29.89	-26.28	1.74
16	8.53	17.922	-21.98	-25.50	-24.07	-23.82	-26.51	-26.39	-27.58	-25.22	-24.35	-28.87	-25.43	1.90
17	8.00	12.780	-20.62	-24.47	-22.82	-22.52	-26.16	-27.53	-29.11	-24.08	-22.94	-26.99	-24.72	2.52
18	7.53	7.656	-21.33	-24.53	-23.21	-23.25	-27.30	-27.59	-30.85	-24.68	-22.63	-28.05	-25.34	2.83
19	7.11	5.734	-23.22	-26.17	-25.24	-25.54	-28.37	-26.84	-29.85	-27.17	-24.38	-33.65	-27.04	2.85
20	6.74	4.943	-23.75	-27.79	-26.50	-26.97	-27.40	-28.76	-30.32	-29.96	-25.79	-33.36	-28.06	2.55
21	6.40	4.671	-21.55	-27.02	-23.89	-24.63	-29.38	-29.19	-32.06	-28.33	-23.96	-33.10	-27.31	3.58
22	6.10	3.976	-19.11	-23.86	-21.95	-22.38	-28.41	-27.59	-30.91	-25.22	-21.36	9999.99	-24.53	3.60
23	5.82	3.426	-16.95	-20.81	-20.57	-20.98	-22.23	-24.51	9999.99	-25.86	-19.33	9999.99	-21.41	2.64
24	5.57	3.241	-15.33	-18.98	-18.12	-18.72	-17.43	-18.71	9999.99	9999.99	-17.76	9999.99	-17.86	1.16
25	5.33	2.799	-11.90	-16.01	-13.61	-12.58	-13.98	9999.99	9999.99	9999.99	-13.87	9999.99	-13.66	1.29
26	5.12	2.508	-7.21	-13.25	-7.57	-3.87	9999.99	9999.99	9999.99	9999.99	-11.20	9999.99	-8.62	3.28
27	4.92	2.524	-5.98	-13.10	-8.02	-2.73	9999.99	9999.99	9999.99	9999.99	-11.15	9999.99	-8.20	3.68
28	4.74	2.533	-2.70	-9.04	-2.70	1.63	9999.99	9999.99	9999.99	9999.99	-8.14	9999.99	-4.19	3.93
29	4.57	2.269	-.21	-3.99	-.37	1.12	9999.99	9999.99	9999.99	9999.99	-4.05	9999.99	-1.50	2.12
30	4.41	2.297	1.35	.95	3.06	1.15	9999.99	9999.99	9999.99	9999.99	1.83	9999.99	2.47	1.51
31	4.27	2.216	3.62	3.01	7.70	8.64	9999.99	9999.99	9999.99	9999.99	3.15	9999.99	5.22	2.43

Table A.47 TABLE : LINEAR ARRAY - 10 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6 PASS=2 06/02/94 22:00 HOURS Hmo= .41 m (Hmo and spectral energy are for gauge 4) NP= 256 SAMIN= .5 NDF=160 UNITS=1 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm [#] 2)	DIRECTION (degrees) for 10 different gauge pairs										Mean dir	Std dev
			43	21	32	42	65	78	89	31	01	54		
2	128.00	.663	-37.32	-9.92	-19.84	-24.17	-27.70	-20.09	-30.08	-15.94	8.66	-39.53	-21.69	13.32
3	64.00	1.184	-31.68	-15.25	-18.38	-21.95	-20.13	-19.53	-18.67	-17.16	1.70	-20.38	-18.17	7.83
4	42.67	1.301	-24.60	-16.25	-14.74	-17.29	-15.49	-16.35	-14.58	-15.32	6.60	-15.55	-14.40	7.51
5	32.00	.876	-18.39	-18.72	-12.30	-13.93	-13.94	-16.94	-16.22	-14.78	7.57	-15.92	-13.40	7.24
6	25.60	.740	-12.39	-18.39	-12.37	-12.53	-12.69	-20.04	-21.96	-14.80	1.98	-15.90	-13.92	6.23
7	21.33	.885	-3.77	-8.55	-4.93	-4.81	-11.65	-18.89	-20.27	-6.34	8.63	-10.36	-8.10	7.78
8	18.29	1.567	-6.73	-8.34	-4.69	-5.42	-10.76	-11.97	-14.56	-6.10	7.53	-9.73	-7.09	5.70
9	16.00	2.495	-11.06	-12.09	-8.85	-9.62	-10.05	-11.16	-12.76	-10.25	-.56	-13.58	-10.00	3.43
10	14.22	4.163	-10.06	-10.56	-8.40	-9.05	-10.84	-13.12	-12.48	-9.41	-4.83	-13.85	-10.26	2.48
11	12.80	6.126	-12.09	-13.26	-11.74	-12.12	-14.91	-17.02	-16.71	-12.67	-10.06	-16.90	-13.75	2.35
12	11.64	8.692	-16.11	-17.87	-17.02	-17.14	-19.81	-18.55	-19.12	-17.90	-14.87	-22.10	-18.05	1.92
13	10.67	11.779	-19.26	-21.34	-20.97	-20.95	-22.62	-21.11	-23.81	-21.83	-19.28	-24.81	-21.60	1.68
14	9.85	17.290	-21.89	-24.28	-24.17	-23.96	-24.22	-24.96	-28.71	-24.82	-23.56	-26.16	-24.67	1.70
15	9.14	22.244	-21.49	-24.67	-23.50	-23.23	-25.67	-26.10	-29.23	-24.44	-24.18	-26.95	-24.94	2.05
16	8.53	19.842	-22.81	-24.92	-24.38	-24.34	-26.61	-27.97	-28.69	-25.17	-24.33	-28.96	-25.82	2.00
17	8.00	13.239	-22.59	-25.50	-24.67	-24.54	-25.62	-28.02	-29.44	-25.87	-24.94	-29.28	-26.05	2.09
18	7.53	9.727	-20.95	-27.24	-24.28	-23.96	-25.12	-25.68	-28.30	-27.14	-26.17	-29.66	-25.85	2.34
19	7.11	8.785	-19.25	-26.51	-22.67	-22.60	-23.67	-28.24	-28.46	-26.50	-24.49	-28.87	-25.13	2.97
20	6.74	6.840	-18.74	-22.90	-21.19	-21.72	-20.53	-27.33	-26.77	-25.01	-20.39	-29.01	-23.36	3.28
21	6.40	6.620	-19.51	-20.03	-21.07	-22.00	-22.24	-22.70	-20.81	-23.66	-17.80	-29.89	-21.97	3.09
22	6.10	6.859	-16.02	-17.61	-17.48	-17.79	-20.21	-18.60	-19.00	-18.60	-15.19	9999.99	-17.83	1.44
23	5.82	6.692	-10.87	-12.93	-12.80	-12.22	-9.72	-15.10	9999.99	-11.48	-11.07	9999.99	-12.02	1.53
24	5.57	6.359	-8.23	-10.64	-10.00	-8.58	-3.76	-10.94	9999.99	-7.07	-9.42	9999.99	-8.58	2.19
25	5.33	6.194	-7.74	-7.24	-8.15	-7.02	-5.56	-5.58	9999.99	-2.80	-6.26	9999.99	-6.29	1.59
26	5.12	5.973	-5.58	-8.37	-6.59	-4.07	-6.09	-1.79	9999.99	.08	-6.86	9999.99	-4.91	2.64
27	4.92	6.544	-3.99	-6.02	-5.48	-2.99	3.89	-1.41	9999.99	1.80	-5.18	9999.99	-2.43	3.38
28	4.74	5.992	-1.48	-3.25	-1.84	.86	8.38	1.45	9999.99	2.89	-2.33	9999.99	.58	3.54
29	4.57	5.031	2.65	3.11	3.12	5.47	9.50	7.33	9999.99	7.23	3.76	9999.99	5.27	2.36
30	4.41	4.408	5.87	8.62	6.08	6.64	9999.99	4.93	9999.99	7.33	8.94	9999.99	6.92	1.36
31	4.27	3.444	5.64	10.14	7.95	8.28	9999.99	5.91	9999.99	7.16	10.28	9999.99	7.91	1.71

Appendix B

Modified Esteva's analysis — 15 redundant estimates

Table B.2 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 01/02/94 04:00 HOURS Hmo=1.07 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	DOC	02D	41D	C24	Mean dir	Std dev
2	28.00	3.254	-125.32	-92.24	-111.59	-114.75	-114.75	-74.75	-119.25	-129.12	-130.79	-129.08	-110.12	-110.18	-115.71	-112.79	-91.06	-112.06	15.09
3	64.00	6.198	-129.94	-112.20	-127.65	-127.75	-128.32	-107.50	-127.97	-132.50	-134.41	-133.31	-127.48	-126.92	-127.88	-127.45	-109.90	-125.45	8.13
4	42.67	5.950	-130.25	-116.17	-132.54	-132.02	-135.73	-112.61	-132.67	-136.72	-138.64	-137.97	-132.47	-132.33	-132.24	-132.73	-113.46	-129.94	8.27
5	32.00	4.347	-126.26	-105.08	-131.55	-130.77	-140.38	-93.83	-132.04	-142.60	-147.02	-146.22	-131.40	-131.38	-130.65	-132.26	-100.40	-128.31	15.50
6	25.60	3.431	-106.39	-73.91	-105.76	-103.67	-108.26	-47.32	-108.06	-123.70	-137.29	-133.37	-103.14	-106.39	-108.15	-99.30	-68.37	-102.70	22.79
7	21.33	3.311	-19.87	-10.60	-14.92	-12.55	-10.95	-17.48	-14.32	2.60	6.81	12.93	-11.27	-7.66	-23.85	-12.48	-10.77	-10.35	9.45
8	18.29	5.323	-6.22	-6.10	-5.64	-7.49	-7.72	-12.37	-14.57	-2.53	-2.10	1.02	-4.93	3.46	-12.93	-5.52	-5.60	-5.95	4.73
9	16.00	13.672	-6.88	-5.34	-6.43	-7.32	-6.75	-12.00	-5.24	-5.67	-5.52	4.84	-6.03	-1.96	-7.71	-6.41	-6.42	-6.31	2.00
10	14.22	27.046	-7.22	-4.88	-6.63	-6.75	-6.50	-10.67	-6.09	-5.19	-3.96	-2.95	-6.19	-4.09	-7.84	-6.40	-6.12	-6.10	1.77
11	12.80	39.046	-7.31	-4.75	-6.67	-6.26	-6.41	-9.01	-8.88	-4.87	-3.29	-2.10	-6.19	-5.10	-8.13	-6.46	-6.00	-6.10	1.84
12	11.64	71.591	-7.63	-5.63	-7.75	-7.15	-6.56	-8.99	-9.13	-5.44	-4.16	-3.41	-7.28	-6.49	-9.04	-7.16	-6.56	-6.83	1.62
13	10.67	126.532	-7.77	-5.68	-7.75	-7.13	-6.37	-9.49	-9.11	-5.29	-3.90	-3.16	-7.29	-6.57	-9.04	-7.16	-6.41	-6.78	1.70
14	9.85	160.437	-7.51	-5.44	-7.52	-6.98	-6.47	-10.27	-8.68	-5.57	-4.21	-3.45	-7.09	-6.67	-7.87	-7.27	-6.23	-6.75	1.63
15	9.14	182.894	-8.18	-6.13	-8.13	-7.59	-7.30	-10.60	-8.80	-6.56	-5.35	-4.73	-7.68	-7.31	-8.55	-8.03	-7.05	-7.47	1.39
16	8.53	139.642	-8.55	-5.23	-7.32	-6.81	-6.87	-8.39	-7.37	-5.98	-4.32	-3.43	-6.79	-6.18	-7.10	-7.53	-6.46	-6.56	1.34
17	8.00	89.268	-7.71	-3.93	-6.36	-5.82	-5.85	-6.40	-6.16	-4.97	-3.24	-2.24	-5.75	-5.25	-5.58	-6.62	-5.37	-5.42	1.34
18	7.53	66.538	-1.43	1.27	-4.2	-1.5	.96	-.30	-0.7	2.05	2.88	3.91	.03	.50	.31	.21	.48	.68	1.32
19	7.11	76.132	4.47	5.83	4.88	5.08	6.81	5.49	4.54	8.28	8.59	9.46	5.16	5.54	4.76	6.66	5.70	6.08	1.51
20	6.74	79.359	6.89	7.24	6.90	7.08	8.27	8.80	5.71	9.99	10.19	11.13	7.05	7.18	6.12	8.23	7.34	7.88	1.50
21	6.40	61.058	8.23	9.26	8.95	8.94	11.13	10.38	8.01	12.97	13.23	14.20	9.08	9.41	8.56	11.22	9.73	10.22	1.87
22	6.10	50.837	11.11	11.58	12.00	11.98	15.50	12.72	11.66	17.69	17.69	18.42	12.04	12.76	11.59	16.06	12.83	13.71	2.50
23	5.82	43.533	12.29	13.56	14.88	14.88	16.65	16.90	14.55	19.12	19.05	19.91	14.86	15.41	14.11	18.02	14.18	15.89	2.20
24	5.57	33.228	11.04	13.49	14.62	14.30	16.35	18.46	14.38	18.16	17.75	18.79	14.57	15.08	14.90	18.01	13.98	15.60	2.14
25	5.33	32.496	11.04	15.36	16.75	15.85	18.34	19.68	16.52	20.05	19.40	20.61	16.56	17.21	17.16	20.76	16.00	17.62	2.00
26	5.12	27.477	16.29	17.28	19.88	18.85	21.35	19.17	19.77	23.93	22.63	23.96	19.59	20.22	19.85	24.42	18.10	20.35	2.37
27	4.92	23.070	16.83	16.86	20.86	19.69	22.91	19.87	20.76	25.57	24.68	25.98	20.44	21.34	21.48	25.60	18.91	21.45	2.87
28	4.74	17.154	17.67	17.67	20.72	19.48	24.15	20.49	20.49	26.42	24.05	25.27	20.49	21.24	21.41	27.07	18.99	21.91	3.00
29	4.57	13.985	22.86	20.11	24.51	23.68	29.66	27.00	24.48	32.49	27.13	28.29	24.18	24.92	25.17	31.68	21.64	25.85	3.40
30	4.41	10.328	24.15	22.32	25.18	24.77	29.29	29.33	25.21	31.90	27.26	28.23	25.01	25.52	25.66	32.63	22.96	26.63	2.97
31	4.27	7.241	25.66	23.43	26.77	26.03	28.54	9999.99	26.51	30.23	26.33	26.82	26.43	27.15	26.97	9999.99	23.50	26.34	1.87

Table B.3 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 01/02/94 07:00 HOURS Hmo=1.08 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	D0C	O2D	41D	C24		
2	28.00	4.192	-111.00	-93.19	-108.43	-105.26	-107.72	-105.49	-114.70	-116.57	-121.00	-119.83	-103.77	-107.08	-111.61	-101.40	-100.08	-108.48	7.32
3	64.00	6.712	-118.87	-93.75	-115.39	-114.08	-112.26	-100.26	-115.75	-127.01	-131.00	-131.63	-112.86	-111.96	-116.47	-111.67	-98.28	-114.09	10.53
4	42.67	6.234	-119.97	-112.01	-121.25	-120.16	-121.08	-121.08	-111.12	-134.30	-137.23	-140.00	-119.79	-120.08	-120.06	-117.73	-107.75	-121.77	8.53
5	32.00	5.244	-119.21	-140.48	-131.05	-130.04	-131.30	-126.56	-131.26	-151.83	-157.03	-160.31	-130.49	-131.20	-129.62	-134.21	-129.39	-135.20	12.59
6	25.60	3.760	-109.11	-133.56	-122.87	-122.95	-132.62	-119.52	-123.49	-176.28	174.12	165.79	-120.14	-134.20	-114.02	-130.32	-120.27	-135.48	20.36
7	21.33	3.426	-31.45	-20.77	-53.05	-44.66	-3.73	-49.01	-64.96	20.11	32.25	35.84	-46.04	-48.28	-40.81	-35.67	-17.80	-25.86	30.84
8	18.29	5.221	-10.08	-3.94	-3.15	-3.81	-10.28	-8.30	-3.25	9.10	-10.51	-11.86	-9.93	7.90	-9.54	-7.93	-9.48	-6.65	5.29
9	16.00	13.028	-9.51	-4.40	-6.15	-6.74	-8.30	-7.36	-6.42	-7.67	-7.40	-7.52	-5.16	-4.49	-8.10	-7.88	-6.71	-6.67	2.06
10	14.22	25.790	-6.83	-3.44	-5.01	-4.80	-4.91	-6.34	-3.94	-4.29	-3.43	-3.90	-4.40	-1.23	-7.78	-5.41	-4.15	-4.66	1.51
11	12.80	55.117	-5.40	-3.33	-4.40	-4.15	-4.08	-6.91	-5.50	-2.69	-1.31	-.94	-4.01	-1.95	-7.07	-4.42	-3.81	-4.00	1.74
12	11.64	133.508	-4.61	-1.81	-3.47	-3.05	-3.31	-5.05	-4.86	-2.22	-.85	-.60	-3.01	-1.61	-5.80	-3.34	-2.79	-3.09	1.48
13	10.67	202.397	-5.98	-2.89	-4.92	-4.21	-4.94	-5.76	-6.45	-4.00	-2.69	-2.55	-4.39	-3.63	-8.11	-4.74	-4.18	-4.63	1.45
14	9.85	225.144	-7.09	-5.03	-6.76	-6.40	-6.31	-8.21	-7.75	-5.14	-3.61	-2.65	-6.34	-5.33	-8.11	-6.81	-6.10	-6.11	1.51
15	9.14	170.324	-7.03	-5.11	-6.48	-6.48	-5.70	-9.45	-6.45	-4.52	-3.00	-1.79	-6.18	-4.74	-6.54	-6.58	-5.84	-5.73	1.72
16	8.53	101.243	-5.52	-4.22	-5.86	-5.36	-4.90	-9.40	-7.26	-3.92	-3.13	-2.76	-5.55	-5.11	-8.80	-4.79	-4.76	-5.42	1.79
17	8.00	85.858	-2.81	-2.91	-4.05	-3.32	-2.87	-7.17	-5.88	-1.68	-1.56	-1.27	-3.79	-3.89	-8.30	-2.42	-3.24	-3.68	1.95
18	7.53	72.649	-2.17	-2.76	-3.77	-3.00	-2.58	-5.92	-5.95	-1.35	-1.48	-1.04	-3.55	-4.09	-7.98	-2.25	-2.88	-3.38	1.87
19	7.11	54.923	-.26	-.82	-1.00	-.40	1.51	-1.13	-.70	3.18	3.43	4.49	-.57	-.35	-3.34	-.75	-.53	-.57	1.90
20	6.74	53.722	3.58	4.79	3.58	3.55	6.25	8.05	4.49	4.31	8.45	10.01	3.88	4.36	3.72	5.06	4.97	5.27	1.95
21	6.40	49.716	6.19	7.36	6.85	6.57	8.97	8.60	6.83	10.92	11.24	12.98	7.00	7.18	7.21	8.49	8.28	8.28	1.91
22	6.10	42.439	8.21	10.62	8.65	8.98	11.28	11.59	7.97	13.45	14.10	15.33	9.01	9.05	8.12	11.61	10.56	10.57	2.24
23	5.82	35.796	7.93	12.67	9.37	10.24	12.15	14.36	9.08	14.36	15.05	16.05	10.02	10.09	8.53	13.75	11.45	11.67	2.50
24	5.57	23.474	8.59	14.63	12.43	12.93	17.66	19.25	12.55	19.88	17.23	18.45	12.95	12.88	12.06	21.49	13.74	15.11	3.51
25	5.33	22.726	13.52	14.18	13.24	13.61	20.27	18.60	13.24	22.68	19.30	20.20	13.51	13.71	12.20	22.18	14.98	16.36	3.58
26	5.12	22.584	14.99	14.53	11.90	12.55	19.90	19.90	11.97	24.75	19.04	20.08	12.33	12.25	10.29	21.65	15.20	15.73	4.07
27	4.92	17.614	14.31	18.65	13.48	14.41	22.51	22.51	9999.99	12.81	19.04	20.38	14.45	13.55	12.75	9999.99	17.20	16.77	3.79
28	4.74	11.399	13.02	18.71	15.72	16.33	27.50	27.50	9999.99	12.56	30.26	23.78	16.66	15.89	15.89	9999.99	18.34	19.18	4.98
29	4.57	8.959	11.68	16.99	13.16	12.42	24.95	24.95	9999.99	12.66	28.16	22.67	14.29	13.75	12.90	9999.99	17.47	17.35	5.49
30	4.41	7.058	15.83	17.42	15.46	13.90	24.30	24.30	9999.99	14.55	22.17	24.57	16.16	16.37	14.32	9999.99	17.96	18.55	4.39
31	4.27	5.031	21.70	18.73	19.62	17.89	26.28	26.28	9999.99	18.65	25.00	25.91	19.81	20.36	18.62	9999.99	19.42	21.65	3.59

Table B.4 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 01/02/94 13:00 HOURS Hmo=.85 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² *2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	28.00	2.167	-151.82	-132.65	-131.64	-138.98	-137.57	-135.04	-106.20	-104.28	-100.17	-131.57	-131.90	-132.93	-132.66	-132.49	-127.19	42.30	
3	64.00	4.460	-124.98	-110.22	-122.71	-124.87	-121.83	-104.46	-126.80	-129.28	-128.50	-122.94	-121.95	-123.88	-121.60	-107.33	-120.79	7.18	
4	42.67	4.751	-116.31	-107.03	-124.87	-123.54	-125.13	-102.56	-128.47	-131.35	-132.62	-125.03	-123.65	-121.89	-124.45	-104.68	-121.17	9.00	
5	32.00	3.376	-123.84	-109.73	-133.95	-131.47	-136.28	-105.75	-134.04	-138.75	-140.15	-133.95	-133.88	-133.67	-131.96	-107.29	-128.81	11.16	
6	25.60	2.524	-146.31	-129.66	-154.35	-156.23	-146.66	-153.83	-156.89	-165.08	-168.27	-154.76	-152.61	-152.66	-137.81	-123.38	-148.36	13.04	
7	21.33	2.420	-63.60	-24.05	-27.14	-19.89	-43.71	-22.29	-47.93	-102.79	-164.86	-21.86	-20.50	-62.68	-38.86	-58.65	-43.52	56.72	
8	18.29	3.878	-17.61	-11.51	-12.12	-14.72	-14.06	-13.71	-13.43	-12.26	-10.43	-11.49	1.40	-18.99	-14.61	-10.67	-12.31	4.29	
9	16.00	8.018	-9.88	-7.65	-7.75	-10.65	-9.96	-12.97	-10.74	-7.36	-8.28	-7.42	4.38	-19.38	-7.94	-6.27	-8.75	4.67	
10	14.22	12.945	-4.90	-5.15	-2.95	-5.28	-5.28	-7.63	-10.68	-3.19	-3.45	-2.79	4.80	-11.07	-3.72	-2.94	-4.39	3.65	
11	12.80	20.001	-6.29	-2.61	-3.27	-4.30	-5.05	-6.82	-4.77	-4.03	-3.68	-2.74	1.46	-7.17	-4.43	-3.13	-4.05	1.99	
12	11.64	62.034	-9.59	-7.03	-8.70	-6.94	-8.15	-11.08	-5.58	-7.99	-7.40	-8.32	1.46	-11.16	-8.70	-7.70	-8.38	1.68	
13	10.67	122.937	-7.79	-5.87	-7.66	-6.94	-6.91	-10.44	-6.79	-6.22	-5.33	-5.42	-6.51	-11.16	-7.23	-6.52	-7.20	1.58	
14	9.85	133.820	-5.32	-3.25	-5.09	-4.73	-4.24	-7.38	-4.11	-3.11	-1.77	-1.10	-4.69	-6.74	-4.72	-4.14	-4.26	1.46	
15	9.14	119.943	-6.07	-4.24	-5.76	-5.62	-5.43	-7.73	-5.88	-4.27	-2.82	-1.64	-4.30	-6.86	-6.00	-5.28	-5.14	1.36	
16	8.53	93.684	-6.33	-4.21	-5.55	-5.21	-5.60	-7.72	-6.63	-4.57	-3.30	-2.22	-5.10	-6.86	-6.15	-5.27	-5.29	1.36	
17	8.00	61.863	-5.59	-2.30	-4.79	-4.28	-4.73	-5.20	-2.89	-2.89	-1.45	-1.44	-3.61	-5.44	-4.76	-3.59	-3.81	1.44	
18	7.53	48.280	-5.44	-1.71	-4.28	-3.86	-3.16	-4.94	-2.72	-2.06	-1.72	-1.72	-3.51	-5.14	-4.15	-2.63	-3.28	1.66	
19	7.11	40.665	-2.19	1.32	-1.20	-0.68	1.28	-0.39	-1.39	-0.57	0.66	-0.64	-2.26	-2.71	-3.6	-85	-42	2.15	
20	6.74	37.411	1.53	5.74	2.53	3.53	5.63	6.58	2.38	2.78	3.87	5.33	-2.26	-4.4	5.57	4.77	4.59	2.51	
21	6.40	33.542	6.48	9.80	6.88	8.04	10.48	12.68	5.87	7.18	8.24	8.98	3.25	3.45	7.28	9.33	8.97	2.90	
22	6.10	30.069	10.04	10.83	9.06	9.89	13.14	13.75	8.17	15.13	12.49	12.90	7.54	7.28	10.33	11.49	11.24	2.81	
23	5.82	19.433	12.63	12.31	12.75	13.17	17.02	15.94	12.09	19.18	18.26	18.98	9.42	9.19	13.36	14.07	14.68	2.78	
24	5.57	10.789	14.17	12.21	12.72	12.77	22.53	17.35	11.80	25.09	19.57	20.51	12.92	12.90	10.22	17.68	16.27	4.90	
25	5.33	8.849	11.54	12.21	8.25	8.22	22.31	17.05	7.78	25.05	17.11	19.06	9.06	8.26	6.45	23.20	13.28	6.05	
26	5.12	9.052	13.01	13.84	10.57	11.30	20.49	9999.99	10.29	22.99	19.20	20.22	11.36	10.91	20.47	14.88	14.95	4.53	
27	4.92	7.400	10.69	14.91	13.22	14.12	18.11	9999.99	12.80	20.22	19.55	20.19	13.82	13.82	12.81	9999.99	15.88	3.02	
28	4.74	5.723	12.88	14.91	15.94	15.58	21.47	9999.99	15.81	23.82	21.06	22.92	16.15	16.66	16.87	9999.99	17.74	3.25	
29	4.57	4.486	17.08	14.45	20.03	19.83	24.45	9999.99	20.25	27.72	25.00	26.51	19.80	20.73	20.28	9999.99	17.97	3.68	
30	4.41	3.291	19.46	14.15	20.21	20.30	26.44	9999.99	19.62	29.38	26.17	28.60	19.75	20.66	19.69	9999.99	19.39	4.02	
31	4.27	2.294	18.84	17.79	22.85	9999.99	29.59	9999.99	22.53	32.19	28.87	28.83	22.51	23.11	22.20	9999.99	22.67	4.30	

Table B.5 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 01/02/94 16:00 HOURS Hmo=.81 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	DOC	O2D	41D	C24		
2	18.00	1.469	-145.59	-72.57	-107.66	-106.63	-110.62	-43.26	-87.82	-156.32	-167.16	-156.32	-104.19	-101.60	-118.93	-108.44	-61.42	-110.02	34.37
3	64.00	3.329	-135.59	-98.09	-124.37	-125.38	-132.38	-77.39	-124.74	-142.22	-144.68	-141.31	-124.61	-122.78	-125.54	-128.91	-89.17	-122.87	18.83
4	42.67	3.882	-123.43	-105.68	-120.83	-121.25	-125.72	-102.81	-122.79	-140.31	-143.34	-144.76	-121.10	-120.01	-121.00	-124.67	-102.41	-122.66	12.52
5	32.00	3.163	-145.80	-128.20	-144.82	-145.09	-151.14	-127.20	-144.76	-157.10	-161.17	-161.36	-144.89	-145.56	-145.44	-146.40	-127.42	-145.11	10.41
6	25.60	2.181	-150.89	-132.83	-151.15	-153.32	-163.82	-129.60	-154.04	-164.86	-171.15	-170.20	-152.03	-150.59	-154.52	-151.75	-127.85	-151.89	12.78
7	21.33	2.084	-27.40	-20.77	-11.34	-4.77	-12.22	-12.96	-6.59	-8.34	10.37	11.09	-5.17	-16.87	-16.95	-21.39	-18.57	-10.84	10.48
8	18.29	2.921	-4.93	-7.74	-1.27	-4.87	-8.58	-20.68	-1.61	-9.57	-12.42	-16.65	-8.1	10.27	-10.07	-6.86	-8.48	-6.96	7.02
9	16.00	5.915	-5.31	-5.49	-3.38	-6.11	-7.14	-15.30	-1.69	-5.92	-6.55	-7.19	-3.26	3.60	-9.46	-5.64	-5.56	-5.49	3.56
10	14.22	12.658	-5.63	-4.32	-5.71	-6.37	-5.38	-11.03	-6.34	-3.48	-2.56	-1.46	-5.49	-2.91	-8.56	-5.25	-4.41	-5.26	2.30
11	12.80	16.096	-8.31	-6.34	-8.00	-7.93	-7.46	-12.00	-6.32	-6.83	-6.31	-6.53	-7.71	-6.22	-10.82	-7.50	-6.67	-7.66	1.63
12	11.64	27.641	-12.63	-10.83	-12.64	-12.25	-12.06	-15.62	-12.76	-11.52	-10.45	-10.28	-12.17	-10.74	-14.62	-12.72	-11.77	-12.20	1.41
13	10.67	66.174	-13.40	-10.54	-12.93	-11.98	-12.86	-15.80	-12.12	-10.34	-9.64	-9.64	-12.30	-12.22	-15.32	-13.05	-11.99	-12.54	1.59
14	9.85	101.285	-10.55	-6.96	-9.81	-8.86	-9.47	-10.09	-12.22	-8.67	-6.77	-6.18	-9.20	-9.30	-11.37	-9.74	-8.31	-9.17	1.60
15	9.14	104.075	-6.10	-3.88	-5.94	-5.39	-4.67	-8.51	-7.13	-5.57	-2.16	-1.31	-5.57	-5.28	-6.95	-5.17	-4.40	-5.07	1.80
16	8.53	109.772	-6.45	-3.90	-5.65	-5.02	-4.47	-8.60	-5.55	-3.36	-1.76	-1.07	-5.23	-4.58	-6.97	-5.18	-4.49	-4.82	1.82
17	8.00	79.152	-6.71	-4.03	-6.13	-5.39	-5.06	-4.77	-8.31	-5.80	-4.16	-2.70	-2.19	-2.29	-3.83	-2.67	-2.57	-2.32	1.61
18	7.53	54.577	-2.90	-2.14	-3.42	-2.25	-1.75	-5.00	-3.30	-5.0	3.8	1.48	-3.11	-2.29	-3.83	-2.67	-2.57	-2.32	1.61
19	7.11	49.905	-1.79	-1.71	-2.42	-2.25	-1.75	-5.00	-3.30	-5.0	3.8	1.48	-3.11	-2.29	-3.83	-2.67	-2.57	-2.32	1.61
20	6.74	38.535	1.26	-3.3	-3.7	-4.5	2.48	-4.3	4.14	4.17	5.49	6.77	6.2	1.37	2.25	2.98	1.68	2.24	2.68
21	6.40	31.294	1.65	1.17	3.8	5.4	3.96	2.7	6.8	5.69	5.54	6.77	6.2	1.37	2.25	2.98	1.68	2.24	2.68
22	6.10	23.900	3.54	3.59	3.58	3.70	8.78	8.30	3.75	10.72	9.05	10.46	3.72	4.17	2.42	9.94	5.05	6.05	2.95
23	5.82	20.585	6.59	6.35	6.30	6.31	13.75	11.63	6.27	16.03	13.08	14.95	6.44	6.91	5.30	15.88	8.33	9.61	3.94
24	5.57	16.887	8.56	7.49	7.96	7.76	15.58	9999.99	7.76	18.23	14.95	16.92	8.15	9.09	7.09	17.85	9.04	11.17	4.22
25	5.33	12.840	9.27	8.19	8.42	8.00	17.17	15.58	8.62	19.46	14.59	16.83	8.78	9.34	7.76	20.20	9.76	11.88	4.49
26	5.12	10.604	12.39	11.76	10.37	11.11	19.90	9999.99	10.61	21.93	16.58	18.09	11.09	11.04	11.04	23.18	12.89	14.32	4.49
27	4.92	8.876	11.75	12.21	9.86	10.89	21.16	9999.99	9.48	23.45	17.55	17.55	10.73	10.70	9.27	23.18	13.16	14.48	5.09
28	4.74	6.148	8.80	11.32	9.98	10.46	20.86	9999.99	8.74	22.94	20.03	22.22	10.80	10.83	9.58	19.87	14.78	14.37	5.31
29	4.57	4.363	9.63	11.05	10.35	10.12	21.59	9999.99	9.09	24.24	21.02	23.16	11.20	11.27	10.07	19.60	15.29	14.83	5.54
30	4.41	3.581	13.01	12.71	12.58	12.33	21.50	9999.99	12.01	24.17	22.74	23.71	13.23	13.33	10.62	19.95	17.02	16.35	4.79
31	4.27	2.425	13.76	14.61	12.85	14.24	22.15	9999.99	12.23	24.46	23.92	24.21	13.87	13.24	9.80	19.82	18.71	16.99	4.87

