

港 灣 技 研 資 料

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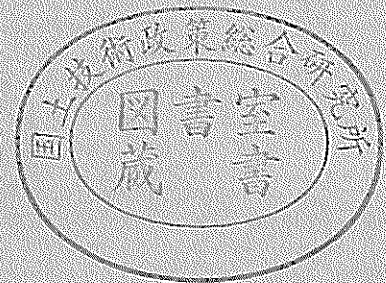
ANNUAL REPORT ON STRONG MOTION EARTHQUAKE
RECORDS IN JAPANESE PORTS, SUPPLEMENTARY
(1963 through 1975, Vertical component)

by Eiichi Kurata, Susumu Iai, and Hajime Tsuchida

〔 港灣地域強震觀測年報，補遺（1963～1975，上下動成分） 〕

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港湾地域強震観測年報補遺 (1963～1975, 上下動成分)

倉 田 栄 一 *
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土 田 肇 **

要 旨

1963年より1975年までの港湾地域強震観測年報では、原則として、地盤上の記録で、水平加速度の2つの成分のうちいずれかの成分の最大値が50 gal 以上の記録について、その水平動成分を数字化して発表してきた。しかし、近年になって、研究上あるいは設計上、地震の上下動成分が注目されるようになり、この要請に応えるため、従年の年報に準じて、上下動成分を数字化して発表することとした。発表の対象とした記録は、1963年から1975年までに得られた地盤上の記録で、2つの水平動成分のうちどちらかの成分の最大加速度が50 gal 以上で、かつ、上下動成分の最大加速度が20 gal 以上である記録とした。ただし、例外として、記録番号S-98とS-265の2つの記録は、原記録が不鮮明であること等の理由により数字化困難なため発表しなかった。数字化にあたっては、既に数字化された水平動成分の時刻ゼロに、上下動成分の時刻ゼロが対応するように留意した。図表の書式や数字化、解析の方法は既刊の港湾地域強震観測年報に準じているので、それを参照することができる。

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ANNUAL REPORT ON STRONG MOTION EARTHQUAKE RECORDS
IN JAPANESE PORTS, SUPPLEMENTARY,
(1963 through 1975, Vertical Component)

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Hajime Tsuchida**

Synopsis

Digitized data of vertical ground accelerations, their response spectra, and their Fourier spectra are presented corresponding to the data of horizontal ground accelerations in "Annual Reports on Strong-Motion Earthquake Records in Japanese Ports" having been published since 1963. They are the records of 1963 through 1975 whose maximum horizontal component accelerations exceed 50 gals and at the same time whose maximum vertical component accelerations exceed 20 gals. 28 records are presented.

The format of the data and the procedures to digitize the records in this report are almost the same as those in the previous annual reports.

1. Introduction

The first issue in the series of "Annual Report on Strong Motion Earthquake Records in Japanese Ports" was published in 1968 for the record obtained during the period January 1963 and December 1964.¹⁾ At the time of the publication, in earthquake engineering practices the

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structural response was calculated mostly to only horizontal ground accelerations. Also in research activities a great majority of the efforts was devoted to analyzing horizontal ground motions. Being reflecting such a circumstance, the annual report included digitized data of horizontal components of ground accelerations, but did not include data of a vertical component. Since the first issue 10 annual reports for the records during the period January 1965 through December 1975 and one special report on the 1968 Tokachi-oki earthquake of magnitude 7.9 were published.²⁾⁻¹²⁾ They are all in the same format except that four reports are in Japanese and the rest are in English and that minor changes were made in the listing of the digitized data and in the reproduction of records.

Now it is needless to note that the digitized data of vertical ground accelerations are very important in analyzing characteristics of ground motions and in estimating structural response to vertical ground motions. Such analyses and estimation are carried out elsewhere by researchers and engineers. The authors' laboratory received many times requests for distributing the digitized data and the response spectra of vertical ground motions. To implement such increasing request the authors decided to digitize vertical components of major records which have been accumulated in the laboratory and compile a supplementary report to the previous annual reports. As a result this report is created.

Since this report is intended to supplement the digitized data of vertical ground motions to the previously published annual reports and the special report on the 1968 Tokachi-oki earthquake, the format of this report and the procedure of digitization are almost equal to those in the previous reports. Explanations on the format and the procedure are available in any of the previous reports. Users of this report are requested to refer to any issue in the annual report series. The latest issue in English is the annual report for 1974¹⁰⁾, and that in Japanese is the annual report for 1975.

2. Vertical Ground Acceleration Records

The vertical ground acceleration records with maximum horizontal component accelerations exceeding 50 gals and with maximum vertical ones exceeding 20 gals at the same time are digitized and presented in this report. All the records were obtained in the SMAC-B2 accelerographs. The records are listed in Table "Records and Earthquake Data" which is in the later part of this report. The digitized data of horizontal ground accelerations of those records have already been published in the annual reports or in the special report on the 1968 Tokachi-oki earthquakes.

There are two exceptional records which have not been digitized. One is the record S-265 whose maximum horizontal component acceleration is 258 gals. The record was obtained in the instrument located in Wakayama Port (Station name: Wakayama-ji-S) during the earthquake on March 30, 1968 and of magnitude 5.5. The maximum vertical component acceleration is 405 gals. In the vertical component of the record, however, waves of short periods are predominant, and velocity of the recording stylus was so large that the trace was not clearly left. It is not possible to digitize the vertical component of this record. The reproduction of the accelerogram is included in the annual report for 1968.⁴⁾ It will be noted that in spite of the very large accelerations, no damage to the facilities in Wakayama Port was reported. The other exceptional record is the record S-98. In this case there is a difficulty to find the starting point of digitization of the vertical component so as to make it correspond to that of the horizontal components.

3. Observation Results and Preliminary Analyses

(1) Records and Earthquake Data

The data sections titled as "Observation Results and Preliminary Analyses" in the previous reports begin with the catalogs of the records classified by the events, in which data of earthquakes such as dates and

times, epicenter locations, magnitudes, etc. are given together. In this report, however, only the records of the maximum horizontal component accelerations exceeding 50 gals are collected, and all the necessary earthquake data have been presented in the previous annual reports. Therefore, the usual catalog is replaced by a simplified list, "Records and Earthquake Data". In the list, numbers of the references in which the digitized data of horizontal ground acceleration of the earthquakes are shown. Also the references for the site conditions are shown in the similar way. The numbers of references in the list are numbers of the Technical Note of the Port and Harbour Research Institute, and the numbers of references in parentheses are the numbers in the reference list at the end of the test.

(2) Analog Records

The analog records in this report are computer plots of the digitized data. For user's convenience the analog records of horizontal components are shown together with that of a vertical component.

(3) Response and Fourier Spectra

Response spectra are given in numerical tables for five damping factors as well as in figures for a damping factor of 0.05. In the figures the spectrum curves of a vertical component are shown with those of NS component for comparison purpose.

(4) Digitized Data

The digitized data are given at equal time intervals of 0.01 second; and the unit is 0.1 gal. The origin of digitized data of vertical component is exactly identical with that of horizontal components. Relative dislocation among styluses of recording pens of three components has been taken into consideration.

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- 2) Hajime Tsuchida, Teiichiro Yamada, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1965 and 1966), Technical Note of Port and Harbour Research Institute No. 62, December 1968, 145p.
- 3) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1967), Technical Note of Port and Harbour Research Institute No. 64, March 1969, 182p.
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- 13) Hajime Tsuchida, Teiichiro Yamada and Eiichi Kurata: Site Characteristics of Strong-Motion Earthquake Stations in Ports and Harbours in Japan (Part 1), Technical Note of Port and Harbour Research Institute No. 34, November 1967, 306p.
- 14) Eiichi Kurata, Hajime Tsuchida and Katsuko Sudo: Site Characteristics of Strong-Motion Earthquake Stations in Ports and Harbours in Japan (Part 2), Technical Note of the Port and Harbour Research Institute, No. 107, December 1970, 87p.
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**OBSERVATION RESULTS
AND
PRELIMINARY ANALYSES**

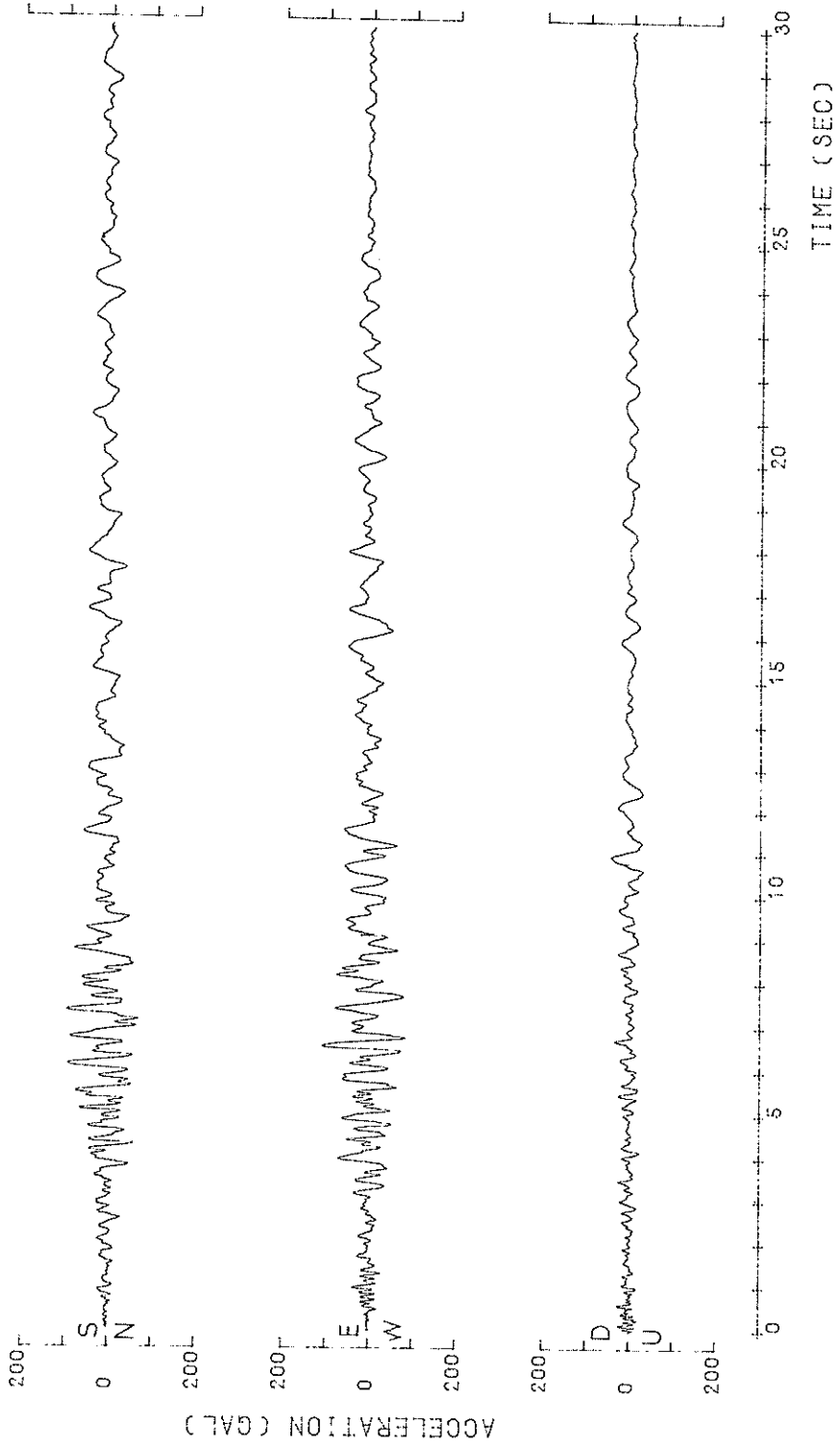
RECORDS AND EARTHQUAKE DATA

Record No.	Station name	Event			Max. accel. (gal)			Reference*	
		Date & time	Location	Magnitude	NS	EW	UD	Horiz. data	Site cond.
S-74	Shimizu-kojyo-S	April 20, 1965 08:42 JST	Near Shizuoka 34.9°N, 138.4°E, Depth=40km, Mag.=6.1	95	107	43	62 (2)	34 (13)	
S-211	Kochi-S	April 1, 1968 09:42 JST	Hyuganada 32.3°N, 132.6°E, Depth=40km, Mag.=7.5	64	97	31	98 (4)	34 (13)	
S-213	Hososhima-S	April 1, 1968 09:42 JST	Hyuganada 32.3°N, 132.6°E, Depth=40km, Mag.=7.5	182	242	47	98 (4)	34 (13)	
S-234	Muroran-S	May 16, 1968 09:49 JST	E off Honshu 40.7°N, 143.7°E, Depth= 0km, Mag.=7.9	205	135	70	80 (12)	34,107 (13)(14)	
S-235	Aomori-S	May 16, 1968 09:49 JST	E off Honshu 40.7°N, 143.7°E, Depth= 0km, Mag.=7.9	208	180	137	80,116 (12)(6)	107 (14)	
S-236	Miyako-S	May 16, 1968 09:49 JST	E off Honshu 40.7°N, 143.7°E, Depth= 0km, Mag.=7.9	112	97	31	80 (12)	34,107 (13)(14)	
S-252	Hachinohe-S	May 16, 1968 09:49 JST	E off Honshu 40.7°N, 143.7°E, Depth= 0km, Mag.=7.9	233	181	119	80 (12)	34,107 (13)(14)	
S-241	Muroran-S	May 16, 1968 19:39 JST	E off Aomori Pref. 41.4°N, 142.9°E, Depth=40km, Mag.=7.5	95	75	32	80 (12)	34,107 (13)(14)	
S-264	Aomori-S	May 16, 1968 19:39 JST	E off Aomori Pref. 41.4°N, 142.9°E, Depth=40km, Mag.=7.5	66	86	29	80 (12)	107,156 (14)(15)	
S-312	Miyako-S	June 12, 1968 22:42 JST	Off Iwate Pref. 39.4°N, 143.1°E, Depth= 0km, Mag.=7.2	110	98	30	80 (12)	34,107 (13)(14)	
S-340	Shinagawa-S	July 1, 1968 19:45 JST	Middle of Saitama Pref. 36.0°N, 139.5°E, Depth=50km, Mag.=6.1	67	113	20	98 (4)	34,107 (13)(14)	
S-364	Hiroshima-S	August 6, 1968 01:17 JST	W coast of Ehime Pref. 33.3°N, 132.4°E, Depth=40km, Mag.=6.6	61	48	22	98 (4)	34 (13)	
S-453	Hososhima-S	April 21, 1969 16:19 JST	Hyuganada 32.2°N, 132.1°E, Depth=10km, Mag.=6.5	63	98	25	100 (5)	34 (13)	
S-537	Miyako-S	April 1, 1970 23:23 JST	Coast of Iwate Pref. 39.8°N, 142.1°E, Depth=80km	115	89	40	116 (6)	34,107 (13)(14)	
S-544	Hososhima-S	July 26, 1970 07:41 JST	Off Miyazaki Pref. 32.1°N, 132.0°E, Depth=10km Mag.=6.7	88	122	30	100 (5)	34 (13)	

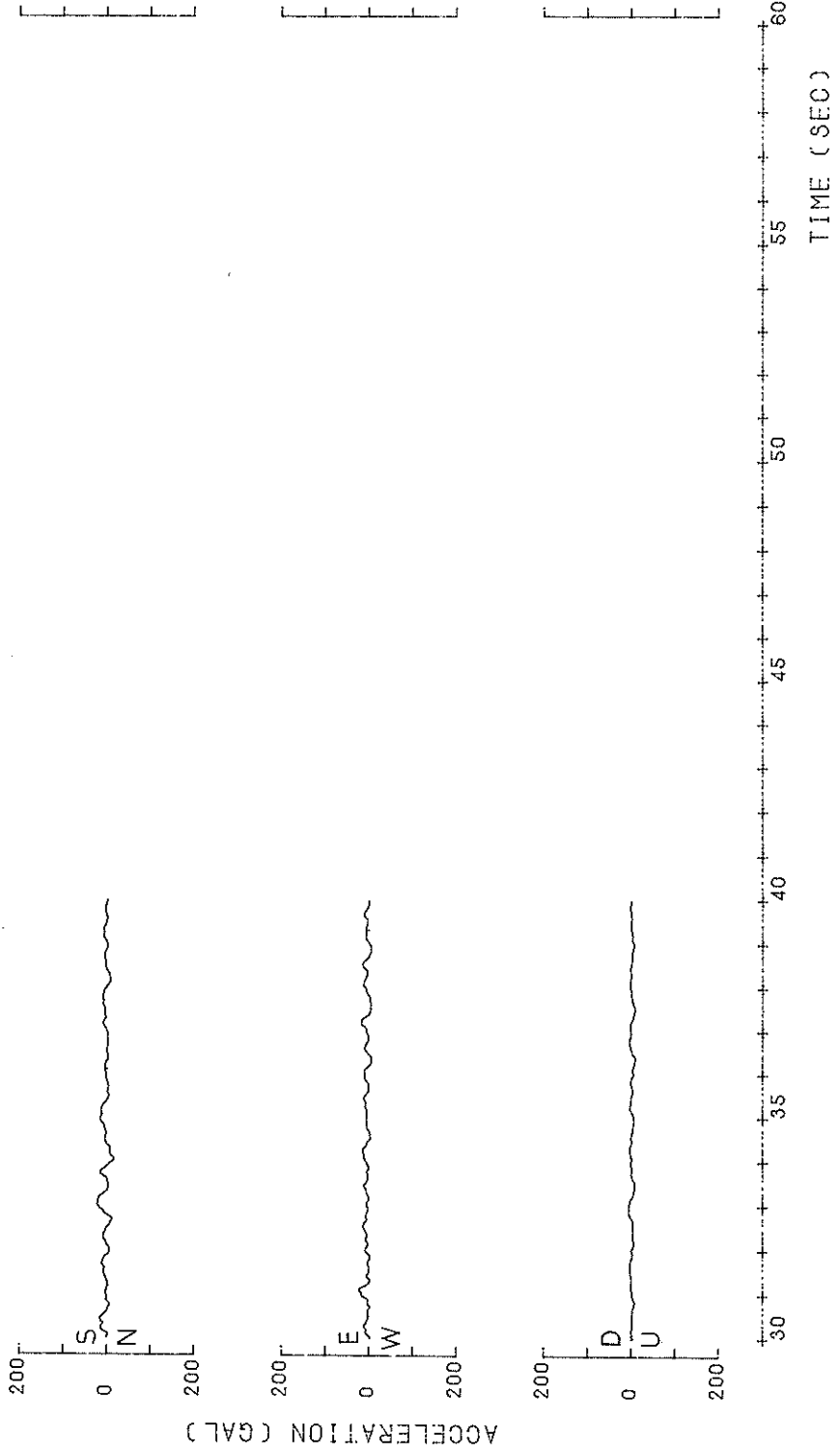
Record No.	Station name	Event			Max. accel. (gal)			Reference*	
		Data & time	Location	Magnitude	NS	EW	UD	Horiz. data	Site cond.
S-554	Ofunado-bochi-S	September 14, 1970 18:45 JST	Off Miyagi Pref. 38.7°N, 142.3°E, Depth=40km	Mag. =6.2	25	66	21	100 (5)	34,107 (13)(14)
S-577	Yokka-chitose-S	January 5, 1971 06:09 JST	Coast of Aichi Pref. 34.4°N, 137.2°E, Depth=40km	Mag. =6.1	86	79	35	136 (6)	107 (14)
S-585	Kinuura-S	January 5, 1971 06:09 JST	Coast of Aichi Pref. 34.4°N, 137.2°E, Depth=40km	Mag. =6.1	81	76	24	136 (6)	107 (14)
S-634	Kushiro-S	August 2, 1971 16:25 JST	Off Erimomisaki 41.2°N, 143.7°E, Depth=60km	Mag. =7.0	68	65	22	136 (6)	34 (13)
S-669	Hachinohe-S	March 20, 1972 00:58 JST	E off Aomori Pref. 40.9°N, 142.0°E, Depth=80km		54	45	22	160 (6)	34,107 (13)(14)
S-670	Aomori-S	March 20, 1972 00:58 JST	E off Aomori Pref. 40.9°N, 142.0°E, Depth=80km		50	56	22	160 (8)	107,156 (14)(15)
S-674	Kushiro-S	May 11, 1972 09:45 JST	Off Kushiro 42.6°N, 144.9°E, Depth=60km	Mag. =5.8	94	66	25	160 (8)	34 (13)
S-733	Kushiro-S	June 17, 1973 12:55 JST	Off Nemuro Pen. 43.0°N, 146.0°E, Depth=40km	Mag. =7.4	166	120	51	181 (9)	34 (13)
S-782	Shiogama-kojyo-S	November 19, 1973 22:02 JST	Off Miyagi Pref. 38.8°N, 142.2°E, Depth=50km	Mag. =6.4	46	56	26	181 (9)	107,156 (14)(15)
S-786	Ofunado-bochi-S	November 19, 1973 22:02 JST	Off Miyagi Pref. 38.8°N, 142.2°E, Depth=50km	Mag. =6.4	37	61	21	181 (9)	34,107 (13)(14)
S-882	Kashima-ji-S	November 16, 1974 08:32 JST	Off Choshi 35.8°N, 141.2°E, Depth=40km	Mag. =6.1	68	75	24	202 (10)	156 (15)
S-924	Oita-S	April 21, 1975 02:35 JST	Central Oita Pref. 33.1°N, 131.3°E, Depth= 0km	Mag. =6.4	45	71	29	236 (11)	156 (15)
S-945	Wakayama-S	September 24, 1975 10:43 JST	Near Wakayama 34.2°N, 135.1°E, Depth= 0km	Mag. =6.4	36	70	24	236 unpublished (11)	

* Numbers in these columns are numbers of the Technical Note of Port and Harbour Research Institute, and numbers in () are corresponding to the numbers in the list of references at the end of text.

S-74 SHIMIZU-KOJYO-S 1965-04-20-08-42

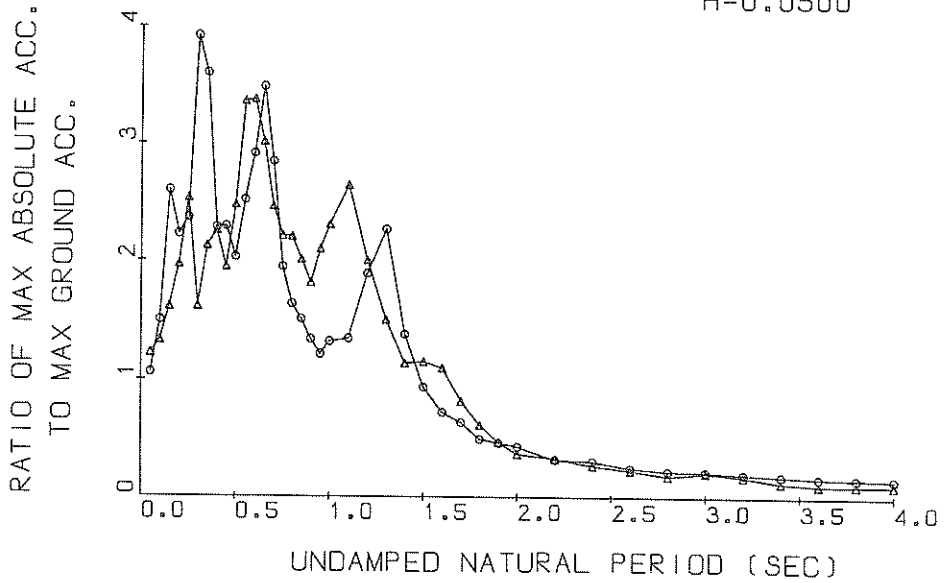


S-74 SHIMIZU-KOJYO-S 1965-04-20-08-42



S-74 SHIMIZU KOJYO-S
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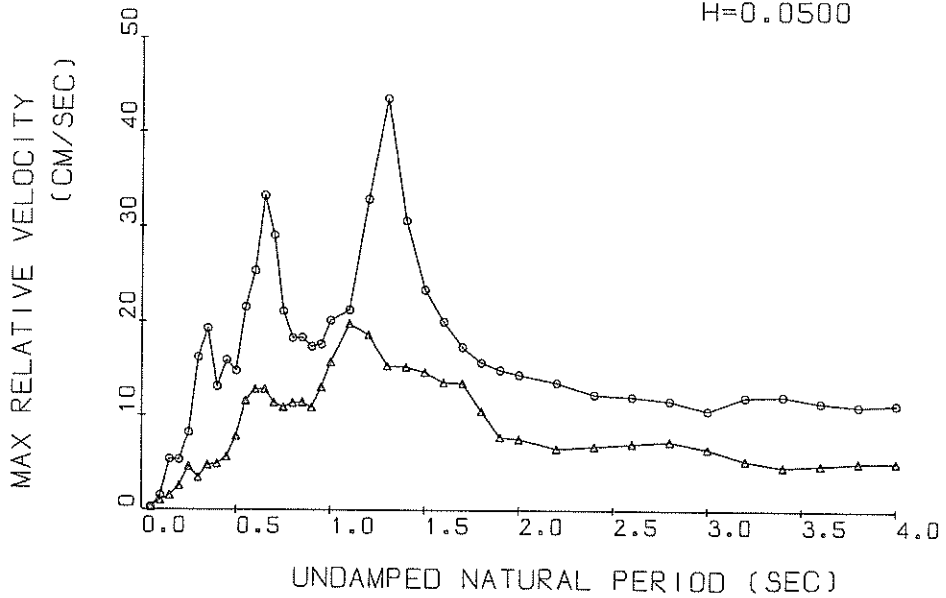
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△ U-D
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Response Spectra

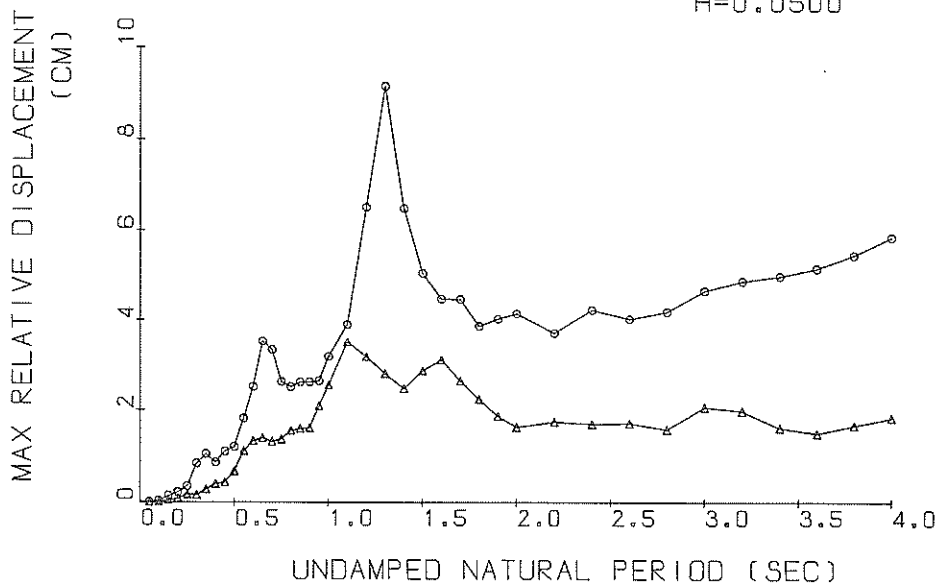
S-74 SHIMIZU KOJYO-S
1965-04-20-08-42

○ N-S
△ U-D
H=0.0500



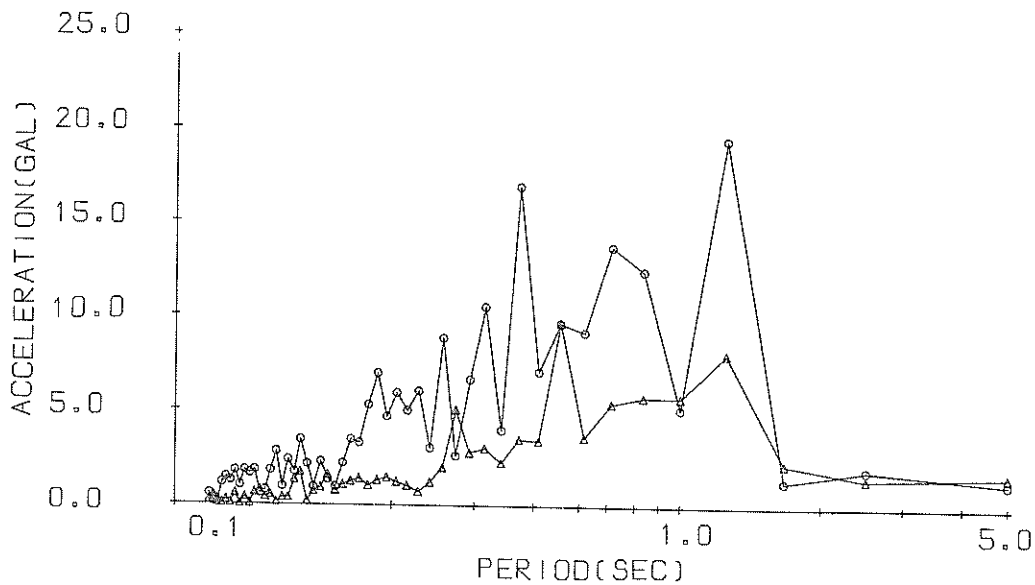
Response Spectra

S-74 SHIMIZU KOJYO-S ◦ N-S
 1965-04-20-08-42 ▲ U-D
 H=0.0500



Response Spectra

S-74 ◦ N-S TSK=7.00 TUS=5.00
 ▲ U-D TSK=7.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-74 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = SHIMIZU-KOJYO-S
 DATE AND TIME = 1965-04-20-08-42 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 43.46 (GAL)
 TIME LENGTH = 30.00 (SEC) SKIPPED LENGTH = 0. (SEC)

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	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	137.4	0.85	0.009	59.7	0.34	0.004	53.3	0.28	0.003	47.1	0.20	0.003	43.6	0.15	0.003					
0.10	216.6	3.10	0.055	71.1	1.16	0.018	57.9	0.94	0.015	49.0	0.68	0.012	45.1	0.42	0.011					
0.15	310.9	7.04	0.177	88.3	1.91	0.051	70.0	1.49	0.040	56.8	1.12	0.032	46.6	0.70	0.026					
0.20	382.1	9.55	0.306	118.4	3.44	0.120	85.4	2.48	0.087	63.7	1.69	0.064	48.7	1.15	0.049					
0.25	401.4	15.97	0.636	159.3	6.30	0.251	109.9	4.27	0.173	75.8	3.03	0.147	47.4	1.54	0.074					
0.30	305.1	13.45	0.696	105.2	4.89	0.239	70.2	3.35	0.159	53.0	2.31	0.120	47.5	1.48	0.106					
0.35	224.2	11.99	0.696	119.6	6.23	0.370	92.4	4.68	0.285	64.2	3.07	0.197	48.7	1.74	0.149					
0.40	155.8	9.75	0.631	115.5	5.95	0.468	98.0	4.80	0.396	75.2	3.44	0.302	56.6	2.38	0.222					
0.45	178.0	11.96	0.913	104.0	7.30	0.533	84.7	5.57	0.432	75.3	4.45	0.383	63.0	3.25	0.308					
0.50	204.2	15.17	1.293	145.0	10.76	0.917	107.3	7.74	0.678	88.5	6.17	0.554	67.1	4.11	0.398					
0.55	411.8	35.37	3.155	180.8	14.58	1.384	146.2	11.57	1.116	106.1	8.37	0.801	68.2	4.84	0.483					
0.60	348.8	32.35	3.180	192.6	17.99	1.755	146.9	12.79	1.334	100.1	8.25	0.898	66.2	5.31	0.552					
0.65	484.5	50.08	5.185	167.9	16.30	1.796	131.0	12.80	1.396	91.1	8.63	0.958	63.4	5.66	0.615					
0.70	400.4	44.38	4.969	134.3	14.95	1.666	106.8	11.37	1.320	88.3	8.75	1.075	60.8	6.01	0.678					
0.75	161.2	19.71	2.297	102.3	12.04	1.457	96.2	10.87	1.363	83.6	9.16	1.169	58.5	6.35	0.744					
0.80	197.6	25.67	3.203	107.8	13.18	1.746	95.9	11.30	1.546	79.7	9.66	1.268	56.4	6.66	0.810					
0.85	110.4	14.30	2.021	96.9	12.50	1.771	87.5	11.42	1.594	74.3	9.91	1.332	54.4	6.93	0.876					
0.90	101.6	14.68	2.084	90.2	11.25	1.849	78.9	10.83	1.611	68.8	10.00	1.382	52.7	7.15	0.943					
0.95	218.5	33.11	4.996	112.6	17.67	2.570	91.4	12.98	2.080	69.6	10.72	1.563	51.2	7.34	1.012					
1.00	226.7	35.92	5.741	118.1	20.11	2.988	100.4	15.66	2.532	73.3	11.94	1.824	49.8	7.45	1.080					
1.10	235.0	41.14	7.201	156.1	27.07	4.779	114.8	19.82	3.501	76.5	13.66	2.289	46.3	7.70	1.192					
1.20	167.1	32.59	6.094	113.8	22.25	4.145	87.3	18.64	3.165	63.9	13.68	2.271	41.1	8.48	1.237					
1.30	173.2	36.90	7.413	82.9	19.05	3.544	65.4	15.28	2.782	49.8	13.03	2.068	34.7	8.85	1.199					
1.40	74.5	17.44	3.697	62.4	16.37	3.092	49.8	15.16	2.459	42.6	12.90	2.061	30.0	8.79	1.268					
1.50	96.0	23.22	5.474	56.5	16.51	3.212	50.5	14.60	2.853	41.1	12.40	2.263	27.9	8.57	1.326					
1.60	88.0	24.61	5.706	58.9	16.06	3.810	48.1	13.53	3.089	36.3	10.40	2.262	25.0	7.71	1.314					
1.70	64.9	19.34	4.752	44.3	15.82	3.240	36.1	13.43	2.628	27.3	10.47	1.917	21.7	6.96	1.244					
1.80	43.2	14.35	3.547	32.4	11.27	2.652	27.2	10.48	2.221	20.9	9.20	1.685	18.6	6.61	1.144					
1.90	29.9	11.45	2.732	24.3	9.13	2.216	20.6	7.69	1.865	16.6	7.72	1.441	16.0	6.47	1.041					
2.00	27.2	10.96	2.751	19.2	8.09	1.943	16.2	7.46	1.621	14.2	6.72	1.349	14.2	6.28	1.020					
2.20	19.3	7.91	2.363	16.6	6.91	2.027	14.4	6.49	1.744	11.4	6.36	1.326	12.1	5.96	0.994					
2.40	18.4	8.93	2.683	14.3	7.39	2.076	11.8	6.74	1.695	9.4	6.44	1.338	10.3	5.77	0.937					
2.60	15.2	8.23	2.611	12.0	7.18	2.053	10.1	6.99	1.712	8.1	6.58	1.339	8.6	5.64	0.945					
2.80	12.8	8.53	2.548	9.2	7.75	1.818	8.0	7.22	1.573	7.2	6.55	1.371	7.2	5.59	1.065					
3.00	13.0	7.21	2.972	10.7	6.77	2.421	9.2	6.48	2.062	7.6	6.10	1.641	6.8	5.46	1.164					
3.20	9.9	6.45	2.556	8.5	5.46	2.208	7.7	5.22	1.972	6.8	5.44	1.666	6.5	5.30	1.228					
3.40	5.1	5.40	1.500	5.4	4.90	1.566	5.6	4.62	1.608	5.7	5.02	1.563	6.0	5.14	1.263					
3.60	4.5	5.55	1.482	4.3	5.10	1.398	4.6	4.79	1.494	5.0	4.93	1.519	5.6	5.01	1.283					
3.80	5.0	5.51	1.827	4.8	5.23	1.734	4.6	5.08	1.670	4.6	4.97	1.566	5.2	4.91	1.294					
4.00	5.7	5.61	2.295	5.0	5.30	2.017	4.6	5.12	1.837	4.4	4.94	1.619	4.8	4.86	1.296					

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-74 COMPONENT = U-D STATION = SHINJIZU-KOJYO-S
 DATE AND TIME = 1955-04-20-08-12 TOTAL NUMBER OF DATA = 4000
 SAMPLING INTERVAL = 0.010 (SEC) UPPER = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-4	-6	-44	-85	-43	117	122	17	-5	-7
10	-145	65	156	210	217	136	176	-24	-107	-114
20	-101	6	18	96	34	-106	-117	-106	-96	-120
30	-138	59	86	96	57	-25	-117	-119	-120	-120
40	174	142	13	37	-25	78	85	35	28	28
50	35	57	-4	-80	-86	0	130	217	246	245
60	183	102	25	-40	-93	-64	-37	-37	35	35
70	-34	-64	-64	-3	-25	-27	-58	-85	-77	-77
80	-37	-35	-25	6	-38	-45	-85	-177	-175	-175
90	57	84	76	15	-38	118	-134	-165	-177	-177
100	-148	-25	35	69	120	146	143	117	28	66
110	56	55	55	55	55	37	69	56	58	58
120	49	45	28	20	20	35	67	115	128	105
130	64	15	-35	-54	-85	-103	-13	-106	-75	-44
140	-24	-55	-24	-30	-37	-43	-36	-26	-19	-17
150	-17	-17	-17	-17	-17	97	97	97	96	96
160	75	76	67	55	48	47	37	34	77	89
170	6	3	-4	43	19	36	24	54	53	25
180	9	-14	0	-24	-34	-27	-35	-47	87	118
190	115	74	45	19	15	-17	-28	-27	-27	-26
200	-15	7	15	14	14	16	17	6	54	57
210	-15	-25	-26	-27	-27	-27	-27	-27	-27	-27
220	46	16	-26	-55	-57	-56	-73	-4	34	34
230	-48	-67	-88	-84	-99	-84	-73	-37	-56	-47
240	14	35	47	34	17	-65	-65	-34	77	89
250	107	121	134	146	148	127	5	34	77	89
260	-55	-69	-80	-86	-88	-87	-69	-54	-19	-15
270	-9	8	-64	-37	74	117	116	57	53	19
280	-6	-64	-96	-137	142	130	132	-19	-15	-15
290	170	189	190	192	182	184	184	184	184	184
300	114	67	-20	25	54	86	54	48	47	47
310	44	35	35	-101	-73	15	100	115	138	138
320	-65	-84	-95	-101	-73	19	7	6	-36	6
330	86	86	66	36	36	-1	44	68	77	6
340	55	67	72	86	106	115	115	7	35	35
350	121	33	-16	-47	-75	187	250	232	190	6
360	-47	-34	-45	-44	-88	-99	-85	-71	-87	-87
370	-44	-37	-37	-24	-34	-99	-85	-85	-85	-85
380	44	54	-9	-17	-21	6	18	31	44	44
390	5	-9	-17	-21	4	27	45	58	45	24
400	86	106	136	157	174	111	123	14	51	14
410	-106	-140	-140	-140	-140	-84	-84	-31	-85	-85
420	420	123	117	105	85	237	-172	172	172	172
430	123	117	105	85	15	144	158	166	163	163
440	-16	-27	-27	-32	-32	27	16	44	-15	-17
450	33	19	-34	-14	-14	35	44	71	55	54
460	-6	37	17	20	20	-41	-37	-35	-24	-24
470	43	37	36	32	28	34	44	54	53	49
480	4	8	12	16	16	22	14	2	3	16
490	-11	-7	8	20	42	42	52	64	77	90
500	106	123	117	112	84	2	-29	-68	-87	-95

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-74 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1056	-194	-187	-185	-185	-190	-219	-239	-257	-271	-278
1057	-288	-293	-288	-282	-273	-251	-221	-216	-87	-66
1070	0	210	251	48	56	317	75	96	125	133
1080	386	400	409	417	428	434	424	400	377	345
1100	304	281	222	184	144	105	68	64	47	47
1110	-87	-126	-148	-164	-180	-187	-200	-208	-208	-210
1120	-214	-219	-237	-245	-245	-245	-266	-265	-262	-256
1130	-255	-249	-244	-253	-201	-172	-143	-133	-119	-88
1140	-77	-67	-55	-45	-43	-36	-24	-24	-4	-3
1150	17	9	30	45	55	56	65	65	47	47
1160	27	18	16	15	-27	-38	-50	-66	-70	-76
1170	-76	-66	-57	-63	-57	-54	-52	-46	-44	-44
1180	-43	-36	-36	-37	-9	-5	5	7	25	36
1190	45	34	66	69	75	179	97	106	115	126
1200	127	137	143	137	144	155	176	206	226	248
1210	261	285	284	273	266	263	254	246	242	231
1220	218	207	194	187	176	152	124	115	84	34
1230	3	24	-52	-88	-125	-161	-171	-198	-221	-242
1240	-258	-267	-270	-282	-286	-286	-285	-284	-279	-276
1250	-268	-264	-256	-248	-236	-226	-215	-202	-195	-184
1260	-167	-147	-124	-105	-90	-81	-66	-47	-37	-26
1270	-5	17	32	47	49	63	75	95	104	113
1280	125	143	154	157	156	154	154	163	164	168
1290	175	177	174	166	165	164	151	146	134	124
1300	113	104	92	83	77	74	63	53	52	53
1310	44	41	45	53	54	63	66	73	74	74
1320	82	91	98	103	103	109	113	117	125	126
1330	134	131	124	121	112	93	73	53	32	11
1340	-10	-32	-49	-56	-59	-59	-59	-66	-71	-77
1350	-81	-87	-82	-98	-111	-130	-140	-169	-147	-146
1360	-140	-139	-136	-122	-119	-112	-109	-109	-111	-120
1370	-119	-121	-122	-122	-119	-112	-103	-98	-81	-73
1380	-48	-50	-58	-50	-41	-38	-37	-40	-40	-47
1390	73	72	75	83	93	101	105	111	111	105
1400	140	140	140	140	140	140	140	140	140	140
1410	102	101	100	91	86	83	85	93	95	101
1420	1430	1430	1430	1430	1430	1430	1430	1430	1430	1430
1430	1450	1450	1450	1450	1450	1450	1450	1450	1450	1450
1440	1460	1460	1460	1460	1460	1460	1460	1460	1460	1460
1450	1470	1470	1470	1470	1470	1470	1470	1470	1470	1470
1460	1480	1480	1480	1480	1480	1480	1480	1480	1480	1480
1470	1490	1490	1490	1490	1490	1490	1490	1490	1490	1490
1480	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
1490	1510	1510	1510	1510	1510	1510	1510	1510	1510	1510
1500	1520	1520	1520	1520	1520	1520	1520	1520	1520	1520
1510	1530	1530	1530	1530	1530	1530	1530	1530	1530	1530
1520	1540	1540	1540	1540	1540	1540	1540	1540	1540	1540
1530	1550	1550	1550	1550	1550	1550	1550	1550	1550	1550
1540	1560	1560	1560	1560	1560	1560	1560	1560	1560	1560
1550	1570	1570	1570	1570	1570	1570	1570	1570	1570	1570
1560	1580	1580	1580	1580	1580	1580	1580	1580	1580	1580
1570	1590	1590	1590	1590	1590	1590	1590	1590	1590	1590
1580	1600	1600	1600	1600	1600	1600	1600	1600	1600	1600