Table B.6 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 01/02/94 19:00 HOURS Hmo=.82 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	012	34C	D03	D24	C1D	4CS	DOE	CBI	CB2	CB0	D04	D0C	02D	41D	C24	Mean dir	Std dev
2	28.00	1.498	-173.22	-173.54	-104.77	-121.84	-129.14	-158.49	-119.96	-143.23	-144.76	-143.26	-99.41	-122.86	-125.57	-102.22	-169.70	-132.92	22.13
3	64.00	2.440	-138.53	-151.42	-145.62	-150.85	-143.95	-154.89	-142.61	-152.10	-158.74	-159.17	-146.01	-143.89	-142.62	-142.01	-150.74	-148.21	6.10
4	42.67	2.520	-157.23	-152.23	-159.98	-163.12	-163.00	-160.82	-158.47	-168.16	-172.24	-172.77	-160.41	-159.02	-156.90	-159.74	-153.96	-161.20	5.74
5	32.00	2.559	-152.19	-154.57	-153.33	-158.10	-158.38	-149.48	-155.23	-165.68	-171.60	-172.62	-154.39	-153.11	-151.91	-154.28	-150.67	-157.01	6.99
6	25.60	2.437	-148.18	-156.18	-150.77	-154.79	-163.55	-151.64	-149.79	-175.75	-175.55	-170.21	-151.94	-150.63	-153.85	-155.85	-149.84	-158.98	12.87
7	21.33	2.223	-34.02	-3.33	-46.25	-30.36	-8.91	-20.24	-68.72	150.28	132.82	121.52	-32.28	-42.46	25.31	-21.89	-11.84	-23.65	67.61
8	18.29	2.974	-14.93	-6.42	-12.55	-12.94	-10.51	-12.72	-14.34	-11.79	-13.20	-18.34	-10.64	98	19.94	-11.59	-8.01	-11.80	4.76
9	16.00	6.018	-11.08	-7.77	-9.34	-10.75	-9.65	-11.83	-9.73	-7.83	-7.94	-9.35	-8.88	-22	19.50	-8.77	-6.89	-9.30	3.75
10	14.22	11.912	-8.98	-5.53	-5.75	-6.57	-8.34	-10.84	-8.06	-5.91	-5.08	-4.39	-5.36	.09	14.41	-6.87	-5.95	-6.81	3.10
11	12.80	20.510	-6.81	-4.40	-5.08	-5.23	-6.65	-10.00	-8.06	-4.62	-3.66	-2.86	-4.73	-2.10	11.61	-5.55	-5.17	-5.77	2.46
12	11.64	40.933	-8.35	-6.67	-7.59	-7.57	-7.48	-11.88	-9.14	-5.91	-4.24	-2.92	-7.28	-5.41	10.14	-7.92	-7.23	-7.31	2.14
13	10.67	87.276	-9.38	-6.93	-8.64	-8.26	-8.30	-11.64	-10.53	-7.07	-5.29	-4.02	-8.18	-7.10	10.31	-8.88	-7.98	-8.16	1.89
14	9.85	116.021	-10.45	-6.55	-9.13	-8.33	-9.04	-10.18	-10.39	-8.25	-6.66	-6.02	-8.45	-8.05	11.49	-9.28	-8.12	-8.69	1.50
15	9.14	110.577	-10.29	-6.76	-8.96	-8.45	-8.45	-10.80	-8.91	-7.61	-5.96	-5.08	-8.35	-7.47	9.98	-9.39	-7.72	-8.28	1.52
16	8.53	89.567	-7.28	-5.12	-6.47	-6.23	-5.10	-10.56	-5.69	-3.91	-2.33	-1.24	-6.03	-4.58	6.62	-6.75	-6.62	-5.55	2.08
17	8.00	71.641	-4.56	-2.55	-4.47	-4.18	-1.89	-7.91	-3.51	-4.8	.87	2.02	-4.03	-2.97	4.29	-3.44	-2.36	-2.92	2.33
18	7.53	67.741	-6.85	-2.63	-5.22	-4.59	-3.97	-7.43	-2.81	-8.6	-2.5	1.11	-2.2	-3.95	5.65	-4.84	-3.47	-4.11	1.96
19	7.11	48.255	-5.49	-1.82	-3.82	-3.42	-2.68	-4.60	-3.94	-1.49	-2.5	1.11	-3.23	-2.86	4.48	-3.40	-2.77	-2.88	1.65
20	6.74	35.672	-4.62	-2.98	-5.00	-4.45	-2.67	-6.86	-5.55	-1.38	-4.8	.86	-4.47	-4.19	6.42	-4.57	-3.74	-2.88	1.65
21	6.40	31.913	-2.54	-3.60	-4.88	-4.55	-1.05	-12.66	-5.55	.52	.62	2.14	-4.60	-4.14	6.60	-4.11	-2.75	-3.58	3.42
22	6.10	25.587	-.97	-.44	-.76	-.65	-.44	9999.99	-1.51	5.33	4.05	6.10	-5.8	-.24	1.18	52	1.18	1.18	2.50
23	5.82	17.215	2.38	1.53	1.90	1.68	7.93	9999.99	1.99	9.92	6.60	8.82	2.05	2.48	1.68	9999.99	2.98	3.99	2.98
24	5.57	11.666	2.11	3.17	2.76	3.01	9999.99	9999.99	2.77	9999.99	8.22	10.24	3.11	2.95	1.66	9999.99	4.76	4.07	2.57
25	5.33	10.819	-.59	3.68	-.21	1.93	9999.99	9999.99	-.95	9999.99	9.65	12.40	1.25	37	2.60	9999.99	5.52	2.77	4.47
26	5.12	12.701	2.36	5.47	3.14	4.11	9999.99	9999.99	2.71	9999.99	13.85	16.47	4.14	4.05	.73	9999.99	8.59	5.96	4.76
27	4.92	9.597	6.22	5.52	5.97	6.39	9999.99	9999.99	5.56	9999.99	18.27	20.42	6.31	6.72	3.82	9999.99	11.31	8.76	5.29
28	4.74	6.538	7.69	5.05	4.77	5.24	9999.99	9999.99	3.85	9999.99	17.71	19.92	5.34	5.03	2.29	9999.99	11.86	8.06	5.99
29	4.57	3.954	7.82	6.52	2.73	3.09	9999.99	9999.99	1.68	9999.99	16.79	19.24	3.96	2.90	1.55	9999.99	12.16	7.12	5.96
30	4.41	2.534	3.31	9.08	4.05	5.55	9999.99	9999.99	2.71	9999.99	21.91	23.14	5.55	4.24	1.37	9999.99	15.50	8.74	7.44
31	4.27	1.753	9.92	11.43	15.36	13.72	9999.99	9999.99	15.37	9999.99	25.33	26.41	13.57	15.83	13.03	9999.99	18.03	16.54	4.90

Table B.7 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 01/02/94 22:00 HOURS Hmo=.76 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	18.00	980	-146.10	-92.18	-147.88	-148.23	-149.19	-85.95	-132.73	-80.85	-81.33	-83.62	-148.77	-153.65	-147.87	-143.94	-87.36	-124.03	31.28
3	64.00	1.612	-119.45	-94.44	-132.49	-129.33	-128.21	-75.33	-131.69	-127.45	-127.50	-129.47	-132.42	-131.91	-131.21	-128.50	-92.64	-21.23	17.38
4	42.67	1.814	-138.84	-102.04	-136.57	-136.57	-134.69	-85.23	-137.02	-135.49	-135.04	-134.46	-136.77	-137.15	-136.75	-132.20	-97.74	-128.17	16.76
5	32.00	1.850	-156.46	-138.42	-165.12	-163.23	-159.31	-138.42	-164.26	-160.15	-160.78	-162.73	-166.13	-168.35	-172.70	-153.74	-131.13	-157.61	11.77
6	25.60	1.786	-157.36	-179.08	-173.46	-178.40	-173.17	-158.42	-172.71	-179.77	-170.85	-166.56	-176.66	-172.62	-172.01	-168.47	-158.94	-176.67	11.35
7	21.33	2.036	-111.46	-6.30	-144.47	-155.04	-174.89	-83	-143.64	-168.87	-150.04	-142.20	-147.02	-145.84	-163.85	-148.57	-39.35	-152.20	65.41
8	18.29	2.439	-20.25	-17.74	-21.07	-23.32	-14.94	-27.90	-30.24	-15.51	-16.65	-19.28	-19.72	-4.80	-15.10	-23.37	-16.13	-19.07	5.83
9	16.00	3.942	-15.78	-13.60	-12.70	-13.08	-14.57	-17.53	-16.60	-12.78	-12.98	-12.97	-12.26	-3.90	-19.72	-14.35	-12.71	-13.64	3.97
10	14.22	7.561	-10.64	-8.79	-6.98	-9.13	-11.39	-12.45	-14.34	-8.48	-8.41	-6.07	-6.71	.86	-14.78	-9.44	-9.25	-9.07	3.64
11	12.80	11.870	-8.64	-6.97	-5.42	-7.66	-9.75	-12.33	-13.81	-6.84	-6.41	-3.00	-5.20	.35	-9.85	-8.12	-8.20	-7.46	3.36
12	11.64	29.276	-10.13	-7.68	-7.34	-8.40	-9.96	-11.71	-14.23	-8.20	-7.16	-4.91	-7.09	-4.17	-11.04	-8.92	-8.72	-8.64	2.48
13	10.67	75.177	-9.80	-6.03	-7.45	-7.12	-8.63	-9.74	-10.11	-7.51	-6.49	-5.94	-6.92	-5.40	-10.80	-7.69	-7.32	-7.93	1.90
14	9.85	100.166	-9.06	-5.65	-6.85	-7.01	-7.78	-9.32	-8.10	-6.46	-5.04	-3.79	-6.38	-4.23	-10.10	-7.66	-7.06	-6.97	1.75
15	9.14	96.389	-6.74	-4.69	-5.07	-5.25	-5.90	-7.78	-6.82	-4.59	-3.76	-2.30	-4.77	-3.97	-7.48	-5.76	-5.29	-5.55	1.79
16	8.53	80.980	-5.37	-3.49	-4.06	-4.06	-4.07	-7.97	-6.82	-2.66	-1.76	-5.0	-3.73	-3.37	-6.71	-4.17	-3.76	-4.15	1.87
17	8.00	62.351	-6.73	-4.65	-6.24	-5.92	-5.69	-7.36	-7.53	-4.45	-3.26	-2.01	-5.76	-5.27	-8.00	-6.23	-5.45	-5.64	1.54
18	7.53	53.167	-8.20	-5.76	-7.56	-6.73	-6.55	-10.08	-8.78	-5.63	-4.54	-3.80	-6.92	-6.87	-11.04	-7.38	-6.12	-7.06	1.85
19	7.11	39.408	-6.81	-5.07	-5.89	-5.13	-3.24	-12.20	-5.75	-2.12	-1.73	-6.6	-5.29	-5.14	-9.32	-4.55	-3.87	-5.12	2.80
20	6.74	29.123	-5.40	-3.85	-6.02	-5.21	-2.10	-4.92	-6.35	-7.9	-6.7	.82	-5.38	-5.41	-8.98	-3.42	-3.40	-4.07	2.47
21	6.40	23.866	-2.28	-2.81	-2.22	-2.22	2.80	9999.99	-3.38	4.54	3.53	5.30	-2.31	-2.29	-4.93	2.22	.05	-1.9	3.14
22	6.10	20.448	-2.23	-2.02	-1.87	-3.32	5.82	9999.99	-1.31	7.50	5.03	7.01	-4.2	-5.1	-2.89	5.44	1.69	1.85	3.38
23	5.82	15.380	1.67	-3.9	-1.8	-0.6	9.95	9999.99	.63	12.14	6.88	9.74	.21	.58	.27	10.13	2.48	3.86	4.57
24	5.57	14.219	2.26	3.18	1.96	2.42	12.44	9999.99	2.57	14.79	10.70	13.78	2.86	2.71	1.97	13.41	5.91	6.50	5.02
25	5.33	13.246	4.23	5.84	4.45	5.35	14.97	9999.99	3.70	17.56	14.27	16.95	5.63	5.21	3.23	15.43	9.04	8.99	5.31
26	5.12	10.734	6.46	6.17	5.90	6.17	19.52	9999.99	5.25	22.30	17.23	20.22	6.63	6.69	3.57	20.64	10.87	11.06	7.00
27	4.92	6.866	5.68	5.53	11.59	10.00	23.97	9999.99	11.61	26.82	21.25	23.31	11.27	12.64	10.17	25.67	13.55	15.21	7.13
28	4.74	4.987	3.88	6.72	4.26	4.07	27.46	9999.99	4.72	30.61	19.60	21.80	5.10	6.09	4.32	29.02	12.86	12.86	10.10
29	4.57	4.306	6.87	6.79	5.02	4.21	24.43	9999.99	4.35	27.45	20.20	22.08	5.80	6.69	4.17	25.70	13.64	12.65	8.84
30	4.41	3.094	9.53	10.29	10.45	7.38	22.45	9999.99	9.92	25.99	24.31	25.90	10.79	11.88	7.21	23.36	17.14	15.46	7.06
31	4.27	1.946	14.73	13.59	9999.99	9999.99	24.21	9999.99	9999.99	26.89	26.77	27.04	9999.99	9999.99	9999.99	25.62	19.97	22.56	5.20

Table B.8 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 01:00 HOURS Hmo=.70 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	CID	4C5	D0E	CBI	CB2	CB0	D04	D0C	O2D	41D	C24		
2	28.00	949	-112.17	-84.62	-123.96	-120.07	-104.27	-45.10	-127.68	-134.41	-152.77	-156.53	-124.15	-111.26	-120.46	-121.36	-58.99	-112.75	32.18
3	64.00	1.693	-110.82	-86.47	-122.46	-119.37	-121.58	-94.80	-119.48	-131.48	-133.21	-135.83	-120.76	-119.27	-115.80	-120.49	-56.90	-116.68	13.63
4	42.67	2.031	-106.84	-96.90	-131.85	-127.46	-132.84	-98.91	-132.00	-139.01	-140.64	-147.33	-131.75	-131.01	-126.16	-132.31	-99.09	-125.09	15.73
5	32.00	1.891	-140.99	-123.02	-144.86	-143.17	-153.08	-121.58	-144.57	-149.41	-150.38	-149.91	-144.71	-146.35	-149.76	-146.95	-122.26	-142.13	10.35
6	25.60	1.570	-136.88	-118.02	-136.52	-137.33	-146.40	-117.17	-136.80	-151.07	-153.44	-153.77	-136.48	-136.60	-137.06	-138.71	-116.81	-136.90	11.55
7	21.33	1.495	-78.59	-70.58	-98.70	-99.75	-94.96	-65.55	-96.97	-114.89	-118.78	-120.26	-100.05	-93.40	-78.36	-104.02	-60.83	-93.12	18.02
8	18.29	1.991	-24.16	-19.27	-28.68	-31.37	-16.23	-30.04	-32.07	-16.07	-18.06	-23.71	-27.79	-8.9	-35.06	-24.36	-17.64	-24.33	10.93
9	16.00	3.167	-15.47	-11.10	-9.14	-11.74	-12.33	-16.15	-25.73	-11.28	-13.29	-16.34	-8.08	11.58	-22.83	-11.85	-10.56	-12.33	7.91
10	14.22	6.835	-9.18	-9.07	-4.13	-6.36	-11.41	-15.24	-9.73	-9.11	-10.47	-10.33	-4.14	3.12	-19.98	-7.25	-8.75	-8.68	4.84
11	12.80	12.966	-9.80	-8.37	-7.36	-8.21	-10.79	-10.28	-3.81	-10.30	-11.48	-12.88	-7.22	-3.78	-16.74	-8.47	-8.95	-9.24	3.16
12	11.64	28.316	-9.15	-6.48	-8.22	-8.72	-8.10	-8.94	-3.64	-7.95	-7.65	-8.26	-7.86	-4.57	-10.64	-8.08	-7.25	-7.70	1.68
13	10.67	71.741	-6.84	-5.07	-6.73	-7.14	-5.99	-8.79	-7.99	-4.61	-3.25	-1.91	-6.47	-4.23	-6.98	-6.29	-5.86	-5.88	1.74
14	9.85	108.959	-5.20	-5.02	-5.66	-5.74	-5.11	-9.72	-7.70	-3.79	-3.02	-1.96	-5.51	-4.45	-7.47	-5.19	-5.18	-5.38	1.82
15	9.14	85.967	-5.53	-3.75	-5.13	-4.60	-4.66	-6.86	-6.65	-3.64	-2.79	-2.42	-4.74	-4.32	-8.50	-4.70	-4.09	-4.82	1.53
16	8.53	64.151	-6.19	-2.59	-4.65	-3.85	-4.61	-4.03	-5.12	-3.69	-2.30	-2.01	-5.33	-3.55	-8.11	-4.59	-3.85	-4.21	1.47
17	8.00	44.122	-6.26	-4.30	-5.77	-5.38	-4.35	-7.36	-4.13	-3.45	-2.72	-2.15	-5.33	-4.39	-7.69	-5.27	-4.78	-4.89	1.48
18	7.53	33.640	-5.44	-5.47	-6.18	-6.08	-3.59	-8.15	-6.00	-2.53	-3.26	-2.06	-5.97	-5.75	-8.21	-4.69	-4.90	-5.22	1.73
19	7.11	27.702	-6.14	-5.21	-6.48	-5.79	-3.91	-4.62	-6.64	-2.79	-3.22	-1.97	-6.00	-6.16	-9.65	-4.86	-4.90	-5.22	1.80
20	6.74	17.583	-6.84	-3.04	-6.26	-5.16	-2.71	-2.98	-4.32	-1.73	-1.71	-1.62	-5.27	-4.97	-9.59	-3.86	-4.02	-4.21	2.21
21	6.40	13.446	-5.25	-1.12	-3.85	-3.14	.87	9999.99	-3.11	1.88	.02	1.94	-3.07	-3.58	-7.10	-1.23	-1.67	-1.85	2.67
22	6.10	10.163	-5.36	-2.53	-5.49	-4.56	3.34	9999.99	-4.84	4.44	-7.0	2.21	-4.77	-6.01	-9.91	9999.99	-1.91	-2.78	3.98
23	5.82	8.283	-3.32	-2.17	-5.54	-4.51	8.19	9999.99	-5.17	9.59	94	4.00	-4.51	-5.30	-8.27	9999.99	-1.20	-1.33	5.30
24	5.57	6.169	-3.90	-1.54	-6.90	-4.14	9999.99	9999.99	-8.86	9999.99	7.07	9.66	-4.96	-5.39	-11.44	9999.99	2.05	-2.41	6.02
25	5.33	5.089	-4.51	-2.1	-8.58	-2.02	9999.99	9999.99	-4.07	9999.99	8.48	10.35	-5.98	-6.50	-13.00	9999.99	2.94	-2.83	7.05
26	5.12	5.350	-3.93	9.47	-4.05	4.3	9999.99	9999.99	-4.6	9999.99	17.33	19.71	-1.55	-2.55	-6.26	9999.99	5.69	9.1	5.99
27	4.92	4.622	3.95	13.57	9999.99	2.16	9999.99	9999.99	43	9999.99	27.65	29.22	2.51	1.73	-1.71	9999.99	11.63	6.05	7.02
28	4.74	4.637	15.95	13.57	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	27.65	29.22	9999.99	9999.99	9999.99	9999.99	19.42	21.16	6.24
29	4.57	4.037	18.70	19.68	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	31.55	31.90	9999.99	9999.99	9999.99	9999.99	24.68	25.30	5.62
30	4.41	4.504	27.86	26.77	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	36.63	36.24	9999.99	9999.99	9999.99	9999.99	30.94	31.69	4.11
31	4.27	5.318	38.74	35.07	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	43.67	43.63	9999.99	9999.99	9999.99	9999.99	36.42	39.11	4.13

Table B.9 TABLE : POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 04:00 HOURS Hmo=.92 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std													
			012	34C	D03	D04	D24	C1D	4C5	D0E	C1B	C1C	C1D	C1E	C1F	C1G	C1H			C1I	C1J	C1K	C1L	C1M	C1N	C1O	C1P	C1Q	C1R	C1S	C1T	C1U
2	128.00	1.235	-139.86	-131.16	-146.19	-148.93	-137.76	96.59	-69.65	-72.49	-76.67	-147.14	-148.48	-149.28	-143.96	-143.96	-130.30	-133.17	-133.17	44.11	44.11											
3	64.00	2.316	-128.49	-103.25	-120.97	-123.95	-117.56	-117.09	-115.21	-115.21	-112.75	-120.03	-119.30	-121.14	-121.49	-121.49	-101.33	-115.61	-115.61	9.75	9.75											
4	42.67	2.159	-126.00	-111.70	-123.91	-124.91	-105.28	-121.91	-132.37	-134.95	-134.11	-122.80	-122.87	-124.22	-121.70	-109.08	-122.67	-122.67	8.19	8.19												
5	32.00	1.784	-145.91	-121.81	-141.25	-143.76	-116.89	-142.45	-151.92	-155.80	-155.54	-141.62	-141.65	-141.00	-138.23	-117.24	-140.08	-140.08	11.86	11.86												
6	25.60	1.541	-164.77	-111.01	-151.17	-159.05	-106.50	-147.70	-177.64	-175.52	-169.07	-152.34	-148.75	-146.01	-142.14	-100.93	-150.06	-150.06	25.75	25.75												
7	21.33	1.426	-60.50	-42.81	-68.33	-58.66	-56.81	-66.20	-87.09	-73.75	-69.07	-59.40	-56.25	-65.27	-64.20	-44.05	-62.94	-62.94	10.78	10.78												
8	18.29	2.060	-20.60	-15.20	-23.37	-23.50	-16.45	-24.67	-20.43	-18.49	-21.23	-19.72	-6.31	-20.33	-21.63	-17.07	-19.03	-19.03	4.35	4.35												
9	16.00	3.016	-15.32	-6.85	-12.17	-14.81	-13.67	-11.29	-16.40	-14.79	-16.46	-10.35	-2.79	-8.39	-15.27	-11.68	-11.94	-11.94	4.71	4.71												
10	14.22	5.084	-13.91	-6.30	-9.76	-10.82	-12.80	-11.40	-16.28	-14.70	-10.24	-8.59	-2.79	-13.32	-11.49	-10.39	-10.72	-10.72	3.08	3.08												
11	12.80	10.496	-10.54	-5.26	-7.77	-7.69	-8.99	-10.36	-10.36	-7.57	-6.32	-5.30	-4.71	-11.58	-8.26	-7.06	-7.85	-7.85	1.97	1.97												
12	11.64	23.570	-8.02	-6.14	-7.85	-7.73	-7.28	-9.91	-8.33	-6.17	-5.16	-4.21	-3.41	-9.06	-7.53	-6.91	-7.17	-7.17	1.43	1.43												
13	10.67	67.299	-8.69	-6.92	-8.74	-8.56	-7.71	-12.06	-8.91	-6.70	-5.41	-4.57	-3.82	-7.12	-6.36	-5.91	-6.27	-6.27	1.56	1.56												
14	9.85	131.791	-9.32	-6.89	-8.87	-8.57	-8.13	-12.06	-9.23	-7.32	-5.96	-5.33	-4.84	-8.47	-7.81	-7.37	-7.72	-7.72	1.56	1.56												
15	9.14	123.184	-9.00	-6.44	-8.26	-7.72	-7.56	-11.62	-8.38	-6.79	-5.44	-4.84	-4.84	-7.86	-7.37	-7.04	-7.30	-7.30	1.66	1.66												
16	8.53	76.830	-8.25	-5.36	-7.56	-6.95	-6.41	-10.47	-7.37	-5.55	-4.08	-3.43	-3.43	-7.04	-6.45	-6.11	-6.45	-6.45	1.46	1.46												
17	8.00	57.243	-6.30	-4.08	-6.45	-5.70	-5.16	-7.94	-6.80	-4.22	-3.07	-2.36	-2.36	-5.88	-5.64	-5.64	-5.64	-5.64	1.48	1.48												
18	7.53	42.831	-4.52	-3.89	-5.30	-4.83	-3.55	-6.20	-5.50	-2.38	-1.70	-1.70	-1.70	-4.89	-4.48	-4.48	-4.48	-4.48	2.21	2.21												
19	7.11	26.699	-5.22	-3.34	-4.11	-3.58	-1.07	-5.75	-4.37	-3.35	-4.1	-3.63	-3.10	-5.61	-4.48	-4.48	-4.48	-4.48	2.21	2.21												
20	6.74	21.130	-2.36	-1.19	-1.22	-1.22	-0.63	-2.51	-2.05	-1.27	-0.85	-0.75	-0.75	-4.54	-3.10	-3.10	-3.10	-3.10	2.35	2.35												
21	6.40	14.672	1.27	1.05	-1.14	-0.59	0.57	2.68	2.68	1.81	1.81	1.75	1.75	-5.47	-4.48	-4.48	-4.48	-4.48	2.75	2.75												
22	6.10	14.650	5.37	6.54	4.52	5.11	11.95	14.49	3.46	14.33	12.03	13.59	5.19	5.50	3.18	12.20	7.26	7.26	4.08	4.08												
23	5.82	15.191	11.79	9.40	8.32	8.56	17.28	10.77	7.08	20.17	16.12	17.18	8.77	9.02	6.25	17.37	10.86	10.86	4.31	4.31												
24	5.57	20.251	18.45	16.42	15.27	14.86	24.09	17.20	14.85	26.76	25.28	26.12	15.39	15.81	14.11	26.96	18.90	18.90	4.89	4.89												
25	5.33	37.780	23.07	22.64	23.18	22.76	26.10	22.72	28.83	28.32	28.92	23.11	23.64	22.94	27.95	23.48	23.48	23.48	2.56	2.56												
26	5.12	47.345	30.70	27.96	31.78	31.55	32.44	33.13	31.26	34.60	33.69	34.08	31.61	32.13	31.97	33.97	28.65	28.65	1.82	1.82												
27	4.92	59.820	35.21	32.22	37.13	36.88	36.18	34.32	36.91	38.87	38.61	39.27	36.95	37.32	37.29	37.76	32.99	32.99	1.98	1.98												
28	4.74	58.261	36.07	33.20	38.23	37.90	36.99	35.21	38.02	40.17	39.85	40.69	38.41	38.43	38.58	38.58	33.91	33.91	2.09	2.09												
29	4.57	46.477	37.95	36.81	41.72	42.07	40.21	38.85	41.60	43.58	43.40	44.15	41.64	41.79	41.85	41.75	40.98	40.98	2.20	2.20												
30	4.41	33.121	38.99	39.17	45.09	45.94	41.81	40.81	45.08	45.15	45.98	45.08	45.10	45.10	45.11	44.65	43.51	43.51	2.52	2.52												
31	4.27	29.842	40.88	38.71	44.58	45.04	42.54	40.93	44.53	44.59	44.59	44.55	44.55	44.55	44.59	44.59	39.48	39.48	2.13	2.13												

Table B.10 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 07:00 HOURS Hmo=1.22 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C1B	C12	C2B	CBO	D04	D0C	02D	41D		
2	128.00	1.272	-87.60	-17.70	11.60	27.28	12.87	-28.95	-119.48	133.64	111.37	109.55	.47	32.56	-75.75	-33.23	3.95	70.19	
3	64.00	2.017	168.88	125.72	159.30	139.82	140.44	-172.39	155.85	149.69	143.10	139.26	149.39	164.88	175.74	146.27	116.57	150.79	
4	42.67	2.256	159.05	-175.81	-178.31	173.58	158.27	168.20	-172.60	158.23	159.36	156.81	179.29	-175.02	-179.44	170.09	-180.00	172.13	
5	32.00	2.125	-177.53	-161.50	-168.39	-172.58	178.23	-162.08	173.14	173.84	169.49	167.34	-169.06	-165.14	-171.66	-172.02	-162.90	-173.78	
6	25.60	1.747	-165.76	169.71	-170.70	179.20	174.57	-163.79	173.51	171.53	163.45	160.37	-175.13	-161.24	171.90	-176.09	-166.57	-179.67	
7	21.33	1.550	-2.82	8.85	-18.49	19.88	66.65	-1.15	-91.82	93.23	92.65	92.63	8.87	-52.25	22.60	1.14	-9.96	15.25	
8	18.29	2.064	8.57	3.1	-1.22	-1.17	7.72	-4.52	3.45	2.46	-1.44	-9.45	22	9.48	-10.44	4.47	1.69	51.28	
9	16.00	2.847	5.35	7.01	5.68	3.07	-1.31	-3.99	3.32	3.20	1.95	1.03	6.86	16.85	-6.45	3.97	3.83	3.31	
10	14.22	4.790	-1.36	2.93	-3.40	-3.40	-2.66	-4.49	-2.73	-1.79	-1.03	-2.23	0.4	8.78	-3.52	-2.33	99	3.16	
11	12.80	8.089	5.00	0.03	-4.86	-5.41	-3.25	-6.63	15	-4.34	-4.40	-5.89	-3.87	-6.26	-3.45	-5.06	-1.41	-92	
12	11.64	17.468	-8.60	-6.78	-9.45	-9.39	-8.57	-9.31	-8.73	-6.75	-5.60	-5.07	-8.86	-7.80	-10.37	-9.09	-7.75	-7.98	
13	10.67	62.968	-9.83	-8.14	-9.80	-9.35	-8.57	-11.64	-9.37	-7.53	-6.78	-5.68	-9.42	-8.71	-10.31	-9.68	-8.79	-8.75	
14	9.85	125.977	-10.05	-8.92	-10.32	-10.05	-9.22	-13.86	-10.14	-8.21	-6.78	-5.68	-9.99	-9.18	-10.36	-10.25	-9.52	-9.48	
15	9.14	121.447	-10.36	-8.65	-10.43	-10.03	-9.76	-12.35	-11.02	-8.83	-7.31	-6.18	-9.99	-8.44	-10.80	-10.59	-9.69	-9.68	
16	8.53	73.057	-9.09	-7.39	-8.85	-8.50	-8.42	-10.83	-9.63	-7.43	-6.01	-4.75	-8.44	-7.87	-8.94	-9.20	-8.35	-8.25	
17	8.00	49.311	-6.64	-5.00	-7.04	-6.61	-5.97	-10.15	-6.73	-5.00	-3.83	-2.75	-6.50	-5.88	-6.79	-6.86	-6.19	-6.13	
18	7.53	40.809	-5.35	-2.48	-4.59	-4.13	-2.48	-7.52	-3.53	-1.26	.03	1.00	-3.99	-3.06	-4.63	-3.65	-3.12	-3.25	
19	7.11	47.966	-3.84	-7.7	-3.19	-2.44	-1.00	-3.72	-2.67	.25	1.44	2.25	-2.53	-2.07	-4.46	-2.05	-1.29	-1.74	
20	6.74	52.993	-9.3	1.43	-1.40	-7.4	1.55	1.95	-9.0	2.91	3.84	4.75	-7.6	-3.0	-2.18	.51	.82	.70	
21	6.40	62.103	7.71	8.19	6.56	7.03	10.34	9.38	6.63	12.35	12.20	13.02	6.97	7.39	5.92	9.98	8.30	8.80	
22	6.10	103.228	14.19	15.47	13.87	14.43	16.30	13.55	13.77	18.82	19.32	20.06	14.19	14.44	13.15	16.76	15.17	15.57	
23	5.82	139.888	17.62	19.04	18.51	18.94	19.80	15.70	18.49	22.59	23.63	24.38	18.71	18.97	18.05	20.13	18.96	19.57	
24	5.57	163.821	21.11	21.28	21.79	21.82	22.97	19.15	21.64	25.73	26.96	27.63	21.80	22.26	21.47	23.16	21.91	22.71	
25	5.33	182.699	22.93	21.92	22.08	21.79	23.98	21.41	21.95	26.73	27.64	28.28	22.08	22.55	21.85	23.77	22.78	23.45	
26	5.12	165.702	25.32	24.30	24.49	23.57	25.94	25.38	24.32	28.64	29.40	30.13	24.47	25.04	24.58	25.67	24.80	25.74	
27	4.92	108.766	30.22	28.32	30.36	29.30	30.79	29.65	30.21	33.15	33.36	33.83	30.22	30.81	30.54	31.79	29.05	30.77	
28	4.74	79.302	36.04	31.15	31.83	31.07	33.54	9999.99	31.61	37.57	36.73	36.91	31.69	32.20	32.20	37.31	31.91	33.61	
29	4.57	66.289	36.00	29.49	29.48	28.44	32.59	9999.99	29.60	37.58	36.77	36.82	29.33	29.97	27.74	36.56	30.85	32.23	
30	4.41	46.357	30.96	29.76	29.89	27.58	32.41	9999.99	30.41	33.12	32.45	31.48	29.74	30.53	29.40	36.56	31.36	30.70	
31	4.27	33.321	32.14	31.03	9999.99	9999.99	32.16	9999.99	9999.99	33.90	32.07	31.11	9999.99	9999.99	9999.99	9999.99	32.01	32.06	

Table B.11 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 10:00 HOURS Hmo=1.48 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	D I R E C T I O N (degrees) for 15 different gauge triads															D04	D0C	02D	41D	C24	Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	D0C	02D	41D	C24							
2	128.00	1.535	115.94	60.01	62.85	67.69	73.39	56.00	52.09	91.22	91.25	91.24	87.25	91.24	59.56	60.64	57.08	74.29	57.08	75.53	36.66			
3	64.00	2.805	128.55	49.52	46.65	57.13	57.70	44.18	46.20	86.59	87.47	87.25	87.25	87.25	46.33	46.58	36.19	47.52	36.19	47.01	47.01			
4	42.67	2.791	130.36	70.10	77.68	75.10	82.85	60.78	73.87	104.66	102.54	102.39	102.39	102.39	68.83	81.53	60.46	64.27	60.46	86.13	25.76			
5	32.00	2.332	132.11	72.51	107.85	101.86	107.96	111.63	93.51	112.91	109.87	109.48	109.48	109.48	101.54	108.99	62.59	101.10	62.59	100.83	19.70			
6	25.60	2.179	100.02	47.13	114.71	103.01	111.63	42.03	108.95	127.59	125.24	122.38	122.38	122.38	102.71	140.66	102.80	102.80	100.94	31.96				
7	21.33	2.249	88.57	35.86	83.11	80.94	90.99	30.75	86.06	71.12	66.56	59.64	59.64	59.64	76.16	92.85	20.49	78.52	20.49	70.63	22.48			
8	18.29	2.579	18.83	13.35	5.02	7.34	14.79	15.12	11	15.13	13.57	10.30	8.48	8.48	14.71	14.71	13.56	13.56	10.94	4.94				
9	16.00	3.421	2.26	4.75	-1.50	-3.11	-1.89	4.10	-7.45	2.24	2.20	1.21	1.21	1.21	4.3	9.44	9.42	1.08	2.81	5.6				
10	14.22	4.522	-5.63	-3.59	-9.76	-10.88	-7.22	-6.51	-9.03	-6.95	-8.33	-11.91	-8.18	-8.18	-1.70	-1.70	-6.62	-6.62	-4.35	-7.82	3.52			
11	12.80	9.347	-11.00	-7.07	-12.70	-12.68	-9.95	-13.78	-12.16	-9.39	-8.60	-9.74	-11.78	-11.78	-7.99	-7.99	-16.77	-16.77	-10.88	-11.20	2.67			
12	11.64	21.127	-9.87	-7.02	-10.33	-9.76	-8.37	-13.78	-9.64	-7.45	-6.29	-6.37	-9.66	-9.66	-8.04	-8.04	-13.52	-13.52	-9.06	-7.72	2.30			
13	10.67	46.616	-9.27	-7.20	-9.19	-8.79	-7.79	-13.05	-9.42	-6.75	-5.62	-5.34	-8.70	-8.70	-7.55	-7.55	-10.73	-10.73	-8.71	-7.72	1.92			
14	9.85	72.425	-9.63	-7.89	-9.62	-9.20	-8.53	-13.80	-9.42	-7.57	-6.33	-5.34	-9.14	-9.14	-8.11	-8.11	-10.95	-10.95	-9.53	-8.66	1.86			
15	9.14	75.524	-11.79	-9.20	-11.54	-10.96	-10.99	-14.18	-11.72	-10.39	-8.97	-8.41	-10.96	-10.96	-10.29	-10.29	-12.88	-12.88	-11.68	-10.55	1.43			
16	8.53	77.530	-10.78	-7.67	-9.85	-9.36	-9.82	-13.38	-9.84	-9.28	-7.80	-7.15	-9.26	-9.26	-8.84	-8.84	-10.13	-10.13	-9.31	-9.13	1.43			
17	8.00	64.157	-9.17	-5.33	-8.66	-8.03	-8.25	-9.61	-8.17	-7.73	-5.89	-5.26	-7.83	-7.83	-7.56	-7.56	-8.63	-8.63	-9.18	-7.76	1.30			
18	7.53	66.141	1.96	3.47	.99	1.23	3.47	-1.62	.18	4.89	5.90	6.92	1.45	1.45	1.55	1.55	.59	.59	1.89	2.41	2.19			
19	7.11	94.002	15.01	12.74	13.55	13.04	16.62	14.11	12.92	18.97	18.01	19.09	13.48	13.48	14.11	14.11	13.49	13.49	17.19	13.50	2.20			
20	6.74	154.970	22.68	20.72	22.03	21.59	23.28	22.24	21.92	26.51	26.54	27.61	21.97	21.97	22.67	22.67	21.98	21.98	24.37	20.79	2.08			
21	6.40	249.764	23.22	22.14	22.41	21.83	23.35	22.49	22.07	26.89	27.72	28.79	22.47	22.47	23.18	23.18	22.28	22.28	23.57	21.85	2.18			
22	6.10	332.867	25.54	23.76	24.76	23.94	25.44	22.90	24.22	28.56	29.33	30.12	24.76	24.76	25.49	25.49	24.65	24.65	25.54	23.84	2.06			
23	5.82	335.348	27.25	25.21	26.01	25.43	26.60	23.60	25.67	30.12	30.95	31.75	26.00	26.00	26.59	26.59	25.60	25.60	26.81	25.34	2.22			
24	5.57	255.429	28.24	26.63	28.45	27.28	28.49	27.06	27.71	30.95	31.66	32.23	28.39	28.39	29.08	29.08	28.52	28.52	28.77	26.87	1.64			
25	5.33	187.453	31.76	29.04	30.35	28.65	31.75	29.84	29.64	34.81	34.82	35.19	30.31	30.31	31.01	31.01	30.39	30.39	32.52	29.70	2.07			
26	5.12	171.918	34.75	30.40	32.26	30.48	32.92	30.99	31.71	37.55	37.39	37.90	32.10	32.10	32.85	32.85	31.33	31.33	35.00	31.33	2.50			
27	4.92	148.769	33.67	30.92	33.84	32.08	32.77	31.22	33.48	37.12	37.30	37.87	33.61	33.61	34.39	34.39	33.57	33.57	35.36	31.61	2.10			
28	4.74	95.350	34.20	31.96	35.28	33.58	33.60	33.60	35.05	38.07	38.07	38.52	35.06	35.06	35.84	35.84	35.23	35.23	36.64	32.62	1.99			
29	4.57	61.800	34.20	34.21	9999.99	9999.99	9999.99	9999.99	9999.99	38.22	37.78	37.97	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	34.63	1.86		
30	4.41	49.248	36.26	35.26	9999.99	9999.99	9999.99	9999.99	9999.99	38.91	37.52	37.25	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	36.07	1.18		
31	4.27	37.928	37.78	33.37	9999.99	9999.99	9999.99	9999.99	9999.99	38.97	36.88	36.51	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	9999.99	34.19	1.95		

Table B.12 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 13:00 HOURS Hmo=1.54 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² *S)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	2.563	26.05	55.80	139.50	128.88	95.22	38.65	81.45	121.13	117.00	111.72	124.59	101.49	61.92	115.94	44.26	92.09	35.59
3	64.00	4.561	123.39	88.84	110.44	101.66	105.57	-153.03	102.93	109.48	108.10	108.54	101.32	108.98	125.20	101.13	80.81	109.62	27.49
4	42.67	4.485	87.17	62.37	83.83	77.91	78.61	50.33	85.11	81.80	82.62	82.61	75.75	78.97	87.32	71.21	54.28	76.08	11.19
5	32.00	3.649	54.08	41.90	47.74	51.22	51.42	41.63	48.09	76.05	77.68	78.83	47.35	47.49	48.08	46.61	33.20	52.64	13.26
6	25.60	2.866	37.33	34.79	31.87	35.83	42.43	34.32	29.44	68.58	69.34	72.59	33.76	32.62	34.28	37.38	26.65	41.19	14.81
7	21.33	2.453	41.53	43.01	48.98	50.19	47.40	27.71	49.36	51.80	51.24	55.12	48.35	48.75	48.26	45.41	28.32	45.73	7.65
8	18.29	2.527	34.71	29.58	39.60	40.79	20.30	4.97	36.18	46.40	47.71	54.53	40.10	40.99	38.85	32.05	21.29	35.28	11.97
9	16.00	2.880	61.18	61.88	5.60	3.77	-3.25	-3.99	-1.71	3.59	6.12	8.28	7.09	13.68	-5.14	1.39	2.40	3.21	4.94
10	14.22	5.096	-6.71	-1.53	-7.39	-6.87	-8.36	-7.37	-4.06	-8.06	-7.96	-10.11	-5.80	-3.60	-16.48	-6.70	-4.91	-7.06	3.26
11	12.80	8.252	8.31	-5.22	-10.34	-9.37	-8.82	-10.09	9.38	7.44	-6.36	-6.09	-9.17	-7.72	-15.59	-8.49	-7.13	-8.63	2.35
12	11.64	18.388	-9.33	-8.83	-11.16	-11.11	-9.47	-11.96	-11.18	-8.00	6.15	-4.42	-10.67	-8.17	-11.61	-11.02	-9.84	-9.55	2.07
13	10.67	47.511	-9.71	-9.29	-11.51	-11.25	-9.33	-14.62	-11.79	-8.28	-7.05	-5.92	-11.07	-9.38	-11.83	-10.68	-9.87	-10.12	2.04
14	9.85	92.473	-10.31	-9.98	-11.67	-11.20	-10.14	-14.71	-12.29	-9.32	-8.57	-7.87	-11.31	-10.70	-13.21	-10.78	-10.49	-10.84	1.67
15	9.14	103.072	-9.94	-7.54	-9.63	-8.99	-9.35	-10.88	-10.39	-8.50	-7.30	-6.45	-9.08	-8.75	-10.78	-9.39	-9.11	-9.07	1.21
16	8.53	75.575	-7.74	-5.04	-7.15	-6.47	-7.07	-7.06	-8.14	-5.90	-4.25	-3.10	-6.51	-2.06	-8.11	-7.24	-6.80	-6.45	1.36
17	8.00	74.176	-2.26	-1.68	-3.25	-2.69	-1.94	-3.81	-4.11	-3.8	.83	1.80	-2.76	-2.06	-4.52	-2.69	-2.55	-2.14	1.68
18	7.53	114.422	4.86	6.24	4.65	5.03	5.89	5.99	3.49	7.69	8.80	9.71	5.14	5.67	4.14	5.43	5.31	5.87	1.63
19	7.11	214.846	14.43	14.74	14.56	14.50	16.43	15.31	14.05	19.03	19.58	20.60	14.72	15.33	14.69	16.39	14.66	15.93	2.03
20	6.74	373.262	21.87	20.95	21.98	21.86	23.20	20.84	21.64	26.21	26.90	27.75	21.97	22.55	21.99	23.32	21.29	22.95	2.12
21	6.40	435.710	26.66	25.17	26.98	26.71	27.44	25.17	26.48	30.55	31.21	32.05	26.90	27.41	27.00	27.82	25.57	27.54	2.03
22	6.10	391.301	29.81	28.22	30.95	30.82	30.70	28.77	30.51	33.65	34.24	34.89	30.84	31.31	30.99	31.71	28.64	31.07	1.88
23	5.82	267.722	31.00	30.26	34.35	34.32	32.94	30.55	34.05	35.70	36.38	37.02	34.20	34.65	34.60	34.62	30.78	33.70	2.07
24	5.57	186.215	31.65	30.52	34.59	34.48	32.92	31.26	34.22	36.18	36.63	37.39	34.46	34.90	34.74	34.58	30.75	33.95	2.04
25	5.33	123.143	33.85	29.59	33.60	33.44	33.41	32.32	33.21	37.30	36.98	37.61	33.42	33.97	33.47	35.21	30.33	33.85	2.19
26	5.12	101.296	33.66	28.74	31.18	31.18	32.09	32.15	30.77	36.20	34.97	35.42	31.03	31.61	30.69	34.59	29.15	32.23	2.18
27	4.92	77.991	33.79	29.34	32.21	32.91	32.02	31.58	31.99	36.30	34.32	34.74	31.98	32.51	31.48	36.07	29.29	32.70	2.00
28	4.74	55.938	34.06	28.33	31.48	31.94	32.37	33.25	30.84	35.92	33.49	33.50	31.19	31.94	30.76	37.58	28.91	32.37	2.33
29	4.57	43.392	35.25	28.17	34.03	34.55	33.55	9999.99	9999.99	33.20	33.29	34.83	33.52	34.37	33.31	40.15	30.11	34.22	2.91
30	4.41	34.571	33.95	28.91	9999.99	9999.99	33.60	9999.99	9999.99	36.52	33.97	33.28	9999.99	9999.99	9999.99	39.87	30.50	33.82	3.15
31	4.27	27.635	35.95	30.92	9999.99	9999.99	9999.99	9999.99	9999.99	37.66	34.52	33.51	9999.99	9999.99	9999.99	45.38	32.21	35.73	4.45

Table B.13 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 16:00 HOURS Hmo=1.40 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CBI	CB2	CB0	D04	D0C	O2D	41D	C24		
2	128.00	2.400	98.92	175.60	140.73	146.98	141.61	153.48	67.02	16.25	-45.22	-55.28	144.05	144.76	96.65	143.50	159.39	131.07	75.10
3	64.00	4.431	110.78	107.13	116.50	119.09	113.66	75.77	122.65	112.58	112.38	111.82	118.89	111.88	104.65	119.92	85.59	109.71	12.37
4	42.67	4.509	110.67	89.30	110.33	110.49	107.04	70.02	144.80	113.95	112.49	111.82	110.67	106.11	107.26	111.11	73.51	106.06	17.10
5	32.00	3.614	77.68	65.15	71.25	70.86	72.05	59.87	85.32	102.43	101.49	100.45	68.64	71.77	76.86	68.28	59.82	76.68	13.82
6	25.60	2.898	57.96	55.05	55.26	56.93	55.25	51.24	56.06	76.31	77.25	78.40	54.47	55.50	57.09	53.49	50.32	59.32	9.19
7	21.33	2.328	47.51	45.69	50.84	52.06	43.54	51.38	52.53	51.85	51.85	52.60	50.48	50.47	50.26	52.46	42.76	49.77	3.19
8	18.29	2.049	20.18	15.69	15.55	15.04	13.85	11.15	8.69	14.39	12.07	10.81	17.02	22.45	15.46	16.55	13.07	14.80	3.42
9	16.00	2.786	3.81	4.86	2.29	1.54	-1.51	-3.74	2.34	-1.91	-3.19	-5.53	3.72	9.20	-5.12	6.69	-2.23	4.8	3.95
10	14.22	3.769	-6.84	-1.47	-6.93	-7.08	-7.28	-8.35	-2.58	-8.21	-8.57	-11.47	-5.46	-0.8	-13.04	-7.15	-5.21	-6.65	3.31
11	12.80	6.836	-6.69	-4.92	-6.11	-6.76	-6.82	-9.67	-4.72	-6.30	-5.75	-6.14	-5.59	-1.98	-9.53	-7.16	-6.05	-6.28	1.77
12	11.64	20.606	-9.62	-7.96	-9.42	-9.19	-9.30	-12.42	-11.22	-8.33	-7.30	-6.42	-8.97	-7.99	-11.37	-9.49	-9.13	-9.21	1.52
13	10.67	56.063	-8.92	-7.63	-9.23	-8.69	-8.70	-13.37	-10.95	-7.72	-6.80	-5.90	-8.81	-8.54	-10.73	-8.94	-8.74	-8.91	1.72
14	9.85	86.877	-9.11	-7.08	-9.35	-8.78	-8.69	-13.36	-10.40	-7.65	-6.32	-5.11	-8.78	-8.40	-9.67	-9.14	-8.60	-8.70	1.80
15	9.14	94.658	-6.93	-4.17	-6.63	-5.98	-5.84	-10.48	-7.53	-4.66	-3.01	-1.90	-6.06	-5.70	-7.10	-6.28	-5.59	-5.86	1.93
16	8.53	76.357	-3.01	-1.97	-2.85	-1.99	-1.82	-6.53	-3.73	-4.6	-.93	1.43	-2.42	-2.32	-5.06	-2.11	-1.61	-2.17	1.97
17	8.00	91.648	-2.5	1.70	-4.4	.32	1.16	-1.66	-1.06	2.61	3.82	4.47	.05	.16	-1.67	.54	1.14	.73	1.76
18	7.53	137.993	2.64	4.88	2.69	3.18	4.21	4.15	1.94	5.64	7.02	7.83	3.20	3.53	2.67	3.27	4.08	4.06	1.61
19	7.11	225.281	9.98	12.62	10.77	11.08	11.69	12.51	10.44	13.62	15.15	15.98	11.19	11.62	10.90	11.34	11.54	12.03	1.64
20	6.74	308.136	18.47	20.46	19.95	20.07	20.29	20.16	19.67	22.69	23.76	24.51	20.11	20.52	19.96	21.10	19.77	20.77	1.58
21	6.40	300.805	23.93	24.45	25.79	25.78	25.84	24.56	25.36	28.57	29.17	29.89	25.70	26.14	25.82	27.39	24.65	26.20	1.72
22	6.10	245.378	26.10	26.06	27.47	27.39	27.47	26.08	26.96	30.54	31.19	31.98	27.34	27.78	27.36	29.26	26.41	27.96	1.84
23	5.82	187.559	27.38	26.22	28.55	28.28	28.24	26.08	26.96	31.85	32.33	33.12	28.37	28.89	28.64	30.39	27.08	29.05	1.94
24	5.57	137.334	26.80	26.08	28.85	28.75	29.30	28.24	28.56	31.91	32.30	32.92	28.66	29.26	29.19	30.96	26.98	29.25	1.94
25	5.33	102.308	26.74	25.46	28.76	28.30	28.28	28.46	28.13	31.14	31.34	31.96	28.54	29.32	28.91	30.76	25.96	28.80	1.84
26	5.12	84.187	29.44	26.14	32.21	31.91	30.72	28.74	31.82	33.37	32.77	33.19	31.83	32.65	32.24	34.44	27.20	31.24	2.28
27	4.92	68.456	29.55	28.31	34.86	34.96	32.67	30.66	34.66	35.02	34.12	34.51	34.54	35.20	35.20	36.53	29.18	33.33	2.51
28	4.74	50.526	29.49	29.38	35.88	36.82	32.20	32.49	35.48	35.34	34.94	35.34	35.58	36.16	36.01	36.82	29.87	34.12	2.60
29	4.57	34.113	31.04	27.98	37.03	9999.99	32.72	33.48	36.81	35.69	34.04	34.04	36.60	37.30	36.95	38.60	29.06	34.38	3.12
30	4.41	29.271	34.68	28.58	43.99	9999.99	37.11	36.24	43.98	39.36	37.12	36.51	43.85	44.01	43.97	42.19	31.57	38.80	4.90
31	4.27	23.759	36.77	31.29	50.57	9999.99	41.85	38.20	50.51	41.41	39.71	39.21	51.08	50.75	50.55	44.88	34.49	42.95	6.55

Table B.14 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 19:00 HOURS Hmo=1.24 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CBI	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	2.254	47.84	121.82	80.93	71.75	102.70	-155.35	59.47	137.71	138.24	127.09	76.83	126.15	57.38	83.05	110.87	100.48	39.90
3	64.00	3.616	-171.10	101.04	-151.83	-174.27	171.00	-134.60	-156.11	166.07	160.78	163.46	-162.01	-157.97	-147.64	-172.17	-144.63	-172.22	29.80
4	42.67	3.501	170.65	118.63	-175.03	159.96	159.50	-151.27	-166.84	159.12	157.53	159.57	167.94	178.16	-168.03	159.97	172.61	169.66	20.25
5	32.00	2.604	141.65	103.90	166.60	149.12	143.76	-173.84	-178.30	144.26	146.68	147.55	151.23	164.06	143.92	147.04	143.07	150.79	18.54
6	25.60	2.153	70.32	58.86	82.68	74.09	86.68	54.02	124.71	95.56	95.50	95.33	71.23	83.89	68.60	77.76	52.03	79.22	18.30
7	21.33	2.048	40.89	36.88	32.23	38.57	46.65	34.30	29.38	56.85	57.69	57.53	34.42	33.19	31.45	42.49	29.49	40.10	9.78
8	18.29	2.155	-9.10	-1.70	-9.09	-8.24	-7.53	-8.38	-5.94	-2.81	-1.15	-1.33	34.42	33.19	-21.44	-7.89	-6.04	-6.29	5.22
9	16.00	2.654	-9.91	-7.70	-9.14	-10.60	-11.96	-15.40	-22.41	-8.46	-7.43	-6.41	-5.91	1.12	-21.48	-10.33	-10.45	-10.45	5.91
10	14.22	3.285	-7.36	-3.45	-6.89	-9.11	-8.29	-12.82	-19.00	-3.90	-2.70	-1.06	-5.21	4.79	-11.76	-7.49	-6.67	-6.65	5.40
11	12.80	5.274	8.89	-3.42	-7.72	-7.77	-6.93	-9.43	-13.46	-4.59	-2.75	-1.96	-4.88	-1.52	-12.79	-7.76	-5.84	-6.73	3.46
12	11.64	16.061	8.73	-4.49	-8.39	-7.37	-7.68	-8.08	-12.81	-6.27	-4.82	-4.27	-7.57	-7.21	-13.08	-7.10	-6.35	-7.61	2.47
13	10.67	39.175	-8.17	-4.69	-8.25	-7.22	-7.38	-8.60	-12.52	-5.95	-4.49	-3.67	-7.34	-7.73	-11.96	-6.71	-6.32	-7.41	2.56
14	9.85	75.896	-7.20	-5.03	-7.72	-6.97	-6.49	-8.92	-9.74	-5.28	-4.16	-3.33	-6.87	-6.80	-9.31	-6.70	-6.31	-6.74	1.74
15	9.14	90.350	-6.32	-4.94	-7.40	-6.79	-5.98	-8.01	-8.08	-5.03	-4.17	-3.62	-6.87	-6.36	-8.68	-6.43	-6.09	-6.32	1.39
16	8.53	84.884	-3.19	-2.35	-4.43	-3.64	-3.11	-4.98	-6.03	-1.97	-1.27	-0.91	-4.00	-3.98	-7.01	-3.23	-3.18	-3.55	1.59
17	8.00	81.607	-0.06	1.17	-7.3	-0.8	-0.74	-2.23	-2.10	1.94	2.64	2.89	-2.29	-2.4	-3.25	.28	.59	.24	1.56
18	7.53	111.536	5.88	6.46	4.97	5.31	6.84	4.57	4.14	8.47	9.21	9.90	5.27	5.60	6.32	6.27	6.27	6.21	1.72
19	7.11	217.211	9.67	9.98	9.00	9.20	10.32	8.91	8.58	12.25	13.31	14.12	9.26	9.73	8.50	9.75	9.61	10.15	1.65
20	6.74	251.537	12.93	12.91	11.89	12.16	13.44	11.67	11.67	15.77	16.96	17.65	12.15	12.59	11.12	12.67	12.73	13.23	1.90
21	6.40	204.814	19.95	18.42	18.67	18.54	20.64	16.99	18.26	23.94	24.61	24.61	18.70	19.30	18.36	20.48	19.01	19.94	2.20
22	6.10	172.186	23.95	22.86	24.05	23.58	24.70	23.13	23.32	27.24	27.97	28.73	24.01	24.64	24.22	25.10	23.13	24.71	1.77
23	5.82	126.034	22.33	21.91	22.54	21.99	23.49	22.05	21.56	25.69	26.26	26.88	22.52	23.14	22.64	23.84	22.14	23.27	1.63
24	5.57	95.815	24.45	23.18	24.01	23.89	25.87	24.43	23.80	28.92	29.09	29.66	23.91	24.37	23.53	26.92	24.09	25.34	2.14
25	5.33	74.764	27.85	25.48	28.19	28.37	29.28	28.87	28.35	32.13	31.39	31.89	28.00	28.48	28.05	31.23	26.36	28.93	1.88
26	5.12	56.631	29.49	25.33	31.59	31.68	30.58	28.44	31.55	33.99	32.54	33.13	31.11	31.97	31.45	34.79	26.76	30.96	2.47
27	4.92	49.564	28.24	24.00	28.57	28.28	29.21	27.16	28.18	33.70	32.49	32.49	28.09	29.09	28.19	33.85	25.32	29.08	2.72
28	4.74	45.434	26.06	25.84	31.65	32.58	28.72	26.81	31.45	32.36	30.95	31.67	31.22	32.03	31.72	33.53	25.69	30.29	2.52
29	4.57	30.593	24.68	26.17	34.30	34.58	29.29	28.81	34.17	30.70	29.07	29.23	33.83	34.73	34.56	36.49	26.15	31.01	3.61
30	4.41	22.120	26.04	28.14	9999.99	9999.99	9999.99	31.89	9999.99	31.71	29.41	29.10	9999.99	9999.99	9999.99	42.15	29.00	31.36	4.50
31	4.27	19.085	27.16	27.10	9999.99	9999.99	9999.99	30.73	9999.99	32.97	30.28	30.15	9999.99	9999.99	9999.99	27.46	27.46	30.11	2.69

Table B.15 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 02/02/94 22:00 HOURS Hmo=1.03 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(16f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	012	34C	D03	D24	C1D	4C5	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
					D03	D24	C1D	4C5	D0E	D0F	C1B	C1B2	C1B0	D04	D0C	02D	41D	C24							
2	128.00	1.407	163.11	-135.96	-150.67	-158.73	164.76	107.56	56.75	-27.14	-31.21	-61.05	-152.36	-150.04	-155.13	-173.34	-137.34	-152.10	69.20						
3	64.00	2.102	-174.36	-61.52	-153.39	-161.55	138.86	17.43	-175.11	137.29	139.46	148.12	-152.89	-160.34	-149.41	178.95	-24.46	-175.10	70.00						
4	42.67	1.925	155.31	65.67	156.23	149.36	128.58	48.54	159.64	139.87	136.62	132.66	156.61	155.88	162.52	143.24	37.55	133.73	40.52						
5	32.00	2.101	105.07	75.63	96.71	97.61	96.37	69.69	99.92	110.08	109.35	108.43	96.99	98.01	107.73	98.07	71.07	96.16	12.93						
6	25.60	2.222	85.39	68.38	81.56	82.48	82.68	64.48	90.00	94.90	94.91	94.71	81.73	82.29	85.18	83.38	64.83	82.49	9.55						
7	21.33	2.275	58.96	41.82	61.56	61.49	57.35	36.96	71.32	55.28	53.24	53.70	61.62	60.80	61.31	59.87	35.49	55.42	9.65						
8	18.29	2.426	22.26	13.29	28.53	29.01	12.60	7.30	21.93	3.61	11.11	-17.93	-3.57	28.99	24.14	17.49	5.22	16.04	11.62						
9	16.00	2.994	-3.67	-4.17	-9.35	-8.72	-7.77	-8.19	-6.39	-9.82	-12.84	-12.34	-9.07	10.38	-8.80	-7.47	-7.57	-6.73	5.83						
10	14.22	4.912	8.80	-7.01	-9.35	-12.97	-10.12	-14.30	-7.06	-10.60	-12.34	-16.16	-9.07	10.38	-8.80	-7.47	-7.57	-6.73	5.83						
11	12.80	10.551	9.57	-6.17	-7.36	-8.09	-8.74	-11.00	-5.81	-7.94	-7.69	-9.24	-7.02	9.24	-3.18	-15.51	-7.64	-6.74	8.11						
12	11.64	23.798	-8.57	-6.23	-7.94	-7.92	-8.06	-8.74	-11.54	-6.40	-5.40	-4.83	-7.44	-5.56	-13.75	-7.46	-7.01	-7.79	2.25						
13	10.67	43.412	-4.81	-5.43	-5.63	-5.56	-4.62	-7.19	-10.71	-4.75	-3.70	-2.13	-1.03	-5.25	-4.10	-6.59	-6.32	-6.65	2.18						
14	9.85	60.518	-4.36	-2.66	-3.92	-4.09	-3.02	-7.08	-7.92	-3.07	-2.13	-1.03	-3.62	-4.10	-11.31	-4.73	-4.61	-4.83	1.88						
15	9.14	60.261	-4.36	-2.66	-3.92	-4.09	-3.02	-7.08	-7.92	-3.07	-2.13	-1.03	-3.62	-4.10	-11.31	-4.73	-4.61	-4.83	1.88						
16	8.53	57.688	-2.45	-2.23	-1.55	-1.22	-0.01	-3.28	-5.99	-1.61	-0.74	0.38	-3.62	-2.52	-4.61	-3.43	-2.94	-3.27	1.73						
17	8.00	73.035	1.48	3.75	2.69	3.02	3.98	1.78	3.70	5.61	6.97	7.75	3.09	.01	-2.51	-6.01	-2.11	-4.21	1.77						
18	7.53	93.456	6.82	8.42	8.65	8.38	9.68	6.17	9.92	11.71	13.06	14.38	8.82	9.94	1.66	3.30	3.38	3.76	1.75						
19	7.11	121.077	9.94	11.74	11.39	11.37	12.02	9.91	11.39	14.21	15.57	16.74	11.58	12.04	8.86	8.97	8.49	9.48	2.09						
20	6.74	151.872	13.06	14.41	13.55	13.75	14.64	11.98	13.07	17.06	18.45	19.44	13.79	14.12	11.22	11.65	11.52	12.15	1.84						
21	6.40	158.106	17.83	18.28	18.14	18.17	19.33	16.61	17.82	22.30	23.80	24.79	18.36	18.99	17.93	18.98	14.21	14.58	2.03						
22	6.10	119.177	22.87	21.67	23.31	23.03	24.03	21.37	22.74	26.80	27.66	28.50	23.26	23.86	23.20	24.27	22.09	19.29	2.30						
23	5.82	85.365	23.73	21.28	23.20	22.81	24.55	21.91	22.56	27.43	27.60	28.40	23.00	23.59	22.77	25.17	22.36	24.02	2.11						
24	5.57	59.087	22.27	20.31	19.80	19.88	22.96	20.91	19.45	26.62	26.68	27.59	19.88	20.20	19.05	23.13	20.98	21.98	2.76						
25	5.33	39.694	22.93	23.54	22.73	22.68	25.37	23.31	22.24	28.05	27.83	28.57	22.93	23.21	22.63	26.22	23.41	24.64	2.24						
26	5.12	30.989	24.67	24.71	26.39	25.85	28.48	30.22	26.07	30.27	28.51	29.16	26.35	26.90	26.85	31.90	24.92	27.42	2.15						
27	4.92	26.142	22.62	23.40	25.03	23.88	26.51	30.71	24.73	28.06	26.23	27.01	24.89	25.68	25.64	29.77	23.26	25.83	2.25						
28	4.74	26.315	22.25	22.92	22.13	21.37	25.04	31.44	21.44	26.70	24.62	25.12	22.26	22.77	22.57	26.08	22.24	23.93	2.59						
29	4.57	19.908	25.68	24.97	24.96	24.44	27.76	31.15	24.28	29.37	26.50	26.66	25.04	25.40	25.05	9999.99	24.43	26.12	1.96						
30	4.41	12.921	27.66	26.44	9999.99	9999.99	29.73	32.76	9999.99	30.94	28.09	27.50	9999.99	9999.99	9999.99	9999.99	26.67	28.72	2.08						
31	4.27	9.104	29.36	25.91	9999.99	9999.99	30.23	33.65	9999.99	33.47	31.36	30.88	9999.99	9999.99	9999.99	9999.99	27.58	30.31	2.51						

Table B.16 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 01:00 HOURS Hmo=.82 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	012	34C	D03	D24	C1D	4C5	DOE	CB1	CB2	CB0	D04	DOC	02D	41D	C24	Mean dir	Std dev
2	18.00	1.010	25.95	29.91	-45.30	-2.55	20.28	4.89	-122.97	126.45	117.82	109.60	14.61	26.35	29.73	12.37	-2.59	24.75	60.61
3	64.00	1.791	-162.65	80.31	-136.95	-150.57	-148.21	-138.56	-136.07	-172.47	177.45	178.25	-138.09	-138.13	-136.05	-147.96	-131.98	-153.37	36.24
4	42.67	2.267	178.52	143.47	-175.86	177.44	172.56	151.02	-161.48	171.61	166.27	168.34	-179.20	172.60	-173.26	-178.41	-168.23	175.11	13.82
5	32.00	2.111	149.51	158.96	151.74	153.62	148.15	138.78	175.97	148.90	146.55	146.98	155.57	145.63	159.82	160.03	141.63	152.09	8.84
6	25.60	1.740	127.00	127.90	130.22	136.74	126.13	108.37	128.33	130.66	129.25	128.27	137.33	132.21	128.92	135.03	101.50	127.26	9.41
7	21.33	1.745	95.96	80.45	132.68	133.23	111.30	74.26	102.35	105.46	105.69	106.10	135.14	144.32	95.72	121.92	73.40	107.86	21.51
8	18.29	2.621	3.70	6.83	-5.51	-3.35	9.99	8.16	-2.71	11.35	10.66	9.46	-1.93	8.20	-3.48	5.64	5.46	4.24	5.81
9	16.00	4.084	-9.63	-4.47	-10.11	-12.40	-8.65	-7.94	-9.09	-8.62	-9.55	-12.50	-8.82	3.13	-15.42	-8.61	-6.74	-8.63	3.99
10	14.22	4.812	-7.84	-3.25	-6.06	-8.60	-6.01	-6.92	1.85	-8.04	-10.21	-14.48	-5.33	5.09	-8.85	-5.90	-4.35	-5.93	4.53
11	12.80	9.097	-7.00	-3.46	-5.25	-7.30	-4.70	-6.91	2.02	-5.21	-5.92	-4.57	-4.33	4.33	-7.01	-5.55	-4.33	-4.61	3.32
12	11.64	24.673	-6.55	-4.07	-5.32	-6.30	-4.64	-7.53	-3.44	-3.23	-1.89	-1.37	-4.91	.12	-7.53	-5.64	-5.04	-4.49	2.15
13	10.67	39.957	-8.65	-5.57	-7.19	-7.31	-6.87	-9.53	-5.07	-5.64	-4.13	-3.21	-6.71	-3.94	-9.71	-7.57	-6.95	-6.54	1.89
14	9.85	44.258	-9.25	-5.97	-8.05	-7.95	-6.46	-9.42	-3.82	-5.58	-4.20	-3.86	-7.50	-4.81	-9.39	-8.21	-6.64	-6.74	1.92
15	9.14	40.616	-4.49	-1.95	-3.72	-2.89	-1.80	-5.90	-4.45	-5.0	-2.5	-3.4	-5.21	-2.56	-8.03	-2.26	-1.68	-2.93	2.07
16	8.53	41.013	1.18	2.99	1.02	1.98	2.52	1.26	-9.4	3.77	3.72	3.61	1.42	1.21	-3.68	2.95	2.78	1.72	1.90
17	8.00	49.910	5.21	6.18	4.64	5.12	6.13	6.11	4.08	7.43	7.65	7.85	4.92	5.33	2.32	6.38	5.85	5.68	1.39
18	7.53	62.864	8.39	8.74	7.91	8.12	9.31	7.60	11.12	11.43	11.43	12.25	8.07	8.42	6.38	9.63	8.60	8.89	1.56
19	7.11	68.866	10.21	10.96	10.77	10.72	11.54	9.36	10.05	13.55	14.28	15.53	10.90	11.25	10.28	11.42	10.86	11.44	1.64
20	6.74	75.931	13.33	14.99	14.67	14.65	15.34	12.37	14.60	17.65	19.09	20.35	14.82	15.17	14.89	14.95	14.97	15.45	1.99
21	6.40	88.752	17.13	18.60	18.75	18.66	18.71	16.55	19.52	21.39	22.79	24.07	18.87	19.27	18.92	18.58	18.26	19.34	1.92
22	6.10	72.430	21.21	19.97	21.33	20.83	21.67	19.29	21.80	24.66	25.22	26.63	21.25	21.68	21.24	21.85	20.32	21.93	1.95
23	5.82	53.093	23.68	21.82	23.35	23.02	24.76	22.55	23.22	27.68	27.99	29.06	23.27	23.73	23.29	25.04	22.72	24.34	2.11
24	5.57	34.717	24.29	22.70	24.10	24.17	25.33	25.00	23.53	27.98	28.11	28.95	24.12	24.40	24.06	25.63	23.31	25.04	1.81
25	5.33	22.661	25.56	22.15	24.70	25.01	26.24	23.48	23.98	28.96	28.18	28.81	24.36	25.00	23.46	29.82	23.20	25.48	2.45
26	5.12	19.529	26.35	21.97	24.53	24.66	26.74	24.65	24.93	29.65	28.48	28.81	24.90	22.95	23.00	29.46	23.20	25.78	3.35
27	4.92	17.681	26.15	22.55	22.34	22.25	26.46	9999.99	21.90	30.25	29.17	29.71	23.39	22.95	21.06	30.46	23.20	25.08	2.99
28	4.74	15.104	23.83	23.30	23.18	24.49	26.02	9999.99	22.82	28.99	29.16	29.58	23.03	25.65	24.49	28.52	24.37	25.97	2.57
29	4.57	11.755	21.62	22.29	23.18	22.14	25.23	9999.99	22.82	28.08	29.12	29.58	23.21	23.75	22.77	26.33	24.16	24.59	2.83
30	4.41	7.719	22.00	24.18	28.63	9999.99	27.63	9999.99	28.43	30.79	31.60	32.31	28.45	28.88	28.94	9999.99	26.05	28.16	2.83
31	4.27	5.116	20.81	23.53	9999.99	9999.99	28.53	9999.99	30.72	30.72	29.43	30.49	9999.99	9999.99	9999.99	9999.99	24.37	26.81	5.60

**Table B.17 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 04:00 HOURS Hmo=.67 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0**