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-74 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	117	119	125	124	127	128	130	136	134	138	9	9	10	18	16	22	28	28	30	35
2140	138	138	93	135	136	126	125	117	108	106	35	35	35	36	35	26	28	28	28	35
2150	105	104	75	75	83	43	23	37	37	38	20	21	27	28	25	25	27	27	28	25
2160	54	65	76	86	86	95	106	108	128	130	26	17	15	16	18	43	6	8	8	25
2170	136	140	144	144	150	157	156	154	153	148	17	17	12	24	18	43	45	45	45	51
2180	147	146	144	144	143	136	123	109	95	94	55	62	55	53	49	42	35	32	28	51
2190	84	67	47	24	5	15	39	55	68	75	17	17	15	14	22	25	30	30	28	18
2200	86	102	116	145	134	146	155	149	155	154	27	26	28	29	30	31	30	30	28	27
2210	147	144	144	145	137	133	125	116	106	96	28	28	28	28	25	27	25	24	28	35
2220	88	75	68	59	58	54	4	24	23	13	30	30	26	30	15	8	19	29	37	35
2230	30	43	37	37	44	66	74	79	78	80	45	38	35	34	27	24	17	16	37	43
2240	84	84	84	85	78	76	67	67	56	44	24	24	24	23	29	34	33	33	33	33
2250	36	23	14	5	8	17	24	35	44	46	16	16	24	16	14	14	7	7	4	1
2260	55	55	76	75	75	85	85	79	78	65	6	5	6	6	6	6	7	7	7	4
2270	66	56	46	23	19	18	7	0	17	17	4	5	4	8	7	4	5	5	4	1
2280	30	66	55	54	54	58	75	77	78	85	14	14	14	14	14	14	14	14	14	1
2290	96	79	105	105	105	98	83	74	67	46	15	18	24	25	25	26	24	22	24	22
2300	35	13	5	4	6	18	20	27	36	38	23	23	17	16	16	17	19	19	19	23
2310	45	55	55	56	66	76	75	75	85	96	25	25	25	24	24	24	26	26	26	17
2320	106	114	116	117	118	126	126	126	124	126	14	15	16	17	17	15	18	18	18	10
2330	125	127	137	137	136	126	106	95	84	78	4	4	4	4	4	4	4	4	4	4
2340	75	66	48	40	43	26	4	5	17	29	48	48	49	48	44	46	46	45	39	44
2350	40	45	46	45	59	64	64	75	78	84	35	34	35	34	24	25	27	25	28	39
2360	75	75	65	63	57	56	55	47	37	35	45	45	45	44	44	44	44	44	44	39
2370	35	36	34	35	34	26	26	24	24	16	10	10	10	10	10	10	10	10	10	14
2380	16	14	15	17	17	19	16	16	16	16	5	5	6	6	6	7	7	7	7	5
2390	0	4	4	4	5	5	5	6	7	7	6	6	6	6	6	6	6	6	6	5
2400	4	3	5	5	4	4	8	17	17	15	34	34	33	36	35	34	35	36	36	24
2410	15	26	27	35	38	38	27	19	17	15	24	24	24	24	24	24	24	24	24	24
2420	30	29	10	7	7	6	4	6	6	5	4	4	4	4	4	4	4	4	4	25
2430	17	9	10	7	7	6	4	6	6	5	4	4	4	4	4	4	4	4	4	25
2440	14	26	36	37	44	56	59	67	75	87	28	24	24	24	24	24	24	24	24	22
2450	96	96	86	80	77	76	66	58	59	56	47	44	44	44	44	44	44	44	44	22
2460	47	37	34	30	26	14	11	15	15	8	30	30	30	30	30	30	30	30	30	22
2470	4	15	15	22	24	25	28	34	33	35	10	10	10	10	10	10	10	10	10	22
2480	35	38	42	35	33	28	26	22	14	15	4	4	4	4	4	4	4	4	4	22
2490	1	5	11	18	18	8	6	7	6	1	6	6	6	6	6	6	6	6	6	22
2500	5	24	18	16	16	7	7	11	18	19	15	15	15	15	15	15	15	15	15	22
2510	25	24	8	8	8	7	7	8	8	6	6	6	6	6	6	6	6	6	6	22
2520	13	25	25	21	23	26	27	34	34	34	15	12	12	12	12	12	12	12	12	22
2530	15	14	11	6	8	8	4	3	6	6	8	8	8	8	8	8	8	8	8	22
2540	47	47	49	40	38	19	21	21	37	39	18	17	16	16	16	16	16	16	16	22
2550	51	47	49	40	38	29	28	30	30	37	18	17	16	16	16	16	16	16	16	22
2560	37	37	30	29	19	17	10	9	1	4	11	11	11	11	11	11	11	11	11	22
2570	12	15	24	31	35	34	35	35	35	31	16	16	16	16	16	16	16	16	16	22
2580	31	11	26	33	31	32	31	31	24	24	17	17	17	17	17	17	17	17	17	22
2590	17	22	15	4	2	1	2	3	1	1	6	6	6	6	6	6	6	6	6	22
2600	52	51	46	39	57	67	68	67	67	66	35	35	35	35	35	35	35	35	35	22
2610	57	57	46	37	32	29	29	21	16	19	37	37	37	37	37	37	37	37	37	22
2620	56	56	46	37	32	29	29	21	16	19	37	37	37	37	37	37	37	37	37	22
2630	57	57	46	37	32	29	29	21	16	19	37	37	37	37	37	37	37	37	37	22
2640	56	56	46	37	32	29	29	21	16	19	37	37	37	37	37	37	37	37	37	22
2650	13	12	8	9	26	21	24	22	22	21	16	16	15	15	15	15	15	15	15	22
2660	11	17	4	2	26	21	24	22	22	21	16	16	15	15	15	15	15	15	15	22

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-74 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	-39	-43	-42	-42	-43	-47	-49	-52	-44	-38
3220	-36	-34	-33	-33	-32	-37	-49	-52	-44	-38
3230	-18	-23	-24	-25	-25	-26	-26	-27	-25	-23
3240	-35	-35	-35	-35	-35	-34	-34	-37	-35	-33
3250	-25	-24	-23	-23	-25	-24	-24	-24	-24	-23
3260	-25	-26	-26	-26	-25	-24	-24	-24	-23	-22
3270	-5	-2	-2	-2	-2	-1	-1	-1	-1	-1
3280	45	57	55	57	61	67	67	69	68	67
3290	66	70	69	68	68	67	67	66	65	64
3300	59	57	55	55	57	49	47	46	46	46
3310	37	36	34	34	29	26	8	7	4	4
3320	-13	-26	-33	-33	-35	-37	-39	-42	-43	-43
3330	-43	-45	-46	-46	-55	-57	-64	-63	-63	-62
3340	-62	-62	-64	-64	-64	-64	-64	-64	-64	-64
3350	-64	-64	-63	-64	-53	-55	-57	-55	-57	-57
3360	-22	-18	-15	-15	-14	-12	-11	-11	-9	-6
3370	9	9	9	9	8	6	6	6	5	4
3380	-4	-4	-3	-2	-2	-5	-2	3	5	8
3390	8	10	16	16	26	27	26	18	5	8
3400	8	6	6	6	-4	-2	-2	15	2	9
3410	7	9	10	16	16	19	19	27	21	20
3420	36	37	35	36	36	37	47	47	45	39
3430	38	38	37	37	29	24	25	19	12	8
3440	4	5	5	6	4	6	6	5	5	6
3450	8	9	15	16	16	15	15	8	8	5
3460	6	7	7	6	-6	-9	-13	-19	-24	-24
3470	-24	-26	-26	-26	-26	-27	-27	-28	-34	-36
3480	33	-35	-36	-37	-39	-44	-46	-47	-49	-48
3490	-24	-53	-53	-53	-53	-53	-53	-53	-47	-46
3500	-15	-43	-44	-43	-37	-29	-27	-24	-25	-25
3510	-15	-14	-6	-4	3	4	15	17	24	25
3520	34	35	35	36	36	35	35	28	25	28
3530	25	23	19	23	17	16	15	13	7	4
3540	7	7	7	8	9	15	15	15	17	4
3550	5	-6	-10	-14	-15	-14	-14	-20	-25	-24
3560	-27	-27	-26	-24	-24	-26	-16	-17	-14	-14
3570	-5	-5	-5	-5	-4	3	7	7	15	16
3580	18	24	24	17	15	16	8	8	6	5
3590	5	-5	-7	-4	-4	-7	-7	-34	-47	-44
3600	-44	-37	-34	-36	-36	-24	-24	-27	-27	-24
3610	-24	-24	-26	-26	-30	-34	-38	-44	-45	-47
3620	-48	-54	-55	-61	-64	-64	-65	-65	-69	-76
3630	-77	-76	-76	-76	-78	-81	-84	-84	-87	-86
3640	-78	-70	-64	-50	-57	-57	-57	-55	-59	-64
3650	-16	-9	-9	-8	-8	-7	5	3	6	11
3660	17	14	25	25	28	28	34	33	38	45
3670	45	48	45	54	55	55	55	53	57	54
3680	48	47	45	45	35	34	24	14	15	17
3690	15	14	14	14	15	14	15	14	13	17
3700	15	14	14	18	25	25	25	26	24	28
3710	35	34	33	34	27	26	27	24	24	24
3720	17	15	6	4	5	-17	-17	-17	-21	-28
3730	-34	-35	-38	-46	-47	-45	-45	-48	-48	-55
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TO BE CONTINUED

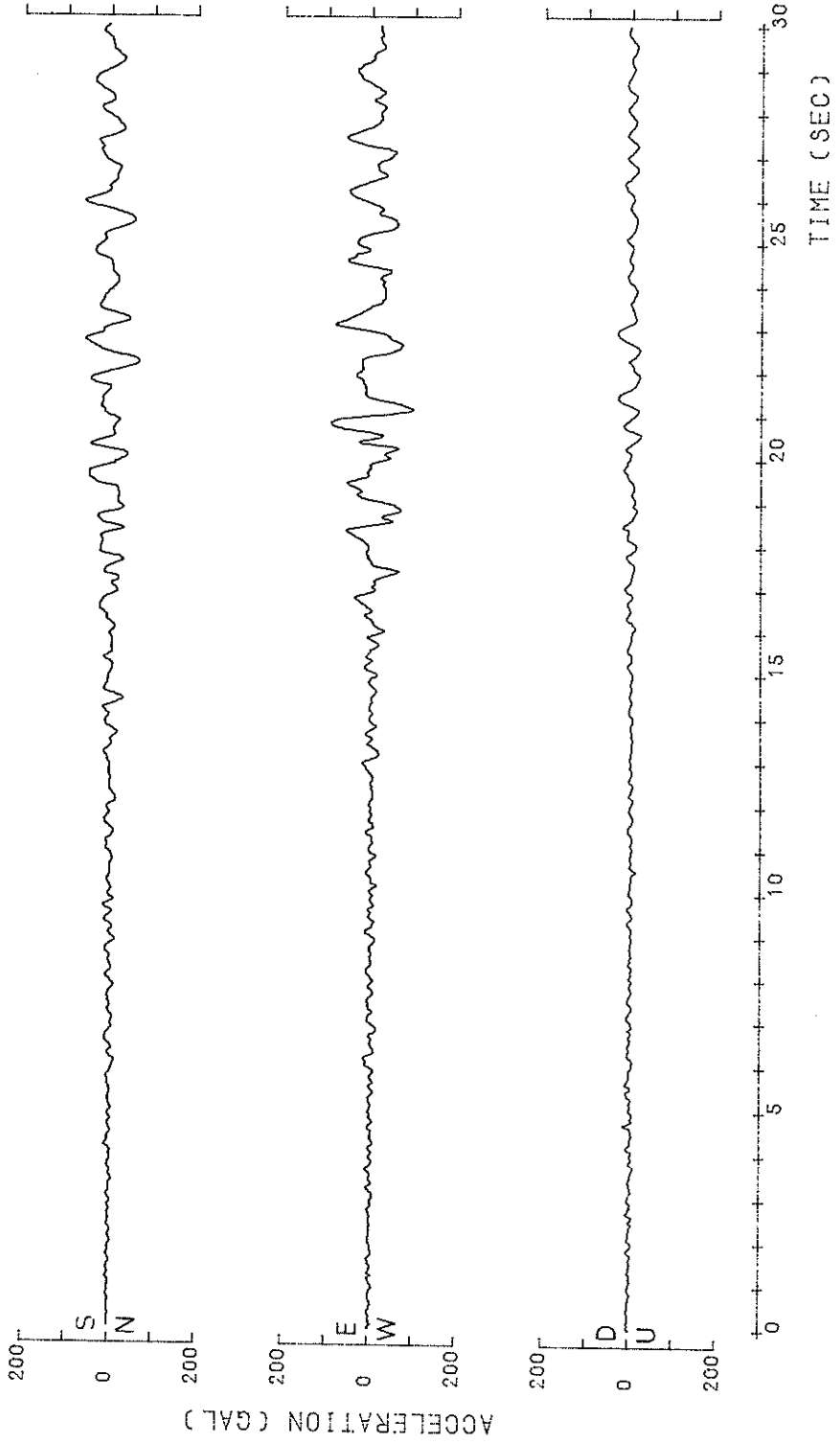
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3760	-54	-50	-44	-44	-44	-38	-38	-37	-34	-26
3770	-25	-18	-14	-11	-15	-14	-11	-14	-6	-5
3780	-6	-5	-4	4	5	5	-4	3	-6	-6
3790	-6	-5	-4	4	4	4	7	9	14	18
3800	25	25	24	24	24	17	24	25	29	34
3810	33	28	34	33	27	27	26	25	17	14
3820	14	16	14	14	7	4	6	5	-5	-5
3830	4	5	7	7	9	14	14	14	13	13
3840	13	16	24	25	26	17	17	14	15	15
3850	7	7	4	4	4	5	-5	-7	-4	-7
3860	-9	-10	-14	-14	-14	-9	-15	-16	-14	-17
3870	-16	-14	-14	-14	-15	-14	-17	-17	-17	-17
3880	-16	-20	-19	-20	-26	-29	-30	-34	-35	-34
3890	-37	-40	-44	-48	-55	-54	-54	-54	-54	-54
3900	-55	-54	-48	-44	-46	-43	-36	-28	-26	-23
3910	-53	-26	-24	-23	-23	-26	-24	-24	-25	-24
3920	-26	-24	-25	-26	-23	-26	-24	-25	-15	-8
3930	-7	-3	-6	-3	-6	5	5	5	4	8
3940	5	4	7	4	4	4	5	4	-3	-3
3950	-3	5	5	4	-3	-3	-6	-7	-9	-8
3960	-8	-5	-3	-4	-3	-3	-5	-3	5	6
3970	4	5	8	8	8	10	14	16	15	19
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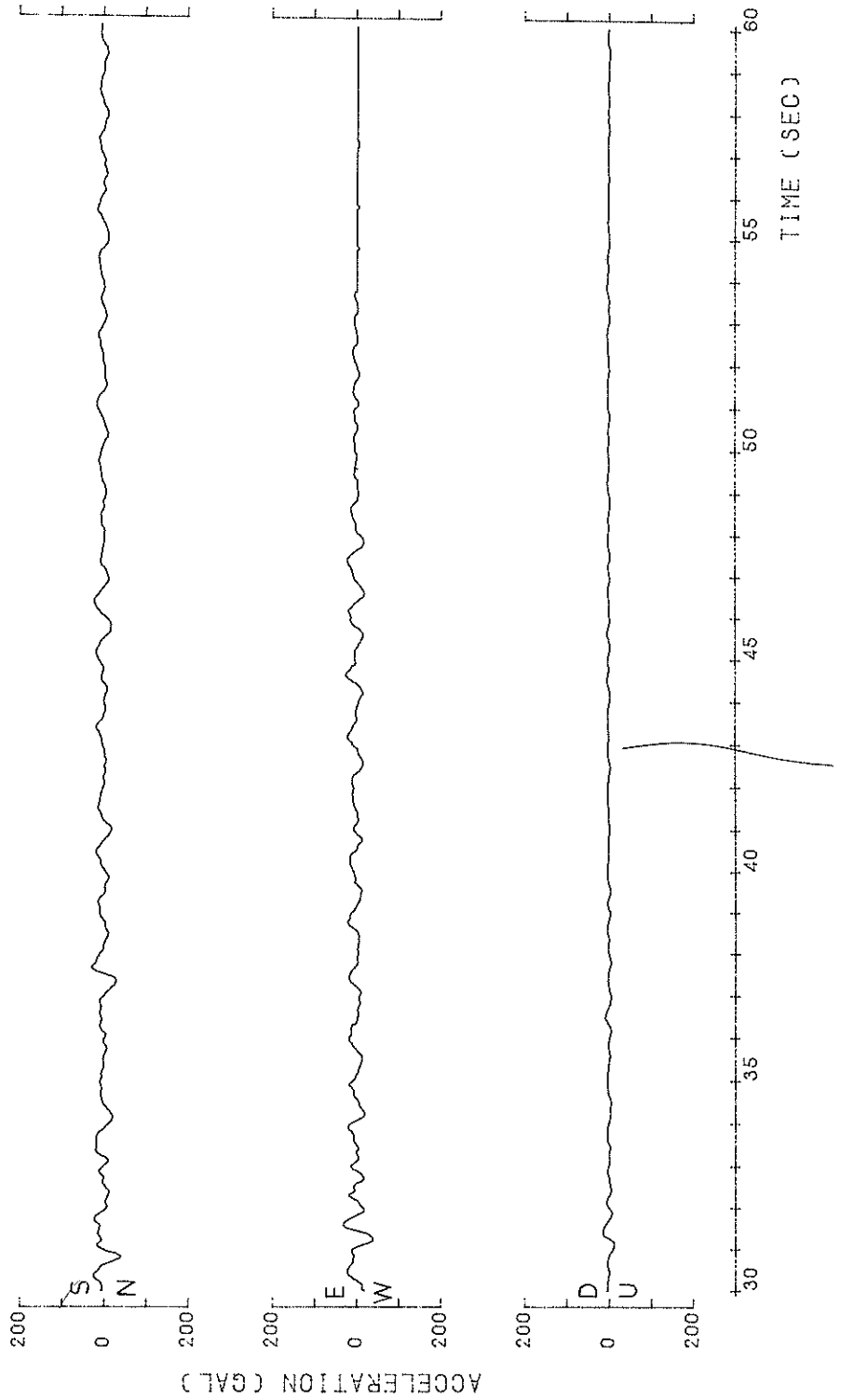
END

1968-04-01-09--42

S-211 KOCHI-S

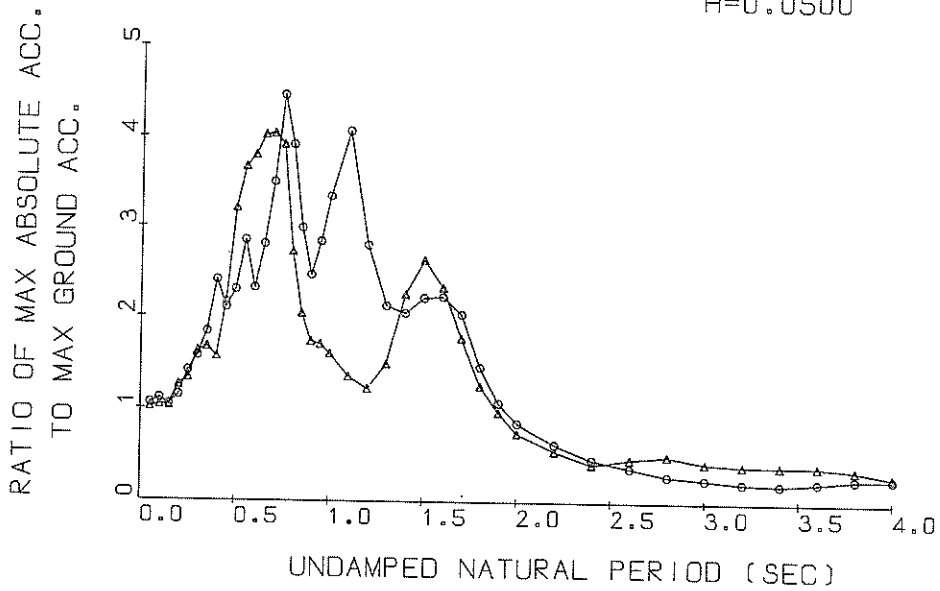


S-211 KOCHI-S 1968-04-01-09-42



S-211 KOCHI-S
1968-04-01-09-42

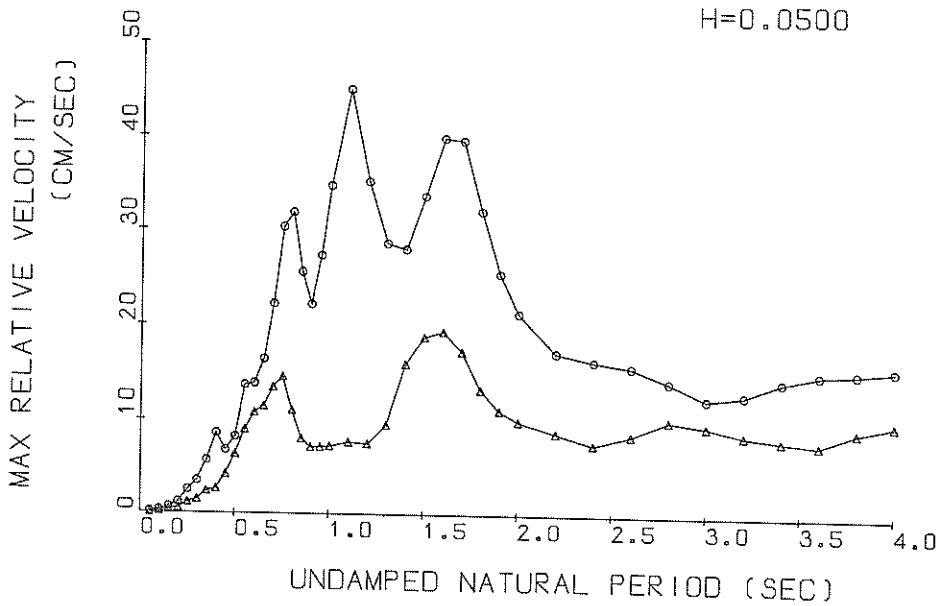
○ N-S
△ U-D
H=0.0500



Response Spectra

S-211 KOCHI-S
1968-04-01-09-42

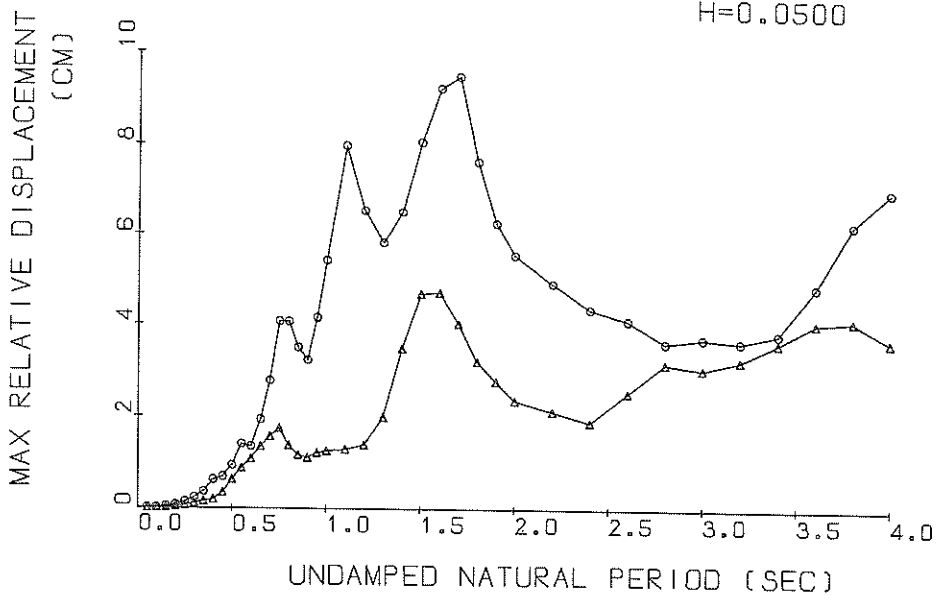
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△ U-D
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Response Spectra

S-211 KOCHI-S
1968-04-01-09-42

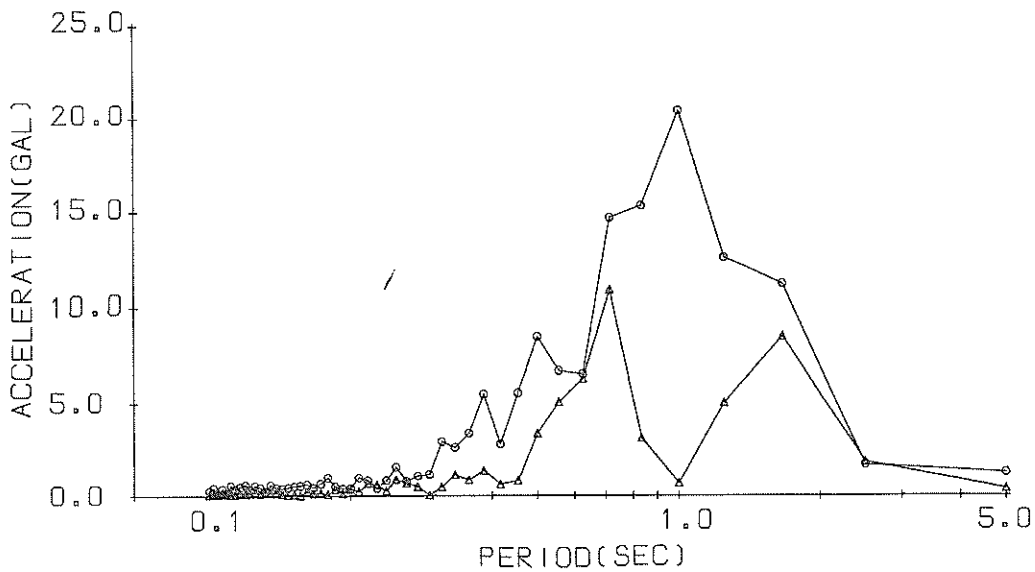
○ N-S
△ U-D
H=0.0500



Response Spectra

S-211

○ N-S TSK=20.00 TUS=5.00
△ U-D TSK=20.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-211
 DATE AND TIME = 1968-04-01-09-42
 TIME LENGTH = 30.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 10.00 (SEC)

CORRECTION = ARC.ERR.
 MAX.GROUND ACC. = 31.37 (GAL)

STATION = KOCHI-S

DAMPING = 0. DAMPING = 0.025 DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	48.3	0.23	0.003	32.3	0.05	0.002	31.8	0.05	0.002	31.7	0.04	0.002	31.6	0.04	0.002	31.6	0.04	0.002
0.10	56.8	0.51	0.014	34.0	0.17	0.009	32.7	0.15	0.008	31.6	0.14	0.008	31.4	0.12	0.008	31.4	0.12	0.008
0.15	76.0	1.39	0.043	34.0	0.43	0.019	32.4	0.40	0.018	32.7	0.33	0.019	31.7	0.21	0.018	31.7	0.21	0.018
0.20	69.2	1.85	0.070	43.0	0.67	0.043	39.3	0.53	0.040	35.4	0.48	0.036	33.3	0.39	0.033	33.3	0.39	0.033
0.25	96.9	3.26	0.153	55.5	1.67	0.098	41.9	1.16	0.066	35.1	0.85	0.055	35.8	0.64	0.055	35.8	0.64	0.055
0.30	52.1	1.76	0.119	51.8	1.75	0.118	50.9	1.16	0.116	46.0	1.15	0.104	39.5	0.88	0.087	39.5	0.88	0.087
0.35	117.5	6.02	0.365	67.8	3.37	0.210	52.4	2.37	0.162	45.7	1.60	0.141	41.2	1.25	0.123	41.2	1.25	0.123
0.40	164.5	10.23	0.667	53.7	2.77	0.218	49.1	3.3	0.199	46.5	2.35	0.186	43.3	1.71	0.168	43.3	1.71	0.168
0.45	101.0	6.33	0.518	78.9	4.63	0.404	68.4	4.20	0.350	58.1	3.35	0.295	48.2	2.16	0.234	48.2	2.16	0.234
0.50	183.7	12.89	1.163	118.9	7.77	0.752	100.7	6.37	0.635	79.3	4.76	0.495	53.4	2.76	0.317	53.4	2.76	0.317
0.55	309.0	26.20	2.368	134.0	10.91	1.027	115.2	9.00	0.880	89.6	6.45	0.676	55.9	3.41	0.398	55.9	3.41	0.398
0.60	267.9	25.32	2.443	150.4	13.50	1.369	119.4	10.81	1.084	88.0	7.55	0.790	55.3	3.82	0.464	55.3	3.82	0.464
0.65	347.2	35.65	3.716	164.4	15.83	1.758	126.3	11.50	1.346	89.1	7.56	0.940	55.5	4.12	0.554	55.5	4.12	0.554
0.70	279.4	31.60	3.468	149.7	16.35	1.857	126.6	13.48	1.564	93.8	9.39	1.146	55.8	4.59	0.639	55.8	4.59	0.639
0.75	264.2	31.77	3.765	161.8	19.33	2.304	122.9	14.56	1.744	86.9	9.70	1.215	53.5	4.88	0.697	53.5	4.88	0.697
0.80	115.4	14.36	1.871	100.2	12.82	1.622	85.5	11.03	1.378	69.4	8.47	1.101	49.7	4.91	0.730	49.7	4.91	0.730
0.85	142.5	18.28	2.425	67.9	8.86	1.241	63.9	8.09	1.164	56.2	7.01	1.010	45.6	4.84	0.752	45.6	4.84	0.752
0.90	57.9	8.70	1.189	54.3	7.36	1.112	54.3	7.15	1.108	50.0	6.34	1.008	42.0	4.77	0.774	42.0	4.77	0.774
0.95	96.1	14.84	2.197	59.0	8.34	1.347	53.3	7.20	1.213	46.2	6.26	1.037	39.4	4.76	0.808	39.4	4.76	0.808
1.00	72.2	10.49	1.628	58.5	8.55	1.480	50.1	7.30	1.262	42.2	6.11	1.048	37.9	4.82	0.859	37.9	4.82	0.859
1.10	95.4	16.70	2.923	57.8	10.27	1.769	42.4	7.71	1.293	36.3	6.58	1.090	36.8	5.10	1.005	36.8	5.10	1.005
1.20	93.9	18.22	3.425	52.7	9.79	1.921	38.3	7.55	1.391	37.4	7.30	1.338	37.1	5.49	1.198	37.1	5.49	1.198
1.30	70.3	14.73	3.008	49.0	10.53	2.095	46.8	9.54	1.892	43.7	8.94	1.833	37.8	5.88	1.420	37.8	5.88	1.420
1.40	125.7	27.56	6.242	87.8	19.98	4.356	70.7	15.95	3.493	55.1	11.52	2.678	38.0	6.66	1.635	38.0	6.66	1.635
1.50	180.9	43.55	10.311	103.8	25.13	5.912	82.7	18.82	4.689	59.5	12.67	3.314	36.7	7.72	1.877	36.7	7.72	1.877
1.60	153.2	38.97	9.932	96.4	24.13	6.241	73.1	19.41	4.714	53.6	14.37	3.393	33.0	8.45	1.850	33.0	8.45	1.850
1.70	150.0	40.19	10.983	73.6	21.64	5.379	55.5	17.29	4.041	43.0	13.80	3.074	30.0	8.78	1.840	30.0	8.78	1.840
1.80	74.4	22.08	6.102	49.1	15.14	4.026	39.4	13.33	3.219	33.0	12.17	2.846	26.2	8.80	1.788	26.2	8.80	1.788
1.90	56.1	17.69	5.127	37.4	12.58	3.419	30.6	11.14	2.782	26.2	10.78	2.340	22.8	8.65	1.725	22.8	8.65	1.725
2.00	30.6	11.28	3.096	26.9	10.00	2.719	23.6	10.01	2.368	21.7	9.83	2.155	19.9	8.44	1.666	19.9	8.44	1.666
2.20	22.2	9.41	2.717	18.9	8.96	2.312	17.5	8.81	2.136	16.4	8.71	1.976	15.7	8.05	1.582	15.7	8.05	1.582
2.40	15.3	7.57	2.231	13.0	6.97	1.885	13.1	7.59	1.903	13.6	8.09	1.942	13.8	7.79	1.517	13.8	7.79	1.517
2.60	21.3	10.35	3.651	18.2	8.75	2.772	14.9	8.59	2.514	13.2	8.43	2.216	12.8	7.79	1.728	12.8	7.79	1.728
2.80	25.3	12.90	5.019	19.0	11.22	3.771	16.1	10.17	3.184	12.8	9.00	2.473	12.2	7.56	1.886	12.2	7.56	1.886
3.00	16.8	10.40	3.835	14.8	10.02	3.368	13.7	9.59	3.069	12.4	8.20	2.672	11.7	7.36	2.048	11.7	7.36	2.048
3.20	12.9	8.75	3.348	13.0	8.82	3.358	12.7	8.68	3.256	12.1	8.22	2.948	11.2	7.06	2.181	11.2	7.06	2.181
3.40	13.8	9.28	4.039	13.2	8.61	3.856	12.6	8.15	3.640	11.6	7.55	3.200	10.6	6.66	2.264	10.6	6.66	2.264
3.60	15.9	8.89	5.214	14.0	8.09	4.473	12.5	7.77	4.084	11.1	7.16	3.382	9.9	6.19	2.285	9.9	6.19	2.285
3.80	16.3	11.01	5.950	13.0	9.96	4.740	11.5	9.16	4.146	9.9	7.99	3.346	9.1	6.03	2.238	9.1	6.03	2.238
4.00	12.6	12.27	5.090	10.3	10.96	4.160	9.3	9.96	3.691	8.3	8.53	3.044	8.2	6.27	2.127	8.2	6.27	2.127

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-211 COMPONENT = J-D STATION = KOCHI-S
 DATE AND TIME = 1968-04-01-09-42 TOTAL NUMBER OF DATA = 6000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

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10	14	14	18	26	26	36	26	25	25	25
20	15	14	13	27	3	4	6	3	15	25
30	14	17	16	16	15	15	16	78	83	75
40	28	34	35	35	36	35	35	14	14	14
50	18	14	13	4	4	4	4	95	95	95
60	14	13	13	15	18	14	7	38	34	27
70	2	37	6	9	10	11	16	14	15	14
80	12	24	26	29	21	9	17	47	47	44
90	12	24	26	24	24	23	13	64	64	64
100	2	2	6	7	7	10	8	15	23	26
110	16	16	16	36	36	16	11	44	44	44
120	16	16	16	36	36	16	11	14	24	24
130	6	13	17	22	22	17	19	33	33	33
140	8	13	17	22	22	17	19	15	15	15
150	17	29	38	28	22	21	19	16	14	14
160	6	8	8	10	16	22	16	5	6	6
170	40	39	39	39	28	26	27	44	29	16
180	44	54	41	54	24	4	27	16	16	16
190	29	39	49	44	49	48	48	68	68	74
200	40	40	32	18	8	8	33	29	35	24
210	25	23	21	12	13	15	11	34	24	18
220	7	18	11	12	13	15	11	44	44	44
230	7	18	11	12	13	15	11	55	55	46
240	37	48	49	58	57	48	52	24	17	16
250	4	14	8	10	10	8	16	48	48	46
260	68	68	40	18	2	23	46	20	3	5
270	63	33	34	37	2	23	46	10	14	9
280	16	37	18	17	70	72	78	14	8	8
290	28	27	22	20	23	23	23	10	10	10
300	36	35	28	25	27	27	25	15	15	15
310	32	37	38	35	27	27	25	28	19	8
320	37	35	38	39	29	29	29	8	8	8
330	16	4	12	2	3	5	6	23	15	16
340	13	12	12	14	14	2	2	15	15	16
350	18	18	15	17	21	26	28	7	9	6
360	37	48	45	44	45	45	58	6	9	9
370	76	76	79	86	87	87	86	26	26	26
380	47	48	47	46	45	45	45	17	17	17
390	48	47	39	35	35	35	35	35	35	35
400	21	25	25	25	25	25	25	47	47	47
410	56	56	56	56	56	56	56	36	36	36
420	65	64	38	34	34	34	34	34	34	34
430	17	17	17	17	17	17	17	14	14	14
440	28	28	38	37	37	37	37	16	16	16
450	45	45	48	48	47	47	47	45	45	45
460	24	24	17	14	14	14	14	14	14	14
470	131	82	65	47	27	35	68	113	127	145
480	44	40	45	45	45	45	45	30	45	56
490	49	49	55	55	47	47	47	36	36	45
500	4	14	16	23	22	14	13	2	10	11

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-211 U-D)

CONTINUED(S-211 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-86	-109	-127	-133	-126	-114	-93	-68	-53	-38
1060	-29	-23	-14	-4	-4	17	16	3	4	4
1070	-14	6	-25	-24	10	13	-17	-16	-6	-5
1080	-4	16	5	7	10	17	17	3	-5	-14
1090	-15	-14	-15	-15	-15	-34	-20	-27	-27	-19
1100	-34	-37	-37	-37	-34	-34	-34	-28	-23	-19
1110	-15	-14	-6	-5	4	-10	-14	-16	-16	-4
1120	-25	-30	-37	-37	-37	-40	-44	-44	-44	-44
1130	43	17	29	25	19	16	14	14	7	0
1140	5	14	24	37	47	46	49	50	54	54
1150	65	53	45	36	36	36	35	27	25	19
1160	8	6	4	34	34	34	34	40	46	46
1170	-54	-54	-54	-54	-54	-54	-54	-47	-46	-10
1180	-36	-33	-26	-25	-15	-14	-8	5	10	6
1190	14	18	4	26	26	15	14	14	9	6
1200	5	4	4	-5	-5	-5	-16	-26	-36	-54
1210	-46	-37	-46	-47	-54	-54	-55	-55	-54	-24
1220	-46	-36	-44	-4	8	24	29	36	26	25
1230	16	5	0	-4	-4	-9	-15	-15	-25	-23
1240	-16	-24	-27	-34	-45	-47	-47	-47	-46	19
1250	-53	-48	-46	-37	-33	-27	-26	-4	7	6
1260	25	25	29	29	24	24	24	24	35	-40
1270	-5	-10	-10	-24	-24	-27	-27	-35	-44	-44
1280	-45	-44	-39	-36	-29	-23	-13	-6	5	5
1290	4	4	5	6	5	6	4	5	9	9
1300	-15	6	8	-4	4	4	4	9	9	9
1310	6	8	4	4	0	5	4	5	5	-5
1320	-9	-16	-16	-16	-17	-20	-24	-28	-30	-36
1330	-37	-36	-27	-35	-35	-34	-37	-36	-35	-34
1340	-33	-27	-27	-27	-36	-36	-34	-34	-37	-38
1350	-46	-46	-46	-46	-44	-46	-46	-46	-46	-46
1360	-19	-16	-16	-17	-17	-26	-26	-34	-34	-35
1370	-34	-29	-26	-17	-15	-5	4	4	5	-24
1380	-6	-16	-19	-15	-15	-15	-15	-16	-20	-24
1390	-30	-34	-39	-45	-50	-57	-57	-57	-54	-53
1400	-53	-54	-54	-54	-54	-54	-54	-54	-54	-54
1410	27	16	15	25	26	26	26	26	17	27
1420	27	27	27	27	26	20	17	6	7	8
1430	-6	-3	-3	-8	-5	-13	-14	-18	-25	-31
1440	-31	-31	-32	-14	-5	2	2	6	8	12
1450	18	18	18	17	21	23	23	20	-20	-20
1460	-5	-5	-13	-12	-12	-22	-20	-12	-5	0
1470	-21	-21	-20	-23	-22	-22	-20	-22	-22	-22
1480	0	0	0	-4	-4	-11	-15	-22	-49	-49
1490	-39	-40	-35	-39	-42	-41	-41	-45	-46	-49
1500	-49	-49	-49	-48	-40	-41	-32	-22	-19	-9
1510	-10	1	10	10	14	21	24	34	44	51
1520	56	62	65	73	62	63	51	51	42	36
1530	-33	13	-2	-28	-18	-19	-20	-20	-20	-19
1540	19	-22	-18	-28	-26	-18	-20	-28	-26	-27
1550	-68	-74	73	65	43	51	64	64	64	64
1560	34	34	26	25	16	14	7	1	-1	-6
1570	34	34	26	25	16	14	7	1	-1	-6
1580	-6	-7	-7	-10	-24	-24	-27	-27	-26	-26

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-211 U-D)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	116	145	177	196	280	238	250	261	275	298
2140	294	293	294	293	288	285	283	278	272	267
2150	237	253	2150	186	163	144	118	105	94	96
2160	86	86	14	9	16	34	39	50	64	15
2170	75	86	95	107	114	115	120	124	136	139
2180	144	155	157	165	166	170	172	178	185	184
2190	190	194	194	197	192	186	177	169	158	149
2200	136	123	105	84	77	67	57	50	54	55
2210	54	55	54	47	44	44	44	44	44	44
2220	14	6	4	14	25	34	46	46	46	36
2230	14	4	7	15	30	46	60	74	91	104
2240	110	120	126	138	145	148	155	161	166	171
2250	176	186	188	197	194	184	175	170	167	167
2260	154	144	124	100	84	57	37	25	8	17
2270	37	74	76	99	125	135	149	173	183	198
2280	214	227	245	258	270	282	286	293	298	303
2290	303	307	313	313	310	304	303	302	293	282
2300	271	260	250	232	215	192	172	153	136	105
2310	85	71	52	32	13	19	40	59	66	72
2320	80	89	98	97	101	107	106	106	98	92
2330	89	86	87	80	79	78	71	69	66	62
2340	59	56	58	52	50	46	40	38	32	27
2350	14	16	23	21	11	0	2	0	12	12
2360	47	49	49	50	50	58	58	62	70	81
2370	50	47	49	49	49	49	49	49	49	49
2380	93	98	103	109	109	109	109	111	117	123
2390	128	130	130	121	113	100	98	96	90	88
2400	81	77	71	68	59	53	50	37	22	3
2410	41	44	44	44	44	44	44	44	44	44
2420	72	76	82	84	86	93	90	82	83	73
2430	70	65	63	53	53	43	32	31	31	31
2440	14	1	2	2	9	11	11	18	18	18
2450	17	18	16	11	8	1	1	17	33	32
2460	33	44	51	51	51	51	52	54	51	47
2470	41	32	33	31	26	24	13	11	11	11
2480	12	27	28	27	19	19	19	19	19	18
2490	27	28	29	28	27	27	20	20	11	11
2500	22	32	44	54	65	75	83	92	103	113
2510	113	116	122	113	97	85	75	64	52	34
2520	28	15	17	13	2	5	15	26	36	46
2530	49	55	58	67	77	75	77	77	86	87
2540	96	96	100	99	98	98	100	108	105	105
2550	105	107	107	117	115	118	117	120	124	125
2560	116	117	106	99	97	96	88	70	54	49
2570	50	47	40	34	19	16	5	6	4	14
2580	18	26	26	26	28	28	29	27	26	25
2590	16	14	15	3	0	0	5	5	15	15
2600	26	36	37	47	44	44	44	44	44	45
2610	38	35	30	29	18	10	5	6	3	18
2620	46	64	67	75	74	87	107	113	123	124
2630	127	123	125	125	134	135	144	149	163	173
2640	171	163	151	142	136	126	114	104	91	74
2650	55	32	26	14	3	8	18	19	29	36
2660	47	59	77	77	87	87	97	103	116	120