NO	Period (sec)	Energy (cm**2)	012	34C	D03	D24	C1D	4C5	DOE	CBI	CB2	CB0	D04	DOC	02D	41D	C24	Mean dir	Std dev
2	28.00	1.047	-102.21	-111.47	-100.35	-105.34	-99.73	-97.28	-103.04	-147.83	-166.18	177.88	-104.14	-103.93	-108.73	-97.78	-103.07	-114.04	25.94
3	64.00	1.657	-103.97	-106.58	-123.42	-121.73	-115.88	-96.86	-123.29	-133.70	-146.74	-155.04	-123.88	-122.28	-118.64	-117.24	-102.09	-120.65	15.25
4	42.67	1.783	-134.20	-131.03	-140.76	-143.38	-135.45	-123.69	-140.12	-154.94	-167.91	-170.24	-141.40	-141.62	-139.76	-135.30	-122.26	-141.37	13.26
5	32.00	1.533	173.61	163.03	174.17	168.21	169.15	175.62	172.08	167.87	164.61	163.63	170.30	174.32	178.57	169.29	178.49	170.74	4.80
6	25.60	1.120	150.61	158.79	163.89	166.47	145.72	146.15	172.08	143.66	144.12	145.65	165.76	161.65	148.10	161.27	129.85	153.60	11.21
7	21.33	1.373	13.16	-1.72	-2.98	-7.64	26.13	-12.63	-33.26	31.27	31.94	30.67	36	12.12	9.69	4.61	2.97	7.02	17.67
8	18.29	2.012	-2.80	-4.51	-6.36	-10.16	-6.6	-24.77	-13.22	-3.79	-7.52	-12.00	-5.15	7.98	-1.50	-5.23	-3.52	-6.20	6.97
9	16.00	2.605	-9.26	-9.18	-11.01	-14.65	-10.46	-20.16	-12.57	-11.59	-14.91	-19.37	-10.09	-9.81	-15.23	-11.03	-9.69	-11.81	4.97
10	14.22	4.466	-10.34	-8.78	-10.33	-12.68	-14.75	-10.79	-8.89	-10.12	-11.08	-12.67	-9.81	-1.51	-14.99	-10.64	-9.78	-10.66	3.00
11	12.80	10.346	-7.54	-6.20	-7.63	-8.25	-7.22	-10.79	-8.89	-5.93	-4.95	-4.58	-7.26	-3.53	-11.27	-7.80	-6.91	-7.25	2.03
12	11.64	24.314	-5.00	-2.48	-4.60	-4.51	-4.08	-7.09	-2.74	-3.25	-2.04	-1.80	-4.15	-2.51	-6.55	-4.29	-3.67	-3.92	1.49
13	10.67	43.814	-5.52	-2.75	-4.87	-4.49	-3.88	-6.47	-1.52	-3.33	-2.21	-2.17	-4.39	-3.13	-6.03	-4.40	-3.79	-3.93	1.40
14	9.85	49.231	-7.46	-4.95	-7.33	-6.65	-5.95	-7.02	-6.57	-5.16	-4.11	-3.96	-6.78	-5.96	-9.14	-6.56	-5.95	-6.24	1.29
15	9.14	47.327	-5.76	-3.26	-5.37	-4.48	-4.15	-5.79	-6.29	-3.07	-1.94	-1.65	-4.84	-4.40	-8.01	-4.49	-4.08	-4.50	1.60
16	8.53	43.862	-2.35	-1.89	-2.37	-1.75	-1.79	-4.27	-3.07	-1.74	1.81	2.50	-2.01	-1.57	-4.11	-1.28	-1.08	-1.37	1.85
17	8.00	38.318	1.71	3.95	2.09	3.22	3.34	1.77	.92	5.11	6.36	6.73	2.60	2.67	.82	3.30	3.28	3.08	1.90
18	7.53	31.282	3.86	6.30	4.99	5.68	6.27	4.09	4.64	7.81	8.79	9.25	5.38	5.70	3.33	6.17	5.90	5.88	1.64
19	7.11	38.653	6.37	7.75	7.17	7.43	8.12	6.25	6.95	9.83	10.65	11.54	7.43	7.89	6.66	7.95	7.32	7.95	1.49
20	6.74	39.850	8.64	10.40	9.99	10.22	10.78	9.26	9.61	12.66	13.72	14.67	10.25	10.74	9.77	10.65	10.01	10.76	1.60
21	6.40	33.984	11.39	12.91	12.17	12.27	13.23	11.07	11.96	15.14	16.24	17.15	12.48	13.05	12.11	13.03	12.33	13.10	1.68
22	6.10	27.226	15.08	16.23	15.55	15.56	17.39	14.84	15.10	19.54	20.40	21.24	15.83	16.27	15.27	16.91	16.13	16.76	1.96
23	5.82	25.731	21.26	20.79	22.57	22.20	24.61	21.04	22.11	27.46	27.72	28.66	22.42	22.91	22.37	25.29	22.38	23.58	2.47
24	5.57	23.432	24.39	24.74	28.23	27.58	27.89	26.42	28.01	30.59	30.85	32.12	27.96	28.34	28.60	29.40	26.23	28.09	2.06
25	5.33	17.016	24.82	23.25	28.54	27.62	27.66	25.42	28.36	30.44	30.75	32.02	28.09	28.70	28.91	29.05	25.18	27.92	2.31
26	5.12	13.014	23.93	23.09	25.53	25.46	25.68	24.56	24.88	28.40	28.34	28.89	23.22	25.80	24.87	28.72	23.61	25.73	1.85
27	4.92	11.693	23.09	21.75	22.93	23.09	24.54	24.63	22.61	27.32	25.70	26.23	22.83	23.27	21.89	28.23	21.81	24.03	2.05
28	4.74	8.238	20.95	19.68	18.98	18.38	22.66	9999.99	18.52	25.54	24.43	25.19	19.12	19.64	18.38	24.55	20.13	21.15	2.63
29	4.57	5.855	22.13	21.32	19.27	18.68	24.19	9999.99	18.69	27.56	25.78	26.65	19.61	19.96	19.06	26.29	21.29	22.18	3.15
30	4.41	3.427	21.86	24.22	9999.99	9999.99	26.83	9999.99	9999.99	30.68	27.85	29.26	9999.99	9999.99	9999.99	9999.99	23.15	26.27	3.04
31	4.27	2.414	20.73	23.66	9999.99	9999.99	28.47	9999.99	9999.99	30.76	30.31	31.32	9999.99	9999.99	9999.99	9999.99	24.78	27.15	3.80

Table B.18 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 07:00 HOURS Hmo=.61 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	D I R E C T I O N (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CBI	CB2	CB0	D04	DOC	02D	41D	C24		
2	28.00	.944	-129.64	-113.74	-78.37	-77.91	-92.46	-109.33	-38.77	-89.89	-89.76	-89.46	-77.41	-91.91	-113.47	-77.64	-105.61	-91.94	20.80
3	64.00	1.446	-94.40	-85.17	-99.51	-99.82	-96.46	-82.55	-92.02	-93.14	-89.76	-93.48	-100.52	-96.56	-95.47	-98.54	-78.30	-93.32	6.30
4	42.67	1.353	-121.81	-110.08	-126.70	-126.70	-133.29	-106.04	-126.35	-138.44	-143.93	-144.74	-127.05	-126.50	-125.60	-127.91	-107.30	-126.19	11.27
5	32.00	1.349	-161.64	-144.52	-166.96	-165.79	-170.61	-162.10	-162.58	-173.09	-179.55	-178.83	-165.85	-169.36	-169.70	-161.23	-146.61	-165.47	9.79
6	25.60	1.265	-179.69	-163.55	-164.72	-162.59	-168.76	-159.61	-176.22	-166.10	-157.18	-154.89	-165.76	-167.79	-171.31	-171.83	-170.07	-166.67	6.51
7	21.33	1.092	-9.43	-6.87	-30.27	-31.88	-33.63	-1.80	-3.36	-130.52	-119.12	-112.50	-34.42	-43.38	-2.03	-11.61	-6.70	-2.72	55.75
8	18.29	1.624	-7.06	-5.47	-9.52	-13.14	-4.75	-4.09	-9.97	-2.02	-2.07	-4.93	-9.50	-1.53	-8.57	-6.27	-2.41	-5.62	3.91
9	16.00	2.600	-13.03	-12.39	-13.77	-16.42	-11.77	-14.55	-13.87	-11.35	-12.38	-14.40	-13.90	-5.85	-19.91	-12.28	-10.44	-13.09	2.93
10	14.22	3.635	-12.08	-10.81	-10.45	-12.34	-12.41	-13.55	-17.27	-11.07	-11.64	-13.04	-10.14	-4.35	-22.82	-10.80	-10.37	-12.20	3.82
11	12.80	10.707	-6.89	-3.81	-5.67	-5.45	-6.65	-7.47	-11.30	-5.35	-4.62	-4.44	-5.09	-3.99	-11.74	-5.60	-4.88	-6.19	2.31
12	11.64	32.469	-3.79	-1.64	-3.21	-2.36	-3.41	-5.80	-4.06	-2.81	-2.26	-2.36	-2.77	-2.45	-6.87	-3.02	-2.67	-3.31	1.34
13	10.67	57.476	-4.17	-2.20	-3.80	-3.33	-3.33	-6.73	-3.90	-2.44	-1.45	-9.4	-3.38	-2.62	-5.27	-3.59	-3.21	-3.36	1.38
14	9.85	57.762	-6.64	-4.05	-6.44	-5.98	-5.38	-8.53	-6.11	-4.43	-2.87	-2.09	-5.90	-5.01	-6.96	-6.14	-5.20	-5.45	1.57
15	9.14	46.421	-7.62	-5.70	-8.35	-7.90	-6.57	-9.14	-7.84	-5.60	-4.02	-3.27	-7.84	-6.75	-8.87	-7.66	-6.63	-6.92	1.63
16	8.53	36.028	-5.96	-3.88	-5.89	-5.58	-4.49	-6.07	-5.51	-3.38	-1.84	-8.6	-5.46	-4.27	-6.13	-5.66	-4.81	-4.65	1.54
17	8.00	26.676	-1.60	-2.22	-4.5	-3.6	-7.6	-2.57	-1.3	2.11	2.96	4.27	-1.1	1.03	-7.8	-4.9	-3.8	-3.2	1.68
18	7.53	23.814	3.59	3.53	3.28	3.33	5.91	2.58	3.51	7.80	7.62	9.14	3.56	4.35	3.15	5.05	3.61	4.67	1.95
19	7.11	27.692	5.78	6.51	5.80	6.19	7.86	6.03	5.04	9.93	10.07	11.33	6.12	6.41	5.19	7.78	6.49	7.10	1.85
20	6.74	28.649	6.07	7.37	6.53	6.93	8.40	7.47	5.57	10.33	10.60	11.67	6.79	6.99	5.52	8.65	7.26	7.74	1.79
21	6.40	23.322	6.21	9.45	7.01	7.91	9.16	10.82	6.65	10.63	11.13	11.68	7.63	7.80	5.71	9.51	8.35	8.64	1.81
22	6.10	17.211	8.57	10.55	8.78	9.38	12.15	12.58	8.38	13.51	13.27	14.05	9.34	9.70	8.28	11.97	10.18	10.71	1.95
23	5.82	16.134	13.69	13.55	13.34	13.62	16.79	15.20	12.63	18.91	18.73	19.80	13.63	14.09	13.11	16.61	14.22	15.19	2.29
24	5.57	13.499	17.95	18.53	19.78	19.49	22.61	19.83	19.43	25.31	25.37	26.68	19.86	20.31	19.44	23.31	19.75	21.18	2.66
25	5.33	11.202	21.39	20.86	23.18	22.57	25.40	23.75	22.98	28.25	28.42	29.54	23.11	23.62	22.48	26.63	22.61	24.32	2.60
26	5.12	8.147	21.35	20.86	23.18	22.57	25.40	23.75	22.98	28.25	28.42	29.54	23.11	23.62	22.48	26.63	22.61	24.32	2.46
27	4.92	4.617	19.79	16.95	19.83	21.07	23.87	9999.99	21.50	26.71	25.87	27.06	19.71	20.25	19.65	28.45	19.72	22.28	3.99
28	4.74	3.277	19.06	16.26	16.00	15.89	26.93	9999.99	15.25	29.25	23.74	24.40	16.37	16.51	15.54	9999.99	19.04	19.55	4.65
29	4.57	2.209	17.13	15.10	16.91	15.77	27.87	9999.99	16.05	30.24	24.99	24.55	17.55	17.39	15.03	9999.99	19.77	20.43	4.66
30	4.41	1.277	16.36	15.10	9999.99	9999.99	28.59	9999.99	9999.99	30.79	27.78	27.08	9999.99	9999.99	9999.99	9999.99	20.42	23.73	5.87
31	4.27	.797	12.83	11.40	9999.99	9999.99	29.46	9999.99	9999.99	31.55	26.77	27.00	9999.99	9999.99	9999.99	9999.99	19.45	22.65	7.51

Table B.19 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 10:00 HOURS Hmo=.59 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	28.00	1.151	-134.09	-83.25	-93.35	-101.75	-87.63	-56.05	-14.38	-12.71	-108.63	-107.48	-100.81	-88.72	-104.82	-111.07	-64.92	-92.72	27.77
3	64.00	1.389	-126.44	-100.23	-114.43	-117.62	-116.94	-92.33	-111.20	-129.83	-132.09	-130.47	-116.85	-113.18	-118.52	-121.03	-93.44	-115.69	11.98
4	42.67	1.231	-100.95	-103.28	-116.04	-113.83	-113.44	-107.33	-116.43	-119.03	-119.79	-123.62	-116.62	-115.24	-106.20	-112.85	-106.18	-112.73	6.32
5	32.00	1.328	-91.59	-97.65	-114.42	-111.38	-107.68	-100.88	-119.03	-113.88	-115.93	-121.58	-116.20	-112.83	-92.16	-108.82	-94.35	-107.52	10.23
6	25.60	1.088	-131.50	-97.20	-161.30	-148.32	-143.44	-96.64	-151.31	-162.37	-173.34	173.01	-156.77	-166.03	164.90	-140.59	-94.75	-147.75	30.07
7	21.33	1.009	40.16	9.43	75.09	73.43	49.66	-6.11	150.97	64.77	66.48	73.67	77.45	63.84	58.67	51.39	3.13	55.72	36.37
8	18.29	1.749	2.80	.09	11.70	8.41	-3.03	-5.69	10.39	-5.32	7.14	-9.57	11.80	21.87	10.38	-.86	-2.24	2.89	8.72
9	16.00	2.484	-9.14	-3.66	-2.75	-6.50	-9.72	-7.99	1.87	-10.61	-12.08	-15.34	2.45	8.13	-10.19	7.43	-6.13	-6.29	5.69
10	14.22	3.422	-10.12	-3.55	-2.81	-4.91	-9.72	-7.81	3.94	-11.63	-13.76	-18.42	-2.36	6.14	-12.99	-7.00	-6.27	-6.75	6.32
11	12.80	9.163	-7.57	-4.74	-5.72	-5.83	-8.28	-9.65	-8.3	-10.23	-10.23	-12.81	-5.14	-1.86	-15.51	-6.25	-5.90	-7.27	3.70
12	11.64	31.911	-6.57	-5.26	-6.64	-6.26	-6.77	-8.92	-4.05	-7.08	-8.03	-9.86	-6.20	-4.68	-12.91	-6.19	-5.50	-6.99	2.15
13	10.67	73.471	-6.19	-4.48	-5.36	-4.80	-5.58	-8.53	-3.75	-5.53	-5.47	-6.71	-4.80	-3.55	-10.77	-5.61	-4.71	-5.73	1.78
14	9.85	83.290	-6.93	-4.37	-5.29	-4.83	-5.76	-8.93	-5.19	-5.08	-3.95	-4.11	-4.80	-3.26	-9.66	-6.08	-4.96	-5.55	1.71
15	9.14	61.189	-8.42	-5.68	-7.02	-6.92	-6.62	-10.55	-5.27	-5.61	-3.70	-3.01	-6.25	-4.29	-9.36	-7.90	-6.36	-6.42	1.97
16	8.53	41.599	-8.24	-6.96	-7.44	-7.74	-7.83	-14.13	-6.63	-6.94	-6.08	-4.84	-7.23	-6.01	-10.18	-7.53	-6.65	-6.61	1.93
17	8.00	27.187	-8.19	-6.96	-7.44	-7.74	-7.83	-14.13	-6.63	-6.94	-6.08	-4.84	-7.23	-6.01	-10.18	-7.53	-6.65	-6.61	1.93
18	7.53	21.117	-5.40	-4.23	-4.43	-5.01	-4.96	-10.37	-3.47	-4.17	-3.54	-1.62	-4.23	-3.46	-6.27	-5.58	-4.67	-7.80	2.16
19	7.11	17.959	-2.57	-4.5	-1.5	-4.0	1.76	2.63	2.15	2.85	2.95	5.10	.38	1.35	-1.41	.71	.52	-4.76	1.84
20	6.74	14.977	-7.2	1.55	-5.4	-4.9	4.12	3.46	2.74	5.66	5.40	7.91	1.16	2.02	-1.73	3.28	1.61	1.09	1.85
21	6.40	11.260	-1.9	-6.2	-6.1	-3.7	6.94	5.93	.50	9.03	5.27	9.00	1.14	.02	-5.33	5.24	1.16	2.50	2.47
22	6.10	8.469	-2.74	-3.60	-4.06	-2.96	9.39	9.99	-3.49	11.50	2.37	6.75	-3.41	-4.03	-11.59	6.39	-7.0	2.39	4.05
23	5.82	5.176	-5.65	-3.26	-5.91	-5.04	9.99	9.99	-4.85	9.99	-2.45	5.69	-4.52	-5.86	-8.49	9.99	-3.89	-4.02	6.17
24	5.57	3.778	-2.87	-2.57	-6.15	-4.04	9.99	9.99	-5.44	9.99	-1.95	9.79	-4.03	-5.28	-4.68	9.99	-4.13	-2.86	4.18
25	5.33	3.284	-3.76	-1.53	-3.92	.04	9.99	9.99	-4.45	9.99	7.32	17.52	-1.48	-2.65	-8.25	9.99	1.99	.05	6.70
26	5.12	2.763	-2.86	1.60	-2.92	.98	9.99	9.99	-3.66	9.99	15.62	24.11	-8.1	-2.26	-10.90	9.99	10.02	2.58	9.58
27	4.92	1.890	-3.67	.66	-10.47	-4.11	9.99	9.99	-9.87	9.99	23.66	26.66	-7.03	-9.58	-19.30	9.99	17.96	.33	14.59
28	4.74	1.181	-10.34	5.47	-17.33	-8.17	9.99	9.99	-15.68	9.99	9.99	26.82	-11.19	-11.19	-26.14	9.99	9.99	-8.94	13.80
29	4.57	.891	-24.57	9.01	-22.45	-11.55	9.99	9.99	-22.00	9.99	9.99	9.99	-12.71	-16.14	-31.14	9.99	9.99	-18.70	7.10
30	4.41	.509	-28.37	-6.49	-27.62	-13.32	9.99	9.99	-27.74	9.99	9.99	9.99	-15.21	-19.18	-36.77	9.99	9.99	-21.84	9.31
31	4.27	.281	-25.91	-9.88	-29.52	9.99	9.99	9.99	-31.32	9.99	9.99	9.99	9.99	9.99	-32.13	9.99	9.99	-25.75	8.20

Table B.20 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 13:00 HOURS Hmo=.45 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Sid dev
			012	34C	D03	D24	C1D	4C5	DOE	CB1	CB2	CB0	D04	DOC	O2D	41D	C24		
2	28.00	.880	-79.15	-68.02	-91.44	-88.00	-85.82	-84.13	-80.16	-72.72	-74.92	-75.55	-88.32	-86.17	-82.13	-89.23	-81.09	-81.80	8.11
3	64.00	1.082	-110.30	-92.34	-108.66	-107.56	-105.88	-100.76	-114.25	-118.56	-121.71	-123.06	-106.94	-106.02	-109.87	-105.38	-97.81	-108.60	8.11
4	42.67	912	-128.83	-113.27	-126.65	-127.93	-122.90	-112.83	-123.79	-141.65	-152.07	-153.57	-126.03	-125.54	-128.18	-121.22	-113.38	-127.91	12.03
5	32.00	906	-142.51	-139.00	-140.29	-144.00	-141.31	-135.38	-141.24	-155.17	-163.70	-164.94	-140.71	-140.73	-139.13	-137.85	-134.90	-144.00	9.12
6	25.60	870	-150.27	-142.64	-151.31	-153.95	-154.41	-141.51	-151.87	-168.49	-176.14	-178.29	-151.60	-151.73	-149.11	-149.11	-141.53	-154.40	11.47
7	21.33	983	-113.40	-66.71	-109.49	-118.11	99.95	65.48	-122.05	-157.18	-179.54	163.97	-112.59	-108.78	-119.61	95.63	66.07	-113.56	36.92
8	18.29	1706	-23.72	-17.32	-15.59	-18.41	22.57	30.86	-7.49	-22.65	-23.88	26.07	-14.89	-4.2	30.68	-21.19	22.98	-19.94	7.82
9	16.00	2.664	-19.87	-14.47	-15.82	-18.24	-19.53	-26.30	-12.37	-18.95	-19.54	-20.71	-15.06	-2.29	-30.67	-17.07	-18.28	-18.09	6.28
10	14.22	3.041	-15.04	-11.56	-8.39	-10.68	-14.41	-21.40	-10.66	-12.24	-11.88	-10.08	-8.15	.81	-19.31	-12.11	-12.02	-11.68	4.81
11	12.80	5.812	-6.72	-7.37	-6.15	-6.88	-7.84	-14.76	1.34	-7.78	-9.38	-11.49	-5.85	6.2	-16.22	-7.05	-6.61	-7.48	4.47
12	11.64	17.674	-5.24	-3.80	-3.35	-3.88	-4.90	-9.49	3.31	-5.03	-5.35	-6.57	-2.89	1.51	-8.22	-5.01	-4.07	-4.20	3.12
13	10.67	39.797	-5.62	-2.70	-2.96	-3.59	-5.17	-7.08	-1.02	-4.25	-3.18	-2.58	-2.42	3.53	-5.87	-5.06	-4.04	-3.67	1.90
14	9.85	46.742	-7.65	-4.27	-5.68	-5.94	-7.40	-8.37	-6.34	-6.28	-4.93	-3.90	-5.11	-3.36	-8.86	-6.88	-6.15	-6.07	1.54
15	9.14	32.109	-11.88	-6.95	-9.96	-9.47	-11.19	-11.20	-12.87	-10.58	-9.47	-8.93	-9.20	-8.97	-14.55	-10.20	-9.29	-10.31	1.78
16	8.53	23.019	-11.80	-8.17	-10.58	-10.26	-10.41	-12.59	-12.22	-9.51	-8.41	-7.32	-9.97	-8.88	-14.05	-10.31	-9.64	-10.27	1.74
17	8.00	16.747	-11.10	-9.07	-10.58	-10.16	-9.56	-13.31	-12.16	-8.41	-7.25	-6.06	-10.03	-8.81	-14.92	-10.39	-9.56	-10.09	2.16
18	7.53	13.628	-9.53	-7.23	-8.66	-7.80	-8.26	-12.66	-10.74	-7.25	-6.65	-5.64	-8.02	-7.92	-14.40	-8.76	-8.21	-8.78	2.21
19	7.11	10.777	-10.96	-6.30	-9.07	-7.62	-9.83	-12.49	-10.30	-9.18	-7.46	-6.70	-8.15	-8.69	-16.58	-9.76	-8.54	-9.44	2.47
20	6.74	9.367	-11.16	-4.45	-9.41	-7.02	-8.59	9999.99	-10.34	-8.15	-6.07	-5.71	-8.08	-9.37	-16.66	-8.50	-6.64	-8.58	2.86
21	6.40	6.055	-13.77	-6.17	-10.39	-7.78	-9.02	9999.99	-10.34	-8.40	-6.83	-5.14	-8.65	-9.38	-17.10	-10.16	-8.34	-9.39	2.95
22	6.10	4.738	-22.23	-15.62	-18.87	-17.06	-26.02	9999.99	-17.88	-26.27	-18.75	-14.73	-17.49	-17.69	-25.78	-26.34	-19.86	-20.33	4.03
23	5.82	3.937	-26.41	-19.99	-25.12	-23.12	-36.18	9999.99	-23.00	-36.87	-26.56	-23.27	-23.73	-25.33	-28.80	-33.72	-26.85	-27.06	4.94
24	5.57	2.707	-33.10	-24.04	-31.47	-28.87	-43.35	9999.99	-29.43	-44.42	-38.29	-37.63	-29.88	-33.10	-37.38	-38.48	-38.15	-34.83	5.59
25	5.33	2.083	-41.39	-26.14	-33.69	-30.81	-43.53	9999.99	-32.98	-44.54	-41.12	-42.09	-32.03	-35.83	-46.58	-38.37	-41.35	-37.89	5.81
26	5.12	1.629	-42.59	-30.69	-36.35	-34.71	-45.69	9999.99	-35.78	-46.11	-42.67	-44.09	-35.74	-38.78	-48.01	-41.36	-41.35	-37.89	5.81
27	4.92	1.136	-46.02	-35.46	-40.50	-38.48	-48.55	9999.99	-40.00	-49.19	-49.26	-52.56	-39.50	-39.50	-43.27	-44.28	-50.21	-45.11	4.92
28	4.74	.830	-49.84	-36.39	-44.09	-43.37	-49.47	9999.99	-43.41	-50.16	-51.22	-53.94	-43.56	-45.74	-56.17	-47.19	-52.16	-49.99	5.05
29	4.57	.583	-55.61	-38.43	-46.80	-47.69	-50.76	9999.99	-46.18	-52.39	-52.00	-53.95	-47.52	-45.74	-60.16	-50.99	-51.57	-49.99	5.02
30	4.41	.467	-61.33	-45.13	-51.17	-54.00	-54.50	9999.99	-48.01	-56.16	-54.84	-56.87	-53.65	-50.77	-65.20	-55.50	-53.85	-54.35	4.83
31	4.27	.343	-65.32	-44.20	-52.52	-52.79	-53.69	9999.99	-50.79	-56.30	-54.89	-56.25	-52.78	-50.77	-68.29	-54.06	-53.85	-54.70	5.75

Table B.21 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 16:00 HOURS Hmo=.39 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	571	-127.81	-18.47	-135.48	-135.46	-117.47	-27.72	-138.44	-41.77	-41.45	-57.04	-135.66	-139.09	-135.66	-134.22	-41.77	-98.84	47.11
3	64.00	761	-122.08	-73.47	-97.21	-99.17	-91.22	-89.24	-92.70	-100.57	-107.32	-102.02	-95.24	-91.23	-115.64	-95.74	-79.37	-96.80	11.94
4	42.67	640	-115.77	-101.57	-108.86	-111.23	-106.81	-103.51	-108.37	-121.56	-134.10	-132.35	-108.63	-108.11	-116.90	-106.20	-101.21	-112.29	9.79
5	32.00	489	-132.91	-120.03	-131.87	-134.96	-128.19	-118.66	-131.47	-138.71	-151.21	-148.98	-131.69	-131.77	-132.67	-123.01	-118.65	-131.63	9.33
6	25.60	418	-103.64	-78.26	-109.26	-102.13	-105.67	-99.90	-113.43	-124.62	-132.99	-140.76	-101.84	-107.98	-106.52	-93.79	-95.55	-107.67	15.08
7	21.33	722	-17.08	-6.07	-17.06	-17.97	-18.13	-24.60	-17.34	-16.91	-14.74	-10.85	-13.86	-1.39	-19.39	-16.61	-16.29	-15.23	5.38
8	18.79	1676	-10.37	-5.16	-7.70	-12.03	-11.36	-13.40	-10.18	-10.50	-12.98	-11.52	-7.51	5.16	-13.37	-8.61	-7.62	-8.97	4.38
9	16.00	2569	-14.93	-9.86	-8.73	-13.38	-14.27	-13.93	-14.66	-13.10	-12.98	-13.28	-8.93	3.75	-15.87	-12.18	-11.25	-11.59	4.59
10	14.22	2409	-17.79	-12.83	-12.81	-16.14	-16.65	-15.76	-19.62	-15.51	-15.44	-15.40	-12.51	-5.7	-23.72	-14.82	-14.23	-14.93	4.73
11	12.80	2814	-20.06	-13.11	-16.05	-15.67	-18.44	-16.89	-19.36	-18.28	-19.70	-22.46	-14.72	-10.35	-33.36	-15.10	-15.91	-17.96	5.04
12	11.64	8832	-15.38	-9.66	-12.64	-11.25	-14.54	-13.57	-16.15	-14.30	-14.61	-16.19	-11.51	-10.91	-23.97	-12.29	-12.10	-13.95	3.29
13	10.67	26602	-9.49	-4.16	-6.92	-6.19	-8.07	-9.55	-10.76	-6.96	-5.53	-5.05	-6.08	-5.05	-12.71	-7.32	-6.07	-7.33	2.30
14	9.85	36874	-7.56	-5.03	-5.75	-5.13	-6.31	-7.87	-10.52	-4.96	-3.42	-2.60	-5.03	-4.59	-10.60	-5.79	-4.77	-5.86	2.32
15	9.14	28662	-9.52	-5.03	-8.42	-7.45	-8.25	-9.36	-11.61	-7.36	-6.07	-5.56	-7.59	-7.68	-12.32	-8.14	-6.91	-8.08	1.94
16	8.53	18233	-12.70	-8.76	-12.60	-11.55	-11.58	-11.97	-10.95	-9.45	-8.95	-8.95	-11.68	-11.21	-16.15	-12.28	-10.79	-11.60	1.78
17	8.00	11429	-11.64	-8.99	-12.49	-10.84	-10.27	-11.93	-13.70	-9.45	-8.35	-8.25	-11.60	-11.53	-19.32	-10.98	-10.05	-11.29	2.60
18	7.53	7607	-11.21	-5.97	-9.46	-6.99	-8.10	-10.53	-12.44	-7.40	-6.48	-7.08	-8.30	-9.32	-19.67	-7.68	-7.17	-9.18	3.32
19	7.11	5794	-14.87	-8.64	-13.28	-11.29	-11.98	-14.92	-13.63	-11.56	-9.65	-9.36	-11.96	-12.01	-20.93	-12.29	-10.84	-12.48	2.87
20	6.74	4461	-17.14	-11.82	-16.29	-14.58	-17.40	-23.10	-15.80	-17.21	-13.89	-12.84	-15.17	-15.54	-21.69	-17.95	-14.62	-16.34	2.90
21	6.40	3762	-20.37	-16.82	-20.41	-19.83	-24.07	-39.17	-19.38	-24.15	-18.07	-15.83	-20.05	-19.45	-23.43	-27.41	-18.99	-21.81	5.48
22	6.10	3076	-23.72	-23.77	-26.53	-25.74	-28.80	-39.59	-29.16	-25.44	-23.83	-26.35	-26.35	-25.95	-30.08	-31.88	-25.99	-27.41	3.98
23	5.82	2792	-34.72	-31.88	-35.16	-34.21	-44.27	-44.27	-32.91	-39.13	-35.17	-35.61	-35.08	-34.08	-39.89	-38.88	-34.96	-36.28	3.10
24	5.57	2799	-42.48	-33.96	-39.49	-37.92	-41.51	-47.09	-36.90	-42.43	-40.01	-40.81	-38.80	-38.52	-46.64	-40.66	-39.69	-40.46	3.28
25	5.33	2448	-44.21	-35.03	-39.82	-38.62	-42.68	-45.16	-37.49	-43.62	-41.40	-41.38	-39.13	-39.31	-44.35	-41.12	-40.96	-41.02	2.82
26	5.12	2109	-48.13	-37.98	-40.97	-40.20	-45.21	-50.49	-39.42	-45.74	-42.84	-43.58	-40.79	-41.00	-46.61	-43.46	-42.55	-43.26	3.33
27	4.92	1941	-51.11	-41.11	-45.39	-44.70	-49.04	-49.04	-45.58	-49.50	-47.88	-48.56	-45.16	-45.76	-50.11	-47.36	-47.82	-47.47	3.18
28	4.74	1637	-50.94	-43.88	-49.05	-49.94	-52.18	-54.25	-46.64	-53.16	-52.64	-52.62	-49.89	-49.29	-51.00	-51.57	-52.00	-50.61	2.58
29	4.57	1177	-53.59	-44.58	-51.61	-52.26	-53.96	-55.81	-51.47	-56.16	-55.11	-52.64	-49.89	-51.18	-54.64	-53.63	-53.40	-53.01	2.74
30	4.41	1066	-57.69	-47.10	-54.49	-53.37	-55.16	-57.73	-55.24	-57.37	-55.47	-56.37	-53.70	-53.76	-59.56	-54.43	-53.50	-55.00	2.76
31	4.27	993	-58.32	-51.70	-54.84	-54.96	-56.58	-59.69	-55.83	-58.26	-56.71	-57.50	-55.14	-55.66	-59.52	-55.61	-55.41	-56.38	1.99

Table B.22 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 19:00 HOURS Hmo=.39 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	4.66	-75.06	-39.70	-38.81	-58.07	-46.21	-53.74	-42.35	-49.43	-30.87	-36.41	-59.28	-43.48	-70.49	-60.37	-31.51	-30.36	12.94
3	64.00	6.49	-71.99	-43.37	-62.54	-60.59	-54.23	-59.15	-46.55	-55.08	-47.36	-49.48	-59.28	-48.84	-66.68	-62.40	-42.79	-55.44	8.55
4	42.67	5.05	-94.62	-52.15	-71.94	-69.18	-66.28	-70.61	-67.31	-71.75	-65.04	-68.72	-69.66	-62.48	-94.39	-70.27	-54.19	-69.84	11.20
5	32.00	3.52	-120.84	-60.01	-89.43	-87.38	-80.53	-81.51	-94.96	-99.98	-108.14	-102.58	-81.82	-80.77	-110.62	-86.92	-66.24	-90.39	15.77
6	25.60	3.39	-89.64	-70.61	-80.92	-81.81	-74.18	-69.43	-92.04	-94.98	-97.53	-97.77	-81.82	-73.33	-89.85	-82.02	-63.71	-82.39	10.81
7	21.33	5.42	-21.86	-25.14	-26.60	-29.41	-22.30	-29.37	-17.98	-22.43	-21.51	-20.89	-26.63	-13.73	-32.04	-24.78	-23.29	-23.86	4.52
8	18.29	1.523	-11.51	-8.96	-12.34	-13.73	-11.72	-15.86	-11	-12.36	-15.22	-19.77	-12.19	-2.73	-25.25	-10.25	-9.56	-12.10	5.83
9	16.00	2.889	-11.90	-6.29	-9.96	-10.87	-10.20	-12.12	-4.05	-10.82	-12.25	-15.60	-9.17	-1.23	-16.84	-9.46	-7.84	-9.91	3.87
10	14.22	2.776	-13.81	-8.19	-10.96	-12.38	-12.28	-14.10	-13.67	-11.55	-11.06	-11.54	-10.13	-2.29	-14.50	-11.83	-10.54	-11.26	2.89
11	12.80	2.653	-18.19	-12.93	-16.52	-17.01	-16.40	-19.09	-19.90	-16.06	-16.02	-17.41	-15.57	-10.38	-24.41	-15.76	-15.31	-16.73	3.03
12	11.64	6.604	-14.11	-9.45	-13.42	-12.33	-12.82	-17.31	-16.28	-12.49	-12.26	-13.10	-12.61	-12.46	-20.01	-11.86	-11.16	-13.44	2.53
13	10.67	22.072	-12.94	-8.68	-11.76	-10.69	-10.68	-15.36	-14.28	-10.90	-9.75	-9.86	-11.03	-11.05	-15.54	-11.13	-10.13	-11.65	1.99
14	9.85	35.325	-12.53	-8.27	-11.10	-10.14	-10.68	-14.57	-11.66	-10.12	-8.57	-8.57	-10.42	-10.00	-14.27	-10.80	-9.63	-10.76	1.82
15	9.14	27.237	-10.74	-6.52	-9.46	-8.40	-8.73	-13.51	-9.19	-8.12	-6.58	-6.66	-8.79	-8.44	-12.65	-8.85	-7.78	-8.96	1.96
16	8.53	15.414	-9.79	-6.44	-8.89	-7.97	-7.54	-15.36	-8.94	-6.75	-5.41	-5.24	-8.33	-7.85	-11.61	-8.10	-7.01	-8.35	2.45
17	8.00	8.760	-12.57	-10.21	-12.56	-11.72	-11.16	-17.59	-13.80	-10.47	-9.48	-8.84	-12.03	-11.77	-15.31	-11.82	-10.96	-12.02	2.16
18	7.53	5.516	-17.11	-13.82	-17.37	-16.14	-16.50	-19.06	-19.10	-16.21	-14.92	-14.53	-16.56	-16.54	-20.11	-17.18	-15.70	-16.72	1.67
19	7.11	3.855	-19.79	-15.86	-19.49	-17.97	-19.27	-25.46	-21.98	-19.11	-16.53	-16.92	-18.70	-18.47	-24.11	-21.10	-17.32	-19.47	2.62
20	6.74	2.954	-24.65	-18.32	-23.85	-22.19	-29.03	-37.40	-24.29	-29.43	-21.89	-21.66	-22.71	-22.44	-26.73	-29.54	-22.45	-25.10	4.52
21	6.40	2.930	-28.90	-22.49	-27.51	-26.16	-31.55	-42.15	-26.33	-32.14	-26.78	-25.98	-26.36	-26.08	-28.62	-31.23	-22.12	-28.62	4.36
22	6.10	2.623	-32.18	-29.71	-33.37	-32.58	-34.88	-40.09	-32.54	-35.62	-33.49	-33.17	-32.78	-32.04	-34.05	-35.62	-33.39	-33.70	2.23
23	5.82	2.456	-37.52	-33.90	-38.75	-37.75	-40.13	-45.31	-37.73	-40.83	-39.18	-39.48	-38.06	-38.02	-40.60	-39.70	-38.95	-39.06	2.32
24	5.57	2.695	-42.68	-36.78	-42.64	-41.13	-43.37	-48.25	-41.15	-44.08	-44.47	-45.68	-41.64	-41.62	-45.89	-42.75	-41.61	-42.55	2.41
25	5.33	3.035	-47.94	-38.18	-45.52	-42.91	-45.10	-50.14	-45.10	-46.60	-44.47	-45.68	-43.67	-44.36	-50.29	-44.65	-44.18	-45.31	2.83
26	5.12	3.481	-50.41	-39.70	-46.62	-44.34	-47.18	-52.28	-46.26	-48.09	-46.04	-47.12	-45.01	-45.62	-51.80	-46.08	-45.66	-46.81	2.99
27	4.92	4.379	-53.15	-43.63	-50.06	-48.88	-50.42	-53.70	-49.14	-51.12	-49.24	-50.20	-51.58	-51.00	-53.72	-50.12	-48.62	-50.02	2.39
28	4.74	4.956	-53.62	-46.37	-51.95	-51.40	-52.25	-53.61	-50.66	-52.97	-51.25	-51.98	-51.58	-51.00	-53.81	-50.32	-48.62	-51.66	1.76
29	4.57	5.760	-54.17	-48.40	-52.77	-52.31	-53.26	-55.42	-51.62	-54.59	-53.02	-53.39	-52.45	-52.38	-54.54	-52.92	-51.64	-52.86	1.60
30	4.41	5.282	-56.61	-49.35	-53.90	-53.08	-54.13	-56.84	-54.53	-55.85	-53.95	-54.28	-53.33	-53.38	-56.85	-53.76	-52.19	-54.14	1.88
31	4.27	4.937	-57.71	-50.55	-55.45	-54.95	-55.41	-57.13	-55.85	-56.36	-54.77	-55.38	-55.15	-54.92	-58.21	-55.42	-53.43	-55.38	1.74

Table B.23 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 03/02/94 22:00 HOURS Hmo=.32 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C1B	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	384	-76.34	-47.23	-46.87	-64.88	-45.70	-25.14	-45.70	-36.76	-37.11	-63.87	-24.42	-64.11	-66.86	-29.06	-45.39	17.22	
3	64.00	485	-60.82	-37.59	-37.90	-48.24	-47.34	-41.31	-21.97	-46.51	-35.19	-44.86	-29.60	-30.65	-52.96	-34.67	-40.32	9.64	
4	42.67	291	-63.76	-12.84	-61.79	-56.81	-60.27	-62.12	-64.78	-67.16	-61.80	-55.23	-49.45	-39.09	-59.92	-55.18	-55.35	13.12	
5	32.00	188	-92.46	-16.56	-96.89	-93.08	-84.55	-83.16	-99.80	-101.85	-108.36	-109.46	-83.41	-92.92	-92.88	-77.11	-89.54	21.11	
6	25.60	208	-77.20	-40.87	-74.17	-73.68	-64.16	-57.70	-57.31	-76.59	-69.96	-70.66	-56.98	-71.78	-73.91	-50.08	-65.96	10.54	
7	21.33	371	-39.78	-11.25	-29.25	-25.32	-25.02	-32.09	-16.25	-24.69	-21.54	-28.56	-11.90	-43.74	-28.32	-20.33	-25.43	8.69	
8	18.29	1009	-18.19	-8.47	-12.67	-13.76	-15.22	-17.75	-3.78	-15.31	-16.31	-20.40	-11.21	-17	-13.67	-12.30	-12.53	5.83	
9	16.00	2208	-14.82	-9.57	-10.75	-14.49	-14.49	-16.89	-11.88	-13.26	-13.19	-14.33	-9.97	-23.69	-13.67	-12.05	-12.32	4.03	
10	14.22	2351	-17.10	-13.26	-14.00	-14.73	-15.60	-19.64	-14.92	-14.71	-14.33	-13.53	-7.17	-22.98	-14.97	-13.79	-14.97	3.28	
11	12.80	1916	-19.65	-16.77	-19.03	-19.32	-17.87	-22.95	-16.32	-17.71	-16.93	-18.08	-18.75	-24.75	-18.74	-16.45	-18.57	2.39	
12	11.64	3532	-20.34	-15.54	-19.21	-18.57	-18.23	-23.78	-18.32	-18.12	-17.22	-18.58	-18.45	-26.27	-18.28	-16.78	-18.95	2.68	
13	10.67	9109	-17.28	-12.99	-16.05	-15.61	-15.38	-21.04	-14.90	-13.11	-14.05	-14.62	-15.38	-20.24	-15.65	-14.56	-15.73	2.18	
14	9.85	16895	-14.86	-10.79	-12.52	-12.41	-12.86	-17.21	-12.54	-12.54	-11.61	-12.29	-12.63	-20.24	-12.80	-11.87	-13.16	1.95	
15	9.14	15758	-13.93	-9.92	-12.50	-11.41	-12.42	-15.08	-14.05	-12.09	-11.41	-12.18	-11.84	-18.44	-12.19	-11.20	-12.69	1.97	
16	8.53	9121	-15.13	-10.78	-13.40	-12.59	-13.92	-15.07	-15.16	-13.44	-12.17	-11.81	-12.65	-17.72	-14.18	-12.70	-13.53	1.67	
17	8.00	5423	-18.15	-13.02	-16.33	-15.56	-16.42	-17.99	-16.40	-16.02	-13.97	-15.02	-15.44	-18.77	-17.22	-15.08	-15.85	1.71	
18	7.53	3900	-23.57	-18.83	-22.85	-21.79	-23.73	-30.00	-22.43	-23.82	-20.54	-20.19	-22.01	-21.14	-26.36	-24.42	-22.86	2.64	
19	7.11	3560	-33.12	-24.96	-30.51	-29.22	-32.64	-38.23	-28.03	-32.93	-28.27	-28.70	-29.55	-28.55	-33.63	-32.78	-22.86	2.64	
20	6.74	3788	-38.27	-30.75	-35.32	-34.23	-37.47	-42.11	-34.70	-38.05	-33.98	-34.65	-34.65	-33.87	-37.38	-38.46	-30.64	3.13	
21	6.40	3981	-41.50	-35.57	-38.76	-37.89	-40.29	-44.66	-40.11	-41.19	-38.14	-38.88	-38.43	-37.87	-43.88	-40.09	-39.67	2.69	
22	6.10	3353	-42.64	-36.76	-41.09	-40.09	-42.41	-45.25	-42.03	-43.19	-40.50	-41.19	-40.51	-40.09	-44.58	-42.02	-41.50	1.99	
23	5.82	3509	-45.09	-39.93	-43.97	-43.03	-44.66	-48.08	-42.89	-45.69	-44.10	-44.62	-43.41	-43.39	-44.22	-43.59	-44.25	1.81	
24	5.57	3417	-48.17	-41.29	-44.66	-44.06	-45.71	-49.96	-43.88	-46.90	-44.78	-45.26	-44.45	-48.89	-45.39	-43.92	-45.42	2.16	
25	5.33	3533	-49.50	-42.56	-46.38	-45.98	-46.92	-51.40	-44.89	-48.35	-46.00	-46.09	-46.16	-48.71	-47.09	-44.81	-46.66	2.08	
26	5.12	3651	-51.52	-44.71	-48.82	-48.34	-49.33	-52.64	-47.51	-50.85	-49.18	-49.36	-48.55	-51.47	-49.29	-47.93	-49.15	1.88	
27	4.92	3255	-53.46	-46.40	-52.77	-51.73	-52.15	-53.90	-51.40	-52.90	-52.16	-52.79	-51.92	-54.75	-52.21	-51.36	-52.09	1.78	
28	4.74	3212	-55.57	-48.88	-54.04	-52.98	-53.62	-55.77	-54.17	-54.22	-53.47	-54.07	-53.19	-56.65	-53.46	-52.84	-53.74	1.68	
29	4.57	3429	-57.88	-50.15	-55.58	-54.63	-54.89	-56.62	-55.77	-54.56	-54.82	-55.39	-54.84	-58.71	-54.65	-53.97	-55.15	1.83	
30	4.41	2955	-59.16	-51.90	-57.23	-56.49	-56.87	-58.39	-55.18	-57.18	-56.62	-57.27	-56.65	-59.99	-56.73	-55.99	-56.83	1.76	
31	4.27	2313	-60.34	-52.56	-57.43	-56.87	-57.69	-58.75	-56.31	-58.12	-57.11	-57.77	-57.06	-60.85	-57.32	-56.35	-57.45	1.81	

Table B.24 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 01:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² s ⁻²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	CID	4C5	D0E	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	.410	-4.95	55.80	-103.69	-62.38	-64.15	-110.28	26.64	-45.80	-58.06	-30.08	-57.52	-71.40	22.61	-54.57	-96.66	-49.50	47.37
3	64.00	.496	-55.80	-18.71	-77.89	67.57	-54.41	-58.88	-33.94	-56.39	-59.28	-59.60	-68.53	-60.90	-68.53	-66.22	-53.94	-57.53	13.97
4	42.67	.370	-92.65	-66.03	-67.06	-75.90	-53.01	-37.91	-63.03	-59.49	-56.75	-61.79	-75.91	-59.17	-91.93	-75.89	-44.14	-65.35	14.85
5	32.00	.199	-72.80	-54.08	-26.96	-36.95	-22.02	-26.29	-61.70	-22.10	-3.46	-16.11	-41.43	-27.94	-83.14	-35.19	-19.20	-36.24	21.53
6	25.60	.157	-10.50	-36.62	-18.14	-28.08	-3.57	-18.85	-40.75	1.44	5.66	-2.58	-30.54	-17.39	-58.61	-13.56	-4.77	-18.28	17.14
7	21.33	.268	-12.74	-22.50	-21.55	-25.52	-10.89	-13.80	-24.29	-9.06	-9.76	-12.62	-23.84	-11.57	-36.32	-15.77	-11.32	-17.42	7.56
8	18.29	.857	-12.34	-11.12	-13.62	-14.66	-11.47	-13.41	-16.85	-9.39	-8.64	-8.53	-13.24	-6.44	-22.22	-11.07	-10.17	-12.21	3.71
9	16.00	2.476	-11.86	-10.62	-10.98	-11.42	-11.31	-14.45	-9.17	-10.40	-9.76	-10.70	-10.74	-6.21	-19.05	-10.82	-10.51	-11.20	2.66
10	14.22	2.616	-12.15	-10.75	-11.97	-11.95	-11.50	-15.26	-7.73	-10.79	-10.03	-10.97	-11.51	-7.83	-19.45	-11.53	-10.78	-11.61	2.70
11	12.80	1.621	-16.81	-12.75	-16.74	-16.72	-15.54	-16.57	-18.61	-14.72	-12.76	-11.46	-15.25	-11.82	-19.77	-16.72	-14.82	-15.44	2.33
12	11.64	3.126	-23.26	-16.53	-21.21	-20.56	-20.82	-20.50	-22.29	-20.77	-18.91	-18.99	-20.13	-17.47	-22.68	-21.70	-19.36	-20.55	1.80
13	10.67	7.135	-21.14	-16.54	-19.80	-19.51	-19.89	-24.18	-20.95	-19.75	-17.73	-17.19	-19.11	-17.11	-21.53	-20.43	-18.65	-19.57	1.93
14	9.85	9.956	-17.23	-13.52	-16.11	-15.79	-16.35	-21.96	-17.43	-15.82	-13.77	-12.44	-15.45	-13.95	-17.69	-16.89	-15.37	-15.98	2.18
15	9.14	9.774	-17.72	-13.49	-17.05	-16.12	-16.50	-20.56	-17.84	-16.06	-14.24	-13.55	-16.18	-15.27	-19.55	-17.15	-15.50	-16.45	1.92
16	8.53	7.221	-18.47	-14.66	-18.10	-17.15	-17.11	-22.68	-20.13	-16.79	-15.28	-15.09	-17.37	-16.68	-21.01	-17.85	-16.34	-17.65	2.14
17	8.00	3.205	-19.95	-15.33	-18.20	-17.03	-18.56	-26.16	-21.10	-18.40	-16.72	-16.90	-17.43	-17.29	-22.72	-18.83	-17.17	-18.78	2.67
18	7.53	2.177	-27.49	-20.61	-25.08	-23.50	-26.88	-37.91	-25.99	-27.06	-23.13	-23.93	-24.14	-24.18	-29.89	-27.38	-23.22	-26.02	3.88
19	7.11	2.556	-32.93	-27.79	-30.98	-29.97	-32.86	-41.87	-33.11	-33.49	-29.85	-30.52	-30.61	-29.95	-35.83	-33.40	-29.99	-32.21	3.25
20	6.74	2.208	-38.23	-30.62	-34.40	-33.34	-37.31	-42.24	-36.25	-38.16	-33.77	-34.44	-33.89	-33.04	-39.62	-36.96	-33.66	-35.73	2.92
21	6.40	2.103	-40.61	-32.11	-36.85	-35.89	-39.32	-44.43	-35.28	-40.01	-35.55	-36.25	-36.31	-34.71	-41.43	-39.34	-35.34	-37.56	3.08
22	6.10	2.347	-42.37	-33.80	-39.39	-38.01	-42.01	-47.60	-37.74	-42.92	-38.61	-39.19	-38.52	-37.61	-43.32	-41.30	-38.19	-40.04	3.17
23	5.82	2.353	-44.74	-35.88	-42.63	-40.70	-45.46	-51.03	-42.04	-46.56	-42.97	-43.83	-41.25	-42.15	-45.45	-43.47	-42.61	-43.39	3.18
24	5.57	2.390	-45.14	-38.63	-43.31	-42.48	-46.57	-50.04	-42.31	-47.42	-44.94	-45.93	-42.77	-43.11	-45.47	-44.98	-44.51	-44.51	2.54
25	5.33	2.177	-47.09	-38.14	-45.54	-44.27	-48.55	-48.73	-45.26	-48.98	-47.33	-48.69	-44.71	-45.00	-48.66	-46.89	-47.33	-46.35	2.69
26	5.12	2.363	-48.66	-41.86	-49.54	-48.36	-50.10	-53.55	-49.28	-50.82	-50.00	-50.64	-48.58	-48.14	-50.73	-49.64	-49.58	-49.14	2.14
27	4.92	2.421	-50.59	-45.54	-51.61	-50.60	-51.20	-53.55	-52.74	-52.87	-51.75	-51.88	-50.81	-50.22	-52.27	-51.26	-50.44	-51.16	1.77
28	4.74	2.527	-53.58	-48.32	-52.30	-51.41	-52.44	-55.22	-52.45	-54.12	-53.01	-53.13	-51.72	-51.75	-52.08	-51.68	-52.51	-52.08	1.56
29	4.57	2.035	-55.05	-50.61	-53.77	-53.93	-54.57	-57.00	-53.29	-55.43	-55.03	-55.21	-54.11	-54.10	-55.60	-54.48	-54.28	-54.43	1.35
30	4.41	1.530	-56.31	-50.35	-55.81	-56.13	-56.47	-59.06	-53.91	-56.62	-56.60	-56.76	-56.18	-56.20	-56.39	-56.34	-56.51	-55.98	1.79
31	4.27	1.188	-59.47	-53.32	-59.63	-59.97	-60.15	-61.97	-56.69	-60.38	-59.90	-60.10	-60.03	-60.42	-60.33	-59.94	-59.17	-59.43	1.93

Table B.25 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 04:00 HOURS Hmo=.24 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	CID	4C5	DOE	CB1	CB2	CB0	D04	D0C	02D	4ID	C24		
2	128.00	595	-54.61	-36.18	-27.73	-27.75	-41.09	-62.56	-60.32	-57.66	-32.11	-16.11	-27.77	-30.22	-41.72	-34.70	-32.11	-38.78	13.45
3	64.00	581	-76.65	-33.88	-33.95	-28.30	-46.44	-60.71	-41.50	-54.93	-34.59	-38.46	-32.51	-35.89	-74.39	-39.71	-33.75	-44.19	14.81
4	42.67	295	-67.66	-11.92	-44.36	-33.32	-49.51	-53.33	-47.51	-67.97	-51.86	-40.18	-34.60	-36.19	-58.28	-42.85	-41.35	-45.45	13.70
5	32.00	201	-52.78	-30.34	-53.31	-51.53	-51.55	-43.08	-42.94	-63.66	-55.72	-45.07	-48.30	-36.20	-25.45	-53.71	-46.30	-46.69	9.69
6	25.60	158	-59.87	-40.12	-52.54	-50.81	-53.44	-54.15	-49.06	-62.06	-57.77	-56.29	-49.21	-42.95	-55.75	-52.96	-54.07	-52.74	5.62
7	21.33	311	-34.55	-31.47	-36.07	-37.50	-25.08	-25.70	-38.29	-25.17	-24.51	-28.23	-35.11	-21.83	-39.21	-32.32	-24.06	-30.61	5.76
8	18.29	960	-14.33	-10.61	-12.78	-13.83	-8.66	-9.86	-3.80	-12.29	-15.97	-23.81	-11.71	2.18	-22.73	-9.38	-6.64	-11.61	6.32
9	16.00	2221	-8.03	-6.57	-5.14	-7.51	-9.72	-9.21	-2.05	-10.20	-12.40	-16.15	-4.35	7.07	-13.47	-7.12	-7.83	-7.52	5.22
10	14.22	2700	-11.05	-9.76	-8.21	-11.02	-12.57	-11.58	-9.76	-11.98	-12.75	-14.04	-8.00	1.43	-13.47	-10.95	-10.44	-10.44	3.71
11	12.80	1814	-14.85	-13.17	-12.11	-14.65	-14.94	-17.60	-17.31	-13.75	-13.28	-13.22	-11.97	-3.51	-21.36	-13.84	-13.30	-13.99	3.70
12	11.64	2600	-19.51	-17.70	-17.35	-18.71	-19.18	-22.95	-22.66	-18.76	-17.33	-16.32	-17.17	-13.04	-24.76	-18.76	-18.16	-18.83	2.78
13	10.67	5998	-20.45	-16.82	-17.63	-17.39	-18.02	-22.96	-19.76	-19.08	-17.29	-16.71	-17.16	-15.20	-21.71	-18.72	-17.96	-18.91	2.35
14	9.85	8358	-20.01	-15.25	-17.10	-16.61	-16.97	-17.41	-23.25	-17.73	-16.03	-15.64	-16.61	-15.02	-20.44	-17.51	-16.89	-17.80	2.26
15	9.14	8156	-19.17	-15.00	-17.13	-16.97	-17.70	-17.67	-20.07	-17.31	-15.50	-14.49	-17.31	-16.63	-21.71	-17.66	-16.70	-17.78	2.14
16	8.53	6225	-18.62	-15.37	-17.08	-19.72	-19.55	-23.03	-20.13	-19.42	-17.62	-16.96	-19.59	-18.27	-22.56	-20.54	-18.51	-19.54	1.68
17	8.00	4011	-20.22	-17.08	-19.94	-19.72	-26.59	-25.12	-26.59	-23.75	-23.09	-22.37	-24.77	-22.45	-26.84	-28.35	-23.67	-24.74	2.47
18	7.53	2323	-25.46	-19.66	-25.63	-27.95	-32.31	-37.75	-27.55	-32.75	-27.99	-27.75	-28.15	-27.14	-33.77	-32.13	-28.16	-29.75	3.37
19	7.11	1490	-30.40	-23.36	-29.09	-27.93	-32.25	-44.77	-28.30	-32.98	-27.94	-27.93	-28.47	-27.66	-34.19	-33.03	-28.21	-30.53	4.45
20	6.74	1425	-29.61	-26.23	-28.63	-27.95	-34.67	-49.15	-27.97	-35.36	-29.15	-29.22	-29.07	-28.41	-34.02	-34.86	-29.27	-31.66	5.42
21	6.40	1467	-29.68	-26.16	-29.47	-28.66	-34.67	-49.15	-27.97	-35.36	-29.15	-29.22	-29.07	-28.41	-34.02	-34.86	-29.27	-31.66	5.42
22	6.10	1358	-33.77	-30.32	-33.02	-32.33	-40.29	-46.80	-32.81	-40.86	-34.60	-35.46	-32.86	-32.92	-37.25	-38.44	-40.00	-34.55	4.15
23	5.82	1257	-37.46	-31.58	-38.12	-36.22	-44.19	-47.13	-38.20	-44.83	-39.89	-41.17	-36.85	-38.13	-41.40	-41.16	-40.00	-39.75	3.72
24	5.57	1521	-41.72	-35.87	-42.96	-41.28	-44.82	-47.57	-41.37	-45.50	-43.61	-44.55	-41.78	-42.29	-45.64	-43.45	-43.48	-43.06	2.59
25	5.33	1764	-45.32	-36.97	-43.20	-42.21	-44.23	-47.37	-42.28	-45.26	-42.93	-44.72	-42.70	-41.51	-46.45	-44.29	-42.15	-43.38	2.36
26	5.12	2205	-47.39	-39.05	-44.17	-43.11	-44.92	-48.61	-44.58	-46.89	-44.41	-44.58	-43.59	-42.59	-48.53	-44.89	-43.12	-44.70	2.38
27	4.92	2265	-49.49	-39.82	-45.51	-44.04	-46.19	-50.01	-45.79	-48.20	-46.07	-46.27	-44.56	-44.59	-50.74	-45.53	-44.80	-46.11	2.63
28	4.74	1954	-50.34	-40.93	-46.96	-45.96	-49.11	-51.16	-47.72	-49.36	-47.42	-48.25	-46.38	-46.38	-51.33	-47.31	-46.20	-47.57	2.45
29	4.57	1713	-50.85	-44.74	-49.36	-49.11	-50.76	-53.08	-50.15	-52.30	-50.68	-51.34	-49.26	-49.18	-51.80	-50.12	-49.36	-50.14	1.86
30	4.41	1367	-52.08	-45.87	-52.65	-52.51	-53.52	-54.64	-52.19	-55.22	-53.93	-54.42	-52.44	-52.50	-53.05	-52.93	-52.38	-52.69	2.05
31	4.27	1239	-54.61	-47.60	-53.01	-52.95	-54.30	-58.05	-53.80	-57.52	-55.99	-55.96	-53.02	-53.99	-55.63	-53.18	-53.09	-54.18	2.38

Table B.26 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 07:00 HOURS Hmo=.24 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	CID	4C5	DOE	CBI	CB2	CB0	D04	D0C	02D	4ID	C24		
2	128.00	511	-42.09	-19.48	-71.88	-62.35	-34.18	-37.54	-26.97	-36.71	-39.14	-44.07	-62.76	-46.45	-69.41	-58.91	-35.81	-45.81	15.20
3	64.00	585	-61.58	-21.40	-56.10	-46.16	-43.14	-51.36	-44.81	-47.83	-43.86	-47.62	-47.54	-45.62	-70.12	-46.06	-40.50	-47.59	10.25
4	42.67	369	-45.60	-38.85	-48.18	-48.30	-46.44	-56.68	-55.82	-50.64	-48.63	-46.77	-46.32	-44.65	-39.39	-46.75	-46.57	-47.30	4.63
5	32.00	209	-45.02	-53.69	-44.61	-54.31	-48.14	-52.48	-59.73	-57.57	-54.44	-20.51	-30.19	-45.40	-35.52	-51.78	-47.89	-50.12	5.82
6	25.60	191	-26.78	-33.61	-28.23	-34.02	-28.57	-26.46	-34.71	-31.24	-24.14	-14.33	-13.45	-22.92	-24.31	-29.90	-27.80	-28.36	3.94
7	21.33	328	-12.25	-10.54	-8.73	-10.46	-15.60	-12.05	-13.84	-14.51	-9.74	-13.45	-6.14	5.24	-9.40	-13.18	-14.32	-10.92	4.98
8	18.29	866	-8.62	-9.29	-4.43	-7.65	-11.70	-8.23	-9.09	-9.52	-9.74	-8.61	-4.50	4.77	-11.97	-7.75	-8.98	-7.69	3.88
9	16.00	1994	-7.86	-6.75	-5.16	-6.32	-11.03	-9.83	-2.76	-9.49	-11.17	-12.11	-4.86	-0.9	-20.30	-5.93	-7.18	-8.05	4.55
10	14.22	3087	-10.26	-6.18	-8.03	-8.27	-11.30	-12.44	-1.22	-10.77	-12.71	-15.64	-7.19	-2.21	-25.89	-7.25	-7.75	-9.80	5.65
11	12.80	2682	-15.28	-10.08	-12.45	-14.01	-14.71	-15.50	-8.48	-14.19	-14.65	-15.70	-11.76	-5.06	-22.81	-13.04	-12.80	-13.37	3.78
12	11.64	2843	-20.98	-15.30	-19.08	-19.72	-19.78	-22.03	-20.22	-19.58	-18.54	-17.81	-18.08	-13.78	-23.66	-19.48	-18.51	-19.10	2.33
13	10.67	5534	-23.98	-19.65	-24.88	-24.48	-22.96	-26.86	-27.11	-23.05	-21.84	-21.57	-23.91	-21.40	-27.67	-23.61	-22.27	-23.29	1.89
14	9.85	9293	-24.36	-19.06	-24.00	-23.47	-23.19	-26.69	-25.37	-23.24	-21.92	-22.45	-22.59	-21.24	-26.08	-23.48	-21.97	-23.29	1.89
15	9.14	8545	-25.50	-18.47	-23.73	-23.01	-24.06	-25.41	-24.50	-22.30	-21.13	-21.15	-22.32	-21.19	-26.85	-22.76	-21.37	-22.76	2.01
16	8.53	6729	-23.69	-19.54	-22.95	-22.32	-22.28	-27.18	-24.45	-22.30	-20.30	-19.77	-22.33	-20.79	-25.25	-23.15	-21.16	-22.51	2.56
17	8.00	5317	-22.27	-21.05	-22.39	-22.31	-21.58	-30.81	-22.95	-21.57	-20.30	-22.17	-23.62	-22.87	-26.80	-25.67	-23.29	-24.60	2.87
18	7.53	3293	-24.35	-22.57	-23.68	-23.53	-24.57	-34.40	-24.13	-24.71	-22.72	-22.70	-26.54	-26.93	-33.49	-29.97	-27.02	-28.70	3.18
19	7.11	2155	-29.79	-23.04	-27.53	-25.94	-30.56	-36.58	-27.64	-30.75	-27.06	-28.69	-28.65	-27.97	-34.16	-33.24	-28.81	-30.57	3.26
20	6.74	1841	-31.92	-25.46	-29.07	-28.19	-33.19	-38.47	-28.16	-33.58	-28.69	-28.46	-28.46	-27.08	-32.22	-33.77	-29.00	-30.33	3.90
21	6.40	1438	-31.08	-25.36	-28.19	-27.74	-33.69	-40.85	-26.50	-34.26	-28.82	-28.46	-27.99	-27.99	-32.22	-33.77	-29.00	-30.33	3.90
22	6.10	1331	-32.39	-27.60	-30.37	-29.75	-35.45	-44.89	-29.14	-36.28	-31.85	-32.06	-30.26	-30.05	-35.35	-35.28	-31.86	-32.83	4.08
23	5.82	1441	-35.96	-31.38	-31.93	-32.18	-38.78	-46.86	-32.41	-39.72	-33.69	-34.90	-32.80	-31.55	-37.86	-38.40	-33.60	-35.47	4.10
24	5.57	1172	-35.95	-26.19	-30.01	-28.83	-40.05	-48.72	-31.32	-40.78	-33.31	-33.00	-32.44	-29.71	-34.80	-37.42	-31.34	-33.93	5.65
25	5.33	1136	-31.62	-24.32	-31.88	-29.69	-41.39	-50.24	-32.45	-42.05	-33.02	-34.24	-30.44	-31.65	-32.12	-37.64	-33.02	-34.37	6.01
26	5.12	1310	-34.79	-29.51	-37.64	-35.81	-43.08	-49.09	-36.86	-43.64	-40.84	-41.88	-36.12	-37.34	-37.23	-39.92	-41.34	-39.01	4.45
27	4.92	1658	-42.89	-34.17	-40.41	-39.47	-44.88	-49.08	-38.61	-45.41	-44.25	-45.41	-39.87	-40.43	-43.28	-42.86	-44.82	-44.39	3.51
28	4.74	1660	-46.48	-39.22	-42.36	-42.71	-45.78	-48.42	-41.24	-46.51	-45.03	-45.93	-43.06	-42.04	-46.41	-45.28	-44.84	-44.35	2.39
29	4.57	1440	-47.76	-39.59	-45.32	-44.80	-45.97	-48.94	-45.29	-46.58	-45.68	-46.95	-45.23	-44.18	-49.22	-46.25	-45.35	-45.81	2.17
30	4.41	1137	-49.55	-41.45	-47.91	-48.52	-48.59	-52.17	-47.91	-48.58	-49.18	-50.26	-48.71	-47.33	-50.60	-49.52	-49.38	-48.65	2.25
31	4.27	1065	-49.86	-42.57	-47.58	-51.40	-50.09	-54.67	-45.93	-50.58	-51.28	-51.53	-51.31	-48.92	-48.59	-51.98	-49.85	-49.85	2.78

Table B.28 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 13:00 HOURS Hmo=.32 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² s ⁻²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C1B	C2B	C80	D04	D0C	02D	41D	C24		
2	128.00	654	-29.61	-42.82	-40.11	-53.57	-40.98	-35.74	-48.20	-40.21	-37.18	-28.17	-47.98	-26.43	10.51	-53.58	-35.79	-36.97	14.98
3	64.00	704	-53.30	-29.68	-50.85	-48.72	-43.70	-38.62	-32.74	-43.62	-37.01	-38.64	-47.98	-35.89	-41.91	-51.09	-35.86	-41.97	7.00
4	42.67	394	-82.20	-35.95	-62.23	-57.43	-51.01	-45.46	-48.90	-53.15	-46.57	-52.88	-59.00	-49.77	-84.90	-58.71	-42.35	-55.25	12.89
5	32.00	217	-126.00	-82.85	-101.24	-107.87	-100.05	-62.13	-99.78	-101.23	-104.32	-100.91	-104.75	-98.64	-114.60	-107.94	-69.01	-98.94	15.76
6	25.60	206	-120.26	-64.77	-91.65	-94.02	-84.05	-55.67	-47.56	-88.90	-88.96	-88.91	-91.60	-86.29	-105.95	-94.76	-54.26	-83.98	19.31
7	21.33	374	-23.40	-7.64	-22.82	-16.48	-14.62	-8.57	-13.62	-12.45	-10.21	-12.84	-17.78	-9.00	-11.45	-16.88	-14.18	-17.21	8.27
8	18.29	805	-12.14	-3.10	-9.48	-9.54	-9.83	-11.27	-9.25	-9.55	-10.21	-12.84	-7.55	4.29	-15.95	-9.31	-6.92	-8.85	4.46
9	16.00	2034	-9.31	-4.40	-7.88	-8.84	-9.03	-10.79	-7.83	-8.67	-9.30	-11.20	-6.86	1.01	-13.54	-7.87	-6.96	-8.10	3.17
10	14.22	2802	-9.36	-6.58	-8.73	-9.44	-10.16	-12.79	-10.03	-8.70	-8.59	-8.69	-6.03	2.92	-15.95	-8.12	-8.24	-9.09	2.72
11	12.80	2029	-14.08	-10.22	-11.56	-12.54	-14.27	-18.08	-13.43	-12.04	-12.33	-11.73	-10.92	-6.80	-19.84	-11.93	-11.48	-12.81	2.98
12	11.64	2943	-21.39	-15.81	-18.11	-18.48	-19.03	-23.09	-20.47	-18.85	-17.30	-17.12	-17.44	-14.55	-20.73	-18.93	-17.46	-18.62	2.19
13	10.67	6321	-25.18	-20.30	-23.67	-23.54	-23.09	-28.08	-25.11	-23.17	-21.29	-20.88	-23.11	-21.09	-24.67	-23.99	-21.95	-23.29	1.94
14	9.85	9993	-28.44	-23.58	-27.93	-27.28	-26.38	-28.41	-28.17	-26.73	-24.69	-24.55	-27.21	-25.29	-30.23	-27.64	-25.33	-26.79	1.75
15	9.14	10661	-28.88	-24.05	-29.33	-28.40	-27.45	-27.75	-28.55	-25.98	-25.80	-25.79	-28.42	-26.36	-31.40	-29.14	-26.35	-27.70	1.75
16	8.53	8478	-26.79	-22.23	-26.99	-26.36	-25.70	-31.30	-24.99	-25.98	-23.52	-23.16	-26.23	-23.82	-28.13	-27.51	-24.41	-25.81	2.21
17	8.00	5780	-26.56	-18.27	-23.82	-22.56	-24.51	-31.03	-21.64	-24.64	-21.13	-21.06	-22.58	-21.27	-26.09	-25.15	-21.86	-23.48	2.94
18	7.53	4987	-24.41	-16.35	-21.33	-19.86	-22.76	-29.20	-19.67	-22.80	-18.89	-18.84	-20.14	-19.40	-24.67	-23.21	-19.69	-21.41	3.05
19	7.11	3943	-17.98	-13.38	-18.02	-16.49	-18.78	-9999.99	-17.10	-18.62	-15.42	-15.76	-16.97	-16.52	-21.72	-19.89	-16.49	-21.37	1.97
20	6.74	3428	-9.25	-7.98	-11.54	-10.01	-8.09	-9999.99	-12.18	-7.39	-7.58	-6.98	-10.59	-10.84	-14.86	-9999.99	-8.85	-9.70	2.19
21	6.40	3821	-4.59	-2.62	-4.71	-3.36	-14.27	-9999.99	-5.74	-16.21	2.42	4.51	-3.79	-4.13	-7.63	-9999.99	-1.18	-0.03	7.21
22	6.10	3986	.82	2.63	.39	1.58	24.06	-9999.99	-4.2	27.01	12.03	15.49	1.33	.99	-3.61	-9999.99	6.72	6.80	9.42
23	5.82	4565	9.27	12.15	11.00	11.63	26.65	-9999.99	10.20	29.41	23.58	26.44	11.95	11.70	8.54	-9999.99	16.85	16.09	7.28
24	5.57	5858	17.52	18.56	19.84	19.14	27.82	-9999.99	19.44	29.14	27.19	28.96	20.08	20.01	19.18	-9999.99	22.82	22.28	4.17
25	5.33	6535	22.07	21.45	22.34	22.05	30.03	-9999.99	22.26	31.05	28.55	29.94	22.76	22.63	22.48	-9999.99	24.96	24.81	3.51
26	5.12	6435	23.78	21.36	22.55	22.43	30.31	-9999.99	22.28	33.00	33.05	34.41	23.26	23.41	22.57	-9999.99	25.23	25.97	4.64
27	4.92	5913	25.76	20.07	22.47	20.67	29.54	-9999.99	21.98	32.90	35.19	36.16	22.80	23.58	21.30	-9999.99	26.29	26.05	5.39
28	4.74	5142	27.57	22.28	24.96	22.95	30.25	-9999.99	24.65	33.27	37.03	36.42	25.16	25.92	23.79	-9999.99	27.80	27.89	4.81
29	4.57	4032	24.77	22.54	26.97	24.04	29.90	-9999.99	26.85	33.27	37.03	36.42	27.19	28.07	26.30	-9999.99	27.76	28.64	4.50
30	4.41	3362	23.46	21.55	24.12	21.77	28.85	-9999.99	24.18	31.75	35.92	35.93	24.84	25.74	23.01	-9999.99	26.98	26.77	4.74
31	4.27	3574	28.17	25.45	22.49	22.51	28.94	-9999.99	22.17	31.95	34.53	33.82	23.63	24.31	20.34	-9999.99	27.80	26.62	4.48