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)		CONTINUED(S-211 U-D)	
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	55	55	54	52	47	46	48	45	45	45	3750	9	10	9	9	8	8	8	7	5	-1
3220	37	34	28	18	37	5	2	-2	-2	-2	3760	0	-4	-10	-9	-11	-15	-2	-20	-2	-22
3230	-11	-20	-23	-33	-37	-42	-43	-43	-43	-43	3770	-39	-41	-39	-41	-41	-43	-45	-49	-49	-42
3240	-46	-50	-54	-60	-64	-69	-73	-73	-73	-73	3780	-42	-44	-34	-30	-32	-31	-44	-49	-21	-15
3250	-41	-34	-33	-26	-24	-23	-20	-20	-20	-20	3790	-14	-12	-12	-9	-4	-3	-3	-1	6	8
3260	-41	-13	-13	-10	-10	-10	-10	-10	-10	-10	3800	9	16	16	18	18	20	18	26	29	27
3270	-10	-4	-2	-1	5	7	15	16	16	16	3810	29	28	27	25	24	24	17	16	16	16
3280	17	26	28	35	34	27	28	28	28	28	3820	16	8	0	0	0	8	8	9	8	6
3290	27	28	27	25	17	16	16	16	16	16	3830	0	0	0	0	-1	-2	0	9	8	7
3300	7	7	0	-3	-5	-5	-13	-13	-13	-13	3840	10	15	20	17	27	28	28	28	29	36
3310	-10	-16	-2	-20	-20	-20	-15	-15	-15	-15	3850	38	39	38	39	46	46	46	46	45	43
3320	-13	-4	-3	-1	-3	-3	-2	-2	-2	-2	3860	40	40	40	40	39	38	39	36	33	29
3330	-4	-6	-10	-12	-16	-16	-23	-23	-23	-23	3870	27	26	26	25	19	18	19	18	15	9
3340	-27	-30	-25	-20	-20	-21	-14	-13	-13	-13	3880	10	8	4	-2	0	-3	-3	-12	-11	-15
3350	-5	4	4	14	27	27	37	37	37	37	3890	-21	-22	-22	-20	-21	-22	-26	-30	-31	-30
3360	37	38	38	37	39	38	38	36	36	36	3900	-29	-22	-19	-13	-11	-2	-2	5	7	16
3370	35	35	35	35	35	34	28	28	28	28	3910	18	18	18	18	28	28	28	29	29	36
3380	35	36	36	37	34	34	27	27	27	27	3920	35	33	30	29	28	28	26	25	19	18
3390	27	28	26	16	17	13	7	4	4	4	3930	20	19	16	8	8	5	-2	-2	-5	-12
3400	4	3	-1	-15	-17	-21	-24	-24	-24	-24	3940	-11	-15	-21	-21	-26	-29	-34	-34	-29	-21
3410	-21	-36	-42	-42	-31	-31	-31	-33	-33	-33	3950	-40	-39	-39	-39	-35	-31	-31	-31	-1	5
3420	-31	-32	-42	-31	-32	-31	-32	-32	-32	-32	3960	-22	-19	-14	-12	-12	-10	-12	-18	-18	26
3430	-31	-32	-42	-31	-32	-31	-32	-32	-32	-32	3970	6	9	8	8	12	12	15	17	26	26
3440	-36	-43	-43	-43	-42	-44	-44	-44	-44	-44	3980	25	27	27	28	28	27	27	26	26	27
3450	-45	-44	-42	-37	-36	-35	-35	-34	-34	-34	3990	27	26	27	27	28	28	29	29	26	26
3460	-18	-12	-12	-4	5	12	13	15	15	15	4000	29	29	28	27	27	27	27	27	36	33
3470	17	15	23	24	25	25	25	26	26	26	4010	29	29	28	27	27	27	27	27	36	33
3480	25	25	26	33	34	33	33	36	36	36	4020	19	19	18	19	17	18	18	18	19	18
3490	43	42	40	34	34	35	34	34	34	34	4030	8	7	8	9	10	10	10	9	9	10
3500	36	36	36	35	36	33	33	33	33	33	4040	19	18	18	19	16	16	16	16	9	8
3510	33	33	32	32	30	24	25	26	26	26	4050	10	7	9	10	15	15	15	14	8	8
3520	26	24	22	14	15	16	16	16	16	16	4060	9	8	8	9	9	9	9	9	14	8
3530	15	15	15	12	11	9	2	5	5	5	4070	8	8	8	9	15	15	15	16	9	8
3540	4	3	4	0	-6	-7	-7	-6	-6	-6	4080	10	8	9	7	5	-2	-1	-3	-10	-9
3550	-9	-9	-17	-17	-24	-25	-24	-24	-24	-24	4090	-10	-10	-14	-20	-19	-22	-21	-22	-22	-22
3560	-16	-16	-2	-3	4	10	10	12	12	12	4100	-22	-22	-21	-21	-22	-22	-21	-21	-21	-21
3570	2	2	13	13	12	11	10	10	10	10	4110	-11	-9	-12	-12	-11	-11	-10	-10	-10	-10
3580	14	15	13	15	15	12	10	10	10	10	4120	10	16	16	16	15	15	16	16	17	14
3590	2	2	3	0	-2	-8	-6	-10	-10	-10	4130	16	16	16	10	10	10	10	10	10	10
3600	-11	-18	-15	-25	-28	-31	-31	-36	-36	-36	4140	9	10	10	9	9	9	9	8	8	8
3610	36	38	46	45	48	47	49	49	49	49	4150	9	9	9	16	16	19	19	18	19	19
3620	-38	-30	-28	-25	-16	-12	-12	-11	-11	-11	4160	26	26	28	29	29	28	28	26	26	28
3630	-8	11	19	29	32	32	43	42	42	42	4170	30	29	26	29	29	29	29	26	26	29
3640	50	60	69	81	83	92	92	93	91	91	4180	18	18	18	20	21	21	21	18	18	18
3650	86	87	84	84	77	72	72	70	62	62	4190	20	20	19	21	21	21	21	20	19	21
3660	62	60	50	47	42	39	30	28	21	21	4200	20	20	20	20	18	10	16	16	17	15
3670	22	10	11	6	0	-9	-9	-20	-20	-20	4210	15	11	11	9	9	10	10	9	9	9
3680	-20	-33	-27	-49	-33	-39	-37	-39	-39	-39	4220	17	17	0	1	-4	-3	-4	-10	-10	-9
3690	-43	-50	-47	-47	-50	-51	-52	-47	-47	-47	4230	-10	-13	-20	-22	-23	-28	-29	-28	-30	-31
3700	-49	-47	-37	-29	-28	-20	-18	-18	-18	-18	4240	-30	-31	-32	-30	-30	-30	-30	-29	-29	-29
3710	-12	-11	-8	-3	0	1	0	6	6	6	4250	-29	-27	-19	-19	-17	-19	-19	-11	-9	-9
3720	20	19	9	2	11	11	11	17	18	18	4260	-2	0	0	0	8	8	11	12	18	20
3730	20	19	20	27	15	16	16	16	16	16	4270	20	20	20	21	20	20	20	21	21	22
3740	21	18	17	16	15	16	16	16	16	16	4280	21	22	21	22	20	20	20	21	22	22

TO BE CONTINUED

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CONTINUED(S-211 U-0)

CONTINUED(S-211 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	22	22	22	22	22	22	22	22	22	21
4300	21	19	11	17	17	17	11	10	12	11
4310	1	0	11	7	10	10	12	14	11	11
4320	11	11	13	11	12	11	11	12	14	11
4330	12	10	11	11	18	18	18	19	20	20
4340	19	18	12	11	10	12	12	11	12	12
4350	11	12	12	11	12	11	12	18	19	19
4360	20	21	20	29	30	31	29	29	29	29
4370	28	29	29	30	22	22	22	22	22	22
4380	21	21	22	18	17	13	12	12	10	2
4390	0	2	-20	-8	-9	-11	-8	-11	-11	-12
4400	-18	-13	-20	-22	-26	-26	-26	-26	-26	-26
4410	-28	-30	-30	-28	-28	-28	-28	-28	-28	-28
4420	-26	-20	-19	-19	-18	-16	-11	-9	-6	-6
4430	1	0	1	8	8	9	17	22	22	22
4440	29	29	32	39	40	40	39	40	41	42
4450	42	42	42	42	40	39	31	32	29	29
4460	29	21	21	19	11	12	10	10	10	10
4470	9	9	9	2	1	1	1	2	2	3
4480	9	10	11	11	18	19	19	19	21	28
4490	31	31	30	31	32	29	30	28	28	28
4500	27	21	20	21	17	11	10	11	10	11
4510	8	0	1	1	-2	-8	-7	-12	-12	-19
4520	-17	-20	-18	-20	-23	-27	-27	-27	-27	-27
4530	-27	-21	-20	-18	-19	-19	-9	-9	-10	-9
4540	-9	-1	1	1	9	10	9	10	9	10
4550	18	19	20	31	36	38	38	39	39	38
4560	41	40	38	36	32	32	30	32	32	30
4570	30	29	21	21	19	17	10	9	7	7
4580	0	1	-1	-10	-8	-11	-12	-20	-17	-18
4590	-19	-18	-17	-20	-17	-17	-20	-19	-11	-10
4600	-9	0	1	2	0	0	8	8	8	9
4610	10	8	6	2	2	1	0	1	0	0
4620	0	2	2	2	0	-2	-10	-9	-9	-7
4630	-9	-9	-7	-9	-9	-8	-7	0	0	0
4640	0	1	1	9	11	11	12	10	11	11
4650	12	18	18	18	19	20	20	20	21	21
4660	21	29	29	29	21	22	21	21	23	22
4670	21	19	19	12	11	11	11	8	8	5
4680	1	1	0	-7	-9	-8	-7	-10	-16	-17
4690	-17	-17	-18	-18	-16	-15	-11	-11	-10	-10
4700	-8	-7	-7	-8	-8	-8	-1	2	4	3
4710	10	12	14	12	12	12	11	14	13	12
4720	13	21	19	13	13	11	12	13	12	13
4730	10	10	4	1	-1	-7	-7	-9	-16	-17
4740	-17	-20	-20	-25	-25	-26	-26	-26	-28	-27
4750	-27	-26	-27	-24	-27	-25	-18	-16	-17	-15
4760	-8	-7	1	1	3	5	5	5	3	3
4770	14	13	13	13	13	13	14	14	14	14
4780	14	14	14	14	14	15	12	15	20	21
4790	22	23	22	23	22	24	24	24	24	20
4800	21	14	13	13	15	12	4	4	4	4
4810	2	1	1	1	0	0	0	0	1	0
4820	1	4	3	3	0	10	10	10	10	10

TO BE CONTINUED

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CONTINUED(S-211 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	23	24	24	24	32	32	33	34	34	43
5380	43	44	44	46	46	43	40	41	41	36
5390	35	34	32	26	26	24	24	21	15	17
5400	15	15	14	17	16	16	16	16	13	17
5410	16	13	15	16	16	16	16	16	13	13
5420	13	13	13	16	16	16	16	16	6	6
5430	17	4	6	5	5	5	7	12	12	12
5440	15	15	15	25	25	23	23	23	23	16
5450	26	26	25	17	17	24	24	21	16	16
5460	16	16	14	16	16	14	14	6	6	15
5470	6	7	6	6	14	14	14	6	6	15
5480	14	14	12	12	14	14	18	6	6	15
5490	14	12	12	12	14	14	14	6	6	15
5500	13	13	13	13	13	13	13	13	13	13
5510	13	13	13	13	13	13	13	13	13	13
5520	13	13	13	13	13	13	13	13	13	13
5530	13	13	13	13	13	13	13	13	13	13
5540	13	13	13	13	13	13	13	13	13	13
5550	13	13	13	13	13	13	13	13	13	13
5560	13	13	13	13	13	13	13	13	13	13
5570	5	7	5	5	7	7	7	7	7	7
5580	5	6	5	5	6	6	6	6	6	6
5590	6	6	6	6	6	6	6	6	6	6
5600	13	13	13	13	13	13	13	13	13	13
5610	6	6	6	6	6	6	6	6	6	6
5620	12	13	13	13	13	13	13	13	13	13
5630	15	13	13	13	13	13	13	13	13	13
5640	15	13	13	13	13	13	13	13	13	13
5650	15	13	13	13	13	13	13	13	13	13
5660	15	13	13	13	13	13	13	13	13	13
5670	4	7	4	4	4	4	4	4	4	4
5680	12	13	13	13	13	13	13	13	13	13
5690	17	16	16	16	16	16	16	16	16	16
5700	22	23	23	23	23	23	23	23	23	23
5710	23	23	23	23	23	23	23	23	23	23
5720	23	23	23	23	23	23	23	23	23	23
5730	22	23	23	23	23	23	23	23	23	23
5740	16	14	14	14	14	14	14	14	14	14
5750	4	4	4	4	4	4	4	4	4	4
5760	14	14	14	14	14	14	14	14	14	14
5770	14	14	14	14	14	14	14	14	14	14
5780	13	12	12	12	12	12	12	12	12	12
5790	11	12	12	12	12	12	12	12	12	12
5800	15	15	15	15	15	15	15	15	15	15
5810	13	13	13	13	13	13	13	13	13	13
5820	6	6	6	6	6	6	6	6	6	6
5830	6	6	6	6	6	6	6	6	6	6
5840	13	14	14	14	14	14	14	14	14	14
5850	13	14	14	14	14	14	14	14	14	14
5860	25	23	23	23	23	23	23	23	23	23
5870	15	13	13	13	13	13	13	13	13	13
5880	5	5	5	5	5	5	5	5	5	5
5890	5	5	5	5	5	5	5	5	5	5
5900	4	4	4	4	4	4	4	4	4	4

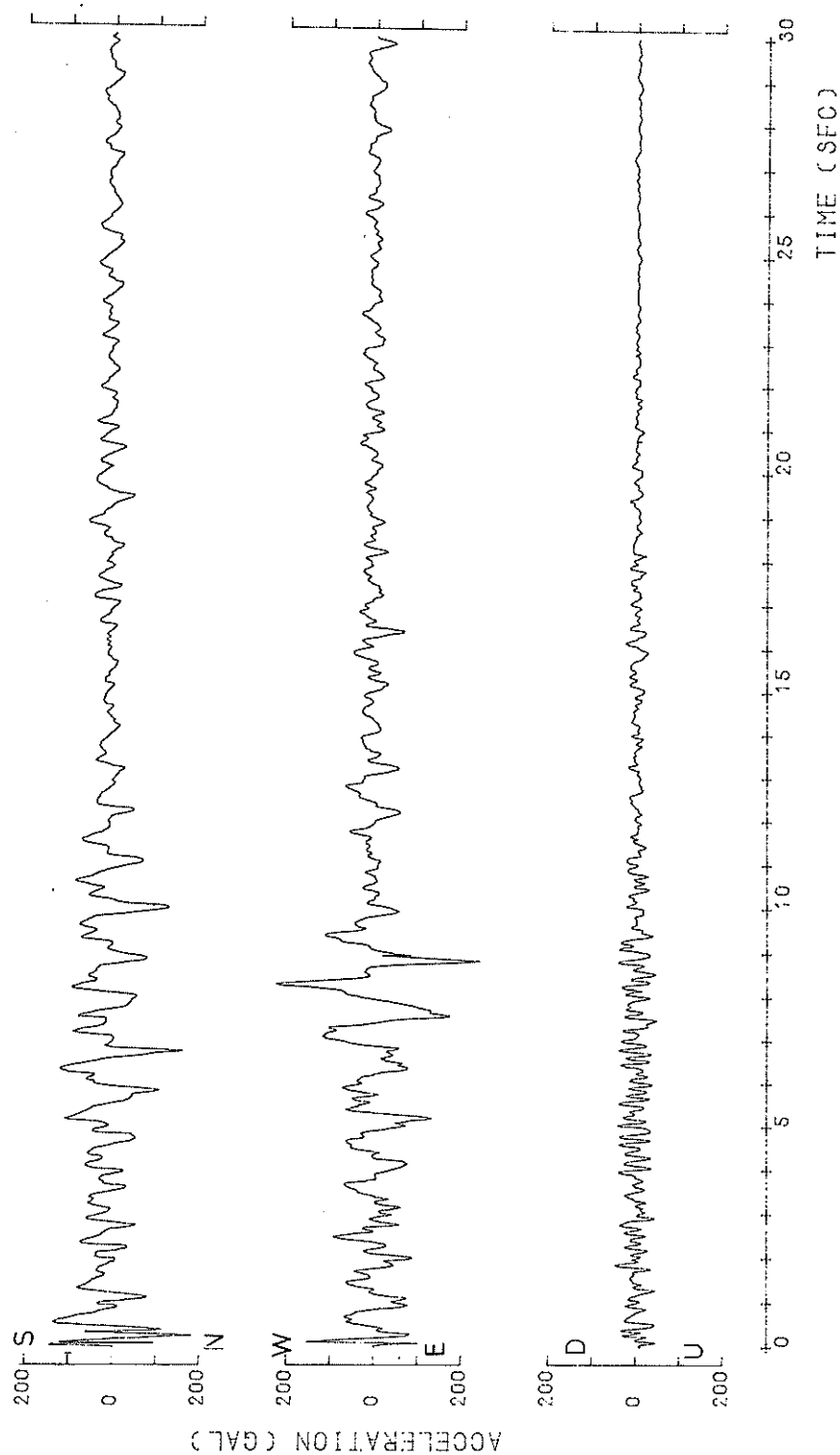
CONTINUED(S-211 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5910	5	4	4	3	3	5	5	2	2	2
5920	2	-4	-4	-5	-4	-7	-7	-7	-7	-13
5930	-14	-14	-13	-15	-16	-16	-16	-16	-16	-16
5940	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
5950	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
5960	11	12	12	18	17	21	21	23	23	23
5970	24	24	23	24	25	25	25	24	22	22
5980	24	24	22	22	22	22	22	22	22	22
5990	15	13	13	11	11	13	12	11	11	0

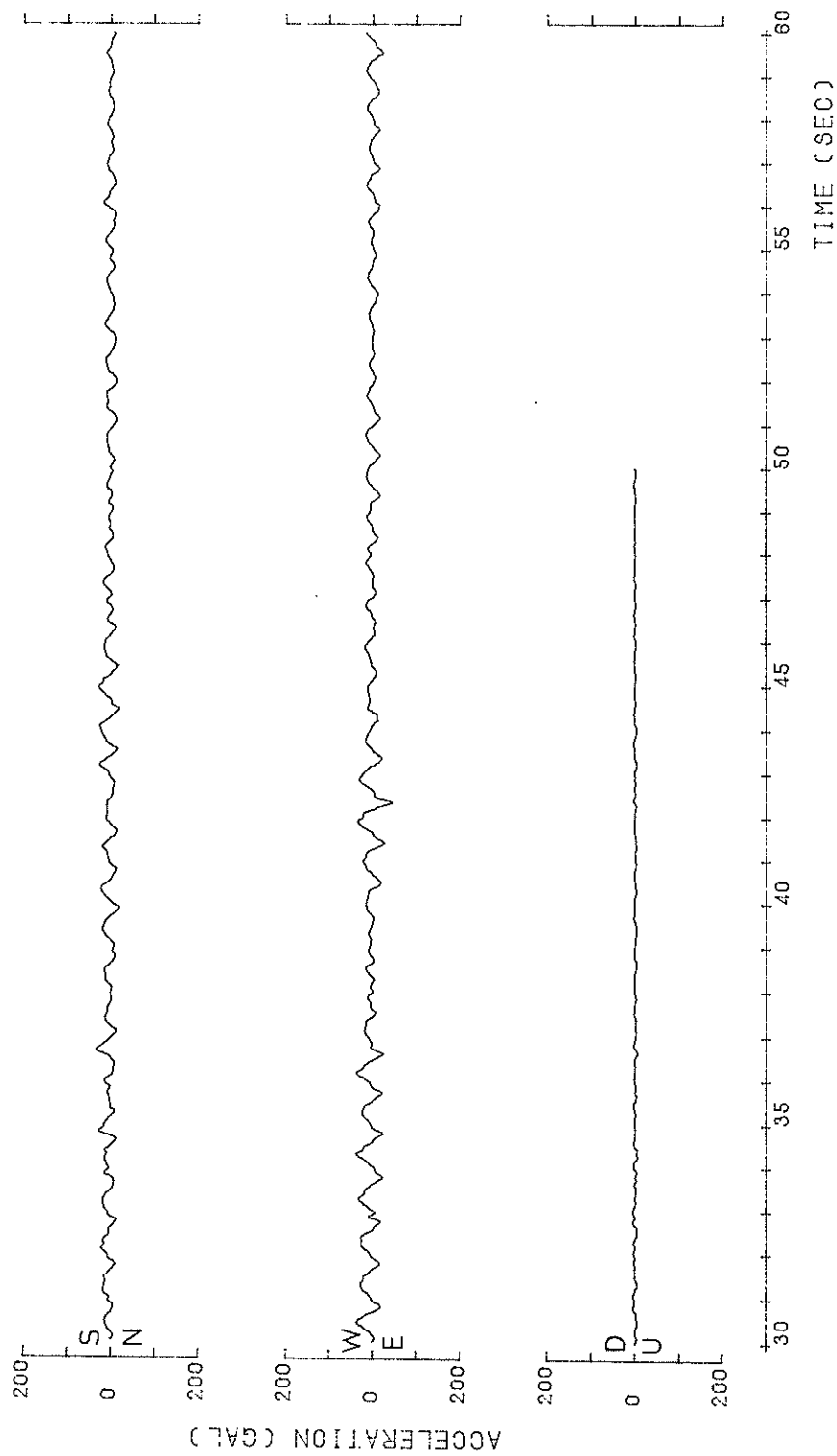
END

TO BE CONTINUED

S-213 HOSOSHIMA-S 1968-04-01-09-42

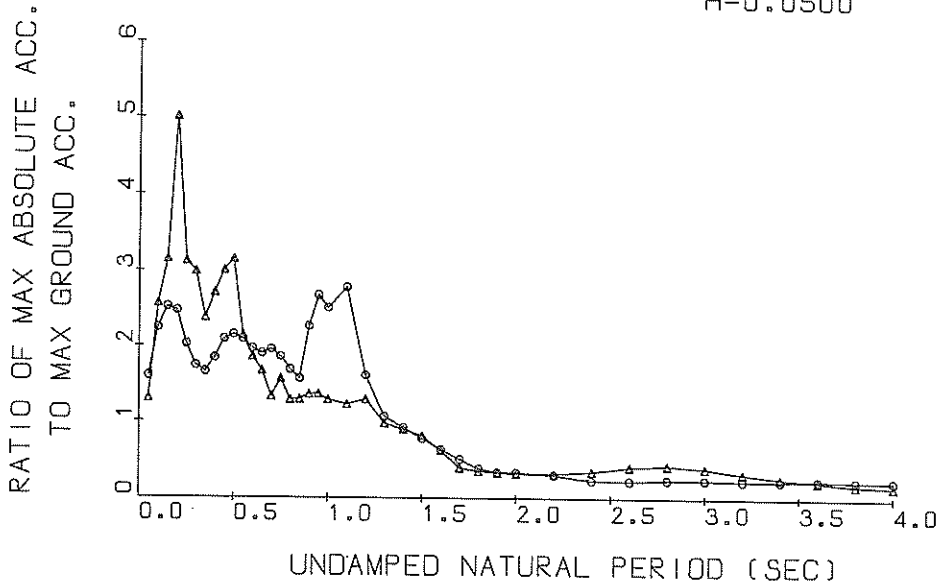


S-213 HOSOSHIMA-S 1968-04-01-09-42



S-213 HOSOSHIMA-S
1968-04-01-09-42

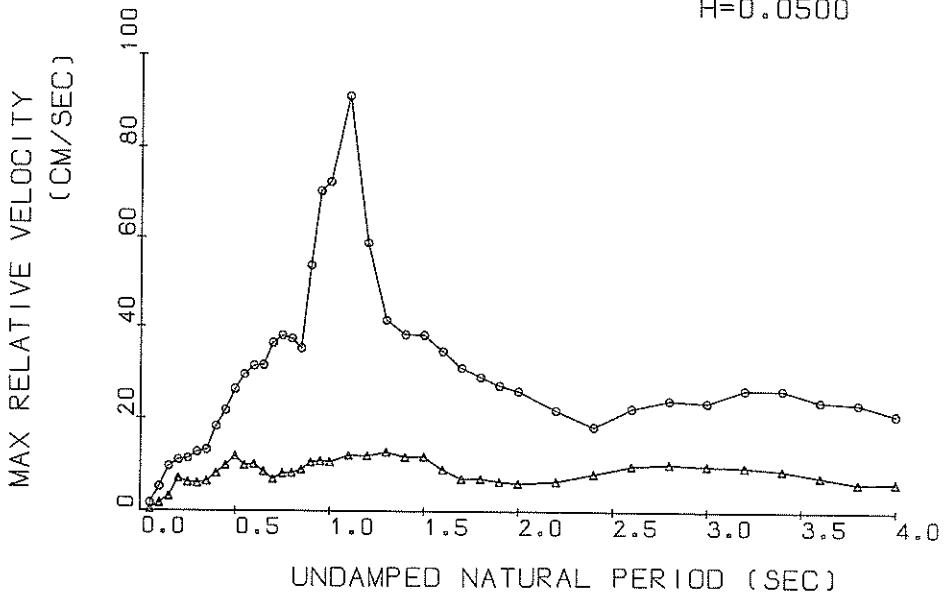
○ N-S
△ U-D
H=0.0500



Response Spectra

S-213 HOSOSHIMA-S
1968-04-01-09-42

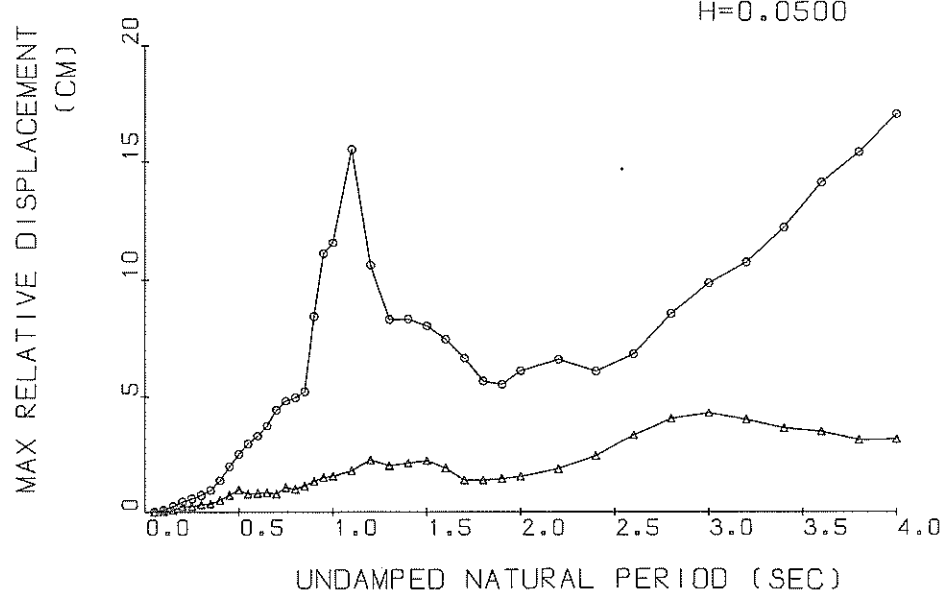
○ N-S
△ U-D
H=0.0500



Response Spectra

S-213 HOSOSHIMA-S
 1968-04-01-09-42

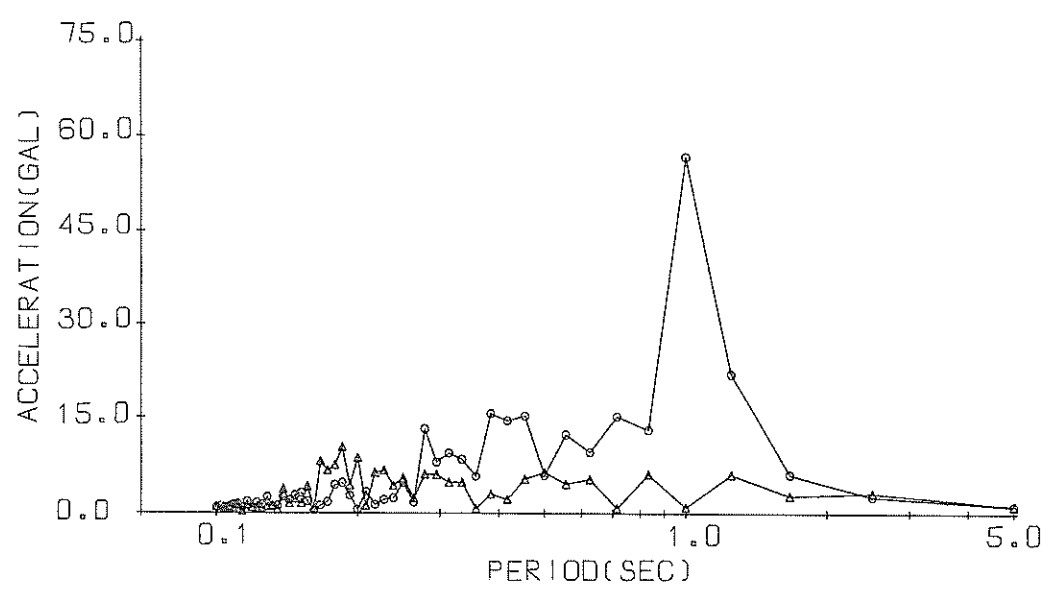
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-213

○ N-S TSK=4.00 TUS=5.00
 △ U-D TSK=4.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-213 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = HOSOSHIMA-S
 DATE AND TIME = 1968-04-01-09-42 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 47.55 (GAL)
 TIME LENGTH = 30.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	134.2	0.82	0.008	70.4	0.37	0.004	61.7	0.31	0.004	57.7	0.27	0.004	51.3	0.23	0.003
0.10	259.7	3.75	0.066	145.2	2.03	0.037	122.1	1.64	0.031	93.4	1.18	0.023	66.4	0.68	0.016
0.15	461.6	10.88	0.263	212.5	4.47	0.120	149.9	3.04	0.086	111.4	2.17	0.063	81.0	1.40	0.043
0.20	983.8	30.61	0.997	327.4	9.72	0.330	238.3	7.04	0.238	156.4	4.55	0.155	79.5	2.11	0.075
0.25	665.4	28.51	1.053	185.7	7.40	0.294	148.5	6.10	0.235	107.7	4.36	0.166	68.3	2.54	0.097
0.30	523.0	24.71	1.192	200.7	8.49	0.457	142.1	5.91	0.322	101.5	4.31	0.227	64.8	2.87	0.132
0.35	202.2	11.37	0.627	141.1	7.74	0.438	113.2	6.32	0.350	87.3	4.83	0.267	59.2	3.30	0.168
0.40	437.0	26.69	1.771	188.4	11.03	0.782	129.2	8.05	0.521	100.5	5.41	0.401	63.5	3.48	0.233
0.45	369.2	26.21	1.894	179.8	12.66	0.921	143.2	9.81	0.732	108.3	7.38	0.546	61.6	4.26	0.286
0.50	341.4	27.44	2.162	192.0	15.40	1.213	150.1	11.85	0.947	103.1	8.28	0.639	55.7	4.43	0.316
0.55	179.7	16.69	1.372	127.7	12.11	0.976	102.0	9.79	0.776	73.6	7.10	0.550	51.9	4.13	0.351
0.60	279.7	26.97	2.550	132.6	13.81	1.206	89.5	10.04	0.802	59.2	6.92	0.530	50.9	3.98	0.403
0.65	213.7	22.03	2.287	100.1	10.23	1.070	79.4	8.47	0.846	59.3	6.38	0.624	49.2	4.04	0.452
0.70	168.5	18.27	2.092	82.4	8.51	1.020	63.3	6.83	0.782	56.4	5.80	0.685	46.9	3.98	0.492
0.75	235.6	28.25	3.356	96.0	11.39	1.364	74.4	8.05	1.053	56.8	6.01	0.788	44.1	4.05	0.524
0.80	117.9	14.60	1.911	87.3	10.78	1.415	61.4	8.16	0.987	52.0	6.43	0.817	40.9	4.27	0.546
0.85	124.3	16.86	2.275	79.7	10.91	1.456	61.5	8.95	1.119	45.1	6.93	0.799	37.7	4.51	0.560
0.90	234.9	34.11	4.819	93.6	14.65	1.919	64.7	10.48	1.321	47.5	7.35	0.954	34.5	4.69	0.598
0.95	159.0	24.72	3.636	89.7	14.43	2.047	65.0	10.73	1.477	49.6	7.48	1.105	32.4	4.73	0.639
1.00	102.7	16.60	2.601	68.2	11.91	1.724	61.4	10.58	1.545	49.1	7.57	1.208	30.8	4.62	0.691
1.10	147.8	26.61	4.530	88.7	16.99	2.715	58.4	11.96	1.779	44.7	8.16	1.337	29.7	4.98	0.803
1.20	119.0	24.15	4.340	80.2	16.10	2.923	61.7	11.89	2.232	43.8	8.84	1.539	27.9	5.53	0.840
1.30	69.4	16.45	2.972	58.2	14.78	2.486	46.6	12.76	1.984	34.3	9.56	1.428	24.1	5.97	0.892
1.40	88.6	19.92	4.300	53.9	14.17	2.668	42.7	11.64	2.101	32.7	8.84	1.571	22.1	6.31	0.923
1.50	78.7	18.59	4.486	49.4	14.16	2.810	38.7	11.76	2.189	28.0	9.20	1.544	19.7	6.38	0.901
1.60	50.3	13.69	3.259	37.2	10.80	2.410	29.4	8.89	1.889	21.2	7.94	1.315	16.9	6.23	0.856
1.70	32.4	10.30	2.375	22.3	8.01	1.629	18.7	6.89	1.368	16.2	6.28	1.128	14.7	5.94	0.852
1.80	27.0	8.82	2.216	19.5	7.81	1.599	16.9	6.99	1.374	13.5	5.76	1.056	13.5	5.62	0.856
1.90	19.3	7.28	1.767	17.5	6.74	1.597	16.0	6.33	1.443	13.6	5.54	1.182	12.6	5.33	0.888
2.00	17.4	7.10	1.763	16.3	6.46	1.643	15.2	6.03	1.529	13.4	5.56	1.313	12.2	5.05	0.950
2.20	34.5	11.52	4.233	19.2	7.56	2.354	15.3	6.45	1.851	13.9	5.53	1.615	12.1	4.69	1.134
2.40	26.0	11.58	3.797	18.7	9.53	2.719	16.6	8.09	2.396	14.5	6.32	2.001	12.1	4.58	1.363
2.60	32.4	13.11	5.546	22.1	11.28	3.772	19.4	9.87	3.292	15.7	7.87	2.598	11.7	4.95	1.603
2.80	29.7	13.81	5.893	23.6	11.77	4.677	20.5	10.22	4.027	16.3	8.06	3.107	10.8	5.01	1.806
3.00	26.0	13.16	5.918	21.9	11.13	4.989	18.9	9.80	4.270	14.9	7.89	3.253	10.4	5.10	1.879
3.20	33.2	16.84	8.613	19.7	10.64	5.100	15.6	9.54	3.984	12.8	7.90	3.138	9.6	5.31	1.899
3.40	25.2	14.36	7.373	15.7	4.588	12.5	8.92	3.615	4.99	9.9	7.15	2.694	8.5	5.28	1.874
3.60	18.1	10.69	5.927	12.3	10.70	4.024	10.7	7.52	3.450	8.5	6.51	2.653	8.1	5.13	1.801
3.80	10.6	8.05	3.870	9.4	6.88	3.408	8.5	6.14	3.079	7.8	5.65	2.611	7.7	4.92	1.791
4.00	11.1	6.91	4.505	8.8	6.58	3.562	7.7	6.28	3.105	7.2	5.79	2.666	7.4	4.81	1.927

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RU = RELATIVE DISPLACEMENT (CM)

RECORD = S-213 COMPONENT = U-D STATION = HOSOSHIMA-S
 DATE AND TIME = 1968-04-01-09-42 TOTAL NUMBER OF DATA = 5000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-47	-92	-91	-85	-91	-115	-139	-207	-337	-422
10	-447	-397	-306	-151	-50	-3	5	-3	-25	-45
20	-116	-167	-112	-234	292	261	180	106	180	106
30	54	-15	-90	-112	-54	60	234	302	325	284
40	219	137	-223	-122	-223	-288	-355	-393	-413	-425
50	422	-402	-347	-248	-128	9	150	215	227	272
60	237	225	218	204	182	169	153	133	118	108
70	86	73	56	27	18	7	0	-23	-52	-84
80	-100	-138	-189	-226	-242	-215	-172	-121	-52	19
90	95	147	198	213	195	154	106	65	19	-6
100	-41	-63	-92	-72	-30	49	127	156	165	145
110	136	125	105	83	65	5	-26	-66	-90	-125
120	-157	-201	-250	-283	-333	-388	-431	-443	-399	-315
130	196	-91	-13	20	45	4	23	4	-35	-83
140	-127	-127	-73	-14	37	47	54	104	94	68
150	83	84	94	104	116	116	115	104	94	68
160	56	-38	34	25	34	44	57	65	55	25
170	-36	-119	-201	-274	-327	-345	-294	-193	-59	109
180	280	361	410	442	459	444	377	282	209	125
190	25	-32	-53	-25	16	49	66	55	55	-43
200	-74	-93	-107	-106	-63	36	87	95	65	36
210	-1	43	-197	-157	-208	-238	-287	-269	-173	-98
220	-21	65	138	198	227	243	220	184	134	57
230	-14	-65	-105	-118	-123	-94	-25	43	78	97
240	108	104	97	86	69	25	6	-64	-142	-203
250	-231	-198	-132	-42	55	159	218	249	252	221
260	181	121	55	-32	-74	-117	-124	-85	-26	54
270	141	242	291	326	341	351	338	309	268	234
280	224	213	181	124	67	-2	-226	-319	-397	-433
290	-337	-389	-321	-224	-125	-45	-33	-41	-115	-128
300	-119	-166	-198	-223	-186	-165	-147	-125	-115	-128
310	-136	-147	-164	-115	-84	-45	-25	-16	-16	-36
320	-62	-71	-94	-144	-213	-241	-200	-132	-74	111
330	24	32	43	53	64	86	124	154	179	194
340	206	225	238	240	209	163	125	77	36	5
350	-35	-87	-127	-160	-181	-198	-204	-167	-134	-92
360	-55	-15	2	13	14	43	57	45	24	-12
370	-33	-65	-109	-137	-156	-167	-164	-138	-104	-67
380	-44	-84	3	14	16	13	15	14	62	98
390	156	223	296	349	369	382	365	323	250	168
400	4	131	-263	-335	-351	-318	-265	-235	-189	-90
410	6	73	144	207	253	268	251	231	214	188
420	120	54	-32	-82	-149	-218	-268	-335	-337	-290
430	-228	-144	-45	47	130	205	226	235	215	155
440	184	145	106	73	32	15	-65	-83	-32	-95
450	-91	-86	-61	6	105	197	264	326	361	366
460	336	297	223	140	37	-97	-377	-320	-329	-312
470	-239	-114	36	195	310	337	349	364	353	301
480	202	96	-7	-120	-206	-283	-315	-319	-326	-329
490	-328	-323	-312	-301	-284	-266	-248	-197	-115	-21
500	110	342	403	388	328	291	217	113	-31	-140

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-213 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	26	34	8	-14	-61	-109	-151	-174	-187	-191
1060	-163	-103	-4	-22	-4	9	20	33	6	-56
1070	-108	-169	-17	-246	-270	-275	-212	-180	-121	-55
1080	27	76	109	140	164	177	185	185	184	179
1090	167	163	136	114	76	27	15	-26	-32	-41
1100	-49	-12	47	96	145	164	175	184	197	204
1110	195	195	195	194	186	181	153	115	48	-11
1120	-72	-104	-107	-104	-94	-84	-80	-74	-81	-80
1130	-72	-64	-53	-43	-53	-83	-121	-157	-185	-205
1140	-216	-224	-222	-201	-166	-143	-113	-84	-64	-34
1150	5	19	46	48	56	63	54	26	-22	4
1160	9	47	84	94	106	115	105	83	56	38
1170	5	-14	-23	-36	-43	-43	-42	-35	-41	-43
1180	-51	-51	-51	-51	-51	-50	-43	-43	-43	-43
1190	-50	-66	-117	-117	-104	-93	-74	-49	-20	-20
1200	-9	5	16	18	25	24	14	4	0	-6
1210	-16	-25	-66	-90	-105	-114	-124	-105	-92	-72
1220	-64	-62	-55	-43	-43	-46	-50	-43	-32	-23
1230	-5	6	16	25	34	45	49	57	70	85
1240	88	96	106	108	114	107	103	98	94	95
1250	107	118	128	138	138	138	129	125	103	103
1260	74	35	5	-26	-52	-74	-104	-125	-136	-145
1270	-156	-154	-146	-135	-119	-105	-105	-104	-107	-116
1280	-116	-105	-94	-84	-83	-80	-74	-74	-73	-72
1290	-65	-65	-65	-65	-71	-76	-81	-86	-92	-93
1300	-95	-93	-93	-93	-93	-93	-93	-93	-93	-93
1310	-26	-34	-43	-43	-43	-43	-43	-43	-43	-43
1320	77	99	135	154	157	163	159	142	104	54
1330	-2	-22	-25	-30	-15	0	16	24	26	29
1340	33	27	26	26	29	35	44	55	55	48
1350	34	28	17	15	15	18	25	36	39	45
1360	33	18	6	-3	-10	-16	-32	-46	-54	-73
1370	-92	-105	-116	-127	-126	-100	-44	-30	-19	-6
1380	-6	-23	-36	-56	-81	-105	-116	-125	-135	-145
1390	-155	-142	-114	-92	-10	47	75	95	106	85
1400	59	16	-36	-56	-63	-65	-64	-65	-65	-75
1410	-39	-34	-44	-43	-43	-54	-64	-64	-64	-64
1420	-75	-82	-70	-51	-34	-13	7	37	55	66
1430	80	95	97	94	84	79	75	69	65	50
1440	55	49	44	39	35	35	33	25	23	20
1450	27	36	47	49	56	56	49	38	28	17
1460	8	3	-26	-44	-45	-32	-22	-12	0	9
1470	15	9	-1	-16	-43	-63	-85	-107	-115	-115
1480	-125	-125	-127	-105	-62	-33	-2	18	25	27
1490	18	4	-14	-41	-65	-106	-124	-146	-159	-167
1500	-174	-174	-174	-174	-174	-174	-175	-146	-109	-14
1510	-44	-30	19	70	105	125	134	134	128	128
1520	125	115	104	86	58	28	5	-3	-15	-24
1530	-1	36	56	79	116	137	139	145	135	125
1540	98	77	66	45	24	5	6	9	17	25
1550	45	69	87	105	127	127	125	126	127	129
1560	129	128	125	114	106	105	95	84	73	58
1570	45	26	-4	-35	-63	-114	-125	-136	-155	-164
1580	-165	-164	-170	-174	-186	-197	-205	-217	-228	-247