Table B.29 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 16:00 HOURS Hmo=.32 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CBI	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	813	-59.06	-35.63	-40.34	-39.82	-32.97	-23.89	-30.71	-33.13	-22.76	-27.72	-41.17	-26.96	-37.59	-43.74	-25.80	-36.03	10.77
3	64.00	913	-40.17	-34.14	-35.97	-36.07	-31.71	-31.22	-37.49	-32.08	-28.93	-30.32	-36.36	-31.23	-40.34	-36.39	-29.45	-34.12	3.60
4	42.67	556	-31.25	-40.75	-40.93	-44.73	-35.27	-28.25	-39.13	-34.60	-36.63	-35.14	-42.75	-35.01	-21.48	-42.72	-36.24	-36.34	5.89
5	32.00	306	-60.06	-34.24	-61.65	-55.23	-48.58	-42.25	-61.97	-52.65	-51.96	-51.89	-55.90	-51.00	-65.98	-54.57	-47.31	-53.03	7.81
6	25.60	242	-62.57	-27.95	-57.11	-53.23	-45.99	-30.35	-57.69	-57.62	-45.67	-43.27	-52.99	-42.93	-65.66	-52.47	-38.85	-48.99	10.67
7	21.33	384	-22.19	-17.69	-38.08	-40.06	-22.08	-20.91	-35.00	-22.12	-22.67	-23.05	-35.20	-15.50	-32.19	-30.11	-24.16	-26.73	7.44
8	18.29	834	-16.09	-11.56	-21.20	-23.17	-14.47	-16.63	-16.73	-14.57	-17.90	-20.95	-19.34	-5.43	-21.82	-16.69	-14.58	-16.75	4.34
9	16.00	1668	-16.68	-11.33	-14.99	-17.15	-14.40	-16.19	-14.64	-14.08	-15.34	-17.65	-14.36	-2.92	-22.26	-14.11	-12.01	-14.54	3.97
10	14.22	2599	-14.02	-9.47	-10.66	-13.36	-12.32	-15.15	-8.76	-12.30	-13.45	-15.89	-10.42	-2.23	-17.50	-11.95	-10.36	-11.73	3.87
11	12.80	2711	-13.41	-11.77	-11.15	-13.92	-13.12	-18.77	-12.24	-12.66	-13.52	-14.79	-11.31	-4.33	-18.55	-12.20	-11.60	-13.89	3.21
12	11.64	3978	-20.96	-17.00	-17.64	-17.83	-19.60	-24.29	-21.17	-19.45	-18.96	-19.24	-17.05	-15.07	-24.64	-18.47	-18.32	-19.31	2.51
13	10.67	7568	-25.09	-20.58	-21.90	-20.99	-23.23	-28.46	-24.09	-23.32	-22.12	-22.29	-21.09	-20.85	-28.02	-22.35	-22.16	-23.10	2.54
14	9.85	12033	-26.31	-22.54	-25.09	-24.25	-24.91	-30.38	-24.02	-25.07	-23.59	-23.65	-24.39	-23.69	-28.34	-25.29	-23.94	-25.03	1.94
15	9.14	12286	-26.54	-22.85	-25.85	-25.25	-25.68	-31.78	-24.97	-25.82	-24.36	-24.40	-25.25	-24.34	-27.60	-26.21	-24.62	-25.70	1.95
16	8.53	8705	-25.42	-22.04	-24.55	-23.75	-25.53	-31.75	-24.95	-25.70	-23.68	-23.89	-23.92	-23.37	-28.05	-26.03	-23.90	-25.10	2.24
17	8.00	5925	-22.33	-16.93	-21.10	-19.78	-23.96	-26.89	-20.57	-24.05	-19.94	-20.57	-19.99	-19.62	-24.96	-25.05	-20.11	-21.72	2.61
18	7.53	4698	-13.13	-7.80	-11.12	-10.50	-13.96	-9999.99	-11.37	-13.70	-9.95	-8.92	-10.10	-10.28	-13.53	-15.55	-10.16	-11.43	2.12
19	7.11	4678	-7.50	-4.36	-7.30	-7.13	-3.88	-9999.99	-7.30	-2.94	-3.36	-6.2	-6.50	-6.53	-8.51	-9999.99	-4.78	-5.44	2.21
20	6.74	3823	-5.77	-1.64	-4.41	-3.73	-1.10	-9999.99	-4.36	-1.17	-3.9	2.38	-3.39	-3.53	-5.88	-9999.99	-2.39	-2.62	2.33
21	6.40	3413	-5.56	-1.79	-3.92	-3.14	1.75	-9999.99	-3.96	2.90	-1.35	1.35	-3.04	-3.86	-5.93	-9999.99	-2.50	-2.23	2.64
22	6.10	3752	-1.50	1.07	-1.96	-3.6	15.35	-9999.99	-2.06	17.36	5.23	8.02	-8.5	-2.08	-5.93	-9999.99	2.87	2.69	6.76
23	5.82	4796	4.18	8.69	6.39	7.73	18.62	-9999.99	6.04	20.86	16.69	19.61	7.53	6.60	4.14	-9999.99	12.17	10.70	5.88
24	5.57	5093	7.25	9.90	10.51	10.88	21.02	-9999.99	10.05	23.20	21.53	24.76	11.27	11.10	7.56	-9999.99	15.82	14.21	5.99
25	5.33	5160	13.48	11.57	14.61	14.07	23.31	-9999.99	13.48	26.37	26.97	28.92	14.92	15.48	12.02	-9999.99	18.94	18.00	5.94
26	5.12	5771	15.96	14.89	17.79	16.73	24.22	-9999.99	17.10	27.81	30.36	31.57	17.77	18.36	16.53	-9999.99	22.06	20.85	5.55
27	4.92	4893	14.56	18.97	18.50	15.28	25.11	-9999.99	18.99	26.42	29.31	30.11	18.66	19.47	18.29	-9999.99	24.13	21.37	4.88
28	4.74	4089	17.01	23.97	15.48	12.58	26.84	-9999.99	16.69	26.80	28.85	28.80	16.94	17.02	15.50	-9999.99	26.42	20.99	5.73
29	4.57	3675	23.80	27.00	11.21	12.60	28.07	-9999.99	11.81	30.75	33.49	32.49	16.42	16.57	8.59	-9999.99	28.98	21.52	8.73
30	4.41	2966	30.54	29.22	13.31	18.73	28.15	-9999.99	9.55	36.46	38.20	37.36	16.57	18.06	8.59	-9999.99	29.22	24.16	10.11
31	4.27	2190	38.39	30.23	9999.99	14.53	30.83	-9999.99	9999.99	38.15	38.21	36.59	9999.99	9999.99	9999.99	9999.99	30.21	32.17	7.51

Table B.30 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 19:00 HOURS Hmo=.28 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CB1	CB2	CB3	D04	DOC	02D	41D	C24		
2	128.00	709	-30.80	-20.50	-55.75	-30.53	-33.15	-53.78	-54.90	-38.24	-37.82	-32.73	-30.76	-33.45	-42.96	-29.80	-36.59	-36.09	-8.64
3	64.00	888	-56.71	-51.20	-45.37	-48.69	-45.84	-48.25	-49.90	-49.60	-44.83	-43.98	-48.94	-41.77	-54.76	-50.36	-41.28	-48.10	4.21
4	42.67	547	-60.73	-71.32	-54.24	-67.24	-57.42	-49.96	-58.13	-64.80	-62.46	-60.39	-66.63	-54.09	-56.06	-66.94	-50.67	-60.07	6.24
5	32.00	247	-94.81	-62.86	-72.99	-80.06	-63.38	-56.94	-58.89	-68.58	-59.67	-65.59	-80.05	-61.90	-63.03	-80.31	-45.63	-69.71	13.47
6	25.60	231	-109.47	-61.11	-87.03	-92.45	-83.77	-63.26	-70.48	-123.25	-151.84	-145.99	-90.56	-83.03	-108.62	-90.71	-46.13	-94.37	27.07
7	21.33	368	-31.32	-11.64	-17.41	-19.78	-25.34	-17.99	-21.35	-27.19	-21.35	-19.00	-16.09	-4.89	-36.00	-21.25	-23.05	-20.68	7.30
8	18.29	821	-11.11	-6.96	-6.87	-9.83	-12.68	-13.55	-15.22	-9.08	-7.63	-6.06	-6.20	4.68	-20.28	-8.28	-9.19	-9.22	5.29
9	16.00	1831	-11.14	-9.45	-8.45	-12.17	-11.19	-15.02	-15.36	-9.05	-8.90	-8.87	-8.16	4.38	-13.67	-10.05	-8.97	-9.75	4.41
10	14.22	2587	-9.74	-8.40	-8.49	-12.16	-9.78	-14.32	-15.31	-7.34	-6.44	-4.36	-8.50	1.85	-10.61	-9.87	-7.99	-8.77	3.93
11	12.80	2611	-10.61	-10.60	-11.33	-13.82	-12.12	-19.31	-18.92	-9.30	-8.43	-5.33	-11.33	5.17	-18.94	-10.84	-10.33	-11.75	4.26
12	11.64	3755	-17.80	-14.27	-17.37	-18.19	-20.07	-23.05	-23.47	-16.46	-15.23	-13.87	-16.86	-13.58	-22.17	-16.66	-15.97	-17.47	3.03
13	10.67	7114	-21.69	-16.16	-20.52	-20.03	-22.11	-25.69	-24.40	-19.91	-18.27	-20.14	-20.48	-17.65	-24.25	-20.12	-19.12	-20.20	2.33
14	9.85	11762	-24.57	-17.69	-22.13	-21.16	-22.11	-29.53	-20.91	-22.80	-20.95	-21.05	-21.90	-20.56	-25.68	-22.35	-20.61	-21.78	2.12
15	9.14	11123	-24.91	-18.49	-22.70	-22.08	-22.76	-32.79	-21.90	-23.04	-20.95	-20.88	-21.47	-20.54	-25.20	-23.08	-21.21	-22.54	2.48
16	8.53	6583	-23.94	-18.13	-22.24	-21.71	-22.99	-30.33	-17.35	-18.48	-15.98	-16.16	-14.15	-15.03	-24.65	-23.33	-21.17	-22.65	3.11
17	8.00	4717	-17.07	-13.31	-15.00	-13.87	-18.63	-30.33	-17.35	-18.48	-15.98	-16.16	-14.15	-15.03	-24.65	-23.33	-21.17	-22.65	3.11
18	7.53	3961	-5.59	-6.81	-8.73	-8.11	-6.82	-15.17	-10.31	-5.65	-5.87	-4.30	-8.11	-8.57	-12.47	-7.97	-7.51	-8.13	2.71
19	7.11	4462	-1.56	-1.08	-3.43	-2.91	-3.94	-1.94	-4.24	5.85	3.11	5.05	-2.80	-2.68	-4.42	2.95	-2.23	-0.3	3.41
20	6.74	4919	.39	1.57	.08	1.04	8.78	6.16	-9.3	10.86	7.05	8.49	7.2	.57	-1.50	8.87	3.38	3.70	4.06
21	6.40	4752	2.17	4.40	2.97	3.98	14.72	9999.99	2.55	17.15	12.05	13.93	3.62	3.56	-1.11	16.58	7.25	7.48	5.82
22	6.10	4407	3.06	7.45	3.92	5.13	16.80	9999.99	3.90	18.94	13.99	16.01	4.93	4.57	-.02	19.11	10.79	9.11	6.32
23	5.82	3466	3.39	6.96	3.30	4.75	21.69	9999.99	3.09	24.37	15.56	18.01	4.51	3.69	.61	24.29	10.79	10.34	8.33
24	5.57	2782	7.15	5.60	4.95	5.10	27.55	9999.99	5.07	30.50	20.21	24.86	5.92	5.38	5.35	27.33	12.69	13.37	9.85
25	5.33	2644	14.64	8.81	10.34	9.21	27.37	9999.99	10.39	29.33	20.28	24.45	10.88	11.14	11.37	26.46	14.15	16.33	7.28
26	5.12	3271	16.20	13.35	11.33	11.41	24.72	9999.99	9.41	26.57	22.96	24.56	12.12	12.17	9.52	23.73	17.95	16.92	6.06
27	4.92	2812	17.67	17.84	10.91	11.88	25.47	9999.99	9.41	27.57	27.00	27.51	12.45	12.36	8.78	24.51	21.96	18.24	7.00
28	4.74	2347	18.80	20.04	9.89	11.59	24.41	9999.99	8.29	27.06	27.82	28.17	12.27	12.24	8.05	23.51	23.60	18.27	7.34
29	4.57	1823	18.20	18.51	-2.68	2.64	23.67	9999.99	-1.52	26.47	28.75	28.42	2.24	2.46	-5.95	9999.99	23.86	12.71	12.73
30	4.41	1347	23.13	18.06	-5.99	1.90	26.76	9999.99	-3.74	33.26	35.41	36.73	.00	1.96	-9.12	9999.99	24.75	13.94	16.11
31	4.27	.979	25.48	23.79	-10.34	3.07	9999.99	9999.99	-7.28	9999.99	37.84	36.80	-1.80	-.20	-13.03	9999.99	27.12	10.99	18.43

Table B.31 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 04/02/94 22:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	.811	-13.38	-1.04	-37.55	-33.53	-25.91	-36.65	-45.44	-26.13	-32.11	-23.97	-28.57	-24.45	.31	-29.10	-32.11	-26.06	12.26
3	64.00	1.078	-33.89	-21.79	-40.15	-37.25	-30.99	-38.61	-47.49	-31.45	-30.60	-29.95	-36.84	-30.09	-33.00	-36.92	-30.88	-33.99	5.70
4	42.67	6.12	-58.35	-41.15	-49.36	-50.52	-46.05	-44.02	-58.67	-50.13	-43.14	-42.73	-50.77	-41.33	-54.29	-52.00	-39.59	-48.12	5.94
5	32.00	2.79	-71.32	-50.97	-58.63	-63.10	-56.29	-40.72	-63.23	-62.05	-55.77	-56.32	-62.70	-47.90	-67.63	-64.13	-47.13	-57.87	8.08
6	25.60	2.06	-60.06	-31.10	-37.38	-38.63	-32.11	-26.59	-53.01	-32.05	-22.64	-30.13	-38.49	-21.80	-61.68	-40.19	-24.29	-36.60	12.24
7	21.33	2.81	-36.18	-12.04	-12.43	-11.81	-12.29	-12.98	-18.21	-12.80	-8.63	-17.31	-12.83	1.50	-51.40	-10.37	-7.15	-15.71	12.11
8	18.29	6.31	-14.22	-8.47	-3.89	-7.42	-11.83	-13.78	-7.63	-12.11	-12.37	-16.46	-3.81	9.60	-17.74	-10.37	-8.81	-9.31	6.41
9	16.00	1.357	-9.81	-5.59	-4.33	-6.99	-12.17	-14.50	-1.49	-12.23	-14.20	-18.40	-3.20	8.66	-20.80	-8.07	-8.42	-8.78	7.05
10	14.22	2.162	-8.92	-7.50	-6.29	-9.66	-12.17	-18.09	-2.40	-13.01	-13.86	-16.84	-6.05	3.65	-21.86	-8.55	-9.41	-10.01	6.11
11	12.80	2.519	-14.38	-11.72	-11.57	-14.76	-13.90	-21.04	-8.40	-13.58	-13.42	-13.75	-11.70	-3.20	-16.34	-14.32	-12.50	-12.97	3.71
12	11.64	3.756	-21.48	-16.15	-18.63	-19.90	-19.58	-26.10	-14.92	-19.47	-18.43	-18.77	-18.23	-12.34	-22.71	-19.88	-18.19	-18.98	3.09
13	10.67	6.405	-22.10	-18.09	-20.42	-21.05	-20.35	-25.75	-17.57	-20.25	-19.06	-18.99	-20.06	-15.97	-24.20	-20.92	-19.41	-20.28	2.57
14	9.85	11.590	-25.72	-20.84	-22.03	-21.37	-23.74	-30.28	-23.23	-23.82	-22.83	-23.29	-21.40	-20.60	-28.66	-22.72	-22.69	-23.55	2.66
15	9.14	11.462	-28.56	-22.46	-24.04	-22.42	-26.43	-31.33	-27.21	-26.50	-25.57	-26.75	-23.01	-23.76	-33.05	-25.19	-25.19	-26.06	2.98
16	8.53	7.062	-28.50	-21.84	-26.10	-25.00	-27.72	-29.83	-25.45	-27.87	-25.65	-25.89	-24.89	-24.05	-29.42	-27.43	-25.62	-26.35	2.05
17	8.00	4.856	-23.94	-20.78	-24.02	-23.19	-25.37	-30.25	-25.62	-25.50	-23.14	-23.36	-23.29	-23.31	-27.53	-25.64	-23.24	-24.55	2.16
18	7.53	3.773	-15.54	-13.18	-15.50	-13.93	-16.83	-23.64	-19.07	-16.53	-14.03	-13.85	-14.64	-16.07	-21.90	-17.16	-14.31	-16.41	2.92
19	7.11	3.865	-10.96	-6.01	-9.12	-7.92	-9.57	-9.99	-9.61	-8.83	-5.52	-4.25	-8.12	-8.53	-11.87	-10.88	-6.97	-8.44	2.10
20	6.74	3.652	-5.23	-1.24	-3.74	-3.23	-1.14	-1.14	-1.14	-1.16	-2.26	2.43	-2.78	-3.56	-4.64	-2.88	-1.52	-2.29	2.01
21	6.40	3.392	1.09	.52	-.99	-.55	1.14	1.47	-1.35	13.38	6.40	9.35	-2.6	-5.0	-4.79	9.99	3.07	2.83	5.35
22	6.10	3.071	5.43	2.90	1.14	1.76	16.04	16.04	-0.7	19.03	12.46	14.36	1.01	1.19	-4.47	9.99	6.71	5.88	7.01
23	5.82	2.328	9.29	4.81	5.39	5.71	22.73	9.99	5.27	25.62	16.46	19.66	5.80	5.75	2.44	9.99	10.63	10.72	7.43
24	5.57	2.115	6.25	5.12	6.09	5.90	25.62	9.99	6.42	29.02	19.30	23.60	6.73	6.60	2.83	9.99	11.87	11.95	8.69
25	5.33	2.252	3.14	9.43	6.31	7.07	23.07	9.99	6.65	25.78	20.33	23.53	7.63	7.29	2.83	9.99	13.91	12.06	7.91
26	5.12	1.677	2.99	8.84	2.16	2.0	26.39	9.99	-1.0	28.44	20.34	24.60	.64	-.54	-5.66	9.99	14.41	8.99	11.76
27	4.92	1.343	4.94	4.00	-9.47	-4.93	29.82	9.99	-7.91	31.80	21.34	27.16	34.48	-6.96	-11.01	9.99	13.55	6.59	15.48
28	4.74	1.115	9.45	2.60	-19	-1.20	31.01	9.99	-50	34.67	32.91	34.48	1.84	1.93	-1.01	9.99	18.83	12.78	14.53
29	4.57	.883	11.61	5.35	9.99	9.99	31.20	9.99	9.99	37.47	41.54	40.99	9.99	9.99	9.99	9.99	22.93	27.36	13.40
30	4.41	.609	2.39	4.33	9.99	9.99	31.16	9.99	9.99	38.68	44.66	43.09	9.99	9.99	9.99	9.99	23.99	27.01	16.27
31	4.27	.369	-.66	-.02	9.99	9.99	32.19	9.99	9.99	37.74	43.26	39.95	9.99	9.99	9.99	9.99	23.92	25.36	17.14

Table B.32 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 01:00 HOURS Hmo=.23 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CBI	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	.679	-30.59	-66.67	-19.43	-35.50	-37.94	-39.88	-15.05	-45.30	-41.69	-22.47	-33.58	-29.82	-12.55	-38.17	-37.83	-33.74	12.93
3	64.00	.929	-43.20	-50.16	-34.48	-36.51	-41.99	-45.50	-41.43	-51.33	-47.65	-40.21	-36.45	-37.72	-43.98	-38.40	-42.69	-42.11	4.87
4	42.67	.515	-75.81	-40.47	-68.35	-59.46	-62.60	-68.95	-59.74	-76.76	-74.50	-74.33	-59.84	-61.34	-77.15	-60.13	-62.20	-65.48	9.46
5	32.00	.225	-69.81	-41.96	-54.56	-55.71	-47.36	-47.10	-35.27	-49.14	-40.68	-45.26	-55.81	-43.85	-68.93	-56.13	-38.46	-49.97	9.85
6	25.60	.182	-29.80	-30.10	-21.55	-28.61	-17.18	-22.64	-18.97	-17.47	-12.73	-16.21	-25.99	-11.32	-23.60	-27.60	-14.41	-21.21	6.08
7	21.33	.262	-17.72	-10.11	-15.00	-15.30	-15.50	-17.05	-18.50	-13.70	-10.84	-9.41	-13.21	-3.36	-24.98	-15.74	-13.24	-14.24	4.70
8	18.29	.536	-16.48	-4.34	-15.47	-14.39	-13.04	-12.87	-26.17	-9.60	-7.28	-5.33	-12.84	-4.59	-28.01	-11.79	-9.56	-12.77	6.73
9	16.00	1.228	-15.40	-8.67	-15.43	-15.41	-13.58	-16.79	-19.81	-12.04	-8.48	-9.44	-14.00	-9.25	-21.47	-12.89	-10.26	-13.32	4.96
10	14.22	2.169	-14.30	-11.51	-14.47	-14.72	-13.58	-16.79	-19.81	-12.04	-8.48	-9.44	-14.00	-9.25	-21.47	-12.89	-10.26	-13.32	3.33
11	12.80	2.315	-15.38	-15.38	-14.78	-15.50	-16.27	-21.48	-18.35	-15.38	-15.31	-15.11	-14.69	-11.05	-26.26	-14.99	-15.34	-16.37	3.37
12	11.64	3.308	-20.50	-19.38	-20.17	-20.79	-20.66	-23.16	-23.81	-20.52	-19.86	-19.48	-19.97	-16.90	-26.50	-20.57	-19.97	-20.82	2.14
13	10.67	6.830	-22.91	-20.05	-22.84	-22.43	-22.20	-25.57	-23.92	-22.22	-21.18	-21.46	-22.19	-19.93	-27.06	-22.89	-21.67	-22.55	1.82
14	9.85	10.439	-27.03	-23.64	-26.23	-25.47	-25.56	-29.70	-25.62	-25.69	-24.71	-25.47	-25.59	-23.96	-31.28	-26.08	-24.95	-26.06	1.94
15	9.14	8.760	-28.20	-24.95	-27.97	-27.31	-26.90	-30.41	-29.16	-27.21	-25.75	-26.00	-27.47	-26.00	-31.91	-27.65	-26.13	-27.53	1.79
16	8.53	6.219	-26.26	-21.95	-25.30	-24.47	-24.82	-29.29	-25.94	-25.03	-22.78	-22.71	-24.73	-23.46	-28.61	-25.59	-23.51	-24.96	1.98
17	8.00	4.566	-27.32	-19.72	-25.37	-23.92	-25.62	-28.42	-23.55	-25.78	-22.63	-22.93	-24.21	-23.00	-28.04	-26.37	-23.19	-24.67	2.26
18	7.53	3.140	-25.36	-16.69	-22.41	-20.91	-24.38	-28.49	-20.31	-24.50	-20.05	-20.25	-21.13	-19.81	-25.57	-25.35	-20.83	-22.40	2.98
19	7.11	2.459	-17.63	-11.59	-17.67	-15.60	-19.70	-23.22	-18.23	-19.58	-14.30	-14.48	-16.19	-15.87	-23.97	-21.53	-15.46	-17.67	3.33
20	6.74	2.229	-7.70	-6.37	-12.04	-10.33	-8.22	-9.99	-12.94	-7.33	-5.20	-4.12	-10.79	-10.84	-16.95	-16.18	-7.24	-9.73	3.72
21	6.40	2.173	-2.48	-6.63	-5.08	-3.65	-2.58	-9.99	-6.03	-4.09	-2.47	-4.23	-4.03	-4.45	-7.69	-9.99	-7.04	-1.59	3.84
22	6.10	2.035	-1.73	-3.40	-1.49	-.73	9.82	-9.99	-2.96	-1.70	6.06	8.22	-.01	-1.72	-5.00	-9.99	-4.03	2.39	5.07
23	5.82	1.890	-4.69	2.09	-3.30	-.77	9.99	-9.99	-4.12	9.99	4.84	8.21	-1.17	-2.72	-6.93	-9.99	2.66	-5.4	4.33
24	5.57	1.632	-1.86	5.34	-1.93	1.52	9.99	-9.99	-2.98	9.99	12.02	15.75	1.04	-1.32	-3.88	-9.99	8.87	2.95	6.32
25	5.33	1.262	-5.29	1.72	-5.83	-1.19	9.99	-9.99	-7.23	9.99	7.57	12.40	-2.24	-5.15	-7.97	-9.99	4.48	-.81	6.31
26	5.12	1.061	-14.36	-4.66	-12.21	-7.05	9.99	-9.99	-12.66	9.99	9.99	9.99	-8.09	-11.29	-16.86	-9.99	9.99	-10.90	3.78
27	4.92	.881	-17.27	-6.54	-13.44	-8.12	9.99	-9.99	-14.01	9.99	9.99	9.99	-9.47	-11.24	-22.20	-9.99	9.99	-12.78	4.81
28	4.74	.594	-22.79	-6.32	-19.13	-11.51	9.99	-9.99	-17.69	9.99	9.99	9.99	-13.56	-15.78	-25.25	-9.99	9.99	-16.50	5.73
29	4.57	.477	-28.03	-10.39	-25.84	-21.60	9.99	-9.99	-24.46	9.99	9.99	9.99	-22.89	-22.05	-32.00	-9.99	9.99	-23.42	5.88
30	4.41	.393	-31.42	-14.85	-30.66	-29.66	9.99	-9.99	-30.83	9.99	9.99	9.99	-30.11	-26.65	-32.46	-9.99	9.99	-28.34	5.34
31	4.27	.268	-26.79	-12.97	-29.35	-28.22	9.99	-9.99	-31.93	9.99	9.99	9.99	-28.26	-26.31	-29.66	-9.99	9.99	-26.70	5.44

Table B.33 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 04:00 HOURS Hmo= .22 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² s ⁻²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C81	C82	C80	D04	D0C	02D	41D	C24		
2	128.00	.821	-99.49	-36.97	-58.97	-52.64	-37.48	-42.06	-48.63	-39.16	-25.04	-38.69	-56.78	-38.75	-96.08	-55.04	-28.48	-49.66	20.94
3	64.00	1.220	-80.32	-50.24	-46.58	-48.98	-41.99	-39.64	-59.49	-43.78	-34.38	-42.11	-51.88	-41.22	-83.35	-51.33	-33.54	-49.73	14.15
4	42.67	.674	-95.22	-50.35	-56.32	-54.75	-46.46	-44.01	-67.11	-50.65	-37.81	-49.30	-57.81	-48.37	-93.81	-56.42	-35.33	-55.92	16.84
5	32.00	2.267	-62.63	-44.72	-70.87	-67.82	-41.80	-48.23	-41.80	-57.07	-46.86	-47.67	-67.80	-52.65	-60.90	-66.95	-38.36	-54.92	10.26
6	25.00	2.242	-60.56	-39.97	-66.58	-61.86	-58.31	-48.23	-51.69	-57.27	-52.82	-52.08	-61.56	-52.36	-55.52	-61.42	-45.20	-54.63	6.86
7	21.33	.343	-36.65	-26.37	-43.17	-42.83	-28.11	-35.63	-40.32	-27.90	-27.87	-29.23	-40.31	-22.49	-33.41	-39.83	-28.30	-33.49	6.52
8	18.29	.702	-25.63	-19.90	-22.52	-25.40	-18.19	-21.65	-18.60	-18.42	-19.82	-24.65	-22.83	-7.66	-35.77	-21.84	-17.54	-21.36	5.72
9	16.00	1.771	-18.05	-11.85	-14.05	-14.94	-15.05	-18.87	-5.03	-15.67	-17.27	-21.15	-13.43	-5.59	-24.02	-14.54	-13.33	-14.86	4.85
10	14.22	2.672	-18.23	-13.11	-15.34	-16.17	-16.18	-19.35	-14.29	-15.99	-16.42	-18.12	-14.57	-7.97	-22.57	-15.79	-15.05	-15.94	3.99
11	12.80	2.453	-16.90	-13.78	-16.22	-17.03	-14.83	-17.56	-17.34	-14.47	-14.73	-16.02	-15.64	-9.71	-22.01	-15.41	-13.76	-15.69	2.53
12	11.64	3.228	-15.92	-13.49	-15.94	-15.73	-15.92	-18.24	-19.39	-15.52	-15.15	-15.11	-15.24	-13.20	-21.72	-15.74	-15.04	-16.09	2.11
13	10.67	5.224	-20.15	-16.17	-19.50	-19.17	-19.63	-22.27	-21.43	-19.48	-17.71	-17.25	-18.80	-17.14	-23.94	-19.79	-18.38	-19.39	1.97
14	9.85	6.893	-23.44	-19.02	-23.16	-22.94	-22.96	-27.02	-23.02	-23.02	-20.71	-20.00	-22.46	-20.55	-24.93	-23.82	-21.41	-22.45	1.97
15	9.14	6.708	-24.02	-19.99	-23.55	-22.79	-23.02	-29.81	-23.67	-23.67	-21.54	-20.58	-23.37	-21.63	-25.02	-24.67	-22.34	-22.53	1.94
16	8.53	5.410	-24.02	-20.61	-23.55	-22.56	-24.68	-30.63	-28.23	-24.86	-23.16	-23.41	-23.27	-22.95	-27.28	-23.52	-22.12	-23.53	2.30
17	8.00	3.773	-25.23	-21.72	-24.01	-22.56	-24.88	-31.99	-27.29	-25.06	-22.53	-22.93	-23.12	-23.86	-31.41	-24.01	-23.49	-24.97	2.76
18	7.53	2.701	-24.80	-20.90	-23.95	-22.29	-24.88	-31.99	-27.29	-25.06	-22.53	-22.93	-23.12	-23.86	-30.72	-24.53	-22.87	-24.78	2.96
19	7.11	1.839	-20.15	-17.13	-19.96	-18.15	-19.41	-33.18	-21.27	-19.22	-16.26	-16.88	-19.19	-18.86	-27.05	-20.86	-17.46	-20.33	4.23
20	6.74	1.313	-15.42	-10.90	-15.51	-13.59	-18.01	-32.10	-17.98	-17.69	-11.27	-10.53	-14.32	-14.63	-22.40	-20.78	-12.86	-16.52	5.35
21	6.40	1.468	-18.74	-9.38	-16.58	-14.18	-29.82	-46.36	-18.67	-30.13	-15.50	-13.58	-14.58	-16.48	-19.11	-29.67	-15.48	-20.66	9.19
22	6.10	1.591	-20.44	-8.45	-17.01	-14.17	-39.69	-50.88	-17.38	-39.97	-15.70	-13.74	-14.48	-18.78	-19.11	-29.67	-15.74	-22.36	11.99
23	5.82	1.760	-21.70	-11.22	-18.39	-16.03	-40.83	-46.24	-17.40	-41.19	-16.71	-14.74	-16.25	-17.03	-21.30	-35.07	-17.22	-23.35	10.96
24	5.57	1.602	-25.42	-13.28	-21.28	-17.85	-39.22	-44.01	-29.49	-39.74	-16.38	-14.69	-18.78	-19.11	-26.02	-34.32	-17.22	-24.45	9.69
25	5.33	1.389	-29.00	-18.23	-30.19	-25.24	-39.74	-43.22	-29.49	-40.49	-31.88	-32.01	-26.34	-28.24	-34.17	-34.44	-31.88	-31.64	6.15
26	5.12	1.442	-30.30	-25.54	-34.02	-31.33	-41.90	-41.67	-33.55	-42.69	-38.04	-38.74	-31.80	-33.47	-34.02	-37.35	-38.18	-35.51	4.68
27	4.92	1.322	-34.46	-29.27	-35.56	-33.90	-45.04	-45.04	-32.97	-41.71	-40.24	-41.56	-34.30	-34.70	-36.61	-38.50	-40.79	-37.38	4.15
28	4.74	.869	-37.42	-24.83	-36.69	-33.45	-39.31	-47.17	-35.34	-40.13	-42.13	-44.42	-34.36	-34.70	-41.04	-37.00	-43.13	-38.08	5.24
29	4.57	.653	-38.55	-23.06	-37.90	-33.37	-37.60	-45.87	-37.78	-38.71	-43.23	-44.66	-34.43	-34.85	-44.03	-36.50	-44.32	-38.33	5.65
30	4.41	.511	-41.10	-26.63	-38.83	-33.87	-37.55	-45.14	-36.68	-38.63	-41.57	-42.78	-34.95	-34.42	-45.60	-37.34	-41.71	-38.46	4.74
31	4.27	.374	-44.86	-26.54	-35.94	-31.34	-33.50	9999.99	-35.62	-35.09	-41.44	-42.56	-32.45	-28.57	-45.55	-36.13	-41.61	-36.52	5.71