TO BE CONTINUED

CONTINUED(S-213 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	-257	-270	-276	-274	-274	-210	-147	-139	-117	-94
1600	-83	-73	-62	-44	-24	-12	7	37	86	135
1610	175	188	210	236	265	235	263	193	142	135
1620	104	66	14	-25	-25	-26	-23	-23	-23	-15
1630	-125	-155	-168	-184	-194	-200	-268	-216	-263	-115
1640	-168	-187	-168	-140	-54	34	-14	134	198	137
1650	134	104	97	86	63	44	34	14	83	-70
1660	-69	-41	-50	-42	-34	-30	-22	-20	-66	-34
1670	-63	-63	-74	-74	-74	-74	-74	-74	-74	-74
1680	29	33	18	4	-4	-10	-21	-33	-33	17
1690	-74	-83	-106	-95	-95	-95	-95	-95	-95	-95
1700	95	105	118	125	117	109	104	76	58	35
1710	26	43	-26	-63	-60	-73	-81	-84	-105	-95
1720	-92	-85	-73	-71	-74	-73	-81	-84	-105	-95
1730	-64	-52	-31	-18	-44	-59	-66	-73	-83	-72
1740	7	-2	-3	-4	-6	-5	-7	-8	-9	-10
1750	115	115	115	120	123	116	104	87	65	44
1760	-3	-33	-91	-64	-106	-109	-105	-104	-104	-104
1770	-115	-140	-156	-166	-195	-208	-209	-193	-141	-54
1780	69	55	34	97	145	185	195	126	113	94
1790	55	54	48	29	-30	-93	-93	-73	-73	-73
1800	69	55	34	97	145	185	195	126	113	94
1810	-150	-154	-209	-200	-144	-164	-164	-73	-73	-95
1820	70	73	73	74	74	77	78	78	78	78
1830	77	73	74	75	74	77	78	78	78	78
1840	69	56	45	44	44	54	23	23	23	16
1850	16	15	15	8	8	11	6	6	6	-22
1860	-42	-55	-64	-64	-76	-116	-118	-106	-84	-74
1870	-64	-63	-43	-30	-30	-31	-59	-61	-70	-73
1880	-2	-4	-10	-14	-23	-41	-59	-61	-70	-73
1890	-81	-85	-90	-91	-82	-81	-75	-69	-63	-53
1900	-52	-51	-44	-44	-44	-44	-44	-44	-44	-44
1910	-20	-74	-65	-64	-64	-64	-64	-64	-64	-64
1920	-23	-14	16	24	35	48	56	47	49	47
1930	49	49	49	55	55	68	56	49	49	47
1940	63	24	-13	-35	-85	-126	-148	-147	133	133
1950	-109	-124	-136	-155	-170	-182	-183	-104	-187	-187
1960	-91	-62	-43	-32	-24	-41	-43	-44	-45	-45
1970	-43	-42	-33	-22	-20	-41	-43	-44	-45	-45
1980	45	44	44	39	26	26	26	19	48	46
1990	-45	-74	-85	-107	-116	-114	-125	-114	-108	-117
2000	-116	-114	-114	-115	-114	-115	-114	-108	-104	-83
2010	-22	-1	28	50	70	94	97	105	98	95
2020	79	66	39	16	0	0	0	-2	0	0
2030	5	14	18	18	17	6	0	0	0	7
2040	-10	-21	-48	-43	-52	-41	-32	-21	-11	-17
2050	18	19	27	27	26	20	21	21	21	17
2060	17	9	7	-9	-7	-5	-5	-5	-5	-5
2070	-7	-20	-21	-21	-21	-21	-21	-21	-21	-21
2080	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
2090	-104	-120	-132	-143	-162	-162	-159	-135	-111	-111
2100	-100	-70	-27	-28	-12	7	28	38	39	49
2110	39	31	28	16	12	12	30	31	31	29
2120	-31	-11	-8	1	2	2	21	30	31	29

TO BE CONTINUED

CONTINUED(S-213 U-D)

CONTINUED(S-213 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	29	19	21	9	-1	-11	-25	-30	-35	-36
2140	-29	-14	-78	0	10	5	-60	-65	-68	-50
2150	37	-63	-16	-84	-87	-100	-78	-89	-89	-89
2160	-10	-99	-77	-48	-16	-38	24	31	25	25
2170	10	14	11	5	3	14	20	31	41	41
2180	22	31	31	22	21	21	10	0	15	15
2190	41	-54	-54	-61	-68	-78	-66	-66	-65	-65
2200	-29	72	85	91	68	74	92	31	22	24
2210	52	12	10	7	13	20	23	35	39	22
2220	4	21	19	10	77	-18	-29	31	34	40
2230	31	-59	-59	-68	-58	-58	-59	-58	-60	-47
2240	-55	-60	-60	-60	-60	-68	-50	-50	-41	-60
2250	38	-30	-19	-12	42	17	-11	-40	-18	28
2260	-50	-57	-57	-40	-22	-10	-20	7	18	28
2270	17	10	16	17	0	-2	18	11	9	8
2280	33	-32	-14	-21	-21	-24	-29	-33	-32	-39
2290	-32	-16	-14	-21	-11	-11	-1	9	26	35
2300	26	32	30	6	18	14	14	20	25	25
2310	25	27	29	26	16	5	-5	-1	9	15
2320	-24	-33	-42	-35	-60	-94	-54	-54	-45	-45
2330	-19	-34	-34	-34	-12	-13	-12	-6	-10	-12
2340	49	-16	-16	-16	-13	-25	-25	-36	-36	-41
2350	-44	-53	-53	-53	-54	-56	-57	-56	-45	-36
2360	-33	-24	-14	-9	-9	-6	-5	-5	-6	-6
2370	16	-5	-4	-3	-3	-3	-3	-3	-3	-3
2380	16	-1	-1	-1	-1	-1	-1	-1	-1	-1
2390	-3	-1	-1	-1	-1	-1	-1	-1	-1	-1
2400	13	-2	-2	-2	-2	-2	-2	-2	-2	-2
2410	-3	-2	-2	-2	-2	-2	-2	-2	-2	-2
2420	-17	-23	-27	-31	-34	-34	-36	-33	-27	-17
2430	-4	-23	-23	-21	-14	-16	-14	-9	-3	-1
2440	-4	-16	-16	-16	-14	-16	-14	-11	-16	-16
2450	4	-3	-3	-3	-3	-3	-3	-3	-3	-3
2460	-1	-15	-11	-3	-3	-6	-7	-5	-5	-4
2470	2	-1	-1	-1	-1	-1	-1	-1	-1	-1
2480	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
2490	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
2500	-51	-50	-51	-50	-74	-74	-74	-74	-65	-44
2510	-61	-59	-51	-44	-43	-34	-34	-6	-6	-1
2520	16	15	14	11	3	-3	-10	-15	-14	-14
2530	-35	-45	-44	-44	-44	-41	-35	-32	-30	-22
2540	-9	-12	-9	-5	-1	-1	4	9	17	7
2550	6	19	14	14	0	4	2	5	17	17
2560	13	15	14	14	8	2	-2	-5	-5	-5
2570	-19	-22	-22	-22	-25	-23	-22	-24	-24	-24
2580	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
2590	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
2600	25	23	21	26	25	26	26	26	25	24
2610	6	6	6	6	4	4	4	4	4	4
2620	12	12	12	12	12	12	12	12	12	12
2630	12	12	12	12	12	12	12	12	12	12
2640	12	12	12	12	12	12	12	12	12	12
2650	12	12	12	12	12	12	12	12	12	12
2660	12	12	12	12	12	12	12	12	12	12

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-213 U-D)

CONTINUED(S-213 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	11	2	1	4	-5	-5	-2	1	4	6
3215	15	17	24	24	32	35	37	34	32	32
3220	23	17	1	25	-16	-16	-16	-16	-16	-22
3230	-35	-32	-31	-36	-43	-45	-44	-42	-39	-39
3240	-35	-35	-36	-38	-47	-47	-47	-47	-47	-47
3250	-49	-45	-45	-45	-51	-51	-51	-48	-47	-47
3260	13	31	41	46	51	51	45	41	34	32
3270	20	21	31	40	41	40	41	43	40	23
3280	10	41	41	40	42	39	41	24	43	41
3290	-15	-15	-15	-14	0	-3	-6	-10	-3	-15
3300	-12	-10	-17	-14	-3	-7	-10	0	-9	-9
3310	-10	-15	-17	-17	-20	-17	-17	-17	-18	-18
3320	-18	-15	-17	-17	-13	-6	-5	2	5	7
3330	-11	-15	-19	-20	6	9	9	-9	-16	-16
3340	-25	-20	-20	-25	-20	-20	-19	-8	0	0
3350	-38	-31	-28	-31	-29	-31	-35	-38	-41	-41
3360	38	-11	-28	-30	19	18	18	18	22	29
3370	27	20	26	28	19	12	29	30	30	30
3380	44	20	27	28	30	29	47	51	47	47
3390	-30	-39	-40	-47	-50	-50	-49	-47	-51	-47
3400	-46	-40	-40	-49	-36	-36	-40	-39	-39	-39
3410	-48	-41	-47	-51	-36	-36	-29	-29	-29	1
3420	8	16	21	20	21	21	29	22	22	22
3430	20	18	21	21	16	12	9	8	3	1
3440	0	8	0	-1	-1	0	-1	0	1	4
3450	8	2	1	2	0	0	2	0	0	2
3460	4	4	4	4	4	10	11	10	9	9
3470	18	9	7	7	5	6	6	6	6	6
3480	8	6	20	19	19	24	24	24	30	32
3490	33	33	39	40	37	41	35	30	30	32
3500	22	20	34	34	34	41	41	39	39	39
3510	-16	-17	-23	-27	-27	-24	-23	-16	-16	-16
3520	-16	-17	-25	-27	-26	-24	-23	-24	-16	-16
3530	-15	-14	-13	-14	-3	-4	-7	-6	-7	-7
3540	-17	-14	-13	-9	0	0	1	0	1	1
3550	12	17	17	21	21	21	13	10	10	15
3560	10	10	11	11	11	11	13	14	13	13
3570	9	17	17	17	4	2	2	11	4	2
3580	4	12	11	11	-3	-5	-11	-6	-7	11
3590	-3	-3	-5	-5	-5	-5	-6	-6	-6	-6
3600	-4	-2	-2	-5	-5	-5	-6	-6	-6	-6
3610	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
3620	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3630	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3640	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3650	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3660	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3670	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3680	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3690	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3700	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3710	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3720	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3730	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
3740	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-213 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	4	2	1	4	5	5	7	11	11	11
4300	11	14	14	12	14	14	12	12	11	11
4310	-5	-2	-5	-12	-14	-17	-12	-12	-16	-6
4320	-36	-12	-37	-36	-36	-37	-37	-37	-36	-25
4330	-15	-15	-15	-24	-24	-24	-24	-24	-24	-24
4340	24	24	24	24	24	24	24	24	24	24
4350	52	52	52	52	52	52	52	52	52	52
4360	52	52	52	52	52	52	52	52	52	52
4370	31	31	31	31	31	31	31	31	31	31
4380	13	13	13	13	13	13	13	13	13	13
4390	-18	-18	-18	-23	-23	-23	-23	-23	-23	-15
4400	-13	-13	-13	-26	-26	-26	-26	-26	-26	-15
4410	-13	-13	-13	-26	-26	-26	-26	-26	-26	-15
4420	24	24	24	24	24	24	24	24	24	24
4430	24	24	24	24	24	24	24	24	24	24
4440	23	23	23	23	23	23	23	23	23	23
4450	14	14	14	14	14	14	14	14	14	14
4460	-8	-8	-8	-9	-9	-9	-9	-9	-9	-9
4470	11	11	11	11	11	11	11	11	11	11
4480	10	10	10	10	10	10	10	10	10	10
4490	11	11	11	11	11	11	11	11	11	11
4500	-3	0	4	-3	4	3	-8	0	0	-7
4510	-7	0	-8	-6	-7	-7	-7	-6	-7	-5
4520	0	0	5	10	11	10	12	13	13	12
4530	21	19	22	22	22	22	22	22	22	22
4540	20	20	20	21	19	22	19	19	19	21
4550	20	19	12	9	5	10	10	9	9	9
4560	9	9	9	9	9	9	9	9	9	9
4570	9	9	9	9	9	9	9	9	9	9
4580	-10	-17	-18	-14	-10	-8	-17	-17	-20	-17
4590	-17	-17	-18	-14	-10	-15	-7	-7	-7	-7
4600	-9	-9	-8	-8	-5	-2	5	10	10	12
4610	9	14	20	22	29	30	30	19	11	11
4620	11	12	12	13	12	12	10	9	5	9
4630	9	1	2	0	0	0	0	0	0	0
4640	-5	-4	-5	-5	-4	2	1	4	5	8
4650	11	11	11	10	10	10	12	16	16	21
4660	19	25	27	20	22	20	20	13	10	5
4670	9	4	1	0	2	0	-7	-7	-15	-19
4680	-17	-20	-17	-17	-18	-18	-15	-15	-9	-8
4690	-7	-5	2	0	5	9	10	12	11	12
4700	15	19	20	19	20	20	19	20	19	12
4710	12	12	13	12	12	12	11	10	9	15
4720	-6	-3	-6	-7	-8	-13	-17	-16	-16	-16
4730	0	-16	-17	-16	-6	0	1	5	10	13
4740	14	16	20	21	15	3	2	20	20	20
4750	13	11	11	10	5	3	1	1	0	0
4760	0	-3	0	0	1	1	3	3	2	4
4770	5	-6	10	10	10	10	10	10	10	13
4780	11	4	1	-3	1	0	0	0	0	0
4790	0	-4	-4	-4	-6	-7	-7	-3	1	0
4800	2	3	3	3	3	3	6	10	11	11
4810	19	10	10	11	12	13	15	16	21	21
4820	21	14	13	13	10	1	3	0	-7	-5

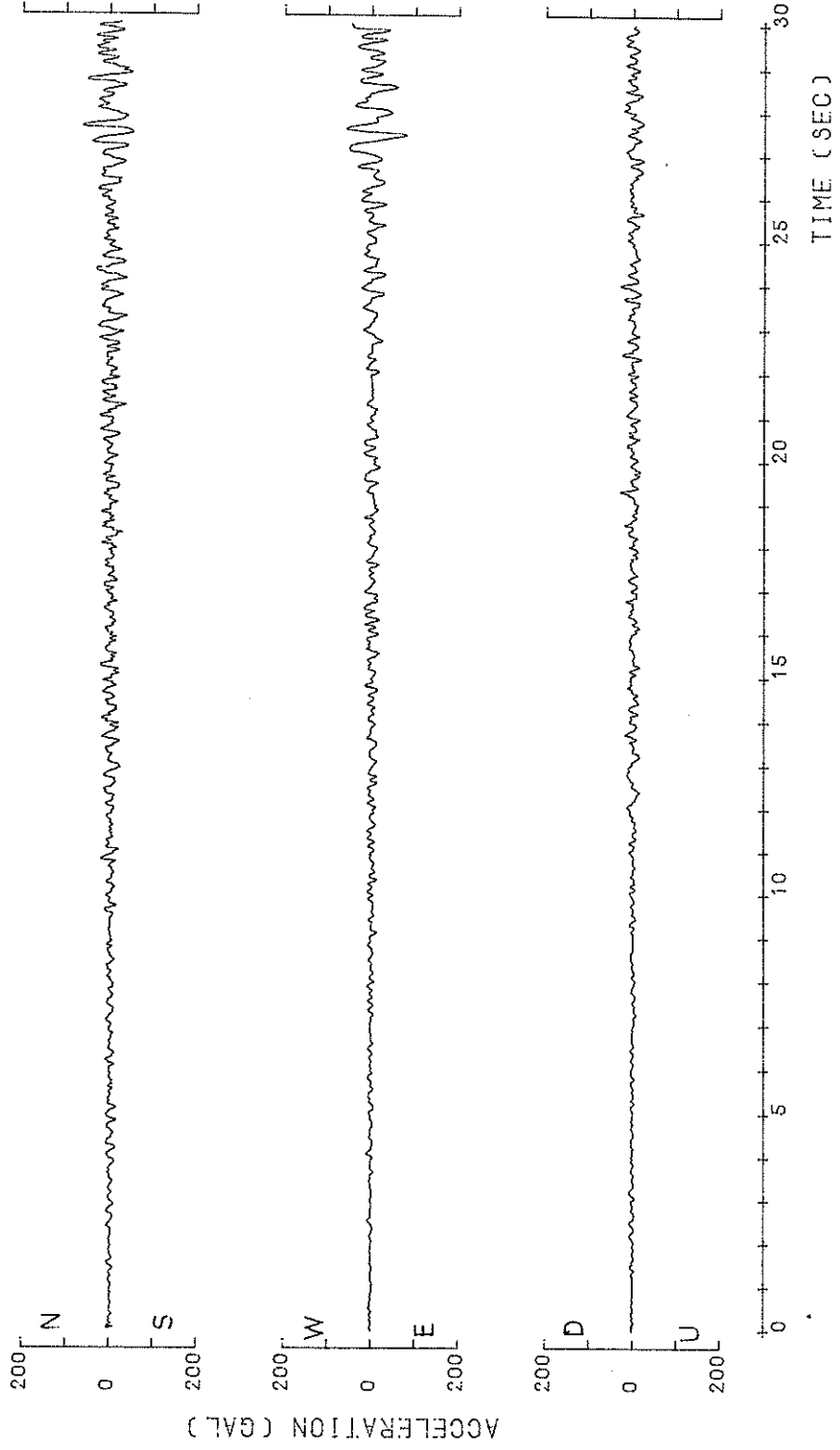
TO BE CONTINUED

CONTINUED(S-213 U-D)

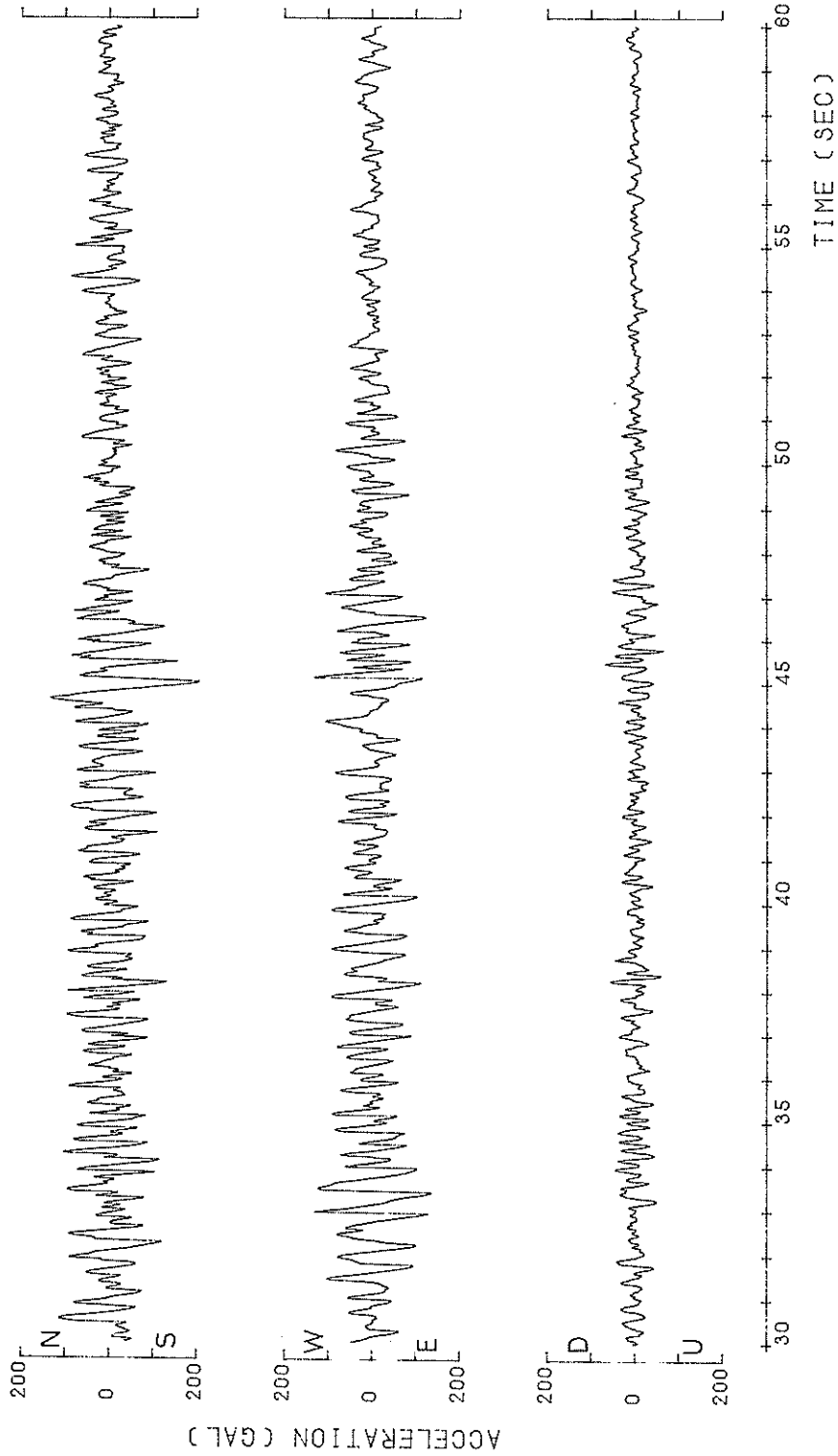
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	-4	-3	0	0	1	3	3	1	3	3
4840	3	3	3	2	2	1	3	0	0	0
4850	0	0	0	2	2	3	3	3	0	0
4860	1	0	0	-4	-4	-6	-5	-6	-6	-6
4870	-4	-3	0	0	0	2	3	3	1	2
4880	6	10	10	13	13	13	13	13	10	6
4890	5	5	5	6	10	13	10	13	10	11
4900	10	10	3	3	3	2	4	4	5	5
4910	4	4	6	4	3	3	2	3	3	3
4920	-7	-8	-7	-7	-7	-10	-10	-10	-8	-8
4930	-7	-8	-7	-5	-4	0	1	2	2	2
4940	0	0	0	5	10	10	10	12	9	9
4950	9	9	9	10	10	14	15	19	21	30
4960	30	30	29	23	21	20	19	20	19	12
4970	10	10	10	12	9	2	0	-4	-6	-8
4980	-8	-10	-9	-7	-10	-9	-9	-15	-15	-9
4990	-17	-17	-18	-19	-17	-17	-17	-17	-9	-9

END

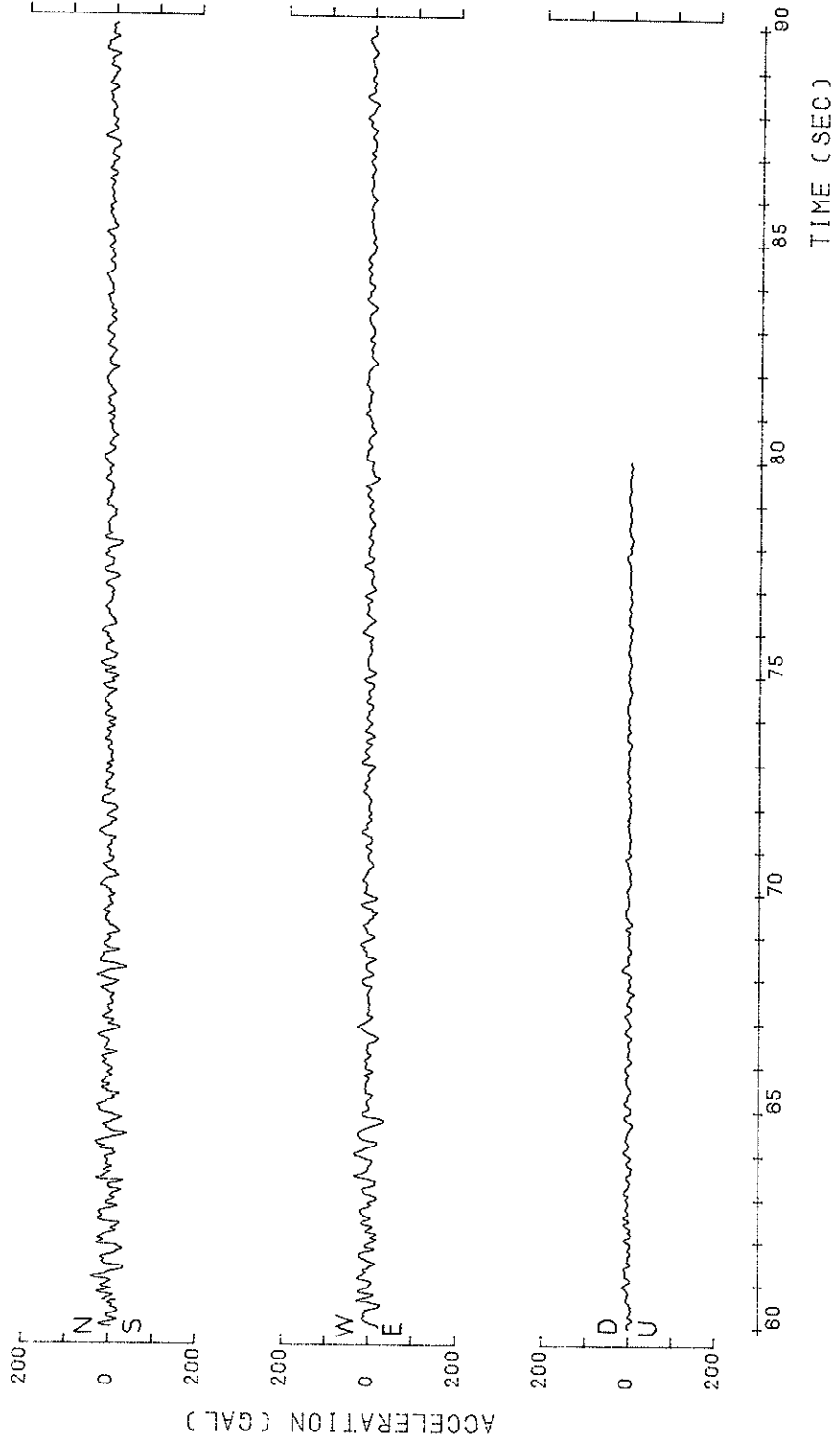
S-234 MURORAN-S 1968-05-16-09-49



S-234 MURORAN-S 1968-05-16-09-49

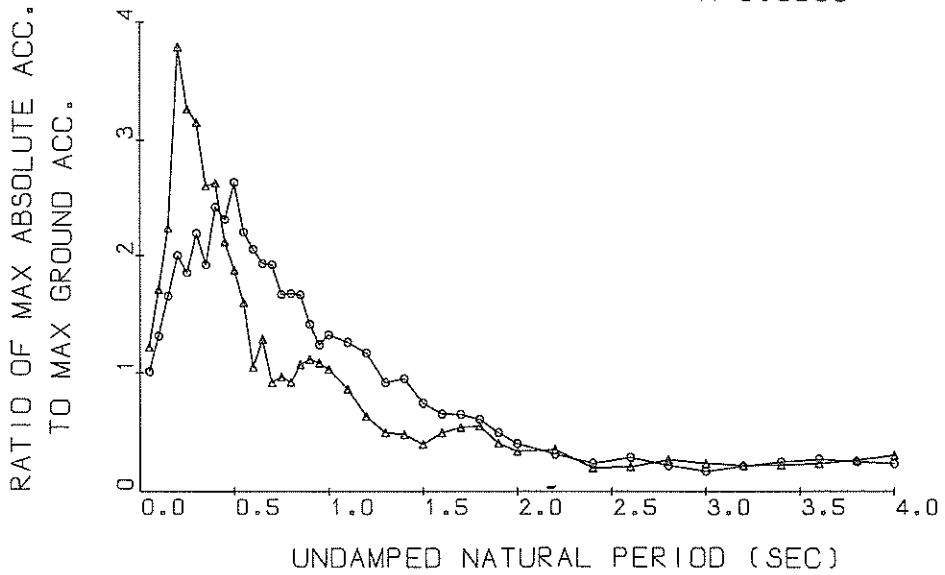


S-234 MURORAN-S 1968-05-16-09-49



S-234 MURORAN-S
1968. 5.16. 9.49

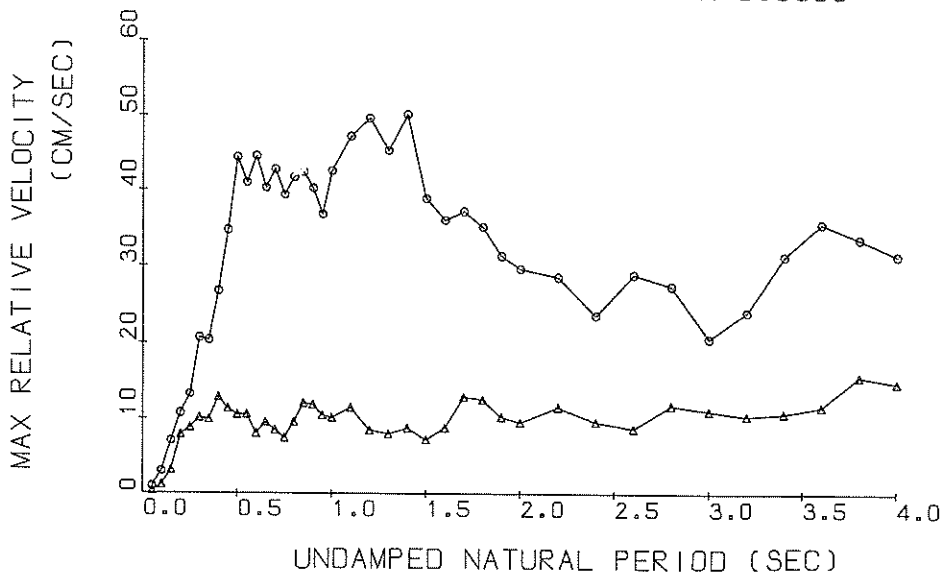
○ N-S
△ U-D
H=0.0500



Response Spectra

S-234 MURORAN-S
1968. 5.16. 9.49

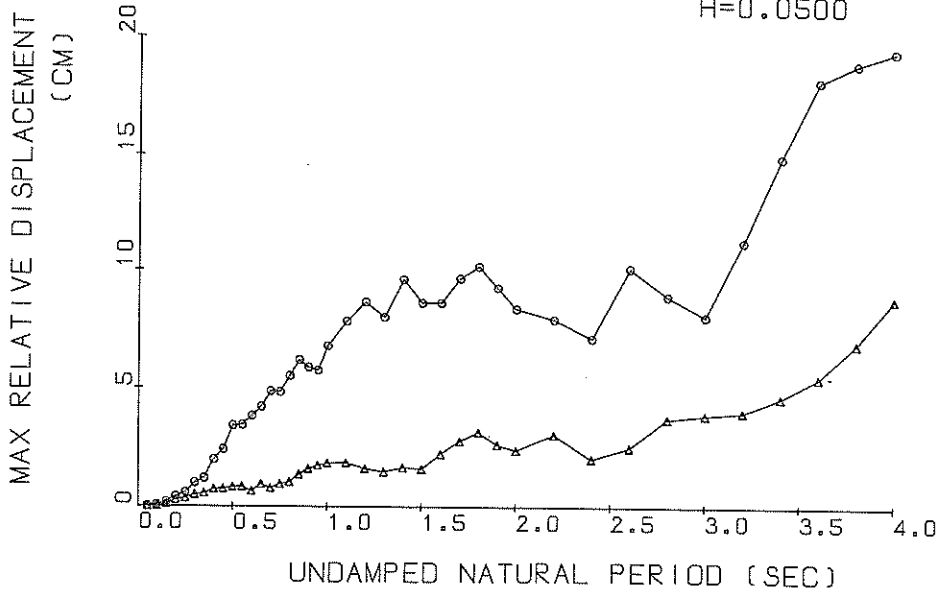
○ N-S
△ U-D
H=0.0500



Response Spectra

S-234 MURORAN-S
 1968. 5.16. 9.49

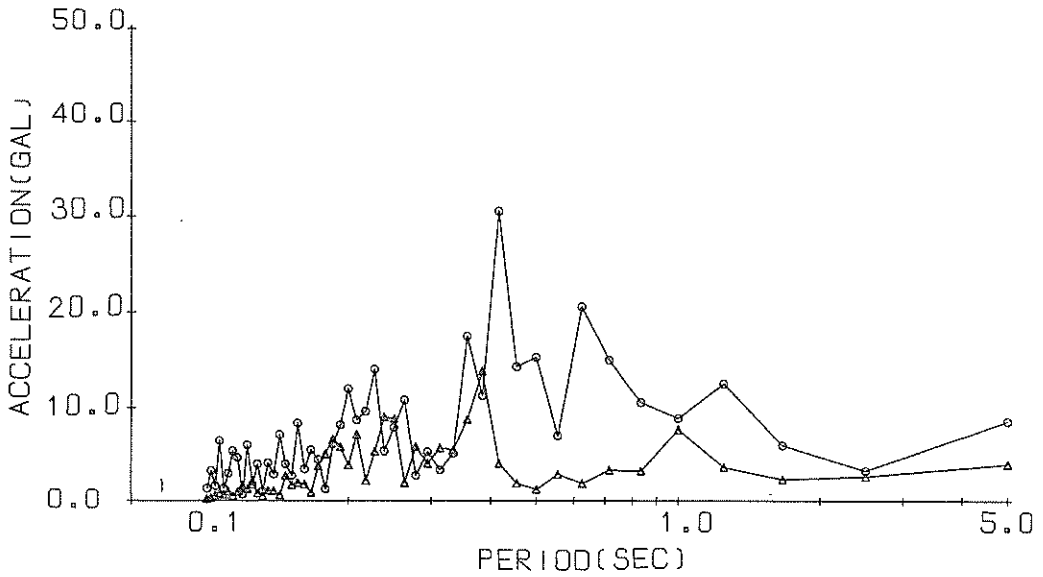
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-234

○ N-S TSK=45.00 TUS=5.00
 ▲ U-D TSK=45.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-234
 DATE AND TIME = 1968-05-16-09-49
 TIME LENGTH = 40.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR.ACC.
 CORRECTION = ARC.ERR.
 MAX.GROUND ACC. = 70.38 (GAL)

STATION = MUROGAN-S
 DAMPING = 0.025
 DAMPING = 0.050
 DAMPING = 0.100
 DAMPING = 0.250

SAMPLING INTERVAL = 0.0100 (SEC)
 SKIPPED LENGTH = 20.00 (SEC)

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	279.4	2.15	0.018	92.6	0.38	0.006	85.3	0.30	0.005	80.8	0.25	0.005	74.5	0.22	0.005
0.10	212.3	3.20	0.054	124.4	1.40	0.032	120.1	1.14	0.030	113.5	0.87	0.029	99.6	0.73	0.024
0.15	436.0	9.70	0.246	201.6	4.11	0.114	157.6	3.15	0.089	122.8	2.26	0.069	105.1	1.60	0.056
0.20	548.3	16.88	0.551	328.3	10.31	0.331	266.8	7.91	0.249	193.3	5.83	0.194	115.3	2.98	0.106
0.25	833.6	33.06	1.320	337.6	13.21	0.531	229.7	8.86	0.360	159.3	5.82	0.248	101.8	3.33	0.145
0.30	340.8	16.16	0.777	265.0	12.47	0.602	221.8	10.14	0.503	164.6	7.28	0.368	96.4	3.99	0.194
0.35	333.6	18.67	1.035	234.8	12.97	0.827	183.5	9.95	0.567	130.6	7.08	0.397	75.3	4.28	0.205
0.40	693.2	44.30	2.810	238.2	16.54	0.862	185.2	12.86	0.748	127.1	8.77	0.504	74.8	4.66	0.270
0.45	411.5	29.79	2.111	217.7	15.54	1.113	149.3	11.35	0.761	93.0	7.47	0.461	69.0	4.70	0.310
0.50	328.4	27.67	2.080	175.2	13.79	1.108	132.2	10.55	0.832	92.0	7.47	0.573	62.0	4.44	0.350
0.55	307.5	27.03	2.356	151.6	14.40	1.159	112.2	10.61	0.855	82.3	7.09	0.617	57.6	4.65	0.396
0.60	305.4	29.69	2.785	101.7	10.70	0.926	73.8	8.07	0.668	65.5	6.90	0.579	53.4	5.11	0.429
0.65	335.0	33.69	3.585	130.2	13.74	1.391	90.2	9.57	0.860	63.5	7.22	0.657	49.5	5.55	0.459
0.70	182.0	21.23	2.259	75.2	10.13	0.932	64.7	8.50	0.798	58.3	7.47	0.703	46.0	5.92	0.487
0.75	93.6	11.94	1.334	76.0	8.58	1.081	68.1	7.43	0.763	56.1	7.44	0.774	42.3	6.23	0.517
0.80	165.2	20.75	2.678	85.1	11.26	1.377	64.8	9.53	1.043	49.2	8.56	0.774	39.9	6.48	0.596
0.85	144.9	20.13	2.652	97.3	14.01	1.780	75.3	12.05	1.373	53.4	9.63	0.864	40.3	6.64	0.677
0.90	112.2	16.79	2.303	95.2	13.61	1.951	78.4	11.86	1.602	57.6	9.69	1.159	40.3	6.60	0.752
0.95	165.5	25.71	3.784	90.7	12.75	2.072	76.2	10.43	1.735	57.0	9.10	1.270	39.8	6.43	0.812
1.00	162.9	26.27	4.127	84.1	12.83	2.129	72.6	10.14	1.832	55.0	8.41	1.367	38.6	6.10	0.854
1.10	138.9	26.40	4.259	76.6	13.17	2.346	60.7	11.44	1.851	43.2	8.24	1.290	34.4	5.28	0.883
1.20	85.9	17.87	3.135	54.5	11.28	1.986	44.6	8.48	1.608	36.4	6.46	1.265	29.7	5.20	0.880
1.30	62.5	12.70	2.677	45.3	9.11	1.938	35.0	8.01	1.486	27.6	6.61	1.165	26.7	5.41	0.910
1.40	77.4	17.72	3.840	43.3	11.11	2.147	33.9	8.77	1.669	27.2	7.06	1.312	25.0	5.84	0.960
1.50	53.5	12.69	3.051	36.3	8.96	2.064	28.2	7.27	1.597	25.7	6.88	1.276	23.6	5.89	1.052
1.60	49.6	12.85	3.217	42.5	10.95	2.746	34.9	8.82	2.234	26.6	7.77	1.616	23.3	6.15	1.172
1.70	99.0	27.17	7.250	53.8	16.76	3.935	38.1	12.84	1.969	28.1	9.48	1.969	23.1	6.33	1.290
1.80	84.9	24.75	6.966	49.3	15.13	4.040	39.0	12.48	3.165	29.3	9.58	2.279	22.5	6.30	1.377
1.90	31.7	10.98	2.903	31.4	11.37	2.861	28.9	10.27	2.632	25.6	8.46	2.209	21.5	6.29	1.418
2.00	28.8	12.35	2.920	24.4	9.98	2.461	24.0	9.53	2.406	22.0	8.74	2.148	20.1	6.71	1.417
2.20	53.6	19.97	6.568	32.8	13.93	4.005	25.3	11.57	3.059	19.8	9.64	2.313	17.0	7.30	1.454
2.40	18.6	8.75	2.719	13.7	9.02	1.991	14.3	9.59	2.041	15.1	9.36	2.046	14.1	7.71	1.661
2.60	22.1	9.18	3.784	17.6	7.71	3.002	15.0	8.71	2.521	14.3	9.15	2.321	13.8	7.96	1.858
2.80	37.4	18.25	7.431	22.6	13.76	4.478	19.0	11.75	3.728	15.8	10.01	2.970	13.4	8.15	2.027
3.00	31.3	16.77	7.139	20.4	12.04	4.634	17.1	11.04	3.882	15.1	9.80	3.228	12.8	8.24	2.130
3.20	18.0	10.97	4.671	16.1	10.92	4.164	15.6	10.40	4.011	13.9	9.04	3.530	11.9	8.27	2.321
3.40	21.3	12.71	6.245	18.0	11.69	5.265	16.0	10.76	4.673	14.0	9.14	3.960	11.1	8.32	2.593
3.60	26.9	17.10	8.826	20.2	13.12	6.634	16.8	11.61	5.674	13.8	10.45	4.366	11.0	8.37	2.925
3.80	35.3	25.41	12.927	24.9	19.31	9.092	18.9	15.61	6.886	13.6	11.74	4.834	11.1	8.30	3.316
4.00	43.6	28.96	17.676	29.1	18.84	11.771	21.8	14.75	8.810	15.5	11.18	6.010	11.2	8.04	3.693

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-234 COMPONENT = U-D STATION = MIURORAN-S
 DATE AND TIME = 1968-05-16-09-49 TOTAL NUMBER OF DATA = 8000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	24	25	16	25	28	14	6	12	14	
10	16	14	13	15	15	4	-5	-7	-16	
20	15	7	-3	5	15	25	15	14	13	
30	40	5	11	13	25	28	36	36	4	
40	27	14	13	14	-5	-3	14	42	20	
50	6	16	14	14	4	16	14	43	40	
60	16	15	13	15	4	5	6	35	26	
70	16	14	14	15	10	12	-8	28	8	
80	2	5	13	14	15	12	42	41	2	
90	2	4	5	6	4	12	-7	32	11	
100	2	3	3	5	11	13	16	41	1	
110	4	3	0	-6	-4	5	3	51	0	
120	5	4	3	5	13	13	26	46	-6	
130	27	14	16	6	-9	-34	-24	11	17	
140	3	15	36	47	56	46	50	24	22	
150	27	20	14	15	16	27	14	5	13	
160	4	3	-14	-17	-25	-27	-24	10	12	
170	-4	4	5	16	13	13	-19	12	11	
180	-5	2	-9	-13	-16	-15	-17	8	0	
190	-5	-8	-6	-6	6	3	3	0	2	
200	-6	-8	-6	-5	-6	58	68	15	8	
210	21	28	37	46	37	17	-6	-4	-6	
220	-22	-24	-23	-23	-17	-14	-4	-3	-7	
230	16	25	37	40	57	58	69	76	66	
240	61	58	51	40	28	4	-13	-16	-22	
250	-25	-23	-24	-22	-26	-23	-25	-24	-22	
260	-16	-14	3	6	30	36	31	30	17	
270	15	5	6	3	3	4	4	3	4	
280	6	14	16	30	37	48	45	35	28	
290	6	4	-13	-33	-37	-35	-26	-16	-4	
300	26	4	38	50	58	66	71	75	76	
310	76	75	65	59	48	36	28	14	5	
320	-5	-3	-3	-3	-4	-17	-7	-5	-4	
330	340	7	2	2	6	12	12	12	12	
340	-6	-6	-3	-3	-8	-12	-8	-8	-8	
350	27	30	26	21	25	17	15	28	25	
360	-12	-12	-18	-14	-4	-4	14	21	26	
370	27	27	18	11	4	5	5	5	5	
380	31	26	18	14	14	12	7	7	7	
390	-11	-13	18	15	17	14	29	41	29	
400	37	33	30	30	39	5	-3	-6	-5	
410	-4	-3	-3	-5	-4	-3	-3	-3	-3	
420	0	0	1	7	19	27	30	19	19	
430	15	11	7	8	10	2	-3	-2	-2	
440	460	18	28	8	33	31	17	9	9	
450	9	9	16	19	8	8	0	0	0	
460	490	6	6	6	6	6	6	6	6	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-6	-4	-6	-7	-4	-1	2	3	5	-3
1060	-17	-31	-47	-54	-47	-47	-19	-19	-3	-3
1070	5	4	5	5	6	6	12	5	5	5
1080	-4	-8	-9	-7	-6	-9	-14	-7	-3	-3
1090	1	4	5	26	30	30	48	40	60	76
1100	-7	75	5	46	15	5	-3	-3	-5	-14
1110	-15	-26	-26	-24	-16	-5	36	50	68	75
1120	78	74	67	48	14	-3	-14	-46	-33	-57
1130	-66	-63	-62	-52	-23	-15	-6	2	13	15
1140	13	12	4	3	-4	-4	-15	-36	-65	-69
1150	-73	-76	-76	-73	-72	-53	-35	-33	-28	-23
1160	-25	-28	-31	-34	-33	-33	-29	-35	-39	-39
1170	-43	-37	-34	2	30	36	2	13	3	3
1180	-7	-3	6	23	32	40	56	59	61	69
1190	70	65	59	57	61	66	71	77	74	76
1200	82	95	101	118	126	125	116	109	97	95
1210	87	77	50	15	12	13	15	15	3	-16
1220	-36	-38	-41	-45	-45	-56	-65	-75	-73	-76
1230	-75	-75	-80	-93	-96	-123	-134	-144	-141	-145
1240	-134	-117	-99	-84	-76	-98	-50	-45	-36	-23
1250	-9	16	25	35	23	24	12	2	0	-6
1260	-6	-4	2	12	12	36	56	58	56	55
1270	65	77	89	94	96	97	105	114	125	126
1280	121	116	116	115	125	118	115	104	94	86
1290	76	79	84	94	105	107	103	94	83	60
1300	43	23	23	29	34	38	36	22	14	5
1310	-4	-25	-36	-49	-66	-87	-100	-116	-136	-145
1320	-147	-138	-136	-134	-126	-124	-125	-118	-107	-82
1330	-7	2	20	13	14	8	4	12	8	-6
1340	-17	-31	-35	-27	-16	0	12	12	14	13
1350	18	23	34	29	62	45	3	-28	-49	-68
1360	-78	-68	-48	-9	13	23	35	47	73	174
1370	185	190	164	133	106	92	93	83	68	52
1380	11	-15	-22	-36	-37	-40	-49	-59	-73	-79
1390	-78	-75	-66	-60	-53	-47	0	45	55	65
1400	75	74	72	51	36	32	33	37	44	46
1410	54	61	57	51	-6	-39	-92	-109	-116	-97
1420	-77	-49	-11	2	20	43	63	86	96	98
1430	95	82	77	56	49	41	34	3	-20	-72
1440	-98	-118	-116	-116	-110	-108	-96	-88	-78	-68
1450	-55	-48	-37	-68	-29	0	-7	-8	-0	-90
1460	-106	-108	-88	-68	-68	0	11	16	23	32
1470	140	140	18	20	23	40	84	112	113	103
1480	82	57	51	36	36	42	49	54	44	37
1490	34	44	55	38	75	55	44	50	61	64
1500	64	64	59	32	20	40	-17	-40	-58	-49
1510	-9	33	44	44	77	74	55	44	11	-17
1520	-40	-68	-117	-134	-136	-129	-120	-97	-55	-40
1530	-10	0	3	-7	-19	-12	-7	-1	0	-6
1540	11	22	10	-1	-18	-27	-22	-19	-18	-20
1550	-26	-27	-20	-22	-18	-10	-7	3	2	2
1560	81	83	76	71	66	65	62	87	82	82
1570	57	62	73	75	84	82	83	72	67	63

TO BE CONTINUED

CONTINUED(S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	54	52	41	36	37	36	34	34	10	-10
1600	-27	-48	-49	-64	-68	-65	-49	-40	-47	-47
1610	-72	-108	-137	-148	-140	-126	-85	-80	-80	-81
1620	-9	-3	12	19	19	19	19	19	19	19
1630	-66	-47	-40	-40	-41	-38	-34	-34	-34	-34
1640	92	92	92	92	92	92	92	92	92	92
1650	28	33	43	58	56	63	42	22	24	24
1660	0	33	43	58	56	63	42	22	24	24
1670	10	54	85	123	151	153	153	153	153	153
1680	3	17	16	73	84	82	73	44	12	12
1690	-61	-75	-78	-81	-67	-27	-25	-25	-25	-25
1700	35	24	24	-21	-44	-20	-18	-67	-84	-84
1710	-88	-65	-75	-60	-47	-49	-27	21	52	52
1720	63	78	93	106	112	104	85	25	52	52
1730	34	11	-25	-59	-92	-107	-90	-71	-59	-39
1740	-24	-17	-2	0	0	0	0	0	0	0
1750	42	34	33	40	47	50	53	55	55	55
1760	54	54	58	64	65	68	68	68	68	68
1770	170	170	170	170	170	170	170	170	170	170
1780	-79	-79	-29	0	2	-27	-85	-60	-88	-108
1790	-110	-104	-95	-85	-71	-55	-26	14	44	44
1800	78	68	62	11	-5	-25	-29	-20	-10	-6
1810	-11	-6	-105	-4	5	12	24	24	24	24
1820	-78	-101	-80	84	95	108	115	93	99	83
1830	89	89	89	89	89	89	89	89	89	89
1840	33	25	19	13	14	18	12	12	34	34
1850	107	134	185	192	156	118	65	56	51	74
1860	36	25	24	2	0	-18	-35	-54	-61	-14
1870	-74	-77	-57	-37	0	-15	11	0	-15	-15
1880	-34	-44	-74	-58	-87	-85	-73	0	-57	-57
1890	-85	-85	-79	-89	-85	-86	-86	-86	-86	-86
1900	-102	-86	-50	-47	-34	-23	-12	-11	-17	-17
1910	-31	-35	-26	-26	-14	3	14	14	14	14
1920	90	114	115	96	88	97	138	204	259	277
1930	289	244	161	82	30	-15	-13	-16	-107	-110
1940	-103	-66	-66	-66	-66	-66	-66	-66	-66	-66
1950	104	25	39	48	54	42	4	4	5	5
1960	-28	-31	-78	-98	-117	-135	-139	-135	-133	-73
1970	-47	-58	-59	-60	-36	-19	-15	-15	-15	-15
1980	-80	-58	-47	-44	-48	-30	-16	-16	-16	-16
1990	53	51	45	29	49	14	16	21	24	26
2000	-85	-107	-109	-97	-84	-70	-48	-48	-48	-48
2010	29	55	66	54	50	44	38	13	17	14
2020	-16	4	4	4	4	4	4	4	4	4
2030	33	39	62	104	125	127	135	122	116	96
2040	-77	-40	-22	10	83	51	-58	-58	-58	-58
2050	-57	-127	-142	-119	-87	-38	5	91	82	90
2060	20	2	12	42	42	37	64	50	48	28
2070	-65	-39	-28	0	83	57	-54	-50	-48	-48
2080	-39	-28	0	31	63	18	39	35	35	35
2090	7	-44	-72	-88	-104	-117	-146	-146	-146	-146
2100	-74	44	91	81	104	111	146	146	146	146
2110	112	101	91	81	73	63	41	35	33	33
2120	-8	-7	-9	-12	-30	-49	-69	-80	-90	-90

TO BE CONTINUED

CONTINUED(S-234 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-97	-100	-97	-76	-61	-59	-66	-68	-60	-29
2140	-9	33	80	70	80	80	80	71	30	-17
2150	-57	-79	-87	-72	-64	-30	-18	-1	43	80
2160	83	82	72	57	33	20	11	-6	-7	-22
2170	-40	-68	-68	-56	-48	-34	-44	-47	-68	-49
2180	-39	-18	20	32	37	44	57	61	62	61
2190	48	118	111	76	92	106	109	106	46	82
2200	112	118	111	87	66	117	122	125	-22	-18
2210	17	2	13	22	22	22	29	33	19	-45
2220	13	24	42	37	34	36	33	31	19	19
2230	136	161	177	166	166	138	86	-23	13	102
2240	176	199	258	251	251	229	184	112	71	24
2250	14	13	22	23	23	12	-7	-35	-60	-31
2260	-90	-6	105	-113	-104	-87	-75	-58	-60	-31
2270	-25	34	101	123	133	122	110	70	52	31
2280	22	-6	-55	-87	-117	-122	-119	-88	-88	-24
2290	10	3	23	33	44	42	34	24	13	11
2300	10	3	4	-5	-9	-16	-24	-37	-46	-48
2310	-37	-26	4	-24	-14	-14	-6	-6	-7	-18
2320	-8	4	32	92	113	110	102	92	75	65
2330	75	82	92	92	91	83	42	21	24	-17
2340	-8	-6	-6	3	20	24	23	24	24	34
2350	-14	-28	-99	-113	-119	-115	-116	-124	-127	-134
2360	-136	-128	-87	-136	-103	162	174	189	205	205
2370	201	185	149	-4	-26	-49	-78	-105	-136	-159
2380	-164	-180	-154	-132	-109	-85	-67	-58	-47	-27
2390	8	42	72	84	101	166	232	268	294	294
2400	271	237	184	129	71	99	-19	-79	-101	-98
2410	-98	-98	-94	-81	-86	-116	-58	-37	-7	23
2420	49	85	104	117	121	119	111	86	66	53
2430	15	-20	-58	-57	-67	-66	-58	-45	-36	-30
2440	-26	-27	-25	-16	-16	-6	21	-83	-69	85
2450	88	79	45	14	1	-8	-35	-83	-115	-125
2460	-127	-134	-130	-126	-106	-74	-66	-65	-64	-72
2470	-65	-47	-46	-44	-44	-46	-52	-57	-57	-56
2480	-57	-60	-55	-46	-44	-37	-26	-16	-6	7
2490	21	14	8	-6	-16	-8	9	24	35	35
2500	32	62	93	133	134	130	122	56	54	55
2510	31	37	44	42	51	54	55	64	85	100
2520	113	120	110	110	61	32	21	8	3	3
2530	0	-6	-26	-85	-106	-108	-118	-125	-120	-105
2540	-38	-27	-26	-31	-25	1	39	44	92	131
2550	152	153	150	162	127	111	100	94	61	18
2560	-68	-147	-192	-202	-227	-227	-191	-134	-54	-47
2570	-77	-77	10	11	11	7	-23	-37	-46	-34
2580	-57	-51	19	71	71	71	51	31	31	14
2590	10	12	23	28	39	59	59	73	72	71
2600	78	71	61	54	33	21	12	13	17	20
2610	289	44	62	68	54	33	44	64	84	68
2620	89	82	89	82	93	34	32	32	33	34
2630	34	34	42	71	78	74	71	52	24	13
2640	2	3	4	0	-5	-17	-45	-73	-85	-84
2650	-36	-28	-35	-55	-88	-109	-129	-148	-157	-177
2660	-196	-201	-199	-191	-184	-168	-150	-134	-115	-95

TO BE CONTINUED

CONTINUED(S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	-86	-59	-5	-5	28	53	70	74	74	64
2680	13	-37	-108	-129	-150	-150	-178	-210	-227	-216
2690	-195	-166	-134	-28	23	71	88	93	88	82
2700	81	104	122	122	118	122	144	168	167	167
2710	160	146	121	199	81	52	40	22	13	10
2720	2	3	2	2	0	-10	-10	-9	-8	-17
2730	-39	-81	-116	-137	-156	-162	-164	-150	-117	-78
2740	-61	-55	-38	-14	12	64	104	128	143	143
2750	117	82	42	24	16	-31	-46	-70	-85	-85
2760	-78	-48	2	52	50	9	-62	-100	-117	-147
2770	-161	-197	-210	-210	-208	-205	-206	-206	-185	-160
2780	-140	-117	-96	-85	-73	-58	-7	12	54	73
2790	81	62	28	12	1	77	-27	-38	-27	-8
2800	62	92	121	146	195	218	224	224	203	192
2810	153	159	104	99	103	109	120	120	120	144
2820	174	189	194	173	160	142	110	82	52	11
2830	-27	-66	-88	-95	-91	-95	-106	-128	-166	-181
2840	-185	-177	-158	-113	-8	43	74	110	153	189
2850	190	141	78	20	0	-27	-50	-76	-78	-81
2860	-60	-51	-38	-27	-6	22	58	65	75	81
2870	82	83	91	94	99	132	141	111	61	12
2880	-16	-26	-31	-37	-28	-4	33	59	71	64
2890	54	39	25	25	-5	-49	-98	-119	-128	-136
2900	-104	-65	-24	3	13	33	63	109	143	176
2910	176	157	131	102	53	1	4	-17	-37	-27
2920	95	105	95	92	-54	-37	-18	1	5	29
2930	-77	-95	-107	-115	-127	-119	-98	-76	-59	-47
2940	-26	-16	-13	13	94	140	175	174	153	124
2950	114	113	101	82	52	25	25	32	64	116
2960	140	144	154	166	176	174	152	136	112	82
2970	140	144	154	166	176	174	152	136	112	82
2980	29	2	-26	-46	-64	-75	-87	-94	-89	-89
2990	-78	-66	-37	-17	3	10	-10	-16	-25	-14
3000	34	-54	-57	-35	-24	-17	3	34	91	135
3010	150	163	174	180	185	188	184	173	149	92
3020	51	-109	-104	-98	-97	-125	-156	-175	-190	-193
3030	188	-164	-105	-46	-24	-14	2	45	96	124
3040	146	155	172	206	218	225	230	258	267	274
3050	268	230	183	143	101	52	-10	-55	-110	-167
3060	-197	-178	-225	-217	-214	-205	-188	-182	-155	-135
3070	108	75	-44	25	124	200	250	280	300	316
3080	316	308	281	262	247	226	197	171	80	12
3090	-24	-46	-67	-77	-84	-87	-89	-84	-109	-125
3100	135	-137	-122	-73	-18	16	38	34	26	14
3110	4	66	93	104	103	94	36	25	25	26
3120	-85	-74	-83	-78	-43	-6	-114	-125	-154	-164
3130	146	-134	-117	-78	-43	-6	78	212	272	303
3140	319	323	301	273	238	185	152	122	103	83
3150	42	-25	-45	-65	-104	-125	-143	-152	-133	-73
3160	-18	24	16	-5	-23	-55	-97	-137	-210	-272
3170	319	-357	400	-413	-410	-372	-372	-300	-130	-14
3180	53	260	362	362	362	371	382	404	415	399
3190	345	324	274	198	123	92	7	28	-48	-74
3200	-108	-136	-182	-173	-184	-204	-213	-204	-187	-173

TO BE CONTINUED

CONTINUED(S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	-151	-122	-106	-113	-114	-116	-115	-106	-81	-15	3750	-9	-112	-131	-153	-185	-274	-344	-366	-387	-392
3220	56	45	16	-25	-46	-73	-68	-66	-66	-55	3760	-345	-240	-179	-151	-126	7	0	36	50	39
3230	26	74	85	112	115	123	133	135	145	130	3770	30	9	11	6	10	10	20	36	49	166
3240	106	93	64	-43	-65	-73	-52	-4	-4	-4	3780	256	298	332	340	332	311	20	311	221	115
3250	53	66	67	55	66	64	-4	-14	-14	-15	3790	-10	-13	-10	-11	-11	-50	-90	-120	-131	-172
3260	13	6	68	147	168	178	177	156	134	15	3800	-179	-159	-140	-133	-130	-31	-14	-10	-31	-42
3270	105	32	24	-17	-28	-32	-23	-4	4	15	3810	-59	-72	-89	-112	-162	-212	-224	-226	-204	-143
3280	-33	-32	-24	-32	-24	-32	-23	-14	-4	56	3820	60	217	458	542	568	579	554	508	473	350
3290	86	105	114	106	85	65	35	22	8	24	3830	290	181	46	154	-388	-443	-497	-508	-478	-555
3300	2	-14	-4	-3	6	24	54	168	144	146	3840	-442	-272	-57	42	111	193	201	188	145	51
3310	124	67	-33	-57	-93	-158	-99	-351	-375	-420	3850	-20	-153	-236	-265	-296	-298	-246	-218	-198	-186
3320	475	-475	-474	-467	-449	-414	-370	-297	-148	-53	3860	-169	-169	-167	-147	-123	-91	-61	-41	-34	-11
3330	23	64	140	203	240	250	271	295	323	337	3870	30	79	156	337	451	455	415	359	301	278
3340	332	306	283	254	232	228	218	208	197	177	3880	231	157	80	29	0	-10	-1	-10	11	30
3350	201	226	288	332	310	247	197	72	7	-33	3890	52	76	99	123	162	168	167	157	147	127
3360	75	136	195	-249	-89	-306	-265	-165	59	137	3900	97	58	2	-51	-90	-100	-120	-138	-132	-108
3370	188	21	194	181	177	169	113	52	28	-22	3910	-70	-38	-28	-8	11	40	61	60	40	-18
3380	-86	-94	-95	-104	-116	-132	-111	10	84	146	3920	-41	-58	-60	-61	-78	-113	-160	-179	-168	-127
3390	205	282	370	424	443	456	436	380	287	219	3930	-49	-18	16	62	79	85	79	82	89	91
3400	143	68	32	-64	-74	-80	-82	-74	-73	24	3940	104	112	121	131	120	101	76	60	21	-68
3410	76	132	245	315	385	391	365	304	225	114	3950	-107	-130	-142	-141	-149	-170	-189	-191	-193	-186
3420	-30	-137	-236	-323	-377	-418	-442	-427	-367	-347	3960	-157	-98	-38	-27	-27	-48	-83	-130	-178	-144
3430	287	298	142	45	-61	-85	-176	-234	-256	-302	3970	-110	-67	-47	-50	-47	-43	-37	-27	12	133
3440	323	-281	-204	80	28	133	241	339	362	362	3980	160	192	191	191	184	185	182	181	168	150
3450	321	246	135	58	-43	-63	-122	-145	-155	-140	3990	136	108	81	21	-61	-72	-123	-159	-163	-97
3460	321	246	135	58	-43	-63	-122	-145	-155	-140	4000	-39	-9	0	21	-51	59	80	89	98	85
3470	-94	-79	-61	-32	136	240	317	352	379	360	4010	51	-59	-79	-90	-90	-80	-68	-59	-47	-32
3480	332	306	277	262	213	141	65	110	119	141	4020	0	28	18	1	-9	97	101	118	140	136
3490	-298	-321	-311	-258	-166	-106	-8	-231	-274	-306	4030	30	18	1	-9	-39	-71	-88	-99	-144	-231
3500	180	191	164	87	-106	-106	-106	-106	-106	-106	4040	-315	-350	-382	-377	-322	-213	-117	-78	51	134
3510	-266	-136	-22	160	258	321	357	349	329	280	4050	251	304	313	305	269	246	204	139	69	-28
3520	214	130	29	-72	-80	-106	-119	-92	-29	20	4060	-68	-78	-112	-141	-159	-149	-128	-56	138	183
3530	112	195	218	204	165	91	-1	-56	-135	-242	4070	213	245	259	248	211	178	148	142	151	150
3540	-328	-369	-397	-408	-405	-377	-304	-148	-126	-34	4080	148	126	101	98	86	69	42	40	42	49
3550	6	36	54	70	78	98	128	150	208	266	4090	39	20	-8	-30	-27	10	27	19	-1	-40
3560	311	307	283	243	179	46	-87	-150	-173	-202	4100	-62	-91	-161	-190	-200	-201	-129	-78	-12	103
3570	-215	-219	-208	-200	-201	-204	-199	-180	-151	-174	4110	174	245	261	259	228	180	128	90	79	49
3580	-42	-61	-72	-73	-79	-89	-103	-123	-142	-144	4120	11	-24	-60	-71	-70	-47	7	66	109	159
3590	-15	28	60	80	87	109	147	166	164	170	4130	147	139	104	61	30	-20	-49	-150	-186	-219
3600	170	166	159	151	141	180	189	188	178	178	4140	-253	-285	-325	-349	-351	-329	-261	-213	-147	-97
3610	298	327	-298	-209	-198	-171	-142	-79	-77	-80	4150	-30	116	128	139	150	130	97	67	26	-11
3620	-113	-140	-150	-121	-101	-90	-79	-62	-45	-32	4160	-20	-11	17	60	89	89	81	48	6	-39
3630	-44	-62	-69	-49	-35	-31	-32	-19	-10	-5	4170	-79	-115	-150	-190	-192	-200	-220	-225	-180	-40
3640	-11	-1	-1	28	51	101	199	212	218	209	4180	-1	39	49	59	90	99	96	79	51	51
3650	11	-1	199	203	204	202	209	218	219	220	4190	9	-13	-19	9	130	210	268	294	300	292
3660	202	195	199	203	204	202	209	218	219	220	4200	276	234	185	106	48	29	-51	-102	-154	-183
3670	207	178	126	89	49	40	27	-12	-41	-93	4210	-167	-147	-166	-32	35	112	182	181	181	181
3680	-226	-268	-304	-272	-228	-180	-169	-159	-139	-139	4220	179	160	137	120	115	109	69	41	27	15
3690	-91	9	75	130	176	264	261	341	365	367	4230	-1	-8	-2	45	80	101	107	67	-1	-9
3700	352	282	242	186	115	56	115	97	88	88	4240	-58	-59	-68	-58	-20	9	39	71	101	128
3710	81	89	86	79	79	74	58	4	30	40	4250	129	113	40	133	-2	-61	-93	-140	-164	-211
3720	8	-89	-98	-69	-32	-10	-2	81	0	40	4260	-262	-179	-180	-155	-133	-129	-129	-128	-134	-141
3730	76	98	98	78	50	27	29	69	151	224	4270	-155	-180	-214	-255	-276	-287	-273	-235	-173	-57
3740	245	278	320	322	309	293	252	194	124	66	4280	82	150	181	179	147	126	79	10	-54	-71

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(5-234 U-D)

	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	-44	9	57	50	51	49	40	50	50	60	116	4830	-129	-89	26	110	157	180	190	201	202	177
4300	121	157	146	109	58	-2	-80	-164	-40	-203	-210	4840	125	98	53	39	33	24	-22	-52	-76	-90
4310	-207	-202	-186	-137	-92	-62	-40	-40	-1	59	59	4850	-73	49	-20	-26	-40	-13	49	132	210	242
4320	91	109	117	105	87	65	58	49	18	-68	-13	4860	246	242	193	135	69	16	-2	-30	-60	
4330	-31	-38	-33	-70	-69	-94	-74	-78	-69	-68	0	4870	-83	-83	-83	-75	-65	13	47	67	55	
4340	-60	-51	-60	-18	-10	0	0	0	0	0	0	4880	-53	-92	-92	-96	-11	-136	-153	-163	-178	-217
4350	-1	-19	-60	-102	-131	-154	-163	-161	-158	-156	0	4890	-253	-261	-247	-212	-168	-133	-85	-66	-31	6
4360	-30	-101	-57	-18	29	92	142	159	135	81	81	4900	59	118	160	211	219	182	135	87	58	13
4370	31	0	-53	-41	-91	-140	-173	-222	-239	-224	248	4910	-34	-96	-133	-174	-220	-271	-314	-322	-304	-359
4380	-185	-115	0	27	72	92	92	125	225	248	248	4920	-188	-120	-31	19	74	118	150	168	158	134
4390	263	218	187	155	98	37	28	-53	-78	-101	96	4930	118	96	65	15	-15	-2	39	74	100	100
4400	-129	-119	-120	-142	-171	-186	-145	-90	-42	10	0	4940	142	192	224	239	234	199	143	78	8	-62
4410	69	182	195	221	203	182	146	108	41	-9	0	4950	-105	-150	-158	-144	-133	-125	-120	-113	-109	-114
4420	-141	-182	-209	-232	-222	-176	-105	-58	-43	-38	38	4960	-125	-139	-149	-150	-151	-153	-146	-146	-6	0
4430	-37	-49	-78	-88	-59	-19	3	43	73	73	73	4970	100	151	194	225	227	185	109	65	8	-20
4440	70	109	110	98	59	22	-20	-70	-68	-101	96	4980	-41	-58	-64	-64	-41	67	161	196	221	230
4450	-18	98	-47	41	140	175	232	304	385	382	382	5000	-19	-9	-8	-18	-17	18	-29	-60	-110	-149
4460	338	308	266	206	126	37	-59	-98	-184	-216	-216	5010	28	51	50	47	52	81	111	118	109	89
4470	-263	-290	-296	-292	-301	-308	-304	-294	-289	-293	162	5020	72	49	31	19	-68	-121	-169	-183	-196	-196
4480	-171	-219	-132	67	92	130	160	170	170	162	162	5030	28	51	50	47	52	81	111	118	109	89
4490	150	128	90	37	-27	-91	-135	-224	-282	-313	-313	5040	-189	-164	-105	-76	-19	1	21	29	-7	-37
4500	-364	-380	-404	-397	-379	-404	-306	-231	-38	39	39	5050	-68	-76	-122	-130	-118	-86	-60	-50	-48	-47
4510	262	153	272	290	314	310	303	294	293	294	294	5060	-86	-96	-122	-130	-118	-86	-60	-50	-48	-47
4520	240	274	219	160	131	109	81	11	-36	-57	-57	5070	81	32	40	110	-181	-231	-243	-223	-193	-155
4530	-271	-133	-168	-187	-197	-204	-232	-251	-247	-226	-226	5080	-79	-11	52	134	184	206	204	182	162	130
4540	-221	-180	-128	342	341	625	703	660	656	589	589	5090	78	33	13	14	-24	-56	-76	-65	-15	15
4550	446	276	146	69	49	97	127	-141	-167	-155	-155	5100	26	42	51	63	52	43	31	3	-36	-87
4560	-124	-45	-78	351	390	440	467	452	404	342	342	5110	-108	-116	-55	-17	-4	22	45	93	112	101
4570	57	-31	-22	-62	-41	-51	-567	-610	-629	-692	-692	5120	92	84	116	141	133	101	61	26	16	-8
4580	-354	-257	-89	124	210	295	322	354	389	392	392	5130	-25	-40	-45	-48	-53	-62	-58	-68	-66	-86
4590	359	318	277	264	216	158	102	66	39	37	37	5140	-68	-57	-53	-66	-87	-97	-87	-66	-33	7
4600	-123	-277	-352	-422	-437	-378	-254	-158	-6	83	83	5150	34	64	73	81	71	62	44	3	4	-25
4610	-176	-93	-177	-139	-148	-129	-32	-39	-62	-114	-114	5160	-96	-120	-137	-167	-152	-77	-54	-53	-47	-45
4620	130	164	194	211	213	211	195	184	171	162	162	5170	35	192	152	115	94	81	111	116	124	183
4630	91	184	225	257	283	309	318	301	297	245	245	5180	192	192	152	115	94	81	111	116	124	183
4640	238	199	165	129	80	40	16	-17	-33	-67	-67	5190	44	45	67	75	84	93	103	111	93	51
4650	-108	-143	-182	-208	-225	-242	-239	-205	-157	-128	-128	5200	11	-8	-16	-18	-25	-25	-27	-37	-47	-89
4660	177	-39	72	131	163	192	201	184	170	150	150	5210	-80	-77	-65	-63	-64	-56	-46	-37	-28	-17
4670	131	98	78	19	40	121	-205	-253	-283	-311	-311	5220	4	7	4	-15	-47	-57	-56	-63	-46	-37
4680	-18	-321	-356	-389	-417	-482	-500	-465	-375	-251	-251	5230	-25	-38	-43	-33	-63	-63	-63	-65	-63	-56
4690	-171	-169	-151	-182	-185	-170	-187	-139	-137	-137	-137	5240	-53	-46	-57	-76	-98	-96	-89	-87	-67	-38
4700	-40	-131	-157	-146	-178	-10	50	184	253	339	339	5250	-5	23	33	33	26	23	15	12	12	12
4710	545	433	503	522	511	481	428	355	287	142	142	5260	-5	23	33	33	26	23	15	12	12	12
4720	-56	-23	-42	-124	-219	-315	-382	-419	-425	-396	-396	5270	4	1	1	37	63	73	65	62	51	46
4730	-348	-23	0	209	314	376	421	471	501	501	501	5280	52	54	65	65	65	65	65	65	65	65
4740	505	477	414	336	278	235	193	165	80	80	80	5290	63	84	113	143	153	162	143	110	74	36
4750	-64	-122	-141	-162	-171	-185	-189	-191	-200	-200	-200	5300	63	84	113	143	153	162	143	110	74	36
4760	-203	-172	-168	-137	-97	-50	-21	61	101	101	101	5310	4	15	-35	-57	-65	-65	-37	1	45	122
4770	105	-113	-131	-152	-158	-146	-102	-102	-109	-101	-101	5320	133	155	164	163	163	163	163	163	163	163
4780	-180	-180	-180	-180	-180	-180	-180	-180	-180	-180	-180	5330	154	120	94	84	77	72	64	42	12	-4
4790	-180	-200	-271	-252	-217	-187	-128	-82	-61	-40	-40	5340	-16	-32	-56	-56	-46	-46	-35	-27	-4	-4
4800	95	71	147	146	116	66	16	9	36	54	54	5350	2	11	26	35	47	33	-5	-34	-55	-66
4810	-30	164	145	116	116	66	16	-21	-39	-62	-62	5360	-130	-170	-207	-249	-249	-249	-249	-249	-249	-249
4820	-82	-103	-121	-164	-203	-219	-215	-162	-119	-121	-121	5370	-38	-15	1	16	27	42	44	47	52	44

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	15	5	3	2	-7	-15	-12	-8	2	31
5380	41	51	53	46	42	25	23	26	45	74
5390	95	87	55	33	-2	-27	-26	-79	-88	-119
5400	-127	-136	-149	-136	-88	-45	-5	7	16	24
5410	24	26	45	82	163	105	103	105	102	96
5420	92	96	102	92	81	53	26	12	9	6
5430	3	3	3	2	5	5	15	25	33	46
5440	53	65	74	67	64	65	65	63	65	65
5450	74	67	64	63	75	85	95	113	116	106
5460	88	82	64	14	-7	-15	-21	-25	-23	-13
5470	7	123	94	92	124	143	155	167	163	156
5480	146	7	34	62	26	13	4	4	4	6
5490	7	-4	-22	-24	-45	-57	-65	-71	-67	-62
5500	-36	-35	-24	-24	-24	-32	-34	-16	-16	-57
5510	-64	-77	-64	-66	-62	-32	3	14	34	53
5520	75	85	84	93	94	87	82	66	26	3
5530	-14	-44	-62	-78	-108	-126	-140	-128	-102	-66
5540	-35	5	26	44	53	45	44	44	37	34
5550	34	23	5	-14	-30	-34	-31	-15	-15	13
5560	28	58	86	100	113	112	104	85	35	8
5570	-21	-33	-23	-23	-6	7	16	27	50	64
5580	93	105	104	92	74	63	38	25	35	34
5590	35	33	35	48	48	48	48	25	-6	-34
5600	-51	-74	-108	-134	-144	-155	-176	-176	-177	-183
5610	-177	-166	-155	-126	-116	-103	-78	-62	-15	-183
5620	13	32	67	139	155	185	184	193	194	184
5630	168	154	123	85	46	24	14	23	17	15
5640	3	-4	-16	-40	-32	-23	0	-23	-23	-44
5650	-52	-45	-40	-32	-23	0	6	-6	-6	-52
5660	86	97	101	93	58	24	6	-124	-118	-102
5670	-78	-115	-115	-111	-116	-114	-118	-124	-118	-102
5680	-95	-95	-93	-88	-65	-35	-35	-32	-10	18
5690	50	60	78	129	165	171	174	169	166	145
5700	118	84	27	-3	-32	-47	-53	-44	-11	9
5710	21	36	48	58	65	67	57	54	47	45
5720	49	52	57	75	89	105	119	129	120	116
5730	115	98	75	47	4	-50	-49	-52	-63	-36
5740	-73	-63	-53	-43	-15	16	27	35	36	27
5750	36	44	47	45	46	46	45	54	59	47
5760	44	17	-4	-20	-32	-40	-29	-4	27	36
5770	37	29	27	37	36	45	54	55	49	49
5780	47	40	37	37	45	57	87	88	88	84
5790	69	60	44	-3	-52	-63	-78	-78	-64	-49
5800	16	27	58	97	108	108	105	79	77	64
5810	29	7	-20	-39	-54	-59	-59	-50	-42	-28
5820	-21	-21	-24	-22	-29	-31	-34	-29	-26	-11
5830	-21	-24	-29	-32	-33	-42	-43	-51	-59	-59
5840	-62	-72	-75	-74	-68	-61	-26	0	22	40
5850	50	51	47	38	15	-2	-32	-56	-93	-107
5860	-103	-93	-84	-61	-33	-4	50	88	107	106
5870	106	102	95	87	65	51	35	27	16	9
5880	37	28	37	58	75	78	75	71	57	49
5890	37	28	-1	-24	-32	-41	-42	-51	-54	-62
5900	-61	-59	-52	-49	-49	-48	-45	-49	-41	-30

TO BE CONTINUED

CONTINUED (S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5910	-28	-23	-31	-40	-41	-34	-21	-34	5	16
5920	38	45	37	29	17	6	-13	-31	-31	-29
5930	-93	-114	-122	-133	-128	-124	-133	-125	-124	-114
5940	-103	-93	-82	-61	-43	-13	28	69	98	117
5950	127	136	128	120	99	86	67	55	48	18
5960	9	28	49	78	119	136	159	180	192	195
5970	196	196	196	188	175	148	87	80	68	50
5980	40	32	40	59	76	75	75	75	75	67
5990	-38	0	-21	-31	-44	-60	-59	-48	-36	-14
6000	-3	7	17	17	19	27	17	16	7	17
6010	18	17	7	-3	-28	-41	-52	-73	-82	-92
6020	-82	-71	-61	-62	-53	-27	-2	-3	10	8
6030	-3	-19	-28	-26	-40	-40	-40	-43	-43	-51
6040	-73	-72	-71	-67	-61	-58	-49	-43	-46	-52
6050	-50	-48	-39	-30	-30	-28	-26	-21	-13	-6
6060	18	23	26	33	36	41	49	47	43	39
6070	38	28	31	31	31	27	24	18	10	6
6080	5	6	11	17	19	19	29	31	38	42
6090	50	59	69	68	79	106	128	138	137	120
6100	107	89	68	49	38	20	3	-11	-31	-32
6110	-32	-31	-29	-28	-27	-13	-2	7	29	53
6120	67	77	78	70	69	69	63	66	66	69
6130	68	59	59	61	69	68	78	86	88	86
6140	82	86	77	68	39	10	-8	-21	-28	-36
6150	-40	-37	-30	-18	2	11	19	18	10	7
6160	7	6	4	6	8	11	14	17	6	-10
6170	-32	-42	-42	-47	-48	-51	-47	-41	-30	-23
6180	-2	19	26	13	9	-1	-20	-26	-23	-30
6190	-35	-42	-47	-51	-47	-30	-29	-27	-12	-9
6200	-2	53	67	72	89	98	91	91	82	68
6210	60	21	3	-21	-41	-47	-46	-42	-50	-47
6220	-39	-37	-19	-3	-6	0	-22	-29	-36	-41
6230	-39	-39	-39	-32	-9	12	29	51	63	67
6240	80	89	90	90	82	71	48	11	-4	-11
6250	-9	-11	-1	2	13	38	70	88	109	107
6260	91	-79	71	60	40	35	29	10	0	0
6270	0	0	9	20	27	32	27	22	15	11
6280	48	47	40	37	32	27	22	15	11	8
6290	9	9	8	10	11	17	28	29	28	38
6300	40	41	49	50	48	39	18	9	0	-9
6310	13	31	60	78	90	97	91	90	90	82
6320	77	80	73	69	52	49	42	32	14	8
6330	8	8	2	-6	-7	-7	-5	0	-12	-19
6340	-27	-29	-26	-20	-12	0	9	19	40	48
6350	41	41	41	38	38	35	28	9	0	-18
6360	-41	-49	-51	-59	-59	-55	-48	-49	-48	-48
6370	-81	-82	-84	-80	-74	-56	-28	-16	15	15
6380	22	30	33	33	38	41	40	33	24	11
6390	-7	-20	-30	-30	-39	-50	-45	-38	-26	-18
6400	2	16	31	41	53	74	88	98	101	104
6410	108	100	92	91	70	50	30	20	12	12
6420	10	-1	0	0	10	3	3	3	20	23
6430	31	31	42	50	61	68	71	63	51	50
6440	41	43	44	48	42	39	39	30	23	19

TO BE CONTINUED

CONTINUED(S-234 U-D)

CONTINUED(S-234 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6450	19	19	19	11	0	-9	-7	-18	-18	-19
6456	-27	-36	-44	-50	-69	-83	-9	-92	-88	-93
6470	92	-83	-68	-52	-35	-32	-9	17	30	40
6480	52	51	62	72	91	91	-6	89	90	83
6490	74	72	65	32	9	-6	-20	-29	-33	-39
6500	-47	-57	-49	-39	-46	-44	-39	-37	-37	-37
6510	-6	10	21	39	55	71	74	74	85	89
6520	85	81	75	69	57	43	21	2	20	5
6530	24	31	30	27	23	21	19	15	12	5
6540	10	2	-10	-21	-39	-50	-50	-49	-45	-45
6550	-38	-37	-26	-17	-7	-11	6	18	19	19
6560	25	28	39	40	44	51	41	38	44	50
6570	50	51	53	55	70	58	20	21	40	42
6580	19	12	10	6	9	8	20	21	40	42
6590	50	56	71	70	72	72	75	80	73	69
6600	63	61	51	40	30	13	-4	-1	-41	-5
6610	-50	-49	-56	-41	-48	-47	-35	-31	-19	-19
6620	10	20	21	22	26	19	20	19	12	20
6630	20	20	13	8	3	5	-6	-10	-16	-10
6640	-9	-20	-19	-22	-16	-11	0	9	20	9
6650	20	19	11	19	22	30	28	21	14	9
6660	-1	-18	-29	-49	-57	-66	-57	-51	-44	-47
6670	-37	-40	-2	8	23	40	50	60	67	72
6680	78	70	70	58	59	50	49	37	19	12
6690	2	-8	-21	-11	-19	-30	-41	-46	-47	-31
6700	-32	-30	-21	-19	-10	-1	8	-7	11	18
6710	21	20	30	53	60	68	80	87	85	80
6720	62	43	32	23	11	-7	-19	-29	-41	-39
6730	-41	-40	-40	-41	-46	-39	-40	-36	-29	-18
6740	-4	20	48	42	45	49	42	41	40	40
6750	40	29	9	12	3	0	-4	-1	-8	-8
6760	-12	-9	-11	-9	-51	-71	-78	-104	-112	-110
6770	-97	-80	-57	-34	-9	-2	-1	30	43	38
6780	29	30	29	19	9	2	-6	-18	-26	-19
6790	-19	-12	-5	-8	-1	0	-25	-1	3	11
6800	19	18	17	11	8	-1	0	-31	-34	-32
6810	-36	-36	-29	-27	-15	0	10	30	37	62
6820	93	131	149	151	152	149	149	141	137	133
6830	122	114	109	93	82	63	39	27	19	8
6840	8	10	7	11	17	28	34	39	38	32
6850	29	17	2	16	-27	-37	-39	-41	-39	-42
6860	-39	-40	-30	-20	-7	-1	10	20	30	32
6870	29	30	18	9	7	7	12	11	15	11
6880	15	10	18	18	14	11	10	17	10	10
6890	7	-10	-18	15	22	21	0	12	60	67
6900	-11	16	12	19	-12	0	14	32	60	67
6910	74	62	67	64	47	18	-12	-16	-39	-55
6920	-60	-68	-72	-69	-57	-46	-35	-4	4	11
6940	10	18	19	22	26	39	48	61	71	70
6950	63	63	60	63	71	80	80	80	76	79
6960	80	70	72	72	65	58	61	38	36	29
6970	20	19	13	12	20	21	19	14	12	2
6980	6	3	6	11	9	13	19	24	20	22

TO BE CONTINUED

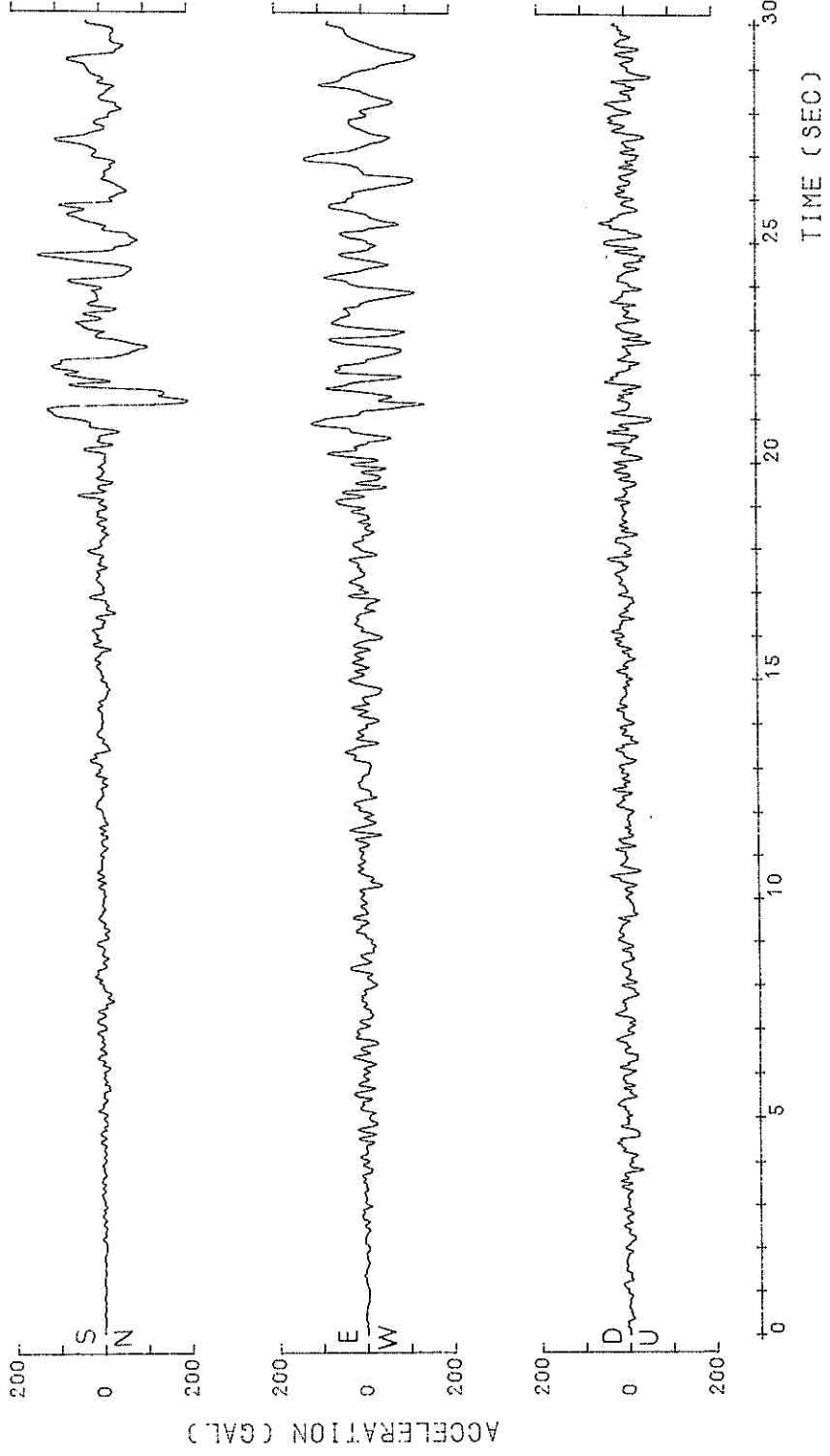
TO BE CONTINUED

CONTINUED(S-234 U-0)