Table B.34 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 07:00 HOURS Hmo=.23 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	D I R E C T I O N (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	CBI	CB2	CB0	D04	DOC	O2D	41D	C24		
2	128.00	.941	-39.28	-41.70	-33.59	-32.30	-40.16	-47.89	-41.37	-43.31	-43.14	-40.81	-33.25	-39.50	-40.50	-33.33	-43.71	-39.59	4.41
3	64.00	1.085	-45.12	-40.31	-39.67	-37.87	-39.63	-45.39	-46.96	-41.95	-40.10	-40.23	-39.19	-40.31	-50.20	-38.52	-39.27	-41.65	3.46
4	42.67	.740	-60.14	-50.13	-46.27	-48.11	-43.94	-42.15	-50.17	-46.46	-42.92	-45.73	-49.47	-45.13	-67.12	-48.48	-40.37	-48.42	6.71
5	32.00	3.14	-64.77	-54.62	-53.38	-56.37	-48.81	-53.86	-53.02	-57.45	-54.53	-55.22	-56.95	-51.09	-72.44	-55.26	-46.75	-54.95	6.65
6	25.60	2.51	-44.60	-40.53	-45.04	-45.44	-44.78	-53.94	-29.85	-52.17	-51.11	-47.88	-44.24	-40.93	-46.88	-45.24	-47.10	-45.32	5.48
7	21.33	4.46	-23.99	-17.62	-23.83	-24.39	-25.46	-26.67	-13.82	-25.83	-26.90	-26.56	-21.61	-14.87	-26.38	-24.67	-26.63	-23.29	4.21
8	18.29	.742	-19.41	-16.15	-14.76	-17.94	-18.81	-18.32	-13.23	-18.26	-18.65	-18.42	-14.43	-2.78	-21.89	-18.31	-18.30	-16.65	4.26
9	16.00	1.318	-12.04	-6.03	-7.08	-10.58	-11.71	-9.53	-7.65	-10.85	-12.37	-12.88	-6.23	5.14	-9.80	-9.69	-8.01	-8.63	4.25
10	14.22	2.559	-11.29	5.63	-6.90	-8.76	-11.72	-10.87	-9.57	-10.73	-11.25	-11.38	-6.12	14	-13.86	-9.09	-8.26	-9.02	3.29
11	12.80	3.251	-12.57	8.80	-9.38	-10.19	-12.51	-15.44	-9.27	-11.65	-11.83	-12.17	-8.74	-3.78	-19.54	-10.73	-10.53	-11.14	3.33
12	11.64	3.215	-15.96	12.73	-14.02	-15.58	-15.99	-20.75	-16.62	-15.20	-14.39	-12.92	-15.59	-8.36	-20.67	-14.91	-14.66	-15.09	2.91
13	10.67	4.720	-20.34	-16.92	-18.87	-19.08	-19.77	-26.84	-19.82	-19.66	-19.11	-19.29	-16.35	-16.71	-25.83	-18.70	-18.52	-19.85	2.72
14	9.85	6.214	-23.66	-19.73	-22.49	-22.04	-22.60	-27.88	-24.63	-22.64	-21.63	-21.58	-21.77	-20.98	-28.15	-22.24	-21.54	-22.90	2.27
15	9.14	7.348	-25.21	-20.74	-25.13	-24.55	-24.41	-30.12	-25.10	-24.54	-22.58	-22.65	-24.40	-23.39	-29.07	-24.98	-23.09	-24.74	1.96
16	8.53	7.009	-26.82	-20.39	-25.46	-24.16	-24.47	-31.01	-24.97	-24.60	-23.01	-23.04	-23.88	-23.63	-29.81	-24.35	-23.39	-24.74	2.54
17	8.00	4.374	-26.03	-20.42	-24.97	-23.46	-24.47	-31.01	-24.97	-24.60	-23.01	-23.04	-23.88	-23.63	-29.81	-24.35	-23.39	-24.74	2.54
18	7.53	3.063	-25.05	-23.70	-25.69	-25.62	-25.62	-30.25	-25.95	-25.76	-25.26	-25.70	-25.15	-24.95	-31.99	-26.03	-25.43	-26.07	2.08
19	7.11	2.617	-25.69	-20.69	-25.19	-23.88	-26.58	-30.12	-25.55	-25.26	-24.26	-24.28	-24.17	-23.60	-29.44	-27.34	-24.49	-25.40	2.29
20	6.74	2.015	-23.96	-17.24	-23.40	-22.20	-26.51	-35.99	-21.76	-25.55	-20.83	-19.65	-22.05	-21.11	-23.60	-21.42	-23.51	-23.51	4.14
21	6.40	1.583	-21.67	-16.38	-20.32	-19.08	-24.32	-43.13	-20.19	-24.44	-18.68	-17.37	-19.11	-19.74	-22.50	-25.69	-19.21	-22.09	6.17
22	6.10	1.485	-22.53	-13.72	-20.75	-17.66	-27.41	-41.08	-20.72	-27.62	-19.03	-19.36	-18.87	-20.59	-27.22	-27.92	-19.30	-22.90	6.33
23	5.82	2.228	-32.22	-15.11	-24.40	-19.83	-32.30	-37.78	-23.63	-35.10	-27.18	-28.20	-24.98	-23.74	-34.69	-30.31	-22.87	-26.21	5.92
24	5.57	1.957	-32.56	-18.39	-27.82	-23.37	-35.97	-39.36	-28.23	-35.10	-27.18	-28.20	-24.98	-29.50	-36.77	-35.27	-31.74	-29.39	5.23
25	5.33	2.228	-32.22	-23.73	-32.13	-28.77	-35.97	-40.96	-32.42	-36.44	-32.94	-32.94	-34.48	-30.77	-34.37	-33.81	-32.76	-32.64	3.72
26	5.12	2.345	-34.14	-27.58	-35.78	-32.98	-37.31	-41.47	-35.01	-37.95	-36.27	-36.79	-33.46	-34.14	-38.61	-35.61	-36.32	-35.56	3.00
27	4.92	1.767	-36.75	-27.31	-36.19	-32.90	-38.04	-42.47	-36.00	-38.57	-36.36	-37.58	-34.48	-34.48	-41.19	-35.91	-36.10	-36.40	3.41
28	4.74	1.141	-37.82	-27.06	-34.94	-31.85	-36.85	-42.17	-35.12	-37.87	-36.20	-36.52	-32.81	-33.31	-39.07	-35.02	-36.10	-35.52	3.36
29	4.57	1.020	-41.67	-29.77	-39.39	-35.65	-38.78	-44.06	-38.45	-39.74	-40.51	-40.69	-36.52	-33.59	-43.26	-37.84	-40.55	-38.97	3.32
30	4.41	1.007	-46.58	-34.12	-42.55	-39.82	-42.30	-48.19	-41.00	-42.59	-44.17	-44.05	-40.45	-40.80	-46.70	-42.05	-43.46	-42.52	3.24
31	4.27	.760	-46.89	-37.56	-43.37	-42.59	-44.27	-48.61	-40.63	-44.64	-44.07	-44.78	-42.82	-42.11	-45.21	-44.73	-43.89	-43.75	2.48

Table B.35 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 10:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² s ⁻²)	D I R E C T I O N (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C8I	C82	C80	D04	D0C	02D	41D	C24		
2	128.00	.760	-25.13	-9.97	-31.81	-29.72	-29.24	-28.91	-46.08	-29.48	-27.11	-20.67	-26.61	-20.82	-31.03	-30.81	-27.52	-25.82	9.48
3	64.00	1.211	-38.48	-14.21	-41.15	-35.06	-35.58	-45.52	-35.09	-37.02	-33.52	-31.71	-34.42	-31.57	-31.19	-36.22	-33.35	-34.29	6.50
4	42.67	1.791	-52.90	-34.33	-54.90	-51.70	-46.47	-51.15	-43.30	-49.74	-45.82	-45.27	-50.96	-43.03	-47.95	-52.24	-41.85	-47.45	5.21
5	32.00	.361	-45.76	-35.36	-55.14	-51.09	-40.99	-52.25	-63.21	-41.99	-41.36	-40.31	-50.54	-43.53	-45.80	-49.34	-39.15	-46.38	7.01
6	25.60	.287	-34.64	-30.43	-42.24	-39.25	-34.25	-46.52	-57.41	-33.47	-34.64	-35.40	-38.27	-32.53	-38.34	-37.64	-34.68	-37.96	6.49
7	21.33	.327	-23.42	-26.21	-18.20	-22.29	-23.75	-27.45	-29.40	-23.62	-25.04	-26.28	-19.55	-6.39	-19.18	-24.89	-24.14	-22.67	5.27
8	18.29	.648	-17.08	-14.36	-7.19	-11.62	-15.60	-12.38	-12.89	-15.40	-16.57	-9.80	-7.86	8.26	-13.26	-14.02	-13.58	-12.16	6.20
9	16.00	1.276	-13.17	-10.98	-8.21	-13.65	-12.86	-13.17	-16.14	-11.31	-10.85	-9.90	-8.80	4.81	-10.93	-11.73	-10.66	-10.51	4.53
10	14.22	2.566	-12.46	-10.21	-9.39	-12.96	-12.41	-15.81	-19.11	-10.36	-9.31	-7.31	-9.51	-2.52	-13.90	-10.96	-10.60	-10.99	3.99
11	12.80	2.972	-13.76	-9.39	-9.44	-10.98	-12.98	-14.11	-15.43	-12.08	-12.22	-12.94	-8.94	4.32	-19.06	-10.37	-10.44	-11.68	3.69
12	11.64	3.184	-13.75	-9.39	-9.30	-10.29	-13.33	-14.67	-10.66	-13.00	-13.60	-14.74	-8.74	4.32	-22.04	-10.49	-11.10	-11.96	3.79
13	10.67	3.239	-19.73	-15.92	-15.92	-17.96	-23.00	-25.81	-17.53	-17.71	-17.02	-17.44	-15.90	-12.89	-25.19	-17.32	-16.64	-18.01	3.25
14	9.85	8.950	-26.89	-21.62	-23.77	-23.00	-24.15	-30.89	-22.45	-24.19	-23.45	-24.70	-22.92	-21.50	-31.43	-23.74	-22.99	-24.51	2.89
15	9.14	11.702	-28.49	-23.26	-26.45	-25.36	-26.66	-29.79	-26.32	-26.80	-25.88	-26.41	-25.45	-24.51	-31.71	-26.40	-25.81	-26.62	1.99
16	8.53	9.762	-28.67	-24.04	-27.80	-26.82	-27.88	-30.09	-27.76	-28.13	-26.84	-26.55	-26.80	-25.88	-31.03	-27.79	-26.98	-27.54	1.60
17	8.00	7.255	-28.06	-24.72	-27.68	-26.96	-27.31	-30.98	-27.39	-27.38	-26.18	-25.76	-27.05	-25.85	-31.54	-27.77	-26.48	-27.42	1.74
18	7.53	5.840	-28.96	-24.94	-28.08	-27.50	-27.70	-31.58	-26.70	-28.03	-26.18	-25.71	-27.50	-25.92	-30.18	-28.64	-26.59	-27.61	1.70
19	7.11	4.298	-30.91	-25.88	-28.49	-27.70	-28.89	-32.96	-29.41	-30.90	-28.95	-29.08	-29.90	-26.61	-31.04	-29.55	-27.34	-28.49	1.90
20	6.74	3.658	-32.06	-28.33	-30.34	-29.52	-30.44	-34.42	-29.41	-30.90	-29.42	-30.12	-30.37	-30.09	-33.93	-31.28	-29.17	-30.45	1.74
21	6.40	2.481	-32.43	-27.91	-30.93	-29.45	-31.54	-37.38	-29.60	-34.61	-29.40	-30.17	-28.59	-29.82	-36.80	-32.38	-29.63	-31.35	2.56
22	6.10	1.511	-31.82	-23.43	-30.68	-27.10	-34.18	-40.88	-29.60	-34.61	-29.40	-30.17	-28.59	-29.82	-36.80	-32.94	-28.28	-29.28	3.03
23	5.82	1.556	-27.68	-24.25	-28.33	-27.08	-32.66	-40.65	-27.69	-33.08	-28.15	-26.85	-27.05	-26.61	-31.04	-29.55	-27.34	-28.49	1.70
24	5.57	1.602	-29.81	-26.93	-28.20	-28.08	-34.14	-39.72	-28.95	-34.74	-30.47	-30.26	-28.02	-28.32	-33.03	-33.47	-30.54	-31.31	4.03
25	5.33	1.613	-31.86	-26.95	-28.42	-27.58	-35.52	-40.13	-29.40	-36.27	-30.47	-30.26	-28.02	-28.32	-33.03	-33.64	-30.71	-31.31	3.31
26	5.12	1.703	-34.77	-27.65	-34.31	-31.69	-38.09	-42.02	-33.95	-38.77	-35.02	-36.01	-32.57	-33.66	-38.95	-35.96	-35.03	-35.23	3.31
27	4.92	1.635	-36.92	-30.33	-39.96	-36.84	-40.26	-43.69	-38.76	-40.75	-40.87	-41.47	-37.40	-38.97	-42.74	-38.62	-41.24	-39.26	3.08
28	4.74	1.294	-38.06	-28.57	-41.01	-37.23	-39.80	-44.60	-39.23	-40.23	-41.96	-42.22	-37.78	-39.77	-42.96	-38.40	-42.59	-39.63	3.60
29	4.57	1.021	-40.44	-31.52	-39.40	-37.10	-39.20	-44.56	-37.66	-40.11	-39.65	-39.77	-37.62	-38.86	-43.22	-38.92	-39.10	-39.10	2.80
30	4.41	1.061	-42.60	-35.14	-39.97	-38.87	-40.10	-44.59	-38.65	-41.13	-39.72	-39.67	-39.10	-38.27	-42.41	-40.56	-39.28	-40.00	2.11
31	4.27	1.022	-40.58	-36.14	-39.40	-38.91	-39.25	-45.18	-38.59	-40.49	-39.59	-39.08	-39.08	-38.19	-41.63	-39.84	-39.03	-39.66	1.89

Table B.36 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 13:00 HOURS Hmo=.30 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	CID	4C5	D0E	CB1	CB2	CB4	D04	DOC	O2D	41D	C24		
2	128.00	7.56	-31.54	-37.04	-40.31	-36.50	-26.17	-34.93	-33.96	-30.97	-25.93	-24.22	-39.42	-35.83	-66.96	-32.73	-29.77	-36.32	10.78
3	64.00	1.204	-60.63	-43.27	-40.04	-37.38	-29.56	-44.41	-35.32	-32.10	-27.77	-35.17	-41.83	-34.73	-79.00	-36.90	-29.49	-40.30	12.90
4	42.67	8.40	-102.31	-46.73	-55.58	-49.52	-47.48	-61.08	-56.63	-52.58	-43.41	-53.70	-54.75	-50.71	-97.13	-52.33	-39.67	-57.10	17.34
5	32.00	3.42	-98.48	-35.59	-61.51	-53.27	-54.72	-59.62	-60.28	-52.04	-59.17	-56.92	-56.92	-53.00	-95.63	-56.57	-45.36	-59.41	15.94
6	25.60	2.24	-70.55	-21.09	-58.69	-48.31	-44.58	-41.30	-47.12	-51.57	-46.33	-50.95	-49.02	-45.50	-76.86	-49.43	-41.95	-49.53	12.31
7	21.33	3.70	-51.39	-24.90	-53.98	-48.85	-40.64	-36.64	-42.47	-44.63	-42.47	-42.96	-46.85	-42.22	-53.00	-47.25	-39.99	-43.02	7.90
8	18.29	6.26	-15.70	-13.19	-17.34	-20.33	-16.00	-21.46	-15.45	-13.99	-14.20	-11.85	-16.45	-4.40	-21.98	-15.75	-15.03	-15.54	4.09
9	16.00	1.345	-10.50	-10.54	-9.38	-12.55	-10.50	-13.58	-9.91	-8.92	-9.00	-8.68	-9.41	1.38	-12.38	-10.46	-8.76	-9.55	3.25
10	14.22	2.696	-10.71	-10.48	-8.28	-11.18	-11.56	-16.12	-7.34	-10.93	-11.55	-12.80	-8.52	8.85	-15.14	-10.42	-10.09	-10.40	3.40
11	12.80	3.476	-10.86	-11.29	-8.97	-10.29	-17.80	-6.46	-11.32	-11.32	-12.30	-14.31	-9.24	5.54	-21.08	-9.64	-10.09	-11.39	3.83
12	11.64	3.917	-14.74	-11.90	-13.46	-12.61	-13.77	-20.89	-11.28	-13.32	-13.96	-15.93	-12.95	-12.17	-25.91	-11.74	-12.06	-14.45	3.77
13	10.67	6.650	-22.86	-17.50	-20.22	-19.43	-20.56	-26.85	-16.11	-20.33	-19.53	-20.71	-19.50	-18.01	-27.50	-19.68	-19.02	-20.51	3.01
14	9.85	10.129	-25.66	-21.87	-23.12	-22.76	-23.77	-29.67	-21.00	-23.86	-22.83	-23.13	-22.66	-21.40	-28.83	-23.33	-23.00	-23.79	2.39
15	9.14	11.661	-27.97	-23.35	-25.48	-24.85	-25.84	-30.65	-24.85	-26.03	-24.68	-24.78	-24.78	-24.06	-29.48	-25.61	-24.86	-25.82	1.95
16	8.53	12.132	-29.43	-25.39	-28.34	-27.60	-27.66	-33.06	-27.89	-27.88	-26.74	-26.92	-27.62	-26.61	-31.43	-28.16	-26.92	-28.11	1.87
17	8.00	9.446	-30.50	-27.27	-30.15	-29.17	-29.08	-32.42	-30.67	-29.46	-28.57	-28.81	-29.45	-28.64	-34.79	-29.55	-28.77	-29.82	1.74
18	7.53	7.465	-30.40	-27.26	-29.89	-28.81	-29.40	-32.13	-30.67	-29.77	-28.77	-29.03	-29.27	-29.10	-35.17	-29.35	-28.92	-29.86	1.76
19	7.11	7.566	-30.84	-25.71	-29.13	-27.81	-29.41	-32.84	-29.51	-29.72	-28.12	-27.71	-28.23	-28.23	-32.86	-29.15	-28.01	-29.13	1.85
20	6.74	6.509	-31.63	-25.43	-29.78	-28.61	-30.57	-33.54	-29.56	-30.87	-28.12	-27.61	-28.71	-28.37	-30.67	-30.46	-28.28	-29.49	1.86
21	6.40	5.058	-31.97	-27.53	-31.40	-30.38	-32.08	-35.58	-30.47	-32.51	-30.13	-29.80	-30.50	-29.99	-31.91	-32.37	-30.23	-31.12	1.73
22	6.10	3.043	-31.43	-27.94	-31.59	-30.72	-33.51	-38.44	-28.99	-33.95	-31.07	-31.02	-30.87	-30.39	-32.24	-33.76	-31.10	-31.80	2.37
23	5.82	2.538	-28.17	-25.51	-29.13	-28.05	-32.73	-39.51	-26.84	-34.28	-29.77	-29.58	-28.38	-28.49	-30.78	-33.29	-29.80	-30.35	3.42
24	5.57	2.907	-28.47	-23.71	-29.47	-27.40	-32.05	-36.68	-28.94	-32.45	-29.43	-29.40	-28.26	-28.69	-33.00	-31.46	-29.45	-29.91	2.86
25	5.33	2.673	-24.39	-24.39	-29.65	-27.52	-30.66	-37.37	-29.38	-31.00	-28.03	-28.01	-28.26	-29.19	-33.76	-30.17	-28.12	-29.77	2.90
26	5.12	2.459	-33.59	-26.74	-30.28	-29.23	-31.92	-37.10	-29.50	-32.33	-29.52	-29.40	-29.78	-29.19	-34.39	-31.80	-29.64	-30.96	2.50
27	4.92	2.003	-34.52	-27.88	-32.71	-31.71	-34.25	-37.73	-31.50	-34.86	-32.22	-31.54	-32.00	-30.97	-34.35	-34.45	-32.21	-32.86	2.19
28	4.74	1.648	-36.81	-28.36	-33.84	-31.94	-34.00	-37.83	-33.13	-34.89	-32.07	-31.43	-32.57	-31.45	-37.52	-34.35	-32.07	-33.48	2.47
29	4.57	1.130	-38.61	-30.77	-34.29	-32.28	-35.48	-39.12	-33.16	-36.30	-33.90	-33.84	-33.01	-32.56	-40.13	-34.92	-33.81	-34.88	2.56
30	4.41	.884	-40.04	-33.70	-37.57	-36.46	-38.74	-41.62	-37.44	-39.49	-38.88	-38.88	-36.84	-36.41	-41.05	-38.16	-38.78	-38.27	1.93
31	4.27	.752	-42.79	-34.48	-39.06	-38.29	-40.30	-41.32	-38.35	-40.75	-40.22	-40.85	-38.66	-37.49	-43.66	-40.08	-40.14	-39.76	2.14

Table B.37 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 16:00 HOURS Hmo=.26 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s ²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev		
			012	34C	D03	D24	CID	4C5	DOE	CBI	CB2	CB0	D04	D0C	02D	4ID	C24				
2	128.00	.716	-22.49	-16.68	-30.12	-22.61	-26.98	-47.38	-18.04	-29.93	-32.68	-30.10	-27.63	-28.26	-31.48	-25.52	-31.48	-25.52	-32.52	-29.33	9.23
3	64.00	1.329	-37.18	-19.80	-32.52	-26.88	-31.77	-40.39	-31.21	-33.72	-30.10	-35.72	-30.10	-27.63	-37.74	-28.26	-37.74	-28.26	-30.40	-31.08	4.84
4	42.67	1.150	-50.89	-25.20	-41.14	-34.13	-36.61	-42.26	-42.41	-39.56	-34.23	-35.01	-36.47	-35.08	-52.08	-36.47	-35.08	-36.25	-33.85	-38.63	7.27
5	32.00	.460	-69.35	-45.36	-61.81	-58.56	-51.95	-49.56	-61.61	-57.26	-54.10	-55.87	-59.08	-52.08	-73.57	-59.08	-73.57	-58.40	-47.87	-57.08	7.37
6	25.60	.242	-60.54	-41.25	-51.40	-47.54	-32.73	-44.94	-52.91	-33.90	-30.20	-37.50	-49.27	-41.27	-70.68	-49.27	-70.68	-44.71	-30.70	-44.59	10.98
7	21.33	.412	-37.96	-12.79	-29.30	-21.87	-18.32	-23.87	-17.53	-17.52	-12.05	-17.66	-24.30	-18.55	-54.66	-24.30	-18.55	-20.23	-14.85	-22.98	10.55
8	18.29	.845	-20.43	-11.98	-11.68	-11.79	-18.36	-16.27	-9.46	-17.72	-16.68	-17.41	-10.10	-10.10	-28.98	-10.10	-28.98	-15.27	-16.66	-14.99	5.83
9	16.00	1.644	-15.15	-12.56	-11.24	-12.85	-14.97	-15.19	-7.94	-14.44	-15.03	-15.88	-17.41	-15.88	-3.70	-15.88	-3.70	-13.42	-13.97	-13.11	3.56
10	14.22	3.094	-13.83	-10.74	-12.31	-12.70	-12.25	-14.16	-2.95	-12.95	-14.52	-17.94	-17.94	-15.88	-6.60	-15.88	-6.60	-20.04	-11.69	-10.95	3.90
11	12.80	3.440	-12.96	-8.07	-11.72	-11.38	-11.04	-14.45	-6.06	-11.26	-11.82	-14.63	-14.63	-14.63	-7.25	-14.63	-7.25	-20.45	-10.15	-9.08	3.35
12	11.64	3.733	-13.40	-10.26	-14.20	-14.22	-13.87	-17.73	-15.74	-13.19	-12.12	-12.68	-12.68	-12.68	-9.92	-12.68	-9.92	-21.16	-13.16	-12.20	2.72
13	10.67	6.400	-23.52	-17.83	-22.57	-21.62	-21.42	-25.43	-23.29	-21.41	-20.49	-21.35	-21.35	-21.35	-20.06	-21.35	-20.06	-29.02	-21.33	-20.25	2.49
14	9.85	9.347	-25.29	-20.81	-24.51	-23.31	-23.76	-27.78	-25.05	-23.82	-22.80	-23.49	-23.49	-23.49	-23.22	-23.49	-23.22	-30.42	-23.55	-22.86	2.19
15	9.14	9.498	-27.13	-21.71	-25.42	-24.27	-25.25	-28.24	-25.97	-25.39	-23.92	-24.19	-24.44	-25.59	-24.82	-25.59	-24.82	-30.36	-25.11	-24.12	1.98
16	8.53	8.202	-28.57	-22.93	-26.39	-25.54	-26.47	-31.66	-27.70	-26.06	-24.53	-24.68	-24.99	-25.29	-32.37	-25.29	-32.37	-26.54	-25.01	-26.47	2.19
17	8.00	6.609	-28.09	-24.18	-25.49	-24.38	-25.81	-32.82	-29.71	-26.98	-25.41	-25.29	-26.16	-26.16	-30.68	-26.16	-30.68	-24.80	-26.57	-27.01	1.87
18	7.53	5.967	-28.95	-25.09	-26.75	-25.83	-26.68	-31.50	-27.31	-26.98	-25.41	-25.29	-26.16	-26.16	-25.53	-26.16	-25.53	-24.80	-26.47	-27.01	1.87
19	7.11	5.559	-30.47	-25.91	-28.93	-27.92	-28.67	-31.90	-28.56	-29.02	-27.37	-27.35	-28.17	-28.17	-27.42	-28.17	-27.42	-31.61	-29.27	-27.65	1.58
20	6.74	4.240	-33.39	-28.07	-31.01	-29.96	-31.54	-34.58	-29.95	-32.03	-29.95	-29.95	-29.98	-30.29	-29.93	-30.29	-29.93	-34.92	-31.61	-30.07	1.84
21	6.40	3.235	-34.66	-29.25	-32.27	-31.34	-33.65	-37.12	-31.25	-34.29	-31.74	-31.16	-31.50	-31.29	-35.06	-31.29	-35.06	-33.15	-31.76	-32.63	1.93
22	6.10	2.902	-35.69	-29.94	-33.76	-32.60	-34.97	-39.39	-33.13	-35.76	-33.82	-33.00	-32.68	-32.01	-32.90	-32.68	-32.90	-34.26	-33.71	-34.14	2.06
23	5.82	2.169	-35.47	-28.85	-33.20	-31.45	-34.78	-39.82	-31.87	-33.76	-33.20	-33.00	-32.68	-32.01	-32.90	-32.68	-32.90	-33.26	-33.14	-33.64	2.52
24	5.57	1.647	-34.53	-27.95	-34.04	-31.95	-32.78	-37.12	-31.93	-33.51	-31.32	-30.93	-30.93	-30.93	-31.58	-30.93	-31.58	-33.34	-31.39	-32.90	2.37
25	5.33	1.380	-32.38	-26.89	-33.74	-31.23	-31.76	-34.56	-32.61	-33.33	-30.19	-30.01	-28.48	-28.48	-28.66	-28.48	-28.66	-34.33	-30.35	-32.00	2.70
26	5.12	1.104	-30.43	-21.72	-31.43	-27.73	-29.84	-32.94	-30.56	-30.19	-28.74	-28.17	-28.88	-28.88	-29.85	-28.88	-29.85	-36.07	-29.20	-28.40	3.52
27	4.92	.895	-33.39	-19.64	-32.46	-27.99	-29.64	-33.19	-31.34	-29.82	-28.37	-28.58	-28.88	-28.88	-29.85	-28.88	-29.85	-36.07	-29.20	-28.40	2.70
28	4.74	.891	-32.73	-21.16	-31.20	-26.94	-27.27	-33.55	-30.41	-29.85	-27.22	-26.87	-27.87	-27.87	-28.03	-27.87	-28.03	-36.93	-27.85	-27.23	3.54
29	4.57	.840	-33.34	-25.44	-33.13	-29.93	-29.58	-34.05	-30.41	-29.85	-30.45	-29.38	-30.50	-29.80	-29.80	-30.50	-29.80	-37.17	-31.04	-30.44	2.56
30	4.41	.544	-33.23	-30.71	-33.94	-32.94	-34.20	-40.22	-29.98	-34.64	-33.61	-32.22	-32.22	-32.91	-31.37	-34.84	-31.37	-35.11	-33.57	-33.70	2.32
31	4.27	.373	-36.60	-32.50	-33.54	-32.68	-31.92	-38.21	-32.06	-32.40	-32.73	-30.78	-30.78	-32.84	-31.07	-36.00	-31.07	-34.06	-32.72	-33.34	2.01

Table B.39 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 05/02/94 22:00 HOURS Hmo=.25 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	DOE	CBI	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	712	-36.43	-40.33	-40.48	-44.45	-30.48	-34.08	-33.16	-33.01	-19.39	-24.84	-45.89	-27.71	-63.04	-46.49	-26.42	-37.84	11.60
3	64.00	1162	-27.90	-22.56	-37.90	-34.37	-31.66	-37.78	-28.94	-32.36	-33.01	-32.53	-33.68	-29.42	-31.59	-34.45	-32.88	-32.07	3.72
4	42.67	882	-23.40	-14.72	-30.94	-26.36	-26.11	-30.23	-22.50	-26.94	-26.47	-23.13	-25.47	-22.50	-24.83	-26.82	-27.46	-25.19	3.70
5	32.00	401	-46.74	-25.58	-41.61	-37.36	-33.24	-33.24	-29.23	-36.33	-32.18	-31.97	-37.65	-29.43	-51.86	-37.89	-32.16	-35.91	6.62
6	25.60	275	-39.96	-43.25	-37.39	-43.85	-33.82	-33.97	-37.97	-38.11	-34.89	-41.45	-26.30	-26.30	-36.95	-41.78	-34.02	-36.99	4.63
7	21.33	441	-24.45	-27.23	-25.17	-28.19	-22.59	-24.19	-29.69	-22.77	-21.67	-19.04	-10.70	-10.70	-22.31	-25.48	-23.19	-23.46	4.28
8	18.29	927	-15.21	-14.10	-12.46	-14.51	-14.73	-18.49	-13.25	-13.12	-13.12	-13.31	-12.51	-2.37	-23.99	-12.75	-13.17	-13.81	4.21
9	16.00	1425	-12.21	-8.06	-7.56	-9.57	-12.62	-14.42	-7.53	-11.59	-12.02	-14.02	-7.26	1.31	-23.66	-9.51	-9.80	-10.57	5.08
10	14.22	2423	-12.80	-9.05	-8.36	-11.35	-12.94	-14.29	-17.83	-11.03	-10.50	-9.79	-8.15	.27	-19.50	-10.52	-10.51	-11.09	4.36
11	12.80	3409	-14.86	-10.68	-11.17	-12.09	-17.30	-20.81	-18.87	-12.91	-12.46	-12.17	-10.83	-4.93	-20.36	-12.25	-12.11	-13.04	3.41
12	11.64	3728	-19.09	-15.21	-16.36	-18.05	-22.00	-25.21	-16.88	-17.09	-16.89	-17.76	-16.18	-10.23	-23.96	-16.06	-15.90	-17.22	2.83
13	10.67	5115	-19.87	-22.69	-22.08	-22.81	-22.00	-26.52	-19.78	-22.00	-20.87	-21.42	-21.69	-17.65	-23.17	-22.40	-20.92	-22.19	2.55
14	9.85	7860	-27.91	-22.69	-25.26	-24.61	-25.21	-30.06	-26.33	-25.46	-28.00	-24.11	-24.51	-22.68	-33.00	-25.25	-24.27	-25.69	2.66
15	9.14	9895	-29.24	-23.68	-27.42	-26.67	-26.77	-30.53	-27.01	-27.10	-25.24	-24.88	-26.52	-24.44	-31.67	-27.71	-25.73	-26.97	2.12
16	8.53	8962	-32.98	-26.45	-31.39	-30.52	-31.54	-34.96	-27.75	-30.79	-29.26	-29.35	-30.32	-28.42	-33.72	-31.34	-29.38	-30.31	1.90
17	8.00	7197	-33.46	-27.78	-31.49	-30.42	-31.54	-34.96	-31.30	-31.93	-30.47	-30.39	-30.56	-30.05	-34.89	-31.40	-29.38	-31.41	1.80
18	7.53	5653	-34.13	-27.92	-31.48	-30.08	-31.77	-35.30	-32.76	-32.19	-30.58	-30.70	-30.55	-30.94	-36.68	-31.13	-30.61	-31.79	2.12
19	7.11	3741	-34.58	-29.75	-32.62	-31.41	-32.57	-39.09	-33.44	-35.93	-33.85	-33.87	-31.90	-31.97	-32.34	-32.31	-31.67	-33.02	2.16
20	6.74	2608	-36.44	-32.05	-35.00	-34.12	-35.32	-39.09	-33.44	-35.93	-33.85	-33.87	-34.46	-34.17	-35.55	-33.75	-33.07	-35.07	1.89
21	6.40	2397	-36.23	-31.37	-34.55	-33.34	-35.67	-39.88	-32.66	-36.23	-33.41	-33.53	-33.74	-34.15	-38.24	-35.19	-33.47	-35.07	2.14
22	6.10	1971	-32.46	-25.26	-34.87	-30.67	-36.77	-42.76	-34.53	-37.32	-33.37	-33.56	-31.62	-35.05	-39.11	-33.74	-33.40	-34.30	3.82
23	5.82	1644	-26.39	-20.54	-35.73	-29.43	-38.46	-42.52	-35.12	-38.88	-34.48	-35.22	-30.92	-35.95	-41.43	-33.84	-34.67	-34.24	5.48
24	5.57	1402	-30.48	-20.77	-32.61	-27.47	-37.85	-42.10	-31.59	-38.34	-34.43	-34.93	-28.86	-32.93	-40.42	-33.43	-34.59	-33.39	5.18
25	5.33	996	-34.24	-22.92	-33.17	-28.26	-36.90	-40.43	-32.86	-37.75	-36.16	-35.00	-29.30	-32.98	-39.85	-32.51	-36.30	-33.91	4.41
26	5.12	829	-33.35	-23.95	-36.29	-31.48	-37.66	-41.48	-35.67	-38.77	-38.31	-36.45	-32.21	-35.89	-40.96	-33.66	-38.57	-35.65	4.23
27	4.92	737	-37.74	-27.21	-38.90	-33.54	-38.81	-42.29	-39.40	-39.40	-38.07	-37.51	-34.39	-38.16	-44.06	-35.21	-38.23	-37.39	3.75
28	4.74	552	-39.03	-28.29	-38.54	-33.30	-37.26	-36.96	-37.68	-37.59	-38.10	-37.47	-34.05	-37.21	-43.95	-34.72	-38.41	-36.83	3.40
29	4.57	370	-38.09	-26.07	-38.37	-33.06	-36.96	-36.96	-36.54	-37.23	-40.03	-39.12	-33.41	-37.56	-41.74	-34.45	-40.62	-36.86	3.83
30	4.41	288	-35.10	-25.00	-37.12	-29.96	-36.96	-36.96	-35.70	-36.96	-39.99	-39.99	-30.47	-35.87	-38.37	-34.45	-40.62	-33.45	4.24
31	4.27	211	-32.67	-22.42	-35.19	-27.39	-36.96	-36.96	-34.44	-36.96	-39.99	-39.99	-28.34	-32.48	-34.96	-34.96	-34.96	-30.99	4.24