HO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7530	-24	-23	-20	-16	-12	-10	-4	-10	-15	-3
7540	-6	-5	-4	-3	-6	-2	4	6	15	16
7550	18	34	38	44	43	46	53	54	46	44
7560	38	35	24	23	15	14	15	16	16	16
7570	13	14	14	22	24	16	17	16	14	3
7580	3	0	-2	2	-3	-15	-15	-16	-14	-4
7590	-5	-5	0	3	-3	4	3	5	4	4
7600	-12	-16	-21	-21	-21	-24	-36	-36	-34	-34
7610	-34	-34	-36	-36	-26	-10	-23	-15	19	34
7620	34	37	44	46	43	36	35	15	14	15
7630	15	16	19	26	34	34	35	28	24	24
7640	24	16	16	14	6	1	-3	-2	-1	-4
7650	-6	-6	-8	5	6	16	15	24	24	25
7660	25	25	23	18	15	8	5	-5	-10	-12
7670	-11	-15	-23	-26	-26	-23	-26	-23	-23	-23
7680	-15	-14	-11	-4	-4	-2	-6	-6	-7	-3
7690	3	4	4	-6	-4	-5	-3	-3	-24	-15
7700	-14	-15	-4	7	15	17	17	23	25	27
7710	27	34	35	24	24	14	17	23	25	14
7720	15	13	8	23	4	7	23	17	14	17
7730	13	16	17	17	15	16	9	6	20	3
7740	18	21	26	17	17	14	17	17	41	57
7750	6	3	14	17	18	14	39	39	84	80
7760	27	27	27	28	29	37	37	87	84	80
7770	58	66	67	79	80	84	87	30	27	15
7780	79	78	77	75	65	57	39	27	7	5
7790	9	5	0	7	-1	5	5	6	-15	-10
7800	5	16	16	8	4	6	-5	-5	-41	-8
7810	-21	-25	-32	-32	-34	-34	-34	-42	0	6
7820	-14	-34	-34	-34	-31	-24	-12	25	29	35
7830	17	18	18	25	19	25	25	40	44	45
7840	36	39	46	45	44	47	45	26	26	17
7850	37	35	28	26	24	26	27	-3	-4	-9
7860	19	15	10	5	6	6	0	28	27	25
7870	-8	0	8	17	17	19	27	16	9	5
7880	27	27	27	25	19	26	16	16	1	1
7890	16	16	10	27	-1	-3	-3	39	40	40
7900	17	19	26	26	29	31	36	50	50	50
7910	48	49	51	45	46	50	30	27	28	27
7920	50	45	47	47	37	36	30	21	21	19
7930	26	17	17	10	6	16	18	20	28	28
7940	19	18	15	19	26	25	27	39	38	27
7950	36	37	35	37	36	37	39	16	6	8
7960	27	38	27	22	20	17	18	6	8	8
7970	6	6	3	-2	0	1	1	-21	-21	-21
7980	-19	-15	-7	1	-2	-7	-18	-7	6	6
7990										

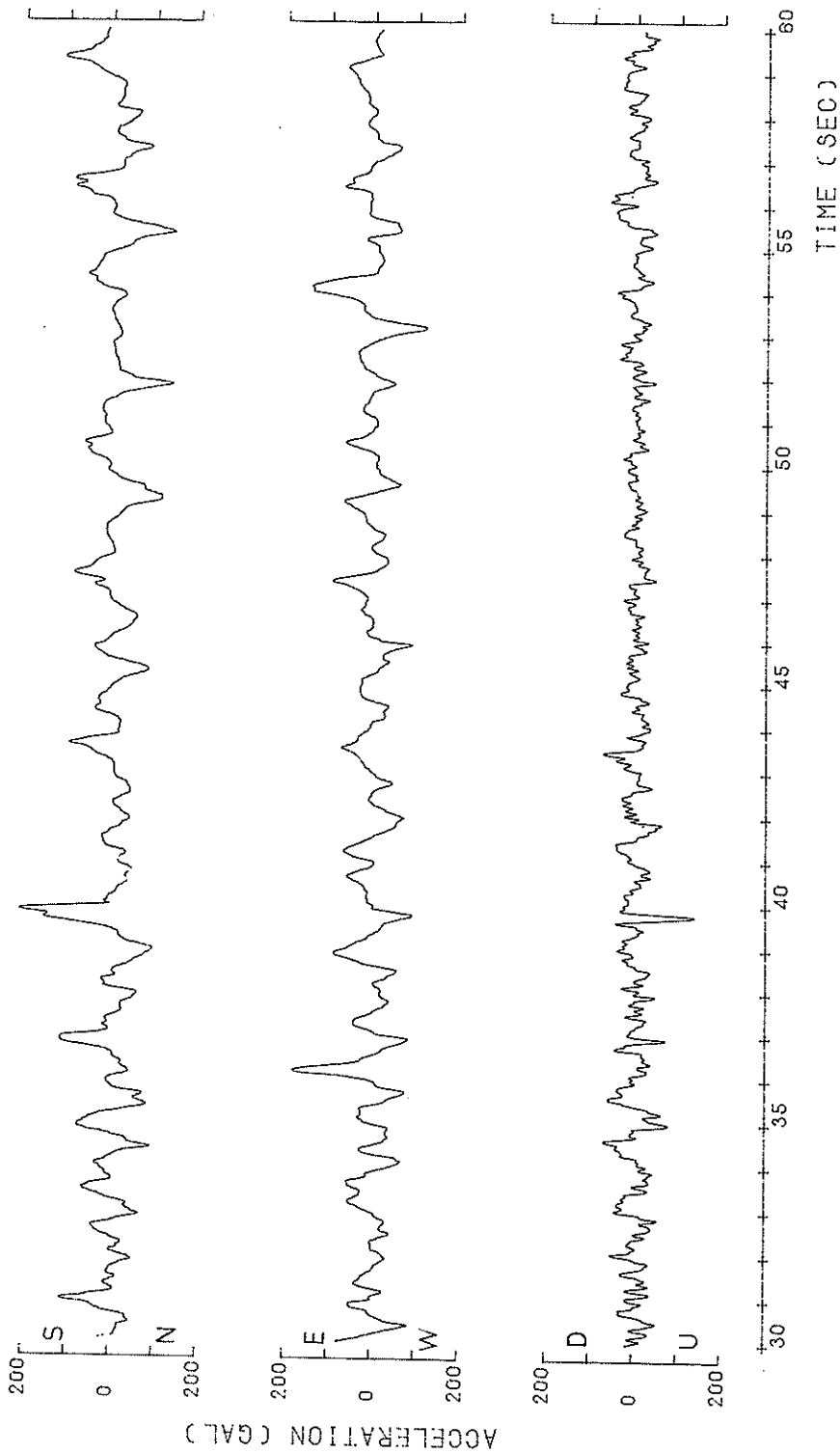
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S-235 AOMORI-S 1968-05-16-09-49



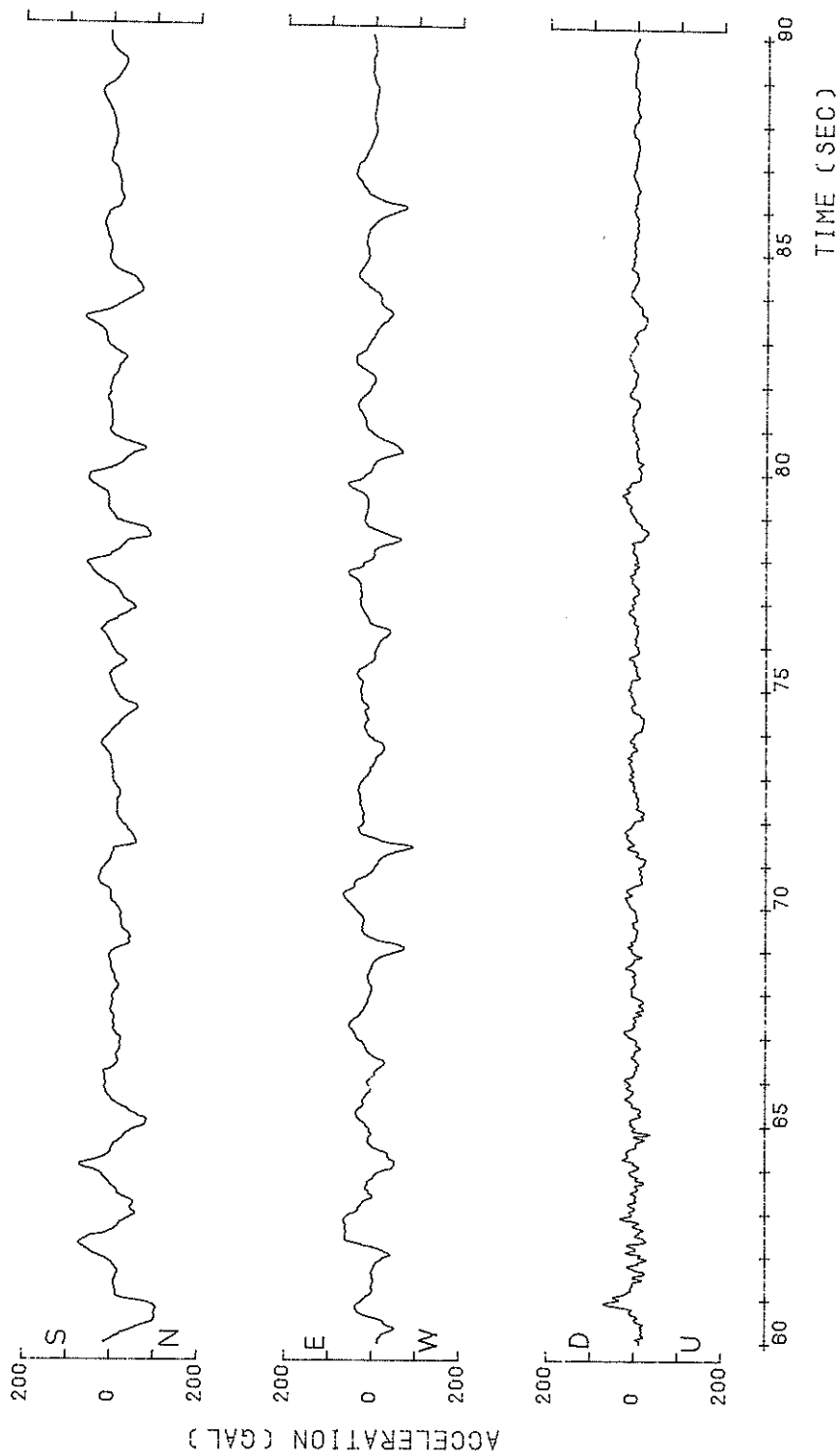
1968-05-16-09-49

S-235 AOMORI-S



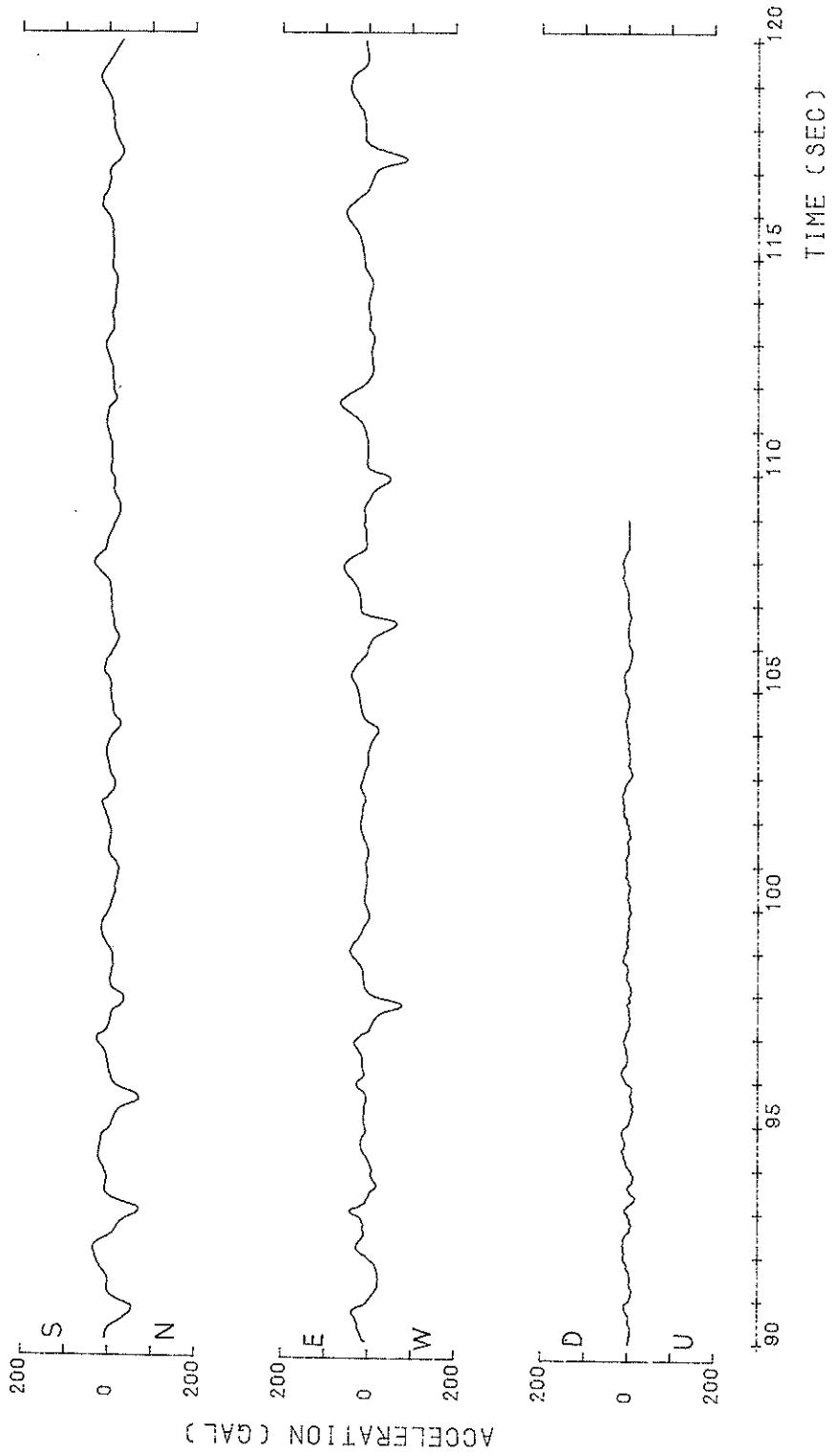
1968-05-16-09-49

S-235 AOMORI-S



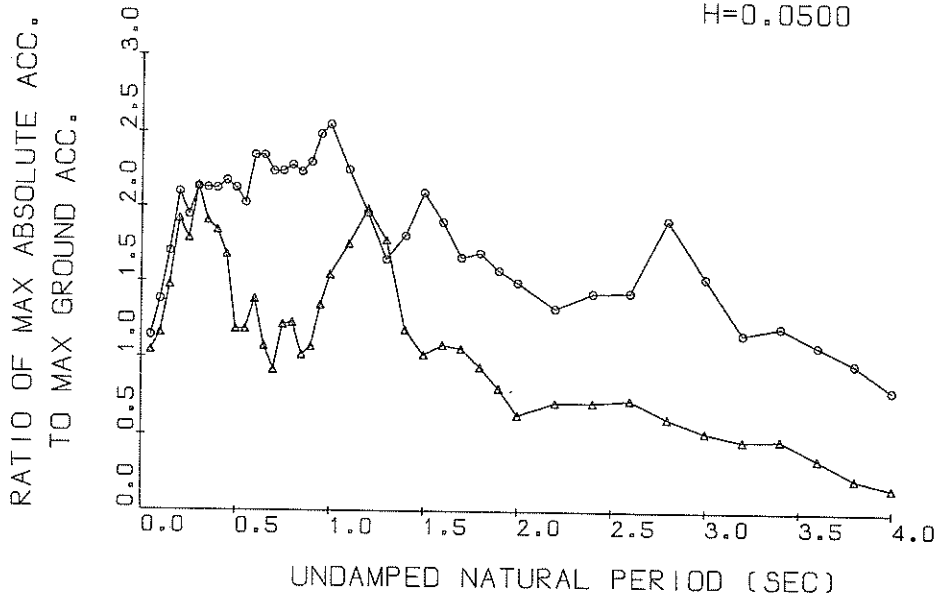
1968-05-16-09-49

S-235 AOMORI-S



S-235 AOMORI-S
1968. 5.16. 9.49

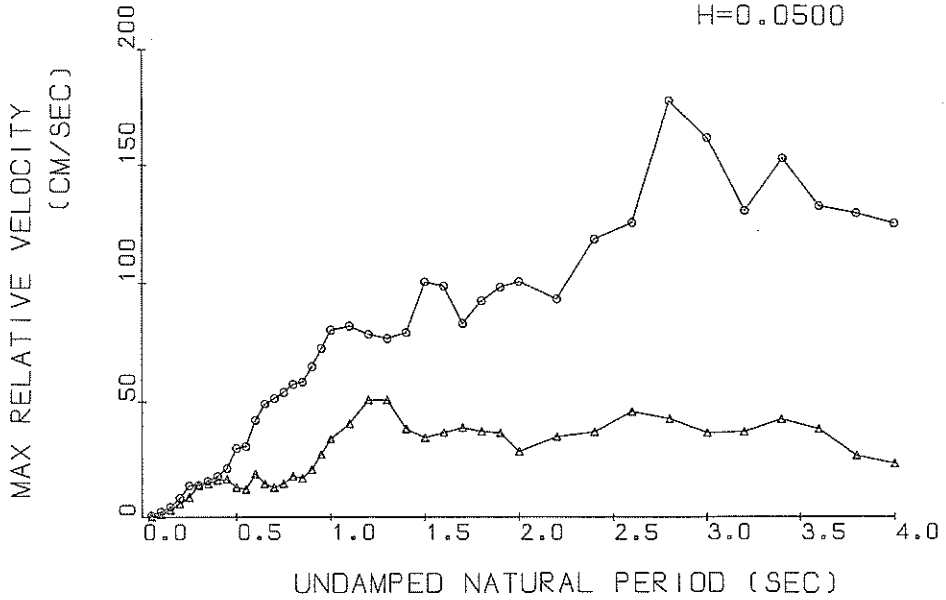
○ N-S
△ U-D
H=0.0500



Response Spectra

S-235 AOMORI-S
1968. 5.16. 9.49

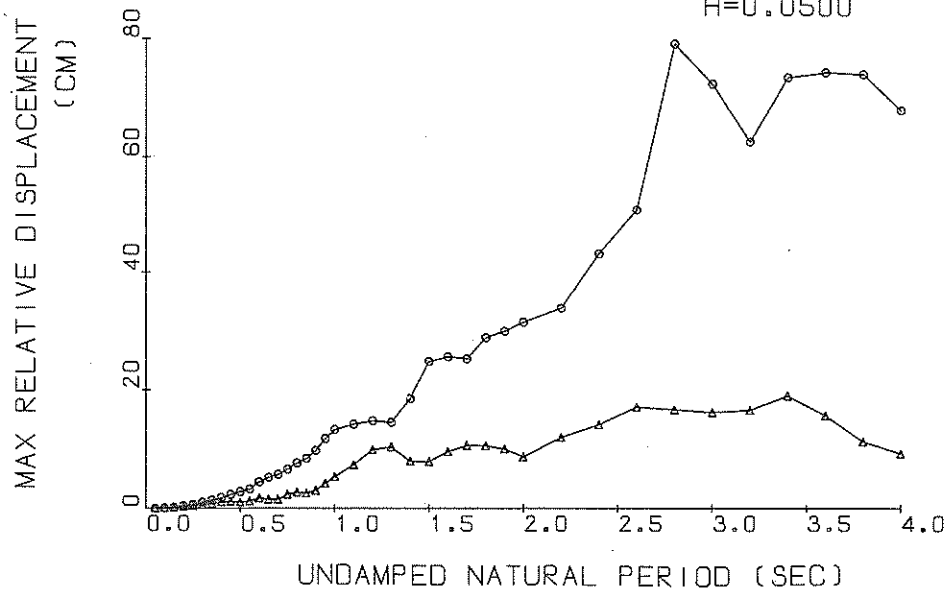
○ N-S
△ U-D
H=0.0500



Response Spectra

S-235 ADMORI-S
1968. 5.16. 9.49

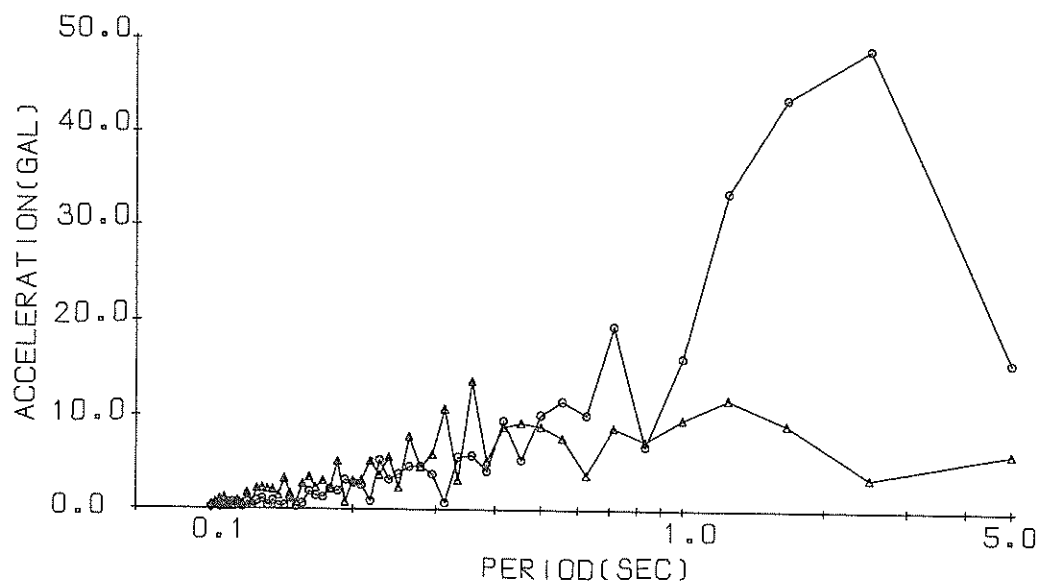
○ N-S
△ U-D
H=0.0500



Response Spectra

S-235

○ N-S TSK=36.00 TUS=5.00
△ U-D TSK=36.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-235
 DATE AND TIME = 1968-05-16-09-45
 TIME LENGTH = 90.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 0. (SEC)

CORRECTION = ARG.ERR.
 MAX.GROUND ACC. = 137.08 (GAL)

STATION = AOMORI-S

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	204.4	0.99	0.013	143.3	0.21	0.009	143.4	0.18	0.009	143.6	0.16	0.009	142.4	0.14	0.009
0.10	790.5	12.06	0.200	171.3	1.37	0.043	158.9	1.01	0.040	148.5	0.79	0.038	147.3	0.66	0.037
0.15	627.6	14.23	0.358	207.1	3.73	0.118	202.2	5.83	0.115	193.6	2.26	0.109	174.5	1.69	0.097
0.20	635.2	19.85	0.644	287.0	7.23	0.291	262.8	5.83	0.264	237.9	4.98	0.239	198.9	3.40	0.191
0.25	975.6	38.09	1.544	246.4	8.21	0.390	245.1	8.58	0.386	237.3	7.82	0.372	203.8	5.34	0.302
0.30	518.4	23.80	1.182	346.2	15.79	0.787	293.8	13.71	0.666	252.2	11.02	0.566	200.4	6.93	0.422
0.35	611.9	32.44	1.899	311.6	16.61	0.965	261.9	14.29	0.807	224.1	11.89	0.683	187.0	7.85	0.528
0.40	537.6	33.68	2.179	325.9	20.03	1.317	252.8	15.83	1.022	208.8	12.77	0.828	170.9	8.25	0.622
0.45	573.2	38.77	2.940	262.4	17.99	1.344	230.4	16.22	1.175	189.4	13.00	0.948	152.5	8.23	0.692
0.50	408.2	31.65	2.585	212.8	17.14	1.346	162.7	12.73	1.025	140.3	11.06	0.865	133.6	8.03	0.739
0.55	618.9	53.80	4.742	213.8	17.27	1.635	162.7	11.95	1.241	117.4	10.30	0.884	118.7	7.96	0.791
0.60	687.7	66.37	6.271	267.8	26.18	2.440	189.7	18.66	1.722	124.9	11.93	1.118	108.6	8.00	0.855
0.65	629.7	64.17	6.739	192.4	19.29	2.059	147.7	14.41	1.576	110.3	11.40	1.162	99.6	8.05	0.912
0.70	486.9	53.88	6.044	155.6	16.64	1.928	126.4	12.82	1.564	112.7	10.19	1.379	91.1	7.98	1.030
0.75	569.2	60.26	8.110	228.6	21.05	3.253	167.3	14.41	2.374	123.4	10.19	1.729	91.3	7.87	1.189
0.80	443.0	54.04	7.181	214.7	23.60	3.478	168.6	17.44	2.720	124.8	12.90	1.993	90.9	8.37	1.343
0.85	468.9	62.96	8.581	167.5	20.05	3.063	139.9	16.75	2.551	122.9	13.38	2.216	91.8	9.83	1.546
0.90	403.1	57.03	8.270	174.0	24.50	3.567	147.4	20.50	3.013	124.7	15.92	2.510	93.9	11.28	1.780
0.95	570.2	86.45	13.034	251.5	36.88	5.743	184.7	27.02	4.203	141.2	18.93	3.160	96.3	12.80	2.037
1.00	615.7	93.73	15.596	268.7	43.87	6.799	212.0	33.81	5.345	146.5	22.15	3.639	99.1	14.40	2.316
1.10	620.4	106.41	19.014	364.0	61.06	11.145	240.7	40.41	7.336	178.1	29.13	5.370	103.5	17.40	2.913
1.20	756.0	143.35	27.577	341.3	66.32	12.435	273.1	50.83	9.914	193.0	36.30	6.900	105.0	18.98	3.481
1.3	587.0	122.51	25.129	326.0	67.12	13.937	244.0	50.88	10.385	170.4	35.94	7.152	100.9	18.87	3.836
1.40	399.3	92.21	19.826	180.5	43.43	8.947	162.5	38.21	8.021	134.2	31.93	6.491	92.1	18.43	3.969
1.50	367.6	88.42	20.951	185.4	45.90	10.550	140.0	34.31	7.935	110.7	28.74	6.124	81.5	17.84	3.948
1.60	271.3	68.22	17.593	187.1	47.79	12.115	149.0	36.62	9.620	102.4	27.09	6.522	70.8	17.83	4.154
1.70	191.1	50.64	13.986	177.0	48.06	12.944	146.0	38.76	10.637	104.5	26.32	7.504	70.1	17.65	4.653
1.80	561.8	161.42	46.104	173.7	50.51	14.241	129.6	37.02	10.573	93.2	27.87	7.468	69.3	17.60	5.111
1.90	423.4	130.97	38.714	150.1	48.99	13.701	110.8	36.44	10.062	87.9	28.19	7.867	67.5	17.83	5.510
2.00	205.4	66.06	20.809	107.6	36.86	10.888	86.6	28.37	8.726	79.0	26.74	7.805	65.1	18.07	5.846
2.20	324.7	115.82	39.813	137.2	48.74	16.798	98.2	34.78	11.970	77.4	25.98	9.267	59.9	19.03	6.390
2.40	153.0	59.77	22.322	109.3	41.79	15.931	98.1	36.97	14.223	79.4	31.66	11.309	55.3	20.70	6.880
2.60	288.4	108.66	44.250	125.2	54.88	21.417	100.8	45.66	17.182	72.1	34.79	12.122	51.6	21.05	7.368
2.80	172.5	77.24	34.265	104.1	51.89	20.646	84.7	42.53	16.720	63.4	32.28	12.307	48.1	20.00	7.794
3.00	130.1	62.50	29.658	84.4	41.34	19.189	72.0	36.61	16.262	54.3	27.78	11.911	44.4	19.57	8.097
3.20	72.1	42.67	18.703	76.3	43.77	19.741	64.6	36.89	16.619	50.6	28.12	12.745	40.2	20.66	8.202
3.40	176.1	99.86	51.579	91.2	54.25	26.672	65.5	42.25	19.062	45.4	31.61	12.919	35.6	21.23	8.045
3.60	97.5	56.32	32.022	66.2	45.50	21.691	48.4	38.09	15.749	33.3	29.86	10.613	31.0	21.17	7.687
3.80	60.8	38.66	22.254	35.6	30.75	12.999	31.1	26.50	11.278	24.7	24.83	8.527	26.9	20.40	7.570
4.00	65.3	41.76	26.451	29.2	26.19	11.827	23.1	22.89	9.278	19.5	20.86	7.349	23.6	19.83	6.924

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-235 COMPONENT = U-D STATION = ADMORE-S
 DATE AND TIME = 1968-05-16-09-45 TOTAL NUMBER OF DATA = 10900
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	04	101	38	36	34	39	67	90	99	108
520	104	101	07	93	109	186	289	259	254	106
530	256	240	231	222	210	198	187	187	175	264
540	156	141	66	0	-58	-113	-162	-171	-167	146
550	-81	-88	-68	-68	-57	-32	-10	-5	-20	-99
560	-92	-42	-33	6	90	127	126	102	31	-41
570	-82	-126	-125	-115	-46	0	56	95	99	98
580	69	171	174	103	184	148	156	155	140	130
590	170	171	174	103	184	148	156	155	140	130
600	42	-80	113	108	84	51	1	-27	-40	-46
610	172	200	210	204	180	112	68	15	2	1
620	41	42	41	11	-74	-55	-92	-141	-176	-189
630	-181	-191	-185	-175	-168	-171	-185	-191	-196	-196
640	-182	-184	-185	-175	-168	-171	-185	-191	-196	-196
650	90	89	87	67	50	73	1	-18	-17	-3
660	175	218	255	284	266	276	262	236	214	194
670	158	137	113	87	58	29	-3	-64	-85	-103
680	106	97	49	21	21	34	33	24	18	-9
690	-10	-57	-42	-52	-70	-95	-120	-123	-122	-113
700	710	-68	-72	-49	-72	-54	-118	-137	-137	-128
710	-68	-72	-49	-72	-54	-118	-137	-137	-137	-128
720	-119	-108	-97	-72	-54	-118	-137	-137	-137	-128
730	249	257	314	373	301	269	232	193	160	133
740	117	109	85	73	66	60	60	60	74	86
750	170	148	102	94	89	80	79	86	115	134
760	170	148	102	94	89	80	79	86	115	134
770	36	-17	-61	-130	-170	-108	-79	-54	-30	7
780	-170	-162	-146	-146	-129	-129	-129	-129	-129	-195
790	-92	-82	-62	-15	-16	-67	-121	-159	-161	160
800	-75	-58	-18	-44	-11	-161	-174	-172	-151	-107
810	-32	-18	-9	-35	-52	-62	-61	-42	-23	10
820	-5	-23	-34	-41	-40	-35	-29	-26	-26	-26
830	830	-5	-34	-41	-40	-35	-29	-26	-26	-26
840	124	100	142	149	151	159	149	155	154	148
850	134	100	142	149	151	159	149	155	154	148
860	175	120	61	-70	-79	-55	-52	-47	-68	-100
870	-52	-50	-66	-64	-25	-4	49	99	133	146
880	142	120	65	-64	-25	-4	49	99	133	146
890	-95	-95	-95	-95	-95	-95	-95	-95	-95	-95
900	182	965	32	24	233	231	213	189	175	159
910	140	125	206	203	184	104	114	126	140	172
920	200	210	209	204	198	191	187	174	165	156
930	154	150	134	134	144	141	133	121	109	93
940	184	177	154	154	144	141	133	121	109	93
950	151	191	226	226	202	109	41	-27	-11	95
960	184	184	207	206	184	189	189	189	189	189
970	122	-127	-132	-132	-132	-132	-132	-132	-132	-132
980	119	-118	-132	-132	-132	-132	-132	-132	-132	-132
990	-63	-49	-49	-49	-49	-49	-49	-49	-49	-49
1000	39	55	55	55	55	55	55	55	55	55
1010	-88	-103	-103	-103	-103	-103	-103	-103	-103	-103
1020	56	55	55	55	55	55	55	55	55	55
1030	-197	-194	-172	-172	-172	-172	-172	-172	-172	-172
1040	159	172	172	172	172	172	172	172	172	172

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	355	384	394	376	316	239	161	46	-27	-104
1060	-132	-338	-274	-285	-283	-271	-245	-190	-140	-92
1070	137	0	25	51	105	141	156	148	136	136
1080	211	94	73	58	51	51	50	45	35	28
1090	21	57	57	8	16	30	32	44	58	58
1100	181	225	267	276	248	248	248	248	248	248
1120	181	225	267	276	248	248	248	248	248	248
1130	131	147	164	174	189	193	191	171	116	122
1140	144	2	10	106	-115	-114	-118	-110	-83	-60
1150	-46	-23	-19	-34	-44	-60	-70	-70	-72	-72
1160	-46	-23	-19	-34	-44	-60	-70	-70	-72	-72
1170	-52	-63	-54	-33	-32	-37	-41	-42	-51	-41
1180	-5	-12	-17	-38	-57	-73	-94	-106	-112	-77
1190	-5	-12	-17	-38	-57	-73	-94	-106	-112	-77
1200	-138	-145	-148	-134	-236	-249	-247	-230	-202	-182
1210	75	155	168	223	236	249	247	230	202	182
1220	141	133	168	140	129	109	97	67	65	69
1230	92	106	106	106	105	105	101	93	55	13
1240	-57	-67	-67	-64	-117	-83	72	93	183	253
1250	266	319	318	271	228	146	71	38	16	14
1260	64	64	64	64	64	64	64	64	64	64
1270	-2	-5	-16	-25	-37	-41	-26	1	51	98
1280	117	122	129	117	103	84	73	68	84	120
1290	107	122	129	117	103	84	73	68	84	120
1300	147	155	161	154	163	158	150	129	83	8
1310	-40	-83	-121	-154	-176	-193	-198	-205	-200	-165
1320	-110	-73	-32	-6	21	35	43	56	66	69
1330	74	76	81	82	84	71	109	148	201	228
1340	28	242	244	235	202	139	100	66	56	55
1350	236	242	244	235	202	139	100	66	56	55
1360	219	162	142	108	19	-61	-157	-229	-250	-249
1370	-113	-162	-142	-106	-92	-87	-87	-99	-113	-124
1380	28	48	34	20	15	11	8	19	49	95
1390	128	145	159	172	119	87	49	-26	-58	-101
1400	-140	-160	-160	-172	-119	-98	-110	-82	-48	-111
1410	61	62	62	50	66	54	76	75	73	70
1420	61	62	62	50	66	54	76	75	73	70
1430	195	214	215	210	190	134	82	91	112	143
1440	137	157	185	166	144	145	148	146	140	140
1450	137	157	185	166	144	145	148	146	140	140
1460	137	157	185	166	144	145	148	146	140	140
1470	51	54	19	13	14	5	-1	-10	-12	-10
1480	44	51	67	57	6	1	-1	3	11	30
1490	46	55	67	57	6	1	-1	3	11	30
1500	-121	-151	-122	-91	-51	-6	-26	-56	-52	-30
1510	23	28	17	133	47	103	128	167	197	207
1520	267	172	166	133	75	17	-26	-41	-41	-36
1530	195	209	209	166	84	43	27	13	-2	-12
1540	17	60	69	66	64	185	-198	-202	-187	-160
1550	-126	-86	-61	-36	-12	-132	-185	-166	-66	-46
1560	130	130	130	130	130	130	130	130	130	130
1570	130	130	130	130	130	130	130	130	130	130
1580	199	200	203	187	158	129	113	107	121	145

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	189	227	247	250	242	218	136	87	49	44
1600	53	62	66	77	83	99	129	129	211	285
1610	323	315	290	234	189	162	130	120	118	122
1620	128	133	135	136	135	133	118	98	84	84
1630	85	88	92	96	95	73	2	-97	-167	-183
1640	185	-129	-62	-8	90	140	152	146	130	105
1650	109	87	69	50	28	-7	-44	-51	-48	-33
1660	-20	11	24	26	14	-7	-35	-65	-69	-70
1670	-73	-81	-87	-81	-108	-135	-182	-187	-186	-173
1680	162	156	149	148	-153	-160	-162	-150	-130	-69
1690	22	30	74	114	161	166	162	114	50	1
1700	-33	-40	-41	-39	-33	-28	-21	-13	-10	-5
1710	0	4	3	4	14	28	39	61	91	124
1720	138	144	143	136	113	96	84	74	71	72
1730	92	99	104	101	104	113	127	151	177	203
1740	226	231	234	233	217	202	175	140	110	86
1750	66	25	0	-2	-8	-14	-17	-28	-42	-42
1760	-37	-1	33	59	79	81	72	61	56	62
1770	96	165	247	319	363	389	401	407	404	369
1780	27	210	116	9	-62	-123	-131	-124	-76	-76
1790	8	28	31	16	-7	-59	-87	-96	-97	-99
1800	-103	-102	-101	-96	-82	-61	-37	-26	-15	-11
1810	18	26	71	105	158	200	219	230	229	221
1820	213	206	206	206	206	193	140	40	-9	-59
1830	139	191	248	268	-275	-280	-263	-201	-142	-62
1840	-3	38	76	89	83	40	-3	-37	-52	-44
1850	-38	-4	59	95	134	125	124	120	98	59
1860	36	-3	-18	-32	-27	-16	16	37	56	64
1870	72	71	65	63	60	59	58	52	44	37
1880	30	23	14	13	13	1	-18	-17	-7	23
1890	39	45	48	48	44	39	48	51	57	62
1900	74	95	94	90	73	40	-32	-71	-102	-102
1910	-85	-47	21	66	141	206	239	237	219	176
1920	118	69	30	5	2	2	9	2	9	4
1930	-31	-37	-40	-39	-29	-15	-5	11	34	48
1940	47	27	16	-24	-63	-107	-154	-179	-204	-223
1950	-231	-243	-247	-248	-246	-232	-203	-157	-85	-24
1960	60	107	149	144	113	89	54	17	-62	-103
1970	-113	-114	-113	-98	-71	-47	36	90	179	213
1980	240	238	230	211	190	166	122	90	58	113
1990	-35	-44	-44	-36	-10	16	62	125	171	205
2000	247	253	269	145	32	-78	-163	-264	-325	-371
2010	-390	-379	-389	-376	-342	-302	-261	-199	-156	-39
2020	-4	58	74	73	68	61	58	57	56	52
2030	25	0	36	-74	-74	-68	-97	-16	87	209
2040	268	356	374	312	209	72	-64	-129	-161	-161
2050	-158	-153	-153	-153	-162	-188	-219	-245	-261	-277
2060	-295	-303	-298	-262	-149	-65	45	193	265	345
2070	403	390	346	274	154	7	-68	-94	-92	-69
2080	-39	15	50	71	101	134	128	93	8	8
2090	-130	-243	-337	-414	-501	-548	-571	-589	-603	-608
2100	-604	-586	-565	-495	-401	-318	-262	-155	-48	14
2110	97	190	265	298	274	224	166	109	48	48
2120	0	-32	-52	-63	-77	-86	-91	-97	-99	-99

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-102	65	103	-110	-109	-86	-64	-22	19	19
2140	65	103	121	150	147	137	108	64	21	19
2150	33	73	131	131	117	48	-139	-191	-160	-160
2160	-161	-47	-9	32	31	25	-25	-84	-145	-200
2170	-253	-300	-341	-349	-340	-305	-183	-84	84	199
2180	313	421	449	456	432	375	263	259	271	143
2190	307	319	327	319	284	243	206	169	143	143
2200	152	173	184	189	185	139	86	44	11	-53
2210	-74	-68	-108	-137	-136	-124	-103	-101	-101	-112
2220	-162	-243	-242	-293	-326	-341	-329	-272	-160	-48
2230	44	0	83	144	139	99	51	11	0	0
2240	0	-18	-47	-67	-93	-122	-133	-132	127	-112
2250	-85	-50	-66	-61	-55	-52	-50	-52	-51	20
2260	11	24	42	41	15	-59	-61	-272	-409	-492
2270	-552	-569	-597	-575	-503	-412	-319	-312	-313	21
2280	36	12	-54	-161	-244	-318	-369	-392	-399	-356
2290	-356	-304	-236	-175	-117	-50	-7	35	61	74
2300	0	92	96	108	127	91	11	-58	185	184
2310	181	177	171	154	127	91	11	-58	185	184
2320	-299	-333	-345	-337	-304	-251	-195	-160	-120	-59
2330	-9	16	18	15	-78	-41	-10	15	20	20
2340	-86	-99	-98	-95	-78	-41	-10	15	20	20
2350	35	40	41	21	-58	-143	-243	-245	-245	-151
2360	-12	108	201	269	301	303	274	216	189	152
2370	142	142	142	142	135	110	36	44	44	44
2380	44	45	44	34	34	36	40	28	-78	-78
2390	-186	-307	-365	-407	-393	-349	-291	-223	-170	-134
2400	-106	-102	-102	-102	-101	-98	-90	-75	-59	-42
2410	139	76	141	161	160	155	145	133	131	131
2420	136	141	141	140	118	89	64	41	29	18
2430	9	0	-23	-43	-100	-122	-188	-229	-275	-318
2440	-354	-342	-297	-234	-142	-72	-27	-14	0	0
2450	0	0	-7	-24	-82	-142	-208	-318	-382	-408
2460	-400	-375	-353	-348	-354	-376	-417	-448	-477	-482
2470	-446	-373	-293	-213	-154	-82	-37	-52	107	167
2480	184	192	187	131	5	-224	-298	-311	-278	-278
2490	-160	-59	32	43	252	336	594	430	449	455
2500	455	451	446	431	402	346	300	204	129	65
2510	-81	-167	-239	-314	-365	-396	-410	-407	-386	-341
2520	-299	-248	-197	-135	-92	-64	-62	-69	-81	-54
2530	39	133	224	292	319	318	310	290	275	278
2540	320	388	467	524	563	572	540	476	400	330
2550	276	254	256	278	307	299	243	191	149	149
2560	130	130	126	114	100	63	29	-43	-86	-61
2570	-148	-251	-290	-302	-301	-295	-273	-252	-222	-190
2580	-163	-115	-79	-24	15	-25	-61	44	60	42
2590	37	24	18	6	-23	-57	-144	-179	-227	-211
2600	-205	-170	-101	-32	44	89	135	159	162	177
2610	180	181	179	159	89	144	140	137	102	118
2620	82	84	99	119	132	149	145	137	102	61
2630	-3	-66	-109	-121	-125	-125	-127	-132	-132	-144
2640	-124	-83	-95	1	24	41	59	79	95	99
2650	99	98	82	43	10	-62	-95	-134	-160	-186
2660	-205	-232	-249	-271	-287	-285	-269	-200	-124	-53

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	30	69	109	98	72	39	-99	-156	-208	-206
2680	-182	-241	-275	-283	-282	-278	-276	-274	-274	-271
2690	-238	-261	-283	-283	-282	-278	-276	-274	-274	-271
2700	-308	-338	-368	-368	-367	-363	-361	-359	-358	-358
2710	-384	-419	-454	-454	-453	-449	-447	-445	-444	-440
2720	-45	-51	-39	-33	-33	-33	-33	-33	-33	-34
2730	51	51	51	51	51	51	51	51	51	51
2740	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42
2750	48	48	48	48	48	48	48	48	48	48
2760	220	192	168	111	151	202	233	266	263	245
2770	210	192	168	111	151	202	233	266	263	245
2780	210	192	168	111	151	202	233	266	263	245
2790	210	192	168	111	151	202	233	266	263	245
2800	210	192	168	111	151	202	233	266	263	245
2810	210	192	168	111	151	202	233	266	263	245
2820	210	192	168	111	151	202	233	266	263	245
2830	210	192	168	111	151	202	233	266	263	245
2840	210	192	168	111	151	202	233	266	263	245
2850	210	192	168	111	151	202	233	266	263	245
2860	210	192	168	111	151	202	233	266	263	245
2870	210	192	168	111	151	202	233	266	263	245
2880	210	192	168	111	151	202	233	266	263	245
2890	210	192	168	111	151	202	233	266	263	245
2900	210	192	168	111	151	202	233	266	263	245
2910	210	192	168	111	151	202	233	266	263	245
2920	210	192	168	111	151	202	233	266	263	245
2930	210	192	168	111	151	202	233	266	263	245
2940	210	192	168	111	151	202	233	266	263	245
2950	210	192	168	111	151	202	233	266	263	245
2960	210	192	168	111	151	202	233	266	263	245
2970	210	192	168	111	151	202	233	266	263	245
2980	210	192	168	111	151	202	233	266	263	245
2990	210	192	168	111	151	202	233	266	263	245
3000	210	192	168	111	151	202	233	266	263	245
3010	210	192	168	111	151	202	233	266	263	245
3020	210	192	168	111	151	202	233	266	263	245
3030	210	192	168	111	151	202	233	266	263	245
3040	210	192	168	111	151	202	233	266	263	245
3050	210	192	168	111	151	202	233	266	263	245
3060	210	192	168	111	151	202	233	266	263	245
3070	210	192	168	111	151	202	233	266	263	245
3080	210	192	168	111	151	202	233	266	263	245
3090	210	192	168	111	151	202	233	266	263	245
3100	210	192	168	111	151	202	233	266	263	245
3110	210	192	168	111	151	202	233	266	263	245
3120	210	192	168	111	151	202	233	266	263	245
3130	210	192	168	111	151	202	233	266	263	245
3140	210	192	168	111	151	202	233	266	263	245
3150	210	192	168	111	151	202	233	266	263	245
3160	210	192	168	111	151	202	233	266	263	245
3170	210	192	168	111	151	202	233	266	263	245
3180	210	192	168	111	151	202	233	266	263	245
3190	210	192	168	111	151	202	233	266	263	245
3200	210	192	168	111	151	202	233	266	263	245

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	154	97	70	56	54	47	36	7	-53	-47
3220	-51	-42	-24	1	65	65	84	117	127	131
3230	130	118	67	90	53	77	70	65	65	41
3240	-18	-19	-175	-205	-239	-268	-272	-240	-192	-105
3250	-48	-19	327	227	-46	-94	-160	-236	-381	-336
3260	351	371	370	400	406	402	395	390	388	378
3270	-34	-321	-260	-218	-169	-148	-147	-163	-251	-251
3280	375	470	337	337	344	350	324	350	266	208
3290	-172	-48	-153	-152	-135	86	-5	80	189	295
3300	338	495	427	408	358	358	311	292	264	253
3310	356	345	325	325	346	368	372	373	368	368
3320	356	345	325	325	346	368	372	373	368	368
3330	356	345	325	325	346	368	372	373	368	368
3340	356	345	325	325	346	368	372	373	368	368
3350	356	345	325	325	346	368	372	373	368	368
3360	356	345	325	325	346	368	372	373	368	368
3370	356	345	325	325	346	368	372	373	368	368
3380	356	345	325	325	346	368	372	373	368	368
3390	356	345	325	325	346	368	372	373	368	368
3400	356	345	325	325	346	368	372	373	368	368
3410	356	345	325	325	346	368	372	373	368	368
3420	356	345	325	325	346	368	372	373	368	368
3430	356	345	325	325	346	368	372	373	368	368
3440	356	345	325	325	346	368	372	373	368	368
3450	356	345	325	325	346	368	372	373	368	368
3460	356	345	325	325	346	368	372	373	368	368
3470	356	345	325	325	346	368	372	373	368	368
3480	356	345	325	325	346	368	372	373	368	368
3490	356	345	325	325	346	368	372	373	368	368
3500	356	345	325	325	346	368	372	373	368	368
3510	356	345	325	325	346	368	372	373	368	368
3520	356	345	325	325	346	368	372	373	368	368
3530	356	345	325	325	346	368	372	373	368	368
3540	356	345	325	325	346	368	372	373	368	368
3550	356	345	325	325	346	368	372	373	368	368
3560	356	345	325	325	346	368	372	373	368	368
3570	356	345	325	325	346	368	372	373	368	368
3580	356	345	325	325	346	368	372	373	368	368
3590	356	345	325	325	346	368	372	373	368	368
3600	356	345	325	325	346	368	372	373	368	368
3610	356	345	325	325	346	368	372	373	368	368
3620	356	345	325	325	346	368	372	373	368	368
3630	356	345	325	325	346	368	372	373	368	368
3640	356	345	325	325	346	368	372	373	368	368
3650	356	345	325	325	346	368	372	373	368	368
3660	356	345	325	325	346	368	372	373	368	368
3670	356	345	325	325	346	368	372	373	368	368
3680	356	345	325	325	346	368	372	373	368	368
3690	356	345	325	325	346	368	372	373	368	368
3700	356	345	325	325	346	368	372	373	368	368
3710	356	345	325	325	346	368	372	373	368	368
3720	356	345	325	325	346	368	372	373	368	368
3730	356	345	325	325	346	368	372	373	368	368
3740	356	345	325	325	346	368	372	373	368	368

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3750	189	134	40	-26	-91	-140	-177	-177	-154	-114
3760	-75	-52	-29	-16	-31	-31	-96	-143	-187	-220
3770	-224	-190	-100	-7	54	109	114	117	75	43
3780	12	-2	-7	-7	-8	-13	-75	-125	-237	-320
3790	-378	-431	-474	-480	-459	-383	-267	-176	-43	-35
3800	11	14	-12	-37	-78	-109	-103	-102	-89	-35
3810	45	119	179	224	268	291	288	242	122	42
3820	-84	-157	-196	-210	-190	-125	-59	-37	14	-6
3830	-3	1	1	-2	-23	-55	-93	-339	-180	-214
3840	-253	-271	-288	-296	-302	-302	-308	-319	-333	-351
3850	-359	-359	-344	-314	-272	-212	-144	-92	-53	-48
3860	-32	-22	-20	-18	11	41	72	118	159	159
3870	162	170	165	154	145	142	145	172	203	231
3880	261	268	262	267	171	110	45	36	25	336
3890	54	59	62	68	68	91	135	215	283	336
3900	360	381	385	374	348	309	265	233	215	229
3910	239	248	254	259	250	214	184	179	144	182
3920	200	218	229	252	261	242	240	207	160	122
3930	76	58	35	9	-19	-42	-62	-88	-96	-69
3940	-83	-78	-82	-111	-136	-187	-211	-209	-173	-137
3950	-85	-60	-51	-45	-45	-43	-35	-7	69	154
3960	263	339	387	416	413	356	230	91	-126	-308
3970	-522	-702	-839	-1011	-1169	-1291	-1361	-1370	-1358	-1289
3980	-1191	-1026	-860	-693	-489	-298	-143	28	127	252
3990	293	320	319	314	294	265	236	16	216	252
4000	236	245	249	241	217	187	173	143	143	156
4010	139	139	146	145	141	137	133	145	143	179
4020	202	215	221	221	221	221	224	234	230	224
4030	189	94	53	43	33	40	62	81	98	100
4040	98	75	29	-11	-47	-77	-125	-137	-145	-142
4050	133	-128	-125	-126	-124	-107	-87	-61	-46	0
4060	-13	-43	-43	-113	-182	-270	-329	-364	-333	-274
4070	-218	-186	-142	-153	-151	-158	-177	-209	-243	-308
4080	-340	-353	-352	-345	-332	-314	-292	-266	-247	-230
4090	-204	-171	-132	-69	-60	-35	-12	1	20	20
4100	59	77	121	144	151	156	157	144	121	78
4110	74	78	84	101	116	126	136	149	160	175
4120	188	200	222	259	297	319	343	371	382	360
4130	396	402	410	412	407	399	397	398	400	414
4140	423	432	423	394	343	280	199	119	44	44
4150	6	-17	-30	-40	-52	-55	-57	-58	-63	-72
4160	102	-162	-207	-249	-287	-307	-327	-326	-313	-311
4170	-313	-329	-359	-415	-464	-492	-503	-489	-486	-475
4180	-482	-506	-534	-567	-593	-606	-610	-558	-480	-392
4190	-81	-75	-59	-22	71	94	80	26	39	39
4200	-89	-81	-72	-58	28	139	206	227	193	143
4210	42	-26	-33	-21	63	82	133	176	193	193
4220	178	146	146	166	85	52	73	127	167	271
4230	259	265	261	235	184	134	94	62	120	173
4240	213	245	241	275	282	288	292	293	268	271
4250	240	198	152	112	89	60	59	61	67	67
4260	57	25	25	11	-81	-187	-255	-306	-349	-383
4270	-384	-362	-321	-257	-204	-139	-82	-46	-63	-83
4280	-58	-55	-51	-49	-48	-51	-66	-84	-105	-107

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	-102	-99	-94	-89	-85	-82	-83	-86	-93	-99
4300	-113	-127	-137	-141	-130	-77	-12	39	79	107
4310	139	162	200	223	242	236	215	275	199	176
4320	143	111	99	94	99	132	200	274	341	383
4330	402	409	409	395	357	305	261	231	245	312
4340	409	485	557	612	659	715	724	723	705	652
4350	540	416	291	170	41	-44	-65	-82	-104	-114
4360	-138	-175	-185	-187	-187	-176	-161	-152	-170	-170
4370	-188	-203	-217	-227	-240	-241	-222	-182	-124	-76
4380	-9	101	106	150	179	177	134	63	5	5
4390	-87	-120	-131	-142	-172	-201	-248	-276	-310	-334
4400	-336	-342	-345	-348	-349	-334	-297	-334	-231	-199
4410	-180	-164	-166	-207	-245	-287	-310	-314	-307	-280
4420	-264	-251	-239	-224	-215	-189	-162	-144	-142	-142
4430	-144	-163	-167	-170	-170	-175	-177	-183	-191	-185
4440	-115	-71	0	55	69	61	31	-1	-33	-74
4450	-92	-92	-91	-91	-66	-22	-23	-27	-55	-106
4460	-177	-231	-281	-305	-313	-313	-305	-271	-250	-208
4470	-168	-136	-121	-120	-122	-126	-130	-102	-7	51
4480	112	169	219	264	299	321	333	340	327	312
4490	280	216	188	168	138	136	136	142	162	172
4500	185	197	196	194	189	177	159	159	157	155
4510	153	149	120	90	68	41	7	-17	-53	-74
4520	-87	-90	-96	-96	-88	-54	-21	-1	19	26
4530	45	70	96	116	131	130	122	66	24	-31
4540	-57	-65	-35	23	72	145	182	191	190	187
4550	63	41	48	79	91	141	182	172	119	139
4560	162	142	89	75	65	59	60	72	119	139
4570	142	146	145	137	124	116	96	71	-24	-86
4580	-154	-203	-237	-267	-262	-229	-194	-178	-169	-168
4590	-158	-145	-128	-87	-59	-29	1	24	23	5
4600	-89	-180	-239	-290	-305	-289	-212	-167	-79	-22
4610	31	42	41	20	-11	-43	-70	-66	-85	-61
4620	-27	-13	-3	-3	13	-29	-57	-78	-77	-72
4630	-69	-118	-117	-114	-89	-75	-50	-32	-16	-17
4640	-99	-118	-117	-114	-89	-75	-50	-32	-16	-17
4650	-25	-43	-52	-63	-66	-57	-33	-15	-5	-5
4660	-9	-57	-104	-161	-197	-207	-189	-138	-63	-18
4670	38	101	121	120	118	110	107	104	109	129
4680	145	159	168	168	167	162	153	113	195	60
4690	38	13	-1	-1	-1	42	74	113	171	227
4700	255	256	254	233	131	47	-5	-55	-89	-88
4710	-72	-44	-44	-44	-3	9	25	35	37	38
4720	42	41	24	12	5	-7	-14	-16	0	35
4730	97	101	117	130	137	143	147	146	143	120
4740	39	-64	-196	-292	-384	-451	-469	-467	-449	-405
4750	-343	-599	-629	-624	-600	-509	-400	-200	-208	-211
4760	-266	-217	-217	-218	-224	-227	-234	-254	-241	-241
4770	-268	-278	-291	-305	-305	-300	-272	-257	-160	-122
4780	-169	-175	-174	-63	73	-73	-112	-142	-154	-156
4790	-169	-115	-74	-4	19	71	64	24	24	24
4800	-62	-83	-112	-137	-137	-135	-109	-87	-77	-76
4810	-76	-76	-76	-78	-81	-102	-111	-148	-167	-167
4820	-167	-165	-132	-95	-44	-13	0	2	2	-3

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	-11	-13	-13	-13	-13	-14	-14	-16	-16	-16
4840	-10	11	32	84	180	209	220	208	231	249
4850	256	256	253	253	241	225	220	208	192	180
4860	169	168	158	141	81	58	-47	-67	-69	-38
4870	-3	15	59	82	81	27	-5	-5	-39	-40
4880	-39	-19	-9	-9	-32	-94	-118	-147	-146	-128
4890	-99	-42	3	16	15	4	-13	-64	-88	-108
4900	-143	-170	-85	-215	-238	-252	-260	-253	-208	-155
4910	-115	-77	-62	-25	-17	-20	-31	-53	-76	-88
4920	-103	-122	-134	-42	-145	-141	-85	-37	-12	-12
4930	0	11	4	-24	-60	-89	-95	-91	-60	-44
4940	-37	-35	37	-33	-30	-32	-28	-25	-25	-21
4950	-8	6	37	77	96	106	121	128	127	122
4960	121	135	151	159	160	158	161	170	178	180
4970	174	128	93	30	-10	-37	-46	-30	-3	10
4980	18	20	1	-7	-13	-16	-7	30	74	99
4990	121	138	156	171	173	178	181	179	174	163
5000	134	119	79	35	8	-5	1	19	34	49
5010	76	105	111	114	109	104	99	101	108	164
5020	218	250	283	279	266	235	192	157	135	122
5030	118	115	121	126	132	134	121	81	-4	-64
5040	-141	-209	-256	-284	-285	-269	-228	-186	-150	-128
5050	-96	-92	-93	-97	-111	-133	-161	-179	-183	-168
5060	-135	-94	-41	-20	24	54	69	69	47	-4
5070	-42	-60	-71	-75	-80	-79	-67	-52	-41	-32
5080	-30	-40	-40	-40	-40	-40	-40	-40	-40	-40
5090	-51	-40	-49	-60	-66	-63	-45	-21	-6	0
5100	-2	-7	-12	-16	-17	-14	-8	2	11	16
5110	-15	6	25	27	12	-4	-20	-25	-27	-12
5120	19	54	79	94	97	92	87	81	76	70
5130	19	54	79	94	97	92	87	81	76	70
5140	67	59	44	-22	-59	-97	-107	-111	-114	-118
5150	140	119	110	110	110	110	110	110	110	110
5160	0	36	46	49	42	33	11	-36	-64	-96
5170	-114	-119	-110	-72	-29	-16	-12	-8	-2	3
5180	14	24	46	69	74	72	34	-6	-92	-187
5190	-24	-373	-426	-440	-433	-400	-341	-240	-147	-101
5200	74	43	11	-6	17	48	75	85	94	89
5210	74	43	11	-6	17	48	75	85	94	89
5220	-215	-217	-194	-133	-77	-20	21	44	64	68
5230	67	59	53	8	32	-77	-125	-134	-140	-130
5240	-114	-101	-92	-80	-43	18	86	198	278	342
5250	373	383	331	269	248	221	218	225	238	238
5260	254	262	264	258	242	214	181	143	138	138
5270	146	161	163	158	148	131	108	95	109	179
5280	229	272	321	344	353	345	280	226	171	111
5290	118	77	6	-57	-95	-98	-92	-59	-39	-23
5300	-5	12	19	24	35	50	73	73	65	30
5310	-62	-108	-137	-152	-149	-140	-134	-137	-156	-198
5320	-214	-223	-235	-235	-196	-156	-130	-141	-174	-237
5330	-281	-320	-305	-305	-274	-223	-166	-151	-135	-130
5340	-106	-81	-54	-22	-3	40	85	108	125	136
5350	144	149	141	134	127	123	104	87	67	67
5360	50	21	5	0	0	-1	6	14	12	8

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	14	16	31	35	39	50	54	60	61	58
5380	56	61	78	85	105	129	145	166	186	212
5390	225	257	308	334	342	338	323	302	286	282
5400	306	343	368	402	433	421	394	333	333	243
5410	151	61	-14	-60	-69	-94	-100	-103	-112	-120
5420	-148	-190	-229	-264	-300	-340	-367	-378	-376	-364
5430	-356	-328	-285	-243	-200	-160	-136	-98	-64	-30
5440	-18	-12	-14	-63	-123	-146	-156	-154	-125	-111
5450	-94	-75	-61	-52	-36	-27	-22	-18	-19	-11
5460	5	17	28	45	71	81	86	90	94	94
5470	94	87	73	54	44	34	24	19	14	11
5480	17	21	24	24	21	17	2	-6	-4	-6
5490	24	31	44	48	49	47	38	5	-34	-63
5500	-87	-123	-154	-196	-257	-294	-327	-339	-338	-335
5510	-321	-274	-239	-214	-184	-128	-105	-86	-75	-67
5520	-55	-48	-47	-62	-64	-71	-77	-90	-94	-93
5530	-92	-91	-94	-100	-131	-230	-305	-351	-366	-413
5540	-428	-436	-435	-418	-381	-349	-326	-323	-325	-328
5550	-327	-309	-261	-169	-82	25	116	147	174	198
5560	206	217	225	230	235	228	223	221	224	224
5570	239	270	327	364	396	419	434	439	441	440
5580	439	437	435	434	433	436	441	451	461	468
5590	473	470	462	454	444	433	414	388	362	320
5600	267	223	146	90	38	8	5	38	132	210
5610	311	424	534	596	616	615	582	530	494	466
5620	436	419	425	445	452	464	479	500	521	530
5630	529	520	464	386	325	260	208	153	121	109
5640	99	98	92	87	70	51	36	11	-23	-63
5650	-97	-167	-213	-255	-319	-362	-395	-417	-434	-444
5660	-443	-330	-393	-323	-266	-228	-184	-162	-157	-162
5670	-169	-174	-204	-222	-247	-257	-264	-262	-235	-203
5680	-171	-167	-163	-172	-186	-206	-218	-222	-216	-213
5690	-209	-207	-213	-217	-212	-202	-187	-161	-121	-104
5700	-86	-81	-84	-114	-165	-225	-248	-244	-203	-123
5710	-35	35	90	111	118	115	125	142	166	193
5720	201	203	201	194	184	181	179	180	179	178
5730	174	163	127	88	56	8	-1	-22	-28	-31
5740	-28	-22	-17	-9	-8	-8	-10	-10	-12	-14
5750	-16	-20	-16	1	46	111	138	169	185	195
5760	192	183	168	130	118	106	84	68	60	54
5770	42	11	-1	-40	-61	-80	-112	-117	-120	-123
5780	-123	-127	-141	-162	-177	-190	-191	-187	-164	-124
5790	-92	-79	-79	-105	-135	-195	-232	-258	-277	-273
5800	-282	-276	-265	-261	-241	-218	-166	-112	-62	-20
5810	0	76	131	191	194	181	164	128	114	62
5820	49	38	36	65	109	135	164	206	214	215
5830	207	194	168	158	68	18	1	-21	-30	-37
5840	-47	-56	-63	-72	-96	-111	-120	-121	-128	-130
5850	-136	-142	-149	-163	-171	-190	-202	-205	-186	-136
5860	-85	-36	30	93	146	223	265	292	325	336
5870	340	338	328	313	283	275	271	270	279	284
5880	288	296	297	287	272	260	247	237	232	229
5890	231	234	236	244	252	261	267	259	251	248
5900	247	246	243	239	236	225	206	183	161	137

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5910	89	56	13	-13	-69	-124	-155	-164	-161	-132
5920	-78	-19	22	78	109	121	136	148	159	132
5930	120	109	102	118	142	134	107	99	94	92
5940	326	309	272	235	167	134	107	99	94	92
5950	154	161	165	154	137	92	21	-56	-14	-23
5960	-293	314	-111	-289	-246	-219	-197	-202	-202	-223
5970	-775	-308	-328	-348	-361	-370	-359	-350	-350	-350
5980	-388	-438	-461	-469	-446	-385	-310	-252	-248	-182
5990	-158	-153	-154	-157	-163	-172	-173	-176	-176	-182
6000	-121	-113	-113	-113	-134	-134	-132	-130	-128	-145
6010	-44	-44	-44	-44	-44	-184	-210	-217	-216	-172
6020	-162	-158	-158	-158	-168	-174	-178	-180	-176	-172
6030	-158	-155	-156	-156	-168	-175	-181	-181	-175	-177
6040	-138	-151	-192	-203	-203	-193	-160	-166	-161	-130
6050	-35	-19	-12	-10	-11	-17	-23	-23	-23	-23
6060	-70	-60	-46	-19	-19	11	54	71	89	97
6070	100	100	99	95	86	57	51	51	61	116
6080	144	210	246	319	389	453	519	579	619	648
6090	674	693	689	668	627	584	510	435	366	360
6100	338	342	360	397	449	461	469	446	433	382
6110	336	286	247	220	193	174	169	158	143	127
6120	114	65	60	60	65	73	81	80	72	127
6130	63	51	46	40	36	36	35	34	31	30
6140	25	20	3	-23	-92	-153	-171	-171	-171	-171
6150	-52	-8	26	25	15	-198	-180	-165	-172	-170
6160	-246	-259	-257	-247	-220	-198	-159	-114	-67	-220
6170	-9	14	35	46	79	105	133	149	149	126
6180	86	27	-33	-81	-93	-98	-98	-98	-101	-129
6190	212	-257	-280	-285	-265	-197	-144	-104	-104	-102
6200	102	-123	-134	-156	-154	-120	-117	-43	-117	-131
6210	178	177	160	104	63	-68	-18	-37	-35	-34
6220	177	160	104	63	-68	-18	-37	-35	-35	-34
6230	93	-48	-165	-208	-262	-280	-278	-276	-255	-241
6240	-232	-229	-223	-218	-204	-178	-125	-67	-252	-249
6250	-33	-48	-65	-79	-101	-104	-103	-113	-117	-113
6260	-156	-188	-213	-219	-207	-175	-139	-83	-65	-68
6270	2	9	14	13	3	-21	-43	-67	-95	-107
6280	106	-86	-45	-23	39	132	191	236	285	301
6290	310	297	282	212	137	113	77	59	46	46
6300	61	69	67	99	106	103	63	58	46	46
6310	-12	-17	-14	-14	-13	-1	11	51	74	82
6320	110	130	132	131	120	106	58	9	36	47
6330	-52	-35	-32	-22	-8	-7	-7	-25	-21	-34
6340	-41	-42	-32	-21	-8	-30	-55	-72	-71	-64
6350	47	19	-99	-47	-85	-69	-78	-85	-84	-84
6360	-65	-57	-69	-29	-24	-24	-24	-24	-24	-24
6370	-203	-217	-216	-215	-204	-151	-119	-55	-32	-70
6380	-31	-59	-77	-74	-49	-4	29	57	72	72
6390	84	86	93	97	104	108	107	94	57	25
6400	0	-23	50	-78	-64	-107	-106	-99	-83	-68
6410	84	84	84	84	84	84	84	84	84	84
6420	49	105	166	201	234	248	245	227	203	172
6430	154	139	137	137	145	151	159	164	171	165
6440	184	175	161	153	146	137	131	123	104	73

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6450	41	-3	-22	-33	-42	-43	-43	-42	-41	-41
6460	-44	-49	-49	-62	-76	-116	-157	-191	-218	-234
6470	-232	-169	-176	-53	-23	2	-95	-59	-198	-198
6480	-592	-336	-367	-365	-320	-234	-170	-206	-184	-177
6490	39	41	40	37	22	4	-12	-12	-7	17
6500	34	49	71	74	78	77	74	74	80	74
6510	85	90	99	99	98	74	58	23	-12	-54
6520	-80	-116	-138	-148	-147	-142	-127	-110	-89	-88
6530	-88	-98	-123	-138	-147	-149	-149	-143	-134	-129
6540	-117	-39	-12	41	52	51	45	44	44	44
6550	48	48	53	69	78	85	95	107	132	152
6560	178	199	197	174	157	125	106	93	79	79
6570	73	52	64	63	48	20	16	16	20	20
6580	28	59	75	90	114	140	160	171	169	145
6590	138	158	177	200	212	211	210	200	189	173
6600	139	158	177	200	212	211	210	200	189	173
6610	141	102	65	50	33	16	10	5	0	-3
6620	-12	-13	-11	-15	-10	-11	-16	-27	-42	-50
6630	-60	-60	-59	-54	-48	-35	-34	-41	-58	-77
6640	-99	-99	-98	-90	-82	-59	-50	-43	-32	-31
6650	-28	-17	4	16	37	58	59	54	49	24
6660	12	3	-7	-16	-17	-17	-14	-14	-14	-18
6670	-22	-37	-72	-93	-116	-140	-139	-135	-129	-112
6680	-190	-71	-52	-40	-40	-40	-40	-43	-52	-62
6690	-51	-44	-44	-43	-41	-39	-25	-17	17	39
6700	74	98	118	127	137	142	151	162	177	195
6710	204	226	230	229	224	214	187	139	115	89
6720	50	40	29	17	12	6	0	-8	-8	-7
6730	4	11	18	21	19	10	-13	-30	-37	-38
6740	-37	-29	-16	-8	7	25	24	16	-4	-34
6750	-90	-130	-155	-163	-156	-129	-69	-56	-42	-42
6760	-73	-132	-168	-201	-203	-202	-194	-185	-182	-176
6770	-147	-128	-113	-103	-103	-113	-143	-157	-168	-168
6780	-191	-206	-206	-199	-187	-169	-153	-142	-117	-100
6790	-83	-54	-38	-3	18	50	59	63	69	65
6800	61	60	60	60	62	64	66	66	73	77
6810	79	79	79	79	78	74	53	41	27	17
6820	5	0	-7	-10	-17	-18	-18	-14	-7	0
6830	0	-1	-3	-7	-9	-9	-9	-4	1	11
6840	22	45	44	42	11	0	-13	-17	-17	-10
6850	-3	9	18	25	31	37	52	101	123	158
6860	188	201	199	183	169	149	121	98	86	71
6870	7	44	38	28	17	14	11	10	10	10
6880	9	0	-31	-63	-119	-156	-166	-156	-149	-129
6890	-37	-31	-16	-8	8	28	39	51	63	62
6900	59	55	55	55	55	69	85	125	137	146
6910	144	110	76	68	38	35	56	70	80	80
6920	83	82	63	16	-1	-10	-15	-16	-20	-20
6930	-23	-27	-36	-46	-50	-53	-48	-44	-43	-43
6940	-50	-50	-56	-63	-67	-71	-71	-70	-69	-63
6950	-62	-44	-35	-5	1	24	34	33	29	23
6960	19	18	21	27	31	42	41	24	0	-17
6970	-39	-59	-67	-66	-61	-50	-41	-36	-36	-41
6980	-47	-50	-52	-52	-45	-37	-35	-31	-26	-23

TO BE CONTINUED

CONTINUED(S-235 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6990	-83	-23	-23	-18	-14	-6	10	26	35	41
7000	57	74	81	83	96	107	116	116	116	122
7010	124	132	140	149	166	169	168	163	162	162
7020	168	184	203	211	210	206	176	162	159	151
7030	68	67	97	97	114	136	147	168	173	184
7040	185	184	182	172	155	128	104	89	75	57
7050	44	28	10	-17	-60	-80	-123	-142	-156	-173
7060	-180	-174	-166	-160	-155	-149	-148	-145	-145	-145
7070	-148	-150	-152	-153	-157	-167	-166	-166	-166	-166
7080	-134	-126	-122	-123	-124	-131	-142	-144	-143	-138
7090	-131	-122	-112	-101	-90	-80	-96	-100	-100	-100
7100	-229	-233	-242	-249	-252	-249	-231	-219	-222	-222
7110	-89	-59	-41	-37	-37	-46	-63	-67	-74	-84
7120	-76	-75	-64	-52	-37	9	43	93	119	135
7130	147	155	154	139	131	109	70	43	20	16
7140	16	35	38	52	75	87	103	117	122	133
7150	141	146	163	179	191	193	183	175	169	159
7160	156	156	165	179	185	193	205	215	217	216
7170	209	196	182	166	149	134	114	104	90	89
7180	79	74	69	59	49	39	31	23	19	19
7190	16	11	4	-19	-47	-95	-137	-167	-185	-196
7200	-196	-187	-175	-157	-148	-146	-153	-170	-192	-213
7210	-214	-213	-203	-188	-173	-158	-129	-112	-87	-62
7220	-45	-36	-36	-43	-53	-63	-71	-85	-85	-79
7230	-70	-61	-54	-50	-50	-50	-57	-65	-67	-70
7240	-69	-67	-67	-67	-68	-69	-70	-68	-57	-46
7250	-32	-28	-28	-33	-37	-40	-42	-41	-35	-16
7260	4	16	28	35	34	31	29	23	16	8
7270	6	5	11	19	25	35	34	31	28	26
7280	25	25	25	25	25	25	25	25	25	25
7290	114	89	58	43	40	40	40	40	40	40
7300	95	94	87	73	49	36	36	46	52	62
7310	67	73	76	77	77	77	77	84	85	89
7320	105	111	121	134	133	128	112	102	88	73
7330	70	70	75	92	113	145	151	156	153	133
7340	49	33	23	34	32	29	22	15	12	19
7350	-12	23	34	34	32	29	22	15	12	19
7360	37	65	93	107	112	111	95	90	74	60
7370	43	33	29	24	24	24	19	17	16	8
7380	0	-13	-29	-39	-52	-77	-103	-121	-137	-143
7390	0	-147	-149	-153	-159	-165	-167	-172	-177	-180
7400	-183	-183	-183	-186	-186	-186	-186	-191	-196	-195
7410	-195	-196	-196	-196	-196	-198	-197	-191	-176	-151
7420	-142	-129	-123	-115	-112	-105	-89	-54	-25	-4
7430	18	31	45	50	53	56	56	59	65	72
7440	79	80	80	79	79	67	53	29	10	2
7450	0	0	6	8	15	17	21	24	30	33
7460	35	39	41	48	57	66	76	87	95	99
7470	95	93	91	87	86	86	86	96	101	116
7480	136	145	144	137	130	125	115	104	99	95
7490	93	95	95	96	96	95	92	90	86	84
7500	83	80	76	69	57	24	-24	-62	-90	-112
7510	83	80	76	69	57	24	-24	-62	-90	-112
7520	83	80	76	69	57	24	-24	-62	-90	-112

TO BE CONTINUED

CONTINUED(S-235 U-D)

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
7530	-117	-115	-92	-72	-57	-48	-48	-48	-48	-50	-36	-32	-23	-8	0	9	9	4	-9	-19
7540	-51	-53	-35	-43	-40	-33	-18	-18	-18	-28	-36	-39	-41	-39	-29	-23	-17	-10	-4	-3
7550	-28	-30	-32	-34	-32	-23	6	17	19	19	-3	-3	-3	0	11	11	19	29	39	49
7560	21	11	16	16	16	20	31	45	71	71	56	58	58	57	51	44	37	32	35	43
7570	91	118	129	128	124	119	91	81	41	17	81	67	75	79	81	80	79	77	73	71
7580	1	-11	-29	-43	-66	-87	-91	-92	-68	-62	1120	71	72	74	78	77	64	57	56	56
7590	-79	-73	-73	-72	-73	-68	-68	-68	-68	-62	8120	56	62	64	63	62	53	39	23	9
7600	-56	-37	-26	-13	-2	3	1	3	-1	-11	8140	-3	-8	-10	-10	-12	-12	-10	-12	-15
7610	-19	-29	-29	-30	-29	-22	-13	-6	-3	-3	8150	-29	-39	-57	-62	-73	-79	-83	-84	-83
7620	-8	-13	-19	-26	-30	-36	-43	-47	-51	-58	8160	-82	-80	-76	-75	-73	-59	-55	-39	135
7630	-53	-54	-54	-54	-54	-57	-57	-58	-57	-58	8170	-82	-80	-76	-75	-73	-59	-55	-39	135
7640	-50	-41	-31	-32	-32	-37	-53	-58	-60	-57	8180	134	135	137	136	133	130	126	119	109
7650	-43	-26	-3	12	23	32	35	35	23	9	8190	99	84	80	79	74	73	65	53	37
7660	2	-5	-5	-6	-1	8	18	30	40	40	8200	28	15	15	20	19	8	5	-3	-2
7670	51	66	82	91	107	132	142	142	142	142	8210	5	14	20	20	19	8	5	-3	-2
7680	142	145	144	136	144	96	65	53	41	36	8220	-27	-36	-39	-44	-46	-45	-44	-36	-4
7690	36	36	45	54	64	75	78	77	59	28	8230	-27	-19	0	21	35	45	48	47	46
7700	30	0	1	10	23	24	30	35	35	35	8240	43	42	41	41	45	53	57	65	75
7710	41	50	51	51	50	23	10	-7	-29	-43	8250	77	82	85	88	92	95	102	107	116
7720	-63	-71	-76	-76	-75	-69	-65	-65	-65	-65	8260	133	145	152	155	157	156	155	154	149
7730	-71	-73	-75	-72	-63	-53	-43	-35	-19	-6	8270	143	140	135	131	131	130	128	124	109
7740	5	9	17	23	25	35	47	63	75	81	8280	94	79	69	59	45	41	35	29	25
7750	81	80	79	69	61	57	51	51	62	79	8290	20	13	4	0	-18	-28	-33	-32	-29
7760	87	97	105	105	104	99	79	49	29	10	8300	-26	-19	-12	-10	-8	-7	-2	4	15
7770	-1	-4	-4	0	8	19	24	24	16	8	8310	36	41	41	39	29	10	0	-7	-13
7780	-7	-7	-45	-57	-69	-85	-84	-61	-22	-6	8320	-13	-13	-13	-17	-22	-30	-47	-60	-104
7790	31	11	-1	-27	-59	-69	-68	-62	-47	-31	8330	-142	-156	-174	-189	-197	-198	-198	-203	-205
7800	-20	-15	-14	-27	-31	-39	-46	-45	-43	-27	8340	-212	-224	-237	-246	-247	-248	-247	-243	-242
7810	-23	-19	-13	0	15	20	35	42	47	51	8350	-242	-246	-247	-246	-245	-238	-228	-215	-179
7820	51	51	50	48	41	37	32	32	30	29	8360	-162	-151	-139	-129	-127	-123	-121	-118	-118
7830	25	22	19	19	19	20	25	33	54	68	8370	-171	-123	-127	-130	-131	-130	-129	-117	-115
7840	68	67	44	30	-24	-126	-147	-169	-181	-199	8380	-99	-81	-69	-61	-49	-41	-33	-29	-19
7850	-187	-193	-197	-205	-209	-210	-214	-225	-239	-249	8390	17	17	19	19	29	37	43	53	64
7860	-265	-278	-287	-294	-297	-295	-289	-281	-269	-263	8400	79	85	93	107	115	119	126	126	126
7870	-260	-253	-241	-220	-191	-162	-142	-136	-136	-136	8410	125	123	124	123	119	109	99	88	75
7880	-139	-143	-146	-146	-130	-107	-97	-79	-67	-55	8420	61	57	54	51	49	48	47	41	36
7890	-45	-33	-19	-12	-10	-10	-10	-10	-10	-10	8430	23	17	8	5	5	-5	-11	-23	-32
7900	11	15	19	29	37	43	54	61	62	70	8440	-27	-42	-43	-43	-43	-42	-39	-35	-28
7910	76	82	92	98	104	111	116	118	118	124	8450	-22	-16	-16	-16	-17	-17	-16	-16	0
7920	126	125	125	117	111	104	101	100	100	101	8460	5	12	37	59	77	94	109	119	118
7930	105	115	125	143	160	179	192	198	198	198	8470	109	101	93	83	73	70	71	71	69
7940	198	198	198	198	198	218	230	241	261	261	8480	68	67	65	59	55	55	55	63	68
7950	282	298	297	291	271	246	217	196	159	149	8490	70	70	69	57	51	44	35	24	20
7960	141	139	149	157	169	184	197	205	203	196	8500	19	25	33	39	43	57	62	61	55
7970	183	168	149	129	119	110	109	109	108	113	8510	51	47	39	34	32	32	32	38	41
7980	109	99	79	39	-6	-37	-67	-99	-107	-113	8520	45	53	59	60	60	59	52	49	47
7990	-113	-113	-112	-111	-111	-111	-113	-116	-116	-113	8530	43	41	39	34	31	24	19	4	0
8000	-117	-118	-122	-122	-123	-125	-124	-121	-113	-109	8540	-19	-13	-10	-7	-4	4	5	-3	-9
8010	-101	-96	-89	-85	-74	-73	-76	-83	-97	-83	8550	-19	-23	-24	-24	-24	-24	-24	-23	-21
8020	-117	-133	-147	-159	-168	-167	-153	-141	-106	-67	8560	-20	-17	-13	-10	-7	-4	-2	-2	-20
8030	-56	-48	-41	-40	-40	-46	-46	-45	-42	-37	8570	-21	-23	-24	-24	-24	-24	-22	-12	-13
8040	-24	-13	-9	-15	-17	-17	-33	-34	-54	-63	8580	-17	-22	-21	-22	-22	-27	-27	-23	-13
8050	-21	-13	-9	-9	-9	-17	-26	-37	-54	-63	8590	19	24	24	25	25	31	36	39	46
8060	-64	-63	-56	-49	-49	-47	-45	-43	-41	-39	8600	60	60	60	56	51	45	37	29	21

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8610	17	19	24	30	35	35	34	24	19	4
8620	0	-5	-6	-6	-5	-3	0	0	0	-13
8630	0	1	3	4	3	0	0	-3	-1	0
8640	-16	-23	-28	-34	-40	-52	-63	-66	-17	-14
8650	-57	-56	-41	-31	-26	-23	-19	-19	-16	-15
8660	-13	-9	-5	-2	0	4	7	11	15	17
8670	21	26	31	41	51	56	62	65	66	68
8680	68	74	75	79	82	83	83	83	79	77
8690	70	68	68	68	67	64	61	58	52	43
8700	31	22	17	15	17	22	28	32	34	34
8710	36	34	28	24	21	18	16	14	12	9
8720	10	7	5	1	-2	-6	-18	-19	-11	-13
8730	-10	-10	-10	-13	-15	-17	-18	-18	-22	-23
8740	-29	-30	-34	-38	-42	-45	-49	-52	-53	-50
8750	-47	-45	-41	-38	-36	-34	-31	-28	-27	-24
8760	-20	-15	-14	-17	-17	-19	-21	-21	-15	-12
8770	-2	9	21	36	47	55	57	64	64	69
8780	70	72	75	77	83	87	89	92	95	95
8790	94	91	89	87	82	78	75	69	65	66
8800	64	64	63	60	54	48	38	27	9	0
8810	-5	-7	-9	-12	-13	-15	-19	-26	-29	-37
8820	-46	-49	-50	-47	-44	-41	-35	-29	-25	-19
8830	-13	-14	-12	-9	-8	-5	-3	2	10	16
8840	0	2	18	14	12	7	3	-2	-5	-3
8850	-32	-34	-32	-29	-27	-24	-21	-19	-16	-13
8860	-15	-18	-22	-23	-27	-27	-24	-24	-22	-20
8870	-16	-10	-8	-3	0	11	24	37	52	61
8880	61	62	59	55	53	51	48	48	50	52
8890	59	61	61	63	60	55	51	50	48	48
8900	48	48	48	47	50	55	57	58	59	58
8910	57	54	48	42	39	36	30	28	27	28
8920	26	26	24	23	21	21	20	19	18	16
8930	13	11	9	8	7	8	6	5	5	7
8940	0	20	20	20	21	24	29	35	43	48
8950	53	55	60	67	71	75	77	78	84	87
8960	84	83	79	78	76	74	70	65	63	58
8970	53	50	49	47	45	41	39	37	30	26
8980	15	10	5	-1	-5	-16	-21	-26	-24	-23
8990	-23	-20	-18	-17	-18	-23	-28	-30	-40	-45
9000	-48	-47	-45	-44	-44	-45	-46	-50	-52	-54
9010	-57	-60	-62	-61	-58	-55	-54	-53	-52	-56
9020	-56	-65	-68	-69	-70	-68	-68	-67	-63	-56
9030	-50	-44	-42	-38	-36	-30	-24	-22	-17	-14
9040	-11	-9	-8	-7	-7	-13	-14	-16	-17	-20
9050	-22	-24	-26	-23	-24	-20	-11	0	7	18
9060	24	30	36	36	45	53	58	61	64	62
9070	54	59	72	76	77	82	83	84	82	80
9080	74	68	57	45	32	18	6	-6	-13	-13
9090	-74	-38	-42	-47	-51	-54	-59	-64	-68	-68
9100	-75	-77	-78	-79	-79	-79	-79	-81	-85	-85
9110	-86	-91	-87	-86	-83	-78	-74	-70	-74	-70
9120	-87	-92	-91	-87	-86	-83	-78	-74	-70	-74
9130	-87	-92	-91	-87	-86	-83	-78	-74	-70	-74
9140	-94	-97	-95	-94	-93	-91	-86	-81	-75	-74

TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
9150	-51	-50	-48	-46	-44	-43	-41	-36	-34	-32
9160	-30	-29	-23	-23	-24	-27	-27	-23	-17	-6
9170	4	17	21	28	34	35	33	30	27	25
9180	22	29	35	41	44	44	44	52	61	71
9190	60	66	68	68	68	100	97	96	96	85
9200	97	99	101	103	92	97	94	91	87	85
9210	87	89	91	95	98	98	98	98	98	96
9220	98	99	99	99	101	104	109	118	121	118
9230	116	111	98	94	94	96	96	98	100	101
9240	105	102	101	96	95	88	77	71	68	66
9250	88	85	80	75	72	66	61	58	54	51
9260	43	44	46	44	43	42	42	45	45	43
9270	-66	-69	-72	-74	-74	-72	-68	-62	-58	-52
9280	-39	-42	-45	-41	-46	-44	-41	-38	-36	-30
9290	-25	-26	-28	-28	-28	-28	-28	-28	-28	-28
9300	21	31	44	51	61	76	80	79	75	72
9310	67	57	47	36	27	21	14	10	-5	-14
9320	-28	-51	-60	-75	-86	-94	-110	-118	-126	-136
9330	-146	-149	-154	-157	-162	-165	-165	-162	-155	-147
9340	-139	-127	-107	-82	-69	-59	-53	-47	-43	-41
9350	-33	-27	-20	-15	-11	-8	-11	18	18	19
9360	12	6	-1	-17	-22	-33	-50	-56	-65	-84
9370	-92	-98	-98	-98	-103	-103	-102	-108	-111	-107
9380	-116	-117	-122	-120	-121	-128	-122	-117	-107	-107
9390	-102	-86	-81	-74	-73	-70	-67	-66	-65	-58
9400	-49	-41	-28	-18	-11	-4	2	13	21	24
9410	30	34	36	38	38	40	49	49	53	53
9420	55	58	58	58	65	75	80	91	98	100
9430	99	99	99	99	99	101	103	108	111	117
9440	125	129	131	136	145	145	144	138	123	114
9450	100	94	89	88	83	79	78	75	72	72
9460	73	76	76	76	76	81	81	85	87	90
9470	97	101	106	116	117	121	123	125	131	134
9480	136	139	146	145	145	144	143	139	133	127
9490	123	121	121	116	109	100	94	76	62	49
9500	29	19	-33	-35	-38	-40	-43	-53	-59	-59
9510	-32	-33	-35	-38	-40	-43	-43	-53	-59	-59
9520	-65	-65	-68	-69	-70	-77	-77	-82	-83	-88
9530	-93	-97	-102	-104	-107	-108	-105	-101	-96	-90
9540	-87	-87	-91	-98	-99	-103	-109	-113	-112	-111
9550	-108	-102	-93	-82	-69	-66	-66	-66	-72	-74
9560	-43	-43	-42	-42	-42	-42	-42	-42	-42	-43
9570	-43	-43	-42	-42	-42	-42	-42	-42	-42	-43
9580	-82	-81	-79	-79	-79	-80	-80	-81	-79	-79
9590	-79	-68	-53	-41	-30	-14	1	21	24	49
9600	49	56	62	68	76	78	78	85	90	96
9610	98	105	108	112	115	120	131	138	145	148
9620	149	149	148	144	140	134	132	129	124	124
9630	118	113	108	101	94	86	75	63	57	50
9640	49	38	30	29	29	29	24	21	17	9
9650	9	8	7	7	7	7	7	11	11	9
9660	9	9	11	14	17	23	30	34	39	44
9670	45	46	46	46	46	46	47	48	48	51
9680	52	56	59	64	65	68	74	78	85	90