Table B.40 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 06/02/94 01:00 HOURS Hmo= .29 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² /s)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	CID	4C5	DOE	CB1	CB2	CB0	D04	D0C	02D	41D	C24		
2	128.00	.704	-82.71	-43.40	-53.41	-47.93	-46.41	-38.61	-79.83	-71.65	-67.17	-67.69	-51.22	-51.31	-87.08	-48.34	-45.48	-38.71	15.22
3	64.00	1.204	-55.90	-53.83	-47.76	-53.97	-45.92	-35.71	-55.76	-50.93	-45.29	-44.51	-53.51	-42.69	-51.71	-54.42	-40.01	-48.80	6.02
4	42.67	1.226	-45.07	-54.52	-45.93	-54.00	-42.43	-36.31	-47.77	-49.72	-44.52	-38.99	-52.59	-38.86	-34.82	-53.32	-38.63	-45.17	6.48
5	32.00	.558	-53.12	-53.23	-43.01	-43.73	-36.77	-39.89	-57.62	-46.95	-40.16	-38.93	-45.58	-40.31	-63.59	-43.03	-36.11	-45.45	7.76
6	25.60	.330	-43.46	-34.96	-36.00	-36.50	-29.98	-30.33	-44.44	-32.74	-26.52	-25.66	-37.01	-31.16	-47.10	-35.04	-28.10	-34.59	6.25
7	21.33	.399	-21.11	-25.66	-23.90	-27.60	-19.96	-17.78	-25.22	-19.34	-17.74	-14.08	-18.31	-10.10	-26.72	-17.72	-17.68	-21.34	3.73
8	18.29	.631	-18.97	-17.44	-19.09	-20.59	-18.55	-17.02	-24.60	-17.25	-16.37	-14.08	-18.31	-10.10	-26.72	-17.72	-17.68	-18.30	3.74
9	16.00	1.112	-18.29	-14.29	-15.96	-17.79	-16.19	-14.39	-22.41	-14.31	-13.13	-11.50	-15.96	-9.85	-24.48	-13.49	-13.49	-15.82	4.26
10	14.22	2.124	-15.82	-12.70	-15.04	-15.84	-13.94	-16.90	-14.92	-14.31	-13.72	-15.16	-14.80	-9.85	-24.48	-13.36	-11.47	-14.75	3.13
11	11.64	3.323	-14.42	-11.80	-14.54	-15.17	-12.35	-17.68	-10.95	-12.26	-12.88	-14.84	-14.20	-9.13	-21.09	-13.02	-11.06	-13.69	2.82
12	10.67	4.263	-19.68	-17.31	-18.63	-14.36	-11.09	-16.85	-16.44	-9.46	-8.25	-6.69	-12.97	-6.90	-15.98	-12.64	-10.60	-13.69	2.82
13	9.85	6.704	-27.87	-22.27	-25.00	-23.99	-25.43	-28.50	-26.64	-24.45	-18.36	-17.28	-18.25	-15.55	-28.41	-19.07	-17.97	-19.51	3.31
14	9.14	9.948	-29.31	-25.07	-27.53	-26.65	-26.99	-33.02	-27.28	-27.18	-26.19	-26.80	-26.83	-22.84	-33.55	-25.34	-24.16	-25.61	2.67
15	8.53	10.179	-28.39	-26.84	-29.27	-28.69	-28.52	-34.31	-28.68	-28.80	-27.81	-28.22	-28.82	-27.33	-33.86	-29.42	-26.24	-27.67	2.26
16	8.00	9.593	-27.85	-25.44	-29.47	-28.51	-30.19	-37.49	-31.51	-30.84	-27.34	-27.07	-28.66	-27.55	-34.10	-31.42	-27.96	-29.13	2.05
17	7.53	9.107	-33.63	-29.67	-33.50	-32.42	-34.36	-40.77	-35.36	-38.93	-31.66	-31.62	-32.67	-32.08	-36.82	-35.07	-31.69	-29.67	2.98
18	7.11	10.250	-39.83	-33.25	-38.16	-36.99	-38.10	-41.26	-37.90	-38.93	-36.31	-36.25	-37.17	-36.24	-39.52	-38.57	-36.03	-33.76	1.87
19	6.74	9.260	-44.28	-34.75	-39.38	-38.27	-39.46	-42.45	-38.45	-40.19	-37.88	-37.92	-38.44	-37.48	-41.14	-39.75	-37.51	-39.02	1.93
20	6.40	6.193	-44.43	-37.03	-40.73	-39.51	-41.92	-44.79	-40.95	-42.68	-40.27	-40.44	-41.13	-39.11	-42.35	-42.47	-40.77	-41.83	1.67
21	6.10	5.320	-42.08	-38.65	-41.44	-40.99	-42.62	-46.39	-41.09	-43.70	-41.32	-41.18	-41.20	-39.61	-42.91	-42.47	-40.77	-41.83	1.67
22	5.82	4.705	-39.77	-36.70	-39.77	-39.36	-42.91	-44.38	-39.15	-43.52	-38.76	-39.06	-39.38	-37.04	-42.35	-42.06	-40.65	-40.96	2.31
23	5.57	3.043	-39.68	-32.43	-37.79	-36.47	-42.91	-44.38	-39.15	-43.52	-38.76	-39.06	-39.38	-37.04	-42.35	-42.06	-40.65	-40.96	2.31
24	5.33	2.061	-40.93	-32.04	-37.79	-36.38	-41.36	-43.87	-39.84	-42.34	-39.45	-39.38	-36.76	-37.85	-42.19	-38.94	-39.37	-39.23	2.80
25	5.12	1.682	-40.66	-31.07	-38.42	-36.62	-39.28	-44.54	-38.11	-40.18	-39.59	-38.59	-36.87	-37.85	-42.07	-38.00	-39.65	-38.77	2.84
26	4.92	1.268	-40.13	-29.30	-39.98	-36.66	-37.16	-45.26	-39.00	-37.97	-39.43	-37.78	-37.11	-38.79	-43.19	-36.75	-39.61	-38.54	3.37
27	4.74	.832	-45.38	-32.55	-41.77	-39.44	-42.40	-45.39	-41.10	-43.30	-41.87	-42.24	-39.76	-40.00	-46.08	-41.93	-41.93	-41.68	3.12
28	4.57	.516	-48.39	-34.52	-42.92	-41.32	-45.81	-49.11	-47.32	-45.81	-46.21	-49.14	-41.67	-42.88	-48.32	-46.27	-46.45	-44.66	3.69
29	4.41	.365	-48.72	-33.20	-42.26	-38.33	-41.92	-45.04	-40.95	-43.00	-46.21	-49.14	-38.84	-40.87	-47.19	-42.79	-46.45	-44.80	3.95
30	4.27	.340	-46.29	-31.45	-43.87	-39.50	-41.47	-44.46	-42.31	-42.71	-46.99	-48.36	-39.87	-40.76	-45.35	-42.94	-46.74	-42.88	4.01

Table B.41 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 06/02/94 04:00 HOURS Hmo=.29 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN=.5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C81	C82	C83	D04	D0C	02D	41D	C24		
2	128.00	878	-97.61	3.68	-47.29	-24.20	-36.35	-60.03	-59.58	-40.18	-29.14	-44.61	-32.57	-41.81	-93.94	-28.91	-29.45	-43.58	25.05
3	64.00	1344	-50.34	-35.62	-39.97	-39.10	-40.18	-40.32	-48.97	-42.37	-37.07	-38.92	-38.20	-32.76	-48.79	-41.99	-35.79	-40.69	4.97
4	42.67	1104	-35.06	-44.48	-45.56	-51.37	-45.04	-38.90	-53.38	-49.95	-50.81	-45.63	-48.24	-35.88	-24.92	-51.14	-44.99	-44.38	7.46
5	32.00	542	-41.17	-43.01	-41.68	-45.92	-39.10	-36.51	-47.85	-40.80	-40.04	-39.92	-44.69	-33.19	-44.37	-45.39	-38.37	-42.12	5.36
6	25.60	296	-43.90	-38.51	-35.72	-40.51	-36.43	-36.61	-47.11	-37.92	-35.24	-36.40	-38.36	-27.48	-44.59	-41.18	-34.87	-38.32	4.59
7	21.33	448	-31.38	-18.49	-24.05	-25.83	-24.34	-28.87	-29.80	-25.19	-21.88	-22.19	-22.95	-9.89	-39.08	-25.96	-23.37	-24.89	6.19
8	18.29	935	-22.00	-10.50	-14.08	-13.24	-17.33	-18.06	-11.17	-16.64	-16.10	-18.04	-12.17	-2.36	-31.91	-15.05	-14.94	-15.57	6.14
9	16.00	1622	-13.38	-7.32	-7.41	-8.41	-11.11	-12.08	-9.7	-12.26	-14.05	-17.94	-6.94	1.40	-16.87	-9.63	-8.79	-9.73	5.07
10	14.22	2220	-13.74	-8.36	-9.38	-10.07	-12.44	-11.81	5.11	-12.27	-13.19	-15.40	-8.66	-2.51	-20.68	-10.42	-9.64	-10.91	4.12
11	12.80	2553	-16.94	-10.90	-12.08	-12.58	-15.49	-14.84	-13.65	-14.70	-14.44	-13.83	-11.04	5.24	-21.87	-14.07	-12.81	-13.63	3.41
12	11.64	4116	-15.27	-9.83	-10.83	-10.55	-15.68	-14.59	-15.04	-12.85	-12.03	-11.45	-10.00	-7.52	-20.11	-12.18	-11.50	-12.50	2.89
13	10.67	6141	-20.46	-14.87	-18.05	-16.91	-18.70	-21.04	-20.05	-18.54	-17.52	-17.76	-16.96	-16.10	-24.07	-18.09	-17.32	-18.45	2.17
14	9.85	7915	-26.39	-22.68	-25.61	-24.51	-25.12	-28.92	-26.04	-25.30	-24.28	-24.33	-24.72	-24.05	-29.83	-25.35	-24.50	-25.44	1.77
15	9.14	9319	-29.55	-25.29	-28.38	-27.45	-27.73	-31.76	-27.24	-28.00	-26.66	-26.86	-27.63	-26.63	-31.91	-28.05	-26.90	-28.00	1.76
16	8.53	8232	-32.86	-26.08	-30.16	-28.65	-30.77	-33.88	-31.59	-31.21	-29.09	-29.23	-29.00	-29.25	-34.62	-30.08	-29.15	-30.37	2.13
17	8.00	6595	-34.82	-28.00	-32.89	-31.26	-34.33	-36.95	-33.41	-34.81	-32.26	-32.32	-31.47	-31.69	-33.76	-32.26	-33.10	-33.10	2.14
18	7.53	6676	-35.38	-31.59	-35.45	-34.90	-35.66	-39.32	-32.96	-36.29	-34.16	-33.79	-34.71	-33.08	-36.31	-33.76	-34.04	-34.93	1.78
19	7.11	8582	-35.72	-32.99	-36.63	-35.75	-36.11	-39.21	-35.24	-36.68	-33.97	-35.01	-35.97	-34.97	-38.37	-37.05	-34.83	-35.98	1.47
20	6.74	6407	-35.68	-31.21	-35.96	-34.68	-35.95	-40.55	-34.10	-36.80	-34.14	-35.09	-36.01	-34.31	-38.82	-36.53	-33.82	-35.43	2.14
21	6.40	4412	-38.87	-31.50	-37.02	-35.54	-37.42	-42.76	-34.76	-40.30	-34.56	-34.85	-36.01	-35.08	-40.18	-37.74	-34.35	-36.59	2.66
22	6.10	4076	-38.73	-32.73	-37.90	-36.56	-39.67	-41.79	-36.80	-40.30	-36.52	-37.24	-37.00	-36.13	-40.22	-39.60	-36.26	-37.83	2.18
23	5.82	4036	-35.54	-29.21	-36.96	-34.18	-40.48	-42.45	-35.92	-41.22	-37.19	-37.84	-34.90	-35.87	-39.59	-38.26	-37.16	-37.12	3.12
24	5.57	3843	-36.66	-28.99	-35.26	-32.78	-38.60	-42.38	-34.90	-39.18	-35.80	-36.21	-33.41	-34.88	-39.62	-36.36	-35.83	-36.06	3.06
25	5.33	3364	-39.68	-30.74	-34.52	-33.40	-36.52	-41.03	-33.57	-37.19	-34.30	-33.87	-32.67	-32.47	-38.76	-36.00	-34.21	-35.64	2.62
26	5.12	3252	-36.53	-30.74	-34.52	-32.07	-31.69	-39.14	-34.19	-32.49	-31.63	-29.74	-32.67	-32.47	-38.76	-36.00	-34.21	-35.64	2.67
27	4.92	3013	-34.45	-29.89	-33.47	-31.61	-30.88	-37.77	-32.43	-31.68	-31.52	-29.43	-31.89	-31.09	-35.44	-31.96	-31.67	-32.34	2.09
28	4.74	2602	-36.35	-32.78	-35.05	-34.11	-33.33	-36.68	-33.90	-33.93	-34.36	-32.89	-34.07	-33.39	-35.60	-34.30	-34.26	-34.33	1.11
29	4.57	2194	-39.09	-33.13	-37.43	-35.83	-35.22	-36.88	-35.59	-33.24	-35.89	-35.66	-36.01	-35.87	-38.54	-36.31	-35.90	-36.17	1.37
30	4.41	1568	-39.97	-31.04	-37.66	-34.59	-32.79	-39.87	-36.43	-33.04	-36.51	-36.26	-35.06	-35.09	-40.80	-34.91	-36.63	-36.04	2.66
31	4.27	1124	-41.86	-29.60	-36.69	-32.25	-28.75	9999.99	-37.82	-29.31	-38.23	-37.19	-32.81	-32.53	-41.45	-33.69	-38.45	-35.05	4.20

Table B.43 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 06/02/94 10:00 HOURS Hmo= .27 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	D I R E C T I O N (degrees) for 15 different gauge triads															Mean dir	Std dev
			34C	D03	D24	CID	4C5	D0E	CBI	CB2	CB0	D04	DOC	O2D	4ID	C24			
2	128.00	.635	-40.79	-45.07	-50.75	-43.11	-23.58	-45.92	-49.36	-39.40	-35.59	-48.80	-35.73	-35.92	-51.64	-35.84	-42.09	7.56	
3	64.00	1.365	-45.28	-28.08	-37.61	-40.33	-40.96	-45.11	-43.99	-39.41	-37.26	-36.97	-35.27	-39.78	-40.24	-37.70	-39.72	4.12	
4	42.67	1.202	-16.38	-34.15	-29.73	-35.05	-40.23	-42.64	-37.35	-33.58	-31.01	-29.07	-27.87	-32.59	-33.37	-33.37	-33.07	6.03	
5	32.00	.577	-30.40	-12.50	-28.47	-26.55	-33.66	-32.23	-29.85	-25.13	-19.54	-25.10	-21.09	-26.82	-27.09	-26.95	-26.20	5.11	
6	25.60	.417	-28.86	-21.56	-22.22	-22.85	-30.46	-25.38	-26.84	-20.47	-14.35	-21.92	-16.90	-33.58	-23.04	-24.13	-23.83	4.76	
7	21.33	.540	-20.57	-14.22	-19.03	-18.78	-25.13	-20.32	-17.54	-15.62	-13.58	-16.67	-8.34	-26.93	-16.92	-17.69	-18.03	4.33	
8	18.29	1.083	-14.95	-10.02	-12.49	-14.83	-11.72	-15.48	-10.11	-10.69	-12.93	-11.67	.59	-21.26	-11.00	-8.62	-11.72	4.45	
9	16.00	2.058	-13.91	-9.20	-8.22	-10.15	-11.27	-10.04	-10.75	-11.37	-13.47	-8.12	1.98	-20.41	-10.05	-8.75	-10.17	4.44	
10	14.22	3.505	-13.06	-8.91	-10.95	-11.27	-10.71	-12.05	-10.54	-10.63	-11.49	-8.92	-1.10	-17.15	-10.62	-9.49	-10.45	3.16	
11	12.80	4.842	-14.44	-11.04	-13.14	-12.13	-12.78	-11.70	-11.79	-11.33	-11.86	-11.64	5.75	-16.00	-13.41	-11.33	-12.01	2.11	
12	11.64	4.847	-16.17	-12.02	-15.02	-14.32	-14.18	-13.90	-14.17	-13.51	-13.94	-13.77	-9.33	-17.59	-15.32	-13.16	-14.02	1.75	
13	10.67	6.133	-20.96	-17.68	-19.42	-19.07	-22.99	-12.87	-19.13	-18.79	-20.13	-18.74	-14.55	-23.77	-20.01	-17.83	-18.98	2.65	
14	9.85	8.597	-23.71	-21.13	-21.46	-22.29	-29.71	-14.38	-22.29	-21.26	-21.78	-21.46	-18.51	-26.99	-22.85	-21.24	-22.06	3.27	
15	9.14	10.205	-25.44	-21.41	-22.63	-23.35	-28.56	-22.82	-23.39	-22.38	-23.05	-22.09	-21.61	-30.31	-22.82	-22.30	-23.59	2.49	
16	8.53	9.896	-25.51	-21.76	-23.94	-23.00	-27.13	-24.65	-23.05	-22.23	-22.85	-23.20	-22.58	-30.58	-23.51	-22.39	-23.94	2.23	
17	8.00	9.329	-25.34	-22.60	-25.07	-23.41	-27.18	-22.92	-23.48	-22.39	-22.47	-24.82	-22.92	-27.68	-25.05	-22.90	-24.17	1.61	
18	7.53	7.630	-26.98	-23.84	-25.01	-24.78	-30.97	-24.38	-25.11	-23.60	-24.84	-25.56	-25.40	-29.45	-26.00	-24.05	-25.21	1.85	
19	7.11	5.355	-28.48	-25.10	-25.26	-25.42	-34.63	-27.16	-27.29	-25.86	-25.89	-25.18	-26.01	-31.96	-27.41	-25.29	-26.89	2.47	
20	6.74	3.564	-27.97	-24.92	-24.44	-29.32	-37.50	-27.13	-29.65	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
21	6.40	2.147	-28.50	-23.48	-24.08	-33.29	-36.52	-26.30	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
22	6.10	1.576	-24.14	-20.79	-24.08	-33.29	-40.93	-24.72	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
23	5.82	1.106	-22.89	-18.24	-21.89	-33.29	-46.54	-21.17	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
24	5.57	.865	-24.74	-16.49	-21.40	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
25	5.33	.871	-28.28	-16.18	-18.02	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
26	5.12	.942	-29.40	-19.87	-21.40	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
27	4.92	.885	-30.96	-20.08	-24.13	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
28	4.74	.766	-29.82	-22.97	-26.28	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
29	4.57	.673	-26.64	-26.80	-31.38	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
30	4.41	.684	-28.58	-27.18	-33.33	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	
31	4.27	.496	-32.83	-26.07	-30.81	-33.29	-49.73	-20.26	-33.60	-26.13	-27.17	-25.14	-26.41	-33.43	-31.42	-25.29	-26.07	3.33	

Table B.45 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 06/02/94 16:00 HOURS Hmo=.31 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² s ⁻²)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev	
			012	34C	D03	D24	D24	C1D	4C5	DOE	C1B	C81	C82	C80	D04	D0C	02D			41D
2	128.00	.604	-126.22	-50.02	-64.52	-48.07	-42.56	-73.31	-41.98	-44.20	-55.49	-44.20	-55.49	-61.71	-58.84	-103.63	-57.36	-45.39	-61.04	22.79
3	64.00	1.052	-80.55	-27.84	-49.59	-34.44	-33.93	-64.18	-39.12	-34.87	-42.36	-34.87	-42.36	-45.93	-39.06	-86.80	-42.54	-33.60	-46.02	16.81
4	42.67	1.157	-74.20	-24.71	-52.81	-45.11	-33.97	-33.98	-47.80	-36.48	-34.35	-36.48	-34.35	-48.69	-32.06	-80.28	-48.35	-29.43	-43.05	15.76
5	32.00	.747	-62.40	-34.23	-45.95	-42.62	-34.38	-37.29	-36.33	-27.79	-33.22	-27.79	-33.22	-44.69	-34.80	-68.65	-43.50	-29.33	-40.69	11.03
6	25.60	.459	-48.07	-24.64	-30.05	-25.77	-28.42	-29.07	-26.20	-31.36	-22.30	-22.30	-22.30	-27.33	-21.55	-58.76	-28.19	-25.20	-29.83	9.83
7	21.33	.559	-41.84	-20.12	-33.55	-29.87	-28.19	-22.59	-30.06	-29.74	-23.64	-24.40	-23.64	-29.74	-21.96	-45.96	-29.47	-24.65	-29.03	6.91
8	18.29	1.203	-20.44	-13.69	-19.24	-19.98	-14.12	-17.43	-14.14	-15.45	-16.65	-21.14	-16.65	-18.27	-6.86	-18.54	-17.41	-12.13	-16.37	3.63
9	16.00	2.378	-11.88	-8.40	-10.08	-10.64	-9.24	-16.01	-9.33	-9.64	-11.87	-9.41	-11.87	-9.37	-1.38	-13.98	-9.77	-7.70	-9.81	3.13
10	14.22	3.870	-12.77	-8.40	-9.44	-9.93	-10.48	-16.01	-9.87	-8.96	-9.41	-8.83	-9.87	-8.83	-3.17	-13.27	-11.00	-9.41	-10.03	2.62
11	12.80	5.573	-14.82	-11.12	-12.51	-12.75	-13.55	-16.54	-12.78	-11.84	-11.43	-11.87	-11.87	-11.87	-7.78	-17.25	-13.36	-12.62	-13.03	2.25
12	11.64	6.945	-16.14	-13.06	-15.70	-15.68	-15.05	-19.28	-17.57	-14.33	-13.10	-14.33	-13.10	-15.06	-11.92	-19.91	-15.35	-14.33	-15.26	2.23
13	10.67	7.938	-18.22	-15.07	-17.96	-17.57	-16.59	-21.98	-20.60	-16.17	-14.81	-16.17	-14.81	-17.35	-15.09	-21.65	-17.68	-15.94	-17.32	2.21
14	9.85	11.768	-22.29	-18.85	-22.01	-21.35	-20.69	-26.18	-23.26	-20.60	-18.99	-20.60	-18.99	-21.32	-20.01	-24.84	-21.67	-20.01	-21.37	2.09
15	9.14	15.708	-25.94	-21.66	-24.80	-24.51	-23.98	-27.64	-23.35	-24.14	-22.17	-22.17	-22.17	-24.22	-22.19	-25.39	-25.19	-23.12	-23.97	1.68
16	8.53	14.586	-26.80	-23.04	-25.36	-24.98	-24.92	-27.94	-24.86	-25.12	-23.42	-23.42	-23.42	-24.90	-23.49	-27.04	-25.71	-24.12	-24.96	1.44
17	8.00	9.556	-28.43	-23.44	-26.88	-26.02	-26.52	-28.47	-26.83	-26.76	-24.89	-24.89	-24.89	-26.29	-25.42	-29.77	-26.96	-25.31	-26.43	1.57
18	7.53	6.525	-30.14	-23.75	-28.88	-27.77	-28.56	-29.98	-27.22	-27.73	-26.29	-26.29	-26.29	-28.75	-28.93	-30.51	-29.09	-26.73	-27.87	1.79
19	7.11	5.039	-31.34	-26.58	-30.15	-29.00	-30.48	-33.96	-29.52	-30.94	-28.34	-28.34	-28.34	-29.32	-28.99	-34.19	-30.60	-28.58	-30.02	1.98
20	6.74	4.768	-28.49	-26.40	-29.37	-28.34	-29.54	-34.53	-28.43	-29.91	-27.73	-27.73	-27.73	-28.75	-29.92	-32.60	-30.11	-27.98	-29.23	1.94
21	6.40	3.810	-29.80	-26.42	-31.04	-29.66	-31.91	-34.53	-28.35	-32.34	-29.69	-29.69	-29.69	-30.03	-29.95	-33.14	-32.57	-29.82	-30.59	1.97
22	6.10	2.941	-31.30	-28.24	-30.11	-28.58	-33.85	-39.34	-28.47	-34.30	-30.30	-30.30	-30.30	-29.10	-29.92	-32.60	-30.11	-29.82	-30.59	1.94
23	5.82	2.230	-30.32	-28.24	-30.29	-28.60	-33.96	-43.02	-30.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	2.94
24	5.57	2.325	-27.50	-23.66	-26.38	-24.87	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	2.94
25	5.33	2.077	-24.61	-18.82	-22.92	-20.01	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	2.24
26	5.12	1.466	-24.47	-20.53	-24.90	-20.87	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	3.56
27	4.92	1.209	-27.24	-21.16	-30.36	-25.24	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	2.24
28	4.74	1.088	-21.14	-10.18	-31.86	-22.78	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	3.56
29	4.57	1.015	-12.98	-3.38	-25.85	-17.89	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	2.24
30	4.41	.820	-6.59	-1.19	-21.14	-13.51	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	3.56
31	4.27	.587	-5.09	-2.47	-14.21	-9.34	-28.24	-33.96	-43.02	-34.46	-30.15	-29.87	-29.87	-29.36	-30.92	-33.90	-33.31	-30.37	-31.32	4.81

Table B.46 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 06/02/94 19:00 HOURS Hmo=.35 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm**2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C1B	C2B	C3B	D04	D0C	02D	41D	C24		
2	128.00	537	-67.54	-79.72	-35.65	-61.34	-36.02	-44.12	-1.91	-33.23	-50.85	-50.33	-60.80	-44.62	-36.00	-63.84	-47.19	-51.87	16.86
3	64.00	1071	-56.11	-58.67	-37.66	-48.64	-38.70	-36.06	-40.19	-35.93	-38.75	-38.75	-49.23	-35.45	-49.25	-34.77	-34.77	-43.94	8.58
4	42.67	1211	-48.48	-50.18	-41.11	-45.69	-42.59	-45.74	-51.51	-44.90	-43.44	-43.52	-45.47	-39.10	-49.51	-46.37	-41.26	-45.26	3.45
5	32.00	877	-63.89	-53.65	-63.18	-61.71	-59.23	-65.22	-64.57	-60.31	-59.87	-60.00	-61.48	-57.08	-63.24	-62.08	-57.42	-60.86	3.04
6	25.60	701	-41.82	-39.52	-59.73	-59.22	-40.36	-50.75	-56.15	-40.50	-42.60	-42.25	-58.26	-45.02	-41.33	-56.01	-40.46	-47.59	7.75
7	21.33	860	-32.30	-29.53	-40.84	-40.41	-25.27	-37.53	-36.53	-25.21	-27.49	-29.14	-39.51	-26.09	-36.98	-36.17	-27.84	-32.72	5.59
8	18.29	1259	-26.21	-20.04	-19.58	-19.41	-20.46	-23.45	-12.05	-20.23	-21.17	-22.80	-18.62	-7.93	-37.32	-20.39	-20.65	-20.68	6.14
9	16.00	3719	-17.29	-13.22	-13.98	-13.57	-16.46	-18.41	-6.87	-15.55	-17.13	-18.90	-13.01	-7.77	-32.97	-13.07	-14.74	-15.52	5.72
10	14.22	3719	-13.12	-9.43	-12.54	-12.51	-12.64	-15.38	-12.12	-11.92	-13.24	-15.24	-11.67	-6.54	-25.29	-10.70	-10.45	-12.85	3.93
11	12.80	5957	-15.12	-11.78	-14.48	-15.15	-14.23	-14.72	-21.52	-13.06	-12.01	-10.73	-13.92	-9.83	-19.41	-14.16	-13.10	-14.21	2.91
12	11.64	7312	-17.52	-14.25	-17.62	-18.20	-16.82	-18.21	-21.19	-16.14	-14.30	-12.61	-17.06	-13.86	-18.91	-17.31	-16.21	-16.69	2.13
13	10.67	9715	-21.23	-18.73	-21.22	-21.56	-20.32	-24.40	-21.63	-20.17	-18.66	-17.66	-20.75	-17.77	-23.46	-21.53	-19.91	-20.60	1.84
14	9.85	14586	-25.08	-22.12	-25.06	-24.74	-24.07	-27.85	-25.15	-24.22	-22.62	-22.09	-24.51	-22.77	-26.94	-25.31	-23.36	-24.39	1.60
15	9.14	18351	-26.52	-22.75	-25.80	-25.26	-25.45	-29.45	-24.75	-25.64	-23.97	-23.43	-25.17	-24.16	-26.92	-26.09	-24.49	-25.32	1.56
16	8.53	16320	-26.20	-21.75	-24.67	-24.09	-24.33	-26.61	-22.94	-24.45	-22.53	-22.13	-24.06	-22.77	-25.86	-25.14	-23.21	-24.19	1.75
17	8.00	11597	-25.42	-20.24	-23.92	-23.11	-22.97	-28.69	-22.53	-23.04	-20.65	-20.21	-23.20	-21.71	-25.57	-24.07	-21.78	-23.00	1.86
18	7.53	7597	-25.76	-21.12	-24.85	-23.91	-23.70	-27.92	-24.58	-23.82	-21.38	-21.05	-24.21	-23.16	-27.43	-24.92	-22.37	-24.01	1.99
19	7.11	6211	-27.50	-23.18	-26.68	-25.83	-26.05	-33.64	-26.92	-28.55	-24.83	-24.55	-26.63	-25.14	-28.86	-29.86	-25.34	-26.33	2.50
20	6.74	4588	-29.24	-23.77	-27.29	-26.33	-28.23	-33.72	-33.43	-28.55	-24.83	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	3.31
21	6.40	4077	-29.43	-21.81	-25.76	-24.05	-27.25	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
22	6.10	4172	-26.34	-19.41	-25.01	-23.13	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
23	5.82	3367	-23.11	-17.29	-23.59	-21.77	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
24	5.57	2960	-21.17	-15.53	-21.80	-19.72	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
25	5.33	3236	-18.55	-11.95	-17.54	-14.42	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
26	5.12	3101	-15.40	-7.30	-12.71	-9.31	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
27	4.92	3333	-14.84	-6.00	-13.34	-9.08	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
28	4.74	2606	-11.28	-2.69	-8.48	-4.43	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
29	4.57	2281	-5.85	-1.15	-4.91	-2.51	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
30	4.41	2342	-1.17	1.47	-1.95	-4.0	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48
31	4.27	2035	1.09	3.78	3.35	4.56	-24.89	-33.72	-25.34	-27.57	-23.01	-23.14	-24.91	-24.85	-28.49	-23.65	-26.34	-27.37	2.48

Table B.47 TABLE: POLYGONAL ARRAY - 15 REDUNDANT ESTIMATES OF THE WAVE DIRECTIONAL SPECTRUM PART=6
 PASS=2 06/02/94 22:00 HOURS Hmo= .41 m (Hmo and spectral energy are for gauge 0) NP= 256 SAMIN= .5 NDF=160 UNITS=1
 WINDOW=4 ICOR=1 CUT=.20 TH=21.40 TL=1.99 FORMAT=(8f5.1) FACTOR=1.0

NO	Period (sec)	Energy (cm ² *2)	DIRECTION (degrees) for 15 different gauge triads															Mean dir	Std dev
			012	34C	D03	D24	C1D	4C5	D0E	C81	C82	C80	D04	D0C	02D	41D	C24		
2	128.00	678	-21.24	-69.40	-46.92	-55.36	-43.36	-76.08	-41.02	-58.53	-63.75	-59.03	-54.00	-30.61	-45.26	-49.66	-55.71	-52.85	12.44
3	64.00	1201	-29.61	-56.53	-46.66	-56.11	-44.08	-40.45	-54.30	-46.32	-49.02	-44.19	-53.82	-42.31	-20.25	-53.89	-45.07	-45.56	9.64
4	42.67	1307	-48.66	-60.37	-63.37	-67.49	-58.42	-43.11	-59.49	-64.25	-64.21	-60.36	-66.74	-54.89	-36.71	-67.31	-53.08	-57.93	8.83
5	32.00	866	-69.58	-53.35	-68.06	-67.23	-62.56	-52.89	-63.15	-70.01	-66.93	-65.69	-67.17	-59.60	-66.55	-67.71	-53.78	-63.63	5.76
6	25.60	736	-43.27	-21.72	-39.58	-38.37	-31.39	-35.41	-47.86	-32.21	-27.81	-29.54	-37.47	-26.29	-42.94	-36.91	-28.23	-34.60	7.01
7	21.33	888	-18.21	-3.18	-14.23	-11.89	-12.98	-21.67	-18.10	-12.72	-12.75	-15.28	-11.35	-2.60	-22.34	-12.88	-10.91	-12.41	5.37
8	18.29	1503	-15.85	-8.84	-11.02	-10.29	-13.74	-18.60	-8.0	-13.50	-14.94	-17.67	-9.34	-4.2	-21.65	-11.76	-11.66	-13.01	5.65
9	16.00	2315	-18.96	-14.39	-14.94	-16.95	-16.46	-20.50	-11.40	-15.55	-16.60	-18.73	-14.40	-3.12	-28.54	-14.32	-14.24	-15.94	5.13
10	14.22	3982	-13.24	-11.23	-11.48	-13.65	-12.44	-17.02	-10.65	-11.34	-11.96	-12.53	-11.57	-4.78	-19.50	-10.98	-10.37	-12.18	3.11
11	12.80	6438	-15.07	-12.47	-13.46	-14.74	-13.22	-18.10	-16.20	-12.45	-11.86	-11.82	-13.25	-7.76	-17.85	-13.66	-12.20	-13.61	2.50
12	11.64	9226	-19.79	-16.09	-18.73	-18.38	-17.30	-22.47	-19.47	-17.14	-16.28	-17.28	-18.10	-14.89	-23.74	-18.46	-16.64	-18.32	2.27
13	10.67	12613	-22.93	-18.91	-22.83	-21.92	-20.45	-24.51	-23.16	-20.39	-19.13	-19.81	-22.05	-20.08	-26.94	-21.98	-19.82	-21.66	2.13
14	9.85	17367	-24.94	-21.07	-23.89	-23.35	-23.12	-25.05	-26.17	-23.18	-21.94	-22.18	-23.55	-22.43	-27.84	-23.92	-22.53	-23.71	1.69
15	9.14	20399	-25.36	-22.36	-24.90	-24.24	-24.13	-28.40	-25.71	-24.30	-22.95	-21.91	-23.19	-22.71	-26.77	-23.67	-22.32	-23.62	1.59
16	8.53	20081	-25.46	-22.27	-24.92	-24.42	-24.80	-28.95	-25.11	-25.01	-22.80	-21.91	-24.42	-23.32	-26.76	-24.88	-23.38	-24.47	1.63
17	8.00	13581	-25.95	-22.27	-24.90	-23.66	-25.97	-30.00	-26.05	-26.20	-22.95	-22.86	-24.18	-24.31	-28.89	-25.98	-23.45	-25.26	2.36
18	7.53	8815	-28.12	-21.00	-25.27	-23.66	-25.64	-30.13	-25.96	-25.83	-21.94	-22.13	-23.24	-24.14	-29.54	-25.50	-22.27	-24.70	2.82
19	7.11	7847	-27.69	-19.68	-24.44	-22.37	-25.64	-30.27	-25.35	-24.66	-20.55	-20.99	-22.93	-23.62	-28.72	-25.45	-21.07	-23.87	2.89
20	6.74	6460	-24.80	-19.15	-23.93	-21.96	-22.08	-30.59	-22.70	-22.99	-19.72	-19.51	-22.66	-22.57	-26.44	-25.28	-20.53	-22.83	2.80
21	6.40	6887	-21.57	-19.65	-23.24	-22.08	-22.94	-30.59	-22.70	-22.99	-19.72	-19.51	-22.66	-22.57	-26.44	-25.28	-20.53	-22.83	2.80
22	6.10	6603	-19.22	-16.28	-18.85	-17.51	-17.95	9999.99	-18.46	-17.73	-16.45	-15.95	-18.11	-18.39	-22.82	-19.59	-17.39	-18.19	1.65
23	5.82	6112	-14.23	-11.00	-14.29	-10.82	-8.93	9999.99	-14.23	-8.31	-11.01	-9.94	-13.17	-13.81	-17.36	-9.69	-12.12	-12.20	2.43
24	5.57	5698	-11.67	-8.25	-10.47	-9.18	-2.02	9999.99	-12.52	1.01	-5.25	-2.81	-11.14	-11.30	-13.73	-2.83	-7.62	-7.84	4.78
25	5.33	5167	-8.25	-7.78	-10.47	-9.18	2.02	9999.99	-10.12	3.49	-3.48	-2.0	-9.26	-9.26	-11.30	-3.9	-6.06	-5.74	4.85
26	5.12	5580	-9.64	-5.60	-9.19	-7.15	4.29	9999.99	-10.06	5.85	-1.07	1.32	-7.41	-7.99	-11.34	3.95	-4.42	-4.24	5.67
27	4.92	6412	-6.90	-3.99	-9.14	-7.61	5.80	9999.99	-10.03	7.40	1.07	4.29	-7.51	-7.66	-9.98	5.10	-1.76	-2.93	6.20
28	4.74	6805	-4.45	-1.46	-5.66	-4.15	5.53	9999.99	-5.99	6.97	4.11	5.70	-4.28	-4.19	-7.72	5.10	1.11	-6.7	5.01
29	4.57	5598	1.64	2.79	-8.7	89	838	9999.99	-0.7	9.80	7.85	8.97	8.1	66	-3.39	6.82	4.41	3.48	4.05
30	4.41	4293	7.52	6.02	1.24	2.54	928	9999.99	1.76	11.68	12.12	13.18	2.88	3.28	-1.21	5.14	6.93	5.88	4.29
31	4.27	3940	9.21	5.71	2.00	2.42	1036	9999.99	.90	13.38	14.81	15.47	2.85	3.73	-1.09	5.28	8.92	6.71	5.16

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