TO BE CONTINUED

CONTINUED(5-235, U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
9590	92	95	95	95	95	96	98	98	97	84
9700	79	77	71	41	67	51	54	47	48	48
9710	48	47	45	42	31	37	32	31	11	19
9720	5	-29	-34	-40	-44	-44	-43	-39	-27	-37
9730	-30	-28	-29	-36	-30	-36	-36	-36	-23	-27
9740	-35	-32	-29	-26	-23	-20	-19	-20	-18	-24
9750	-27	-28	-27	-29	-26	-23	-20	-15	18	21
9760	-11	-13	-11	-9	-5	-4	5	-4	18	21
9770	24	23	17	6	-7	-23	-28	-14	-28	-20
9780	-47	-42	-31	-21	-13	-11	-10	-4	-23	-20
9790	-38	-45	-53	-38	-63	-64	-63	-67	-55	-34
9800	-75	-73	-69	-66	-59	-56	-53	-51	-44	-44
9810	-62	-57	-50	-44	-38	-36	-29	-23	-21	-17
9820	-13	-14	-17	-13	-3	5	14	21	30	34
9830	36	34	31	28	23	18	14	12	10	17
9840	17	19	19	15	15	11	11	17	23	20
9850	-7	15	-2	0	35	4	13	7	63	5
9860	16	18	21	30	45	45	59	74	93	106
9870	121	124	127	126	120	109	105	101	95	98
9880	99	100	102	102	97	92	92	82	73	45
9890	55	54	52	51	50	49	46	48	47	41
9900	43	40	34	28	13	32	5	7	28	11
9910	2	14	14	30	34	37	35	30	20	24
9920	6	0	-3	-2	0	5	7	14	16	16
9930	16	9	6	2	4	7	9	11	14	14
9940	15	7	-2	-6	-13	-20	-27	-31	-29	-25
9950	-19	-17	-13	-8	-9	-8	-13	-15	-17	-17
9960	-23	-23	-21	-21	-25	-26	-24	-22	-22	-21
9970	-14	-14	-14	-14	-17	-20	-23	-28	-27	-17
9980	-49	-57	-67	-71	-71	-68	-65	-59	-52	-48
10000	-45	-43	-40	-36	-36	-35	-31	-32	-33	-32
10010	-31	-29	-30	-30	-31	-29	-27	-24	-19	-14
10020	-7	-3	0	-3	4	0	-3	-7	-9	-12
10030	-11	-8	-7	-3	-3	-2	-3	-6	-9	-13
10040	-14	-19	-26	-29	-29	-27	-24	-21	-23	-26
10050	-31	-37	-43	-47	-51	-50	-43	-38	-32	-26
10060	4	4	1	0	-3	7	12	16	19	16
10070	8	18	28	30	40	50	50	48	44	39
10080	31	27	24	21	24	27	30	32	33	32
10090	24	21	20	24	30	30	32	33	33	32
10100	32	34	35	36	36	38	37	33	30	30
10110	28	30	35	36	40	45	49	47	50	48
10120	46	41	35	29	21	18	15	11	10	6
10130	-2	-7	-7	-17	-16	-14	-13	-12	-11	-11
10140	-7	-9	-7	-5	-5	-5	-3	-2	-2	0
10150	-1	11	4	5	5	5	6	5	5	5
10160	-5	-11	-22	-33	-37	-49	-52	-54	-56	-58
10170	-38	-39	-41	-44	-44	-47	-45	-47	-47	-48
10180	-10	-9	-10	-10	-10	-10	-10	-10	-10	-10
10190	9	35	38	39	38	35	34	31	24	32
10200	57	38	38	37	38	35	34	31	24	32
10210	35	41	55	58	75	89	76	67	64	64
10220	93	91	96	102	108	108	109	107	103	102

TO BE CONTINUED

CONTINUED(5-235, U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10230	100	99	97	96	95	94	93	91	92	94
10240	95	98	102	107	112	120	132	174	150	84
10250	113	109	197	195	195	120	132	174	150	128
10260	129	130	133	132	128	128	113	108	102	75
10270	70	86	84	81	81	80	78	74	77	73
10280	71	67	67	64	60	58	56	54	57	51
10290	24	17	6	0	-6	-13	-16	-31	-36	-36
10300	-49	-55	-63	-62	-64	-64	-63	-71	-76	-75
10310	-91	-87	-86	-85	-82	-77	-72	-71	-68	-65
10320	-64	-61	-59	-55	-52	-47	-42	-41	-38	-35
10330	-38	-42	-42	-44	-44	-43	-41	-36	-37	-38
10340	-42	-40	-38	-36	-35	-34	-32	-26	-27	-27
10350	-38	-38	-37	-37	-39	-34	-32	-26	-27	-27
10360	-14	-17	-17	-17	-20	-21	-21	-23	-23	-23
10370	-20	-17	-16	-14	-8	0	3	5	7	9
10380	-3	-3	-4	-2	13	1	17	18	18	18
10390	7	8	7	8	15	17	17	16	18	18
10400	17	18	17	21	22	25	28	27	27	30
10410	31	31	31	32	31	34	35	37	37	41
10420	42	51	52	51	48	46	39	34	32	30
10430	28	26	24	21	19	18	16	17	14	13
10440	11	9	8	5	3	0	-7	-3	-7	-12
10450	-14	-18	-20	-23	-23	-28	-27	-27	-30	-30
10460	-29	-30	-29	-27	-24	-22	-19	-17	-15	-13
10470	-12	-12	-11	-10	-7	-5	-1	10	13	19
10480	26	29	32	37	39	43	46	51	57	60
10490	64	67	66	66	65	63	60	56	57	55
10500	53	52	51	52	54	56	57	59	65	60
10510	74	76	79	78	77	77	78	79	80	80
10520	83	84	85	87	86	85	84	81	77	76
10530	74	70	69	65	61	57	50	40	31	20
10540	11	2	-7	-14	-17	-23	-28	-32	-35	-37
10550	-40	-40	-43	-44	-47	-49	-53	-56	-58	-61
10560	-63	-64	-67	-68	-73	-73	-77	-80	-83	-83
10570	-84	-86	-87	-87	-87	-87	-87	-87	-88	-90
10580	-92	-93	-93	-93	-93	-92	-91	-89	-89	-89
10590	-82	-82	-82	-82	-82	-82	-82	-82	-82	-82
10600	-28	-26	-24	-21	-20	-17	-17	-20	-21	-23
10610	-23	-23	-24	-23	-20	-17	-13	-10	-9	-8
10620	-4	-4	-3	-3	-3	-3	-3	-5	-6	-7
10630	-13	-14	-14	-14	-14	-12	-10	-10	-10	-10
10640	-15	-14	-14	-16	-20	-19	-18	-18	-20	-23
10650	-26	-29	-33	-33	-42	-46	-49	-52	-53	-56
10660	-55	-67	-72	-71	-68	-67	-67	-64	-59	-56
10670	-65	-67	-72	-72	-71	-68	-67	-64	-59	-56
10680	-21	-20	-19	-14	-14	-12	-11	-10	-9	-9
10690	-8	-8	-7	-6	-6	-6	-6	-6	-6	-6
10700	-22	-2	0	-2	-3	-3	-5	-9	-9	-14
10710	-22	-14	-14	-12	-12	-10	-9	-7	-6	-6
10720	-7	-5	-3	-3	-3	-3	-3	-3	-3	-3
10730	17	21	24	27	29	27	26	24	21	15
10740	82	68	71	77	77	76	78	82	85	87
10750	90	97	98	102	102	105	107	106	105	101

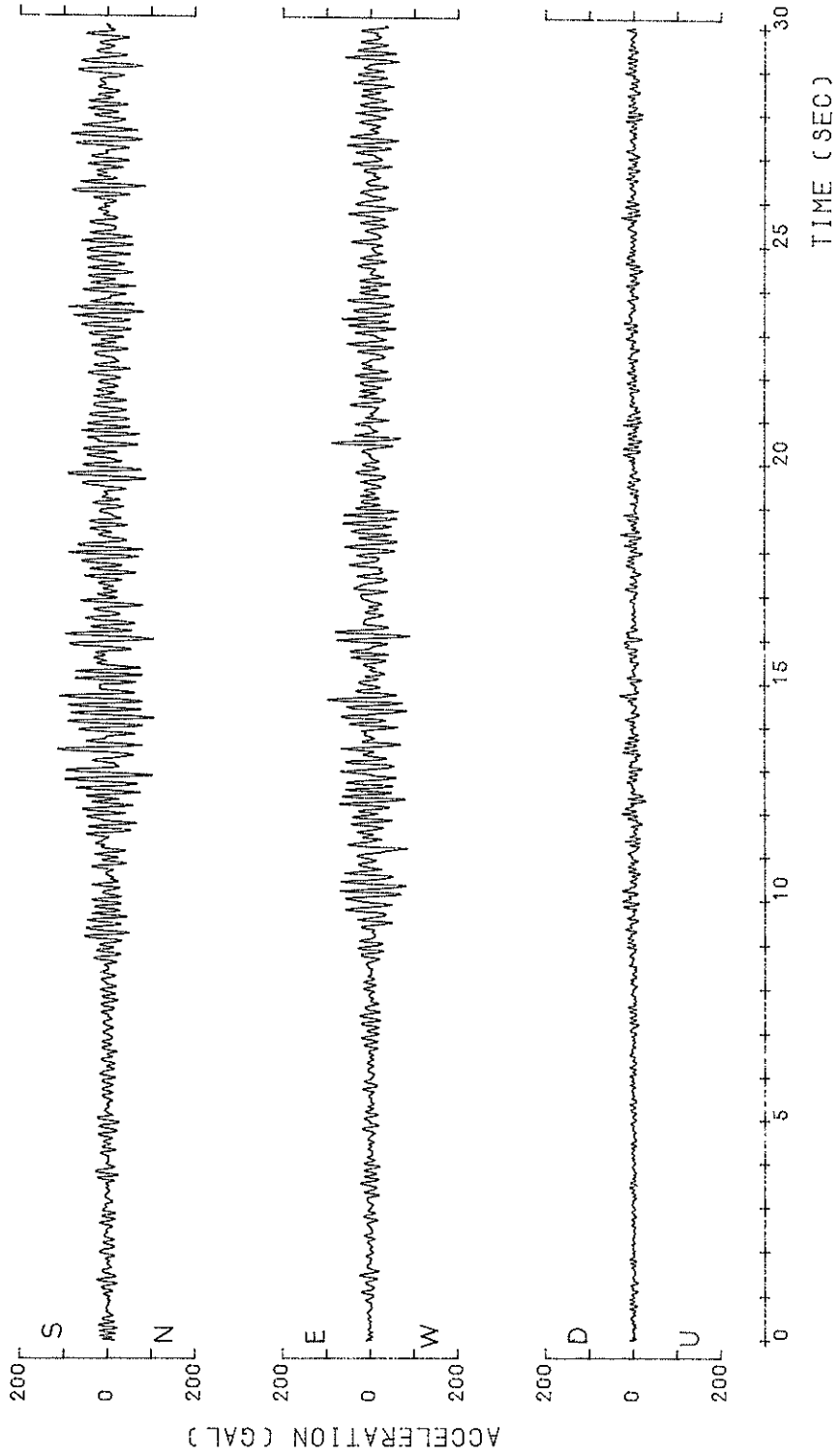
TO BE CONTINUED

CONTINUED(S-235 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10770	96	90	88	87	85	84	83	81	80	80
10780	81	82	82	84	85	85	85	86	89	90
10790	91	94	99	101	105	107	109	110	112	111
10800	110	109	104	99	93	91	91	92	92	91
10810	88	82	75	70	68	62	55	49	46	40
10820	38	33	28	23	18	6	2	-1	-6	-9
10830	-15	-23	-29	-33	-36	-35	-34	-32	-30	-30
10840	-29	-39	-48	-57	-66	-75	-84	-92	-98	-99
10850	-28	-38	-47	-57	-67	-76	-85	-93	-100	-102
10860	-35	-44	-54	-64	-74	-83	-92	-100	-107	-109
10870	-37	-46	-56	-66	-76	-85	-94	-102	-109	-111
10880	-36	-45	-55	-65	-75	-84	-93	-101	-108	-110
10890	-32	-40	-50	-58	-67	-76	-85	-93	-100	-106

END

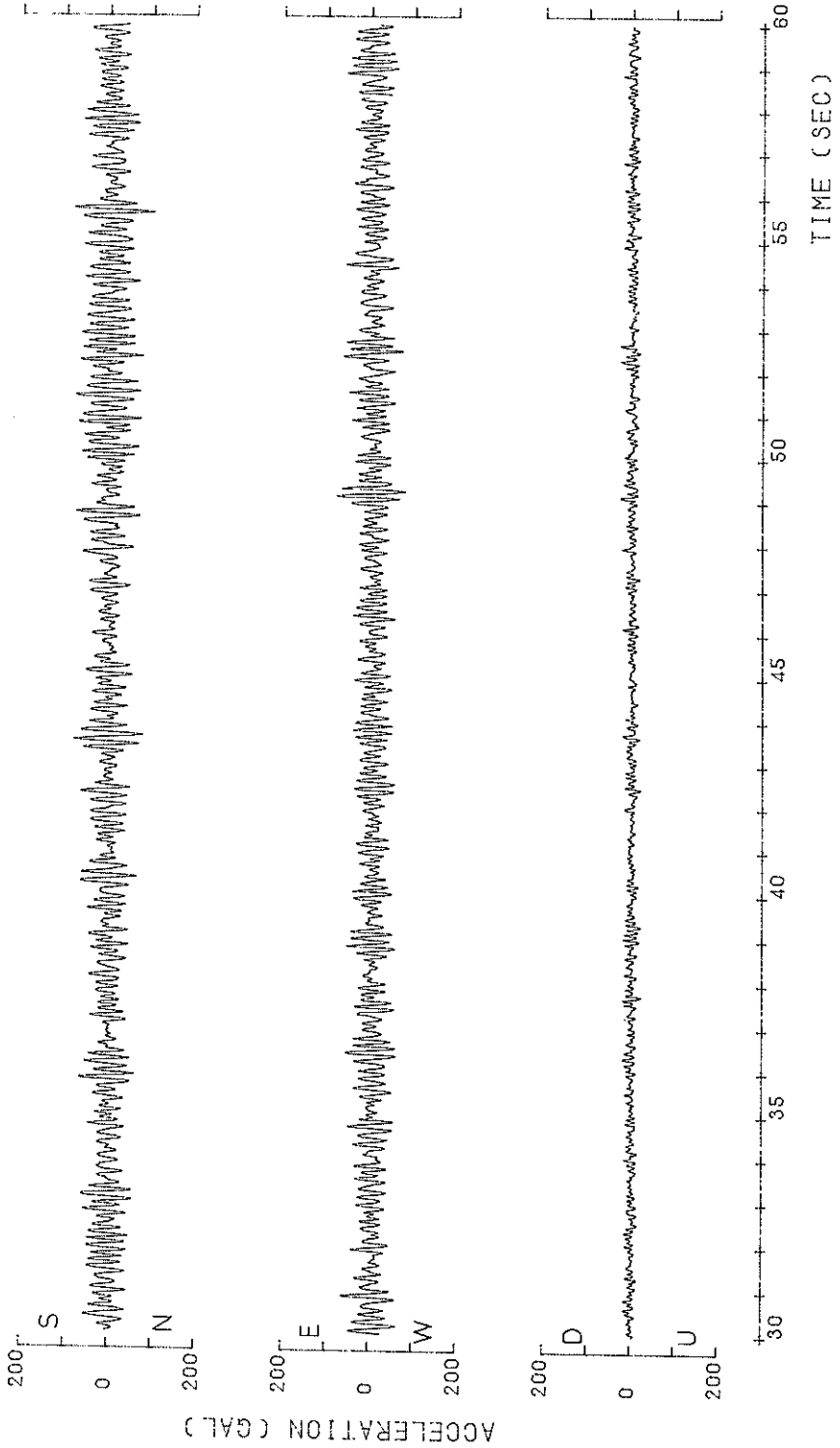
S-236 MIYAKO-S 1968-05-16-09-49



1968-05-16-09-49

MIYAKO-S

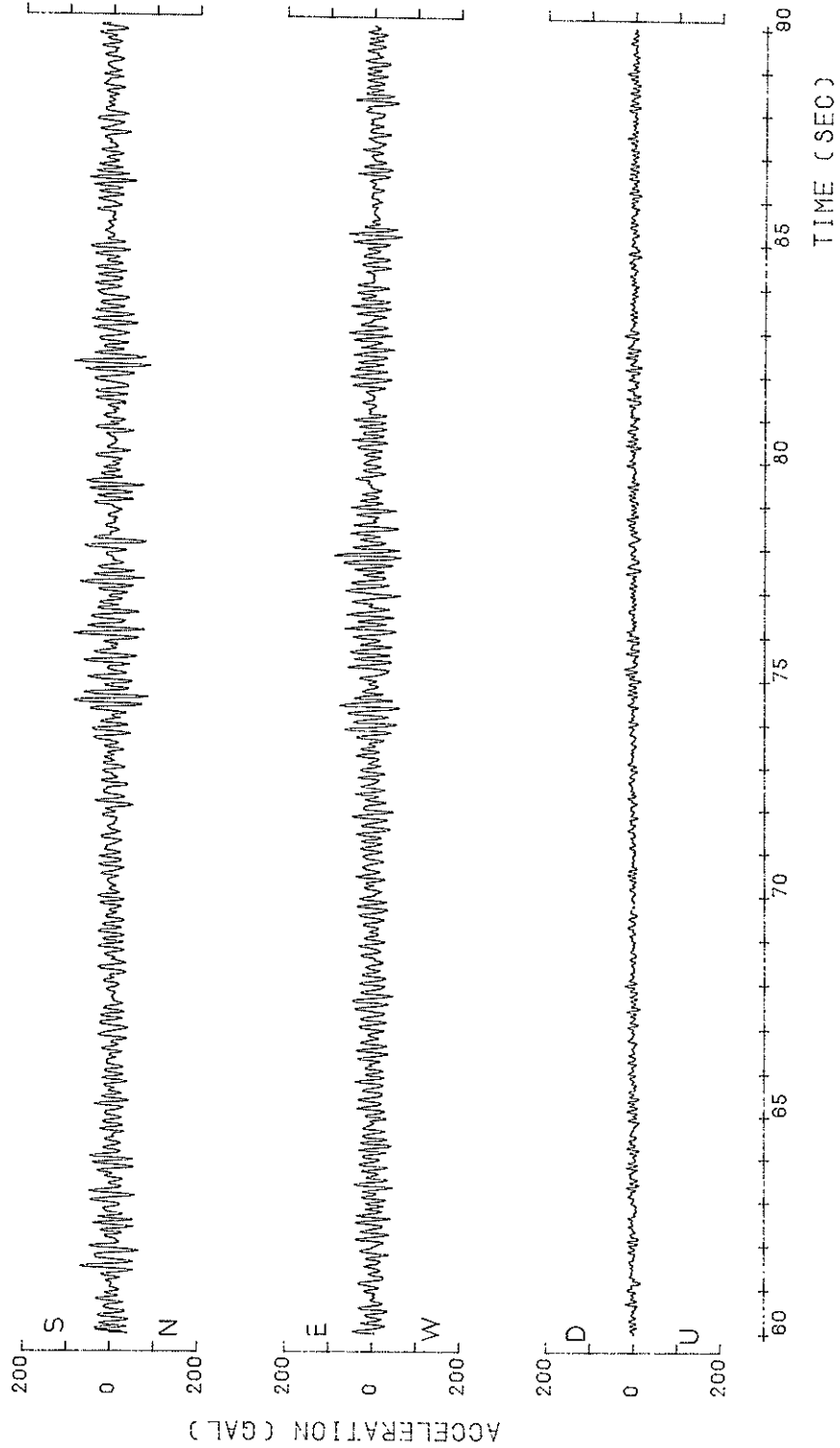
S-236



1968-05-16-09-49

MIYAKO-S

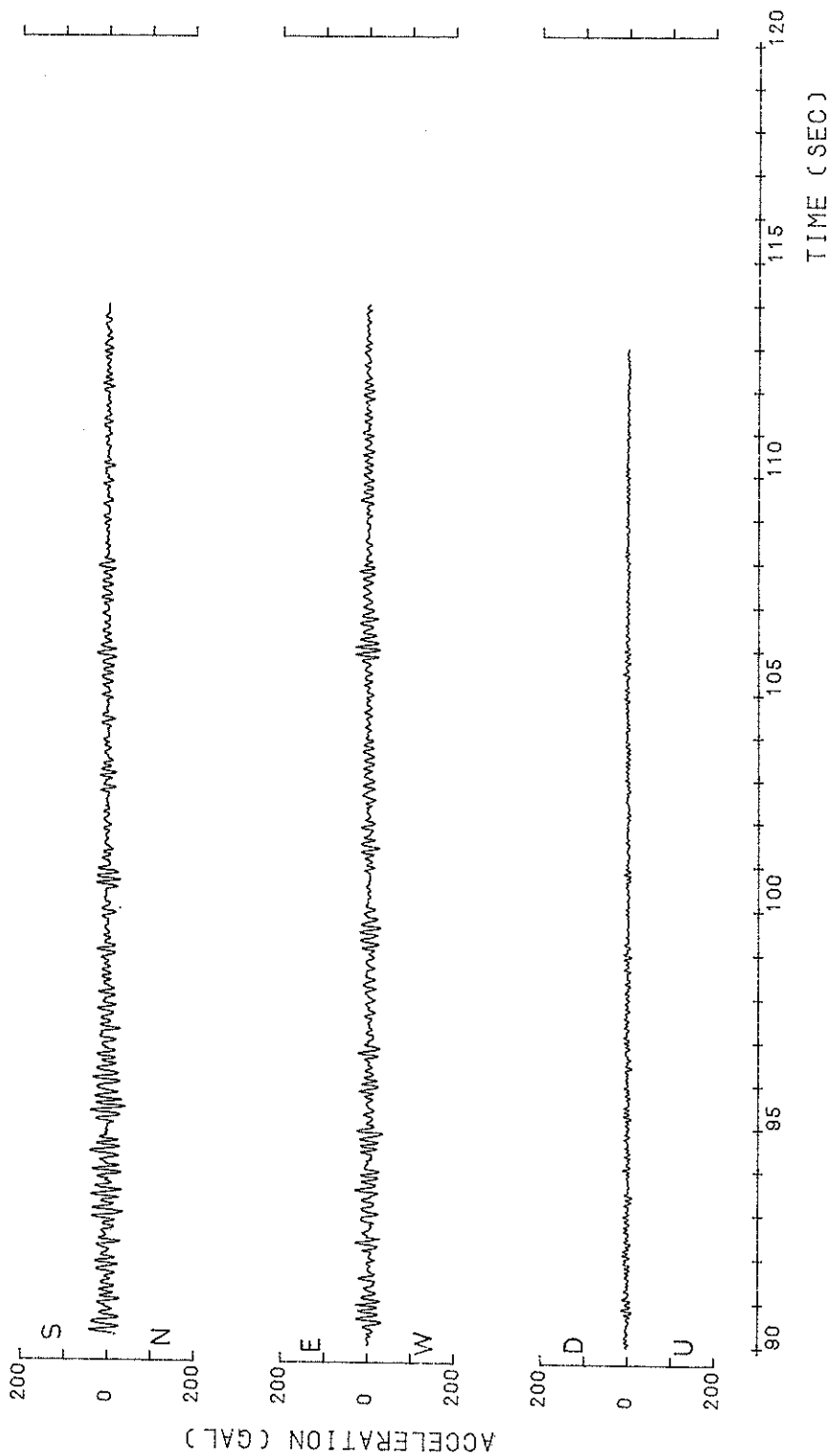
S-236



1968-05-16-09-49

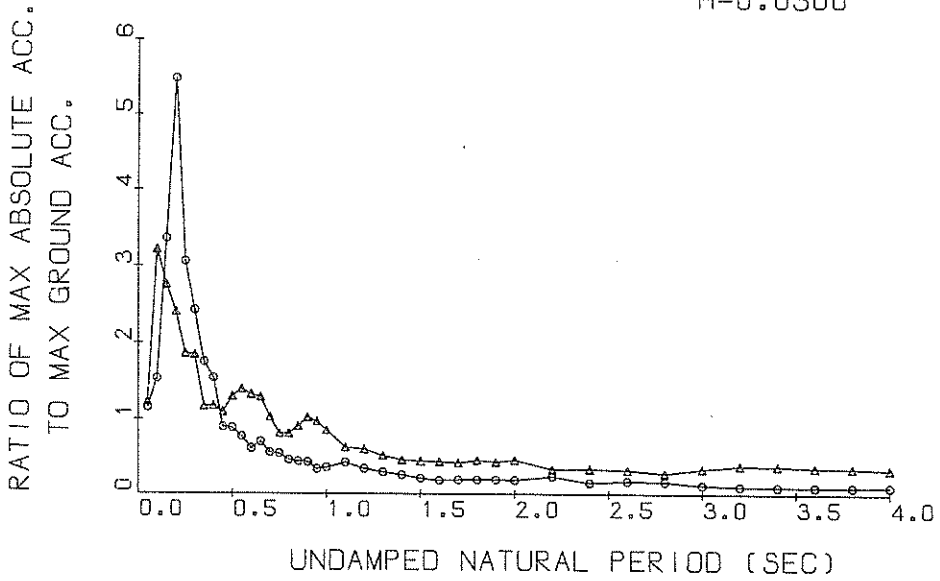
MIYAKO-S

S-236



S-236 MIYAKO-S
1968.05.16.09.49

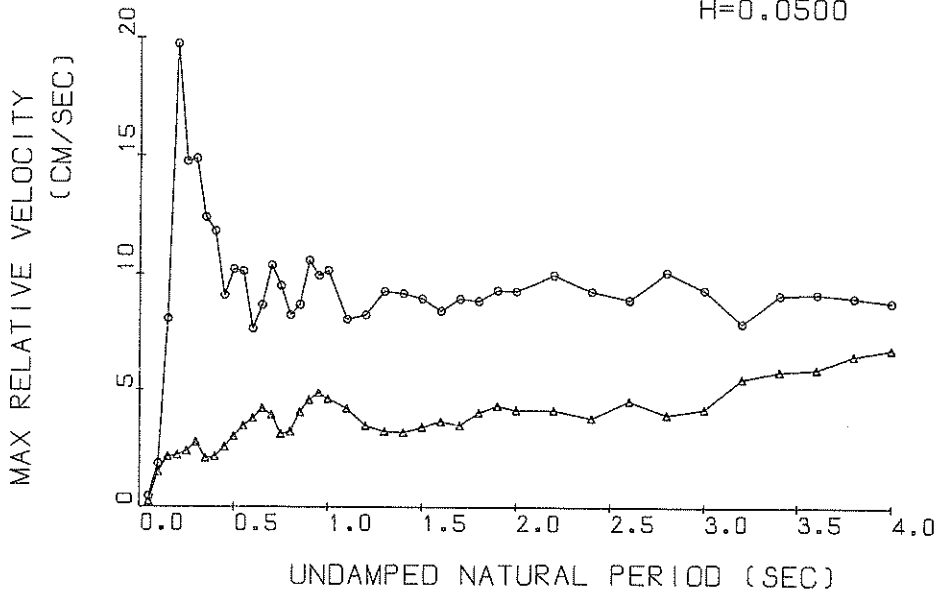
○ N-S
△ U-D
H=0.0500



Response Spectra

S-236 MIYAKO-S
1968.05.16.09.49

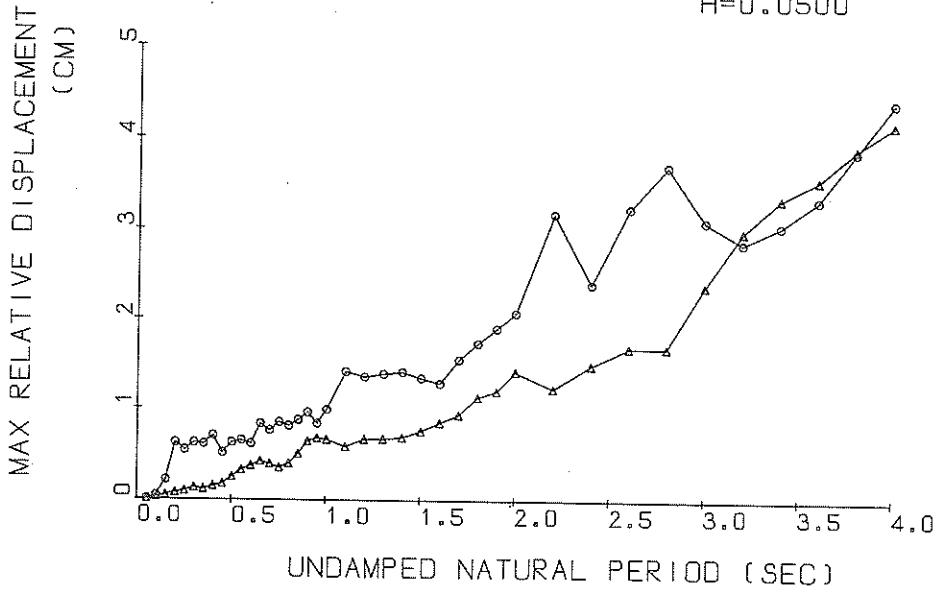
○ N-S
△ U-D
H=0.0500



Response Spectra

S-236 MIYAKO-S
 1968.05:16.09.49

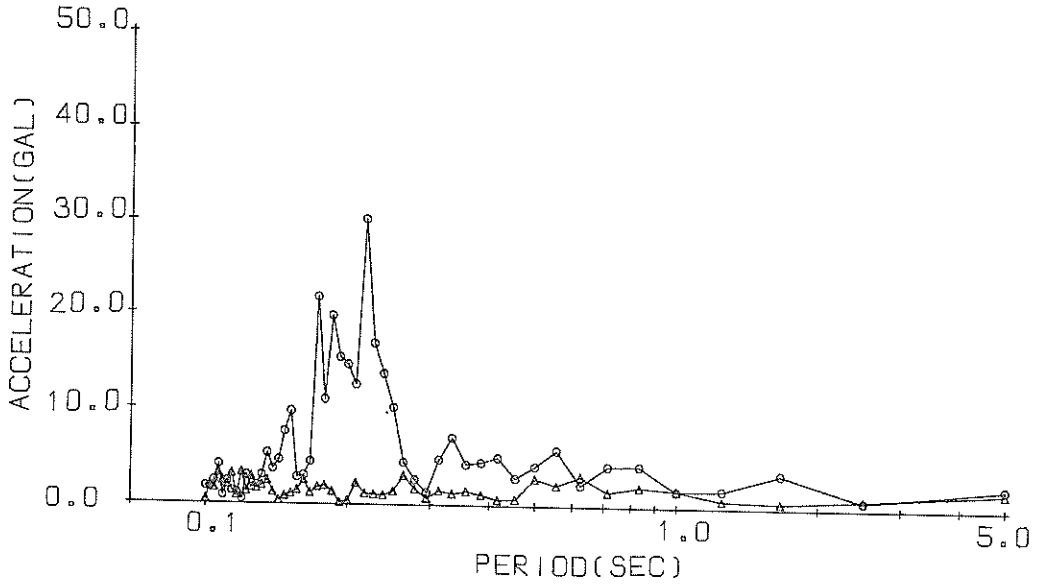
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-236

○ N-S TSK=10.00 TUS=5.00
 ▲ U-D TSK=10.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-236 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = MIYAKO-S
 DATE AND TIME = 1968-05-16-09-49 SAMPLING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 30.67 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	254.4	1.97	0.016	43.5	0.28	0.003	37.8	0.23	0.002	36.6	0.18	0.002	33.8	0.15	0.002					
0.10	712.1	11.08	0.180	127.2	1.98	0.032	98.7	1.46	0.025	74.4	1.03	0.019	48.1	0.55	0.011					
0.15	485.5	11.48	0.277	116.0	2.88	0.065	84.6	2.13	0.047	60.7	1.46	0.033	43.5	0.87	0.022					
0.20	334.9	10.82	0.339	91.3	2.98	0.092	73.8	2.19	0.074	54.3	1.52	0.054	33.4	0.97	0.031					
0.25	479.5	19.12	0.759	75.1	3.05	0.119	57.2	2.37	0.090	46.9	1.86	0.073	31.9	1.12	0.044					
0.30	201.0	9.19	0.458	74.5	3.61	0.170	56.8	2.76	0.128	40.8	2.11	0.091	26.2	1.39	0.054					
0.35	192.0	10.80	0.596	47.7	2.52	0.148	35.9	2.07	0.111	29.3	1.89	0.089	24.6	1.42	0.068					
0.40	158.1	9.98	0.641	49.6	2.94	0.201	36.0	2.13	0.145	27.1	1.82	0.106	22.5	1.31	0.077					
0.45	101.5	7.25	0.521	38.1	2.80	0.195	33.7	2.54	0.172	28.4	1.99	0.143	21.4	1.54	0.103					
0.50	113.2	9.53	0.717	56.4	4.28	0.357	39.9	3.00	0.251	32.3	2.47	0.202	23.5	1.83	0.138					
0.55	120.0	10.39	0.920	51.0	4.54	0.390	42.8	3.46	0.327	35.1	2.88	0.264	24.6	2.02	0.169					
0.60	95.0	9.33	0.866	48.9	4.50	0.445	40.7	3.78	0.369	34.4	2.96	0.306	24.0	2.09	0.192					
0.65	105.0	11.32	1.124	54.6	5.70	0.583	39.5	4.21	0.421	31.3	3.00	0.328	22.4	2.05	0.207					
0.70	71.0	8.14	0.881	41.3	4.98	0.512	31.6	3.93	0.390	25.8	3.07	0.315	20.3	1.95	0.216					
0.75	130.1	15.58	1.853	33.2	4.15	0.473	24.7	3.11	0.349	20.7	2.78	0.290	18.3	2.02	0.226					
0.80	82.9	10.83	1.344	33.0	3.95	0.533	24.7	3.21	0.398	20.1	2.85	0.321	16.6	2.13	0.238					
0.85	109.9	15.04	2.012	38.0	5.11	0.694	27.8	4.06	0.504	22.2	3.12	0.398	15.2	2.24	0.251					
0.90	63.3	9.25	1.300	38.6	5.74	0.791	31.5	4.56	0.642	23.2	3.56	0.465	14.2	2.33	0.259					
0.95	70.4	10.68	1.609	35.4	5.61	0.807	29.7	4.87	0.676	21.8	3.78	0.488	13.1	2.36	0.260					
1.00	65.6	10.44	1.661	33.1	5.61	0.837	26.1	4.61	0.656	18.9	3.58	0.466	11.9	2.30	0.254					
1.10	43.8	7.68	1.342	23.4	4.96	0.716	19.1	4.21	0.582	14.7	3.26	0.435	10.5	2.10	0.276					
1.20	35.4	6.94	1.290	22.0	4.34	0.802	18.2	3.47	0.661	13.6	2.65	0.487	10.3	2.11	0.327					
1.30	37.4	8.13	1.600	19.5	3.80	0.834	15.7	3.22	0.665	12.6	2.73	0.522	10.1	2.13	0.364					
1.40	32.2	7.06	1.600	16.6	3.76	0.826	13.8	3.17	0.682	11.1	2.63	0.540	9.6	2.17	0.391					
1.50	36.0	8.79	2.052	17.9	4.25	1.020	13.3	3.40	0.755	9.5	2.52	0.530	9.0	2.18	0.417					
1.60	23.2	6.04	1.504	15.9	4.37	1.029	13.2	3.64	0.844	10.4	2.72	0.645	8.4	2.19	0.443					
1.70	16.0	4.14	1.172	14.2	3.88	1.036	12.8	3.49	0.930	10.1	2.65	0.728	7.8	2.21	0.466					
1.80	46.0	12.94	3.775	18.4	4.99	1.506	13.8	4.03	1.123	9.4	2.95	0.742	7.2	2.22	0.486					
1.90	32.5	10.07	2.970	17.1	5.78	1.560	13.1	4.33	1.192	9.7	2.97	0.865	7.0	2.22	0.521					
2.00	29.8	10.02	3.024	17.9	5.51	1.816	14.0	4.15	1.412	9.7	3.01	0.961	6.8	2.20	0.575					
2.20	28.5	10.17	3.499	13.0	5.19	1.592	10.1	4.15	1.224	7.9	3.20	0.939	6.9	2.24	0.706					
2.40	16.7	7.00	2.442	12.4	4.65	1.803	10.3	3.80	1.483	7.6	3.16	1.069	7.1	2.38	0.865					
2.60	23.0	9.01	3.932	12.1	5.50	2.070	9.9	4.54	1.681	7.3	3.52	1.221	7.3	2.65	1.045					
2.80	19.4	8.17	3.846	10.4	4.60	2.064	8.5	3.96	1.679	8.2	3.58	1.592	7.5	2.85	1.235					
3.00	13.9	6.55	3.170	11.3	5.01	2.576	10.5	4.19	2.374	9.3	3.61	2.048	7.6	2.99	1.414					
3.20	27.9	14.44	7.227	14.8	7.94	3.833	11.6	5.50	2.978	9.9	4.22	2.451	7.6	3.06	1.576					
3.40	26.6	14.26	7.784	15.4	8.45	4.508	11.6	5.83	3.545	9.6	4.25	2.725	7.4	3.26	1.695					
3.60	15.4	9.30	5.060	12.1	6.52	3.073	10.9	5.92	3.549	9.0	5.07	2.901	7.0	3.71	1.829					
3.80	14.2	8.80	5.203	11.8	7.27	4.292	10.7	6.50	3.892	9.0	5.64	3.241	6.4	4.09	2.062					
4.00	17.1	10.89	6.942	11.2	7.22	4.529	10.3	6.78	4.158	8.9	6.00	3.515	6.6	4.40	2.257					

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-236 COMPONENT = U-0 STATION = MIYAKO-S
 DATE AND TIME = 1968-05-16-09-49 TOTAL NUMBER OF DATA = 11300
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-3	94	43	-36	-54	-25	14	-5	-16	-3
10	5	0	-17	-24	-17	-9	-6	-13	-16	-3
20	15	17	4	-13	-17	-3	25	6	-24	-53
30	-55	-44	-19	-6	-19	-44	-49	-34	6	29
40	30	9	-6	-16	-16	-7	9	29	44	48
50	47	46	38	38	34	17	-6	-34	-35	34
60	-26	5	11	7	-12	-33	-54	-46	-33	9
70	50	77	66	26	-6	-64	-73	-74	-77	-64
80	-13	45	68	70	47	28	-2	-15	-23	-23
90	-12	28	77	78	49	19	-15	-26	-26	-15
100	-5	18	28	31	38	26	-15	-56	-76	-86
110	-98	-92	-67	-2	8	18	16	7	7	-68
120	18	25	37	46	57	57	20	-24	-65	-58
130	-103	-103	-84	-52	-11	-12	-11	-15	-22	-11
140	-4	7	11	9	-3	-13	-23	-25	-32	-31
150	-33	-35	-37	-35	-34	-32	-25	-21	-22	-23
160	-15	10	27	29	17	17	-13	-31	-45	-45
170	-44	-15	46	50	39	17	-64	-72	-73	-71
180	-22	69	77	68	48	29	19	-20	-20	-20
190	-26	-32	-32	-20	-11	10	9	-3	-13	-23
200	-31	-31	-21	-1	19	20	22	13	0	11
210	-15	-16	-10	8	22	30	19	-6	-23	-12
220	-33	-33	-22	-10	0	3	0	10	12	10
230	8	-13	-20	-23	-16	-14	-3	-13	-20	-36
240	-40	-36	-30	-23	-21	-14	-21	-21	-10	-11
250	-4	-12	-22	-39	-50	-51	-49	-32	-1	30
260	41	32	19	-4	-12	-19	-23	-12	-12	-12
270	-9	-1	19	31	39	8	-31	-52	-63	-41
280	-55	-31	-15	-12	-14	-12	-5	12	20	31
290	31	29	13	-3	-29	-42	40	41	29	21
300	-9	-11	-11	-4	13	30	40	-19	-38	-59
310	10	1	0	10	12	12	9	-19	-38	-49
320	-58	-60	-48	-20	1	5	-8	-34	-49	-22
330	-50	-31	0	30	62	74	80	0	-10	-22
340	-24	-18	0	47	22	60	64	51	14	9
350	-70	-68	-44	-47	-12	-60	41	-18	-31	-51
360	-39	-39	-40	-32	-10	-40	-59	-61	-62	-62
370	-42	-43	-38	-17	-2	-10	-17	-18	-7	2
380	-59	-38	-28	-18	-17	-10	-17	-27	-27	-29
390	15	23	26	21	30	10	-10	-17	2	11
400	-30	-38	-40	-38	-40	-38	32	11	-20	-30
410	-29	-20	-12	6	23	31	11	20	30	-29
420	-19	-19	-1	16	31	43	40	30	13	1
430	-10	-17	-19	-19	-19	-20	31	32	14	-18
440	-49	-59	-59	-48	-27	13	43	50	31	10
450	-10	-21	-41	-48	-58	-58	-58	-58	-28	-58
460	-21	-21	-21	-22	-19	-19	-9	-9	-9	-10
470	-27	-49	-51	-51	-48	-30	-7	12	10	17
480	13	12	13	21	18	-23	-21	1	-17	-17
490	15	40	43	43	44	30	1	-17	-41	-58
500	-60	-62	-53	-49	-29	-7	0	13	11	2

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-70	-80	-81	-72	-41	-2	20	23	-11	-111
1060	143	-161	-162	-133	-50	30	90	99	72	28
1070	-74	-59	-59	-46	-30	80	100	100	112	101
1080	74	39	3	23	-14	20	47	58	29	29
1090	65	-10	-121	-103	-52	-11	19	22	22	23
1100	30	37	40	48	50	57	68	89	99	107
1110	83	27	28	4	-24	-51	-61	-65	-72	-82
1120	-93	-105	-124	-136	-110	-110	-20	-48	-68	-57
1130	-14	-105	-132	-143	-131	-131	148	180	163	75
1140	-72	-105	-134	-163	-160	-125	19	38	70	50
1150	-4	-105	-142	-173	-122	-67	-54	-25	-14	-7
1160	-11	-71	-33	-52	-82	-93	-91	-82	-34	-3
1170	6	-51	6	6	-65	-157	-194	-202	-177	77
1180	-192	-78	-78	-93	-82	-93	-76	9	97	174
1190	196	-8	-71	-83	-82	-93	-61	-42	-23	3
1200	251	196	8	176	160	105	57	39	17	-266
1210	189	141	157	130	142	108	30	-43	-69	-80
1220	200	285	220	17	-132	100	107	8	-96	-185
1230	240	-25	-220	-207	-152	89	-52	0	23	41
1240	49	28	11	-10	-22	-33	-39	-40	-24	-9
1250	72	71	112	130	142	108	30	-43	-69	-80
1260	42	71	112	130	142	108	30	-43	-69	-80
1270	42	71	112	130	142	108	30	-43	-69	-80
1280	-92	-71	-88	-94	-52	73	81	82	60	23
1290	-70	-88	-94	-52	73	81	82	60	23	-40
1300	44	-20	-150	-181	-189	-191	-164	-88	10	42
1310	91	91	72	92	41	34	31	41	50	63
1320	43	13	-38	-78	-89	-93	-88	-82	-72	-59
1330	-48	-44	-79	-89	-158	-158	-161	-167	-182	-19
1340	105	178	249	286	153	-12	-78	-106	-96	-29
1350	125	149	171	190	157	36	-42	-70	-74	-81
1360	-74	-27	-53	-127	-165	171	150	100	-7	-87
1370	-107	-118	-127	-165	-69	54	108	88	44	-21
1380	-75	-95	-104	-106	-69	-34	-19	5	18	15
1390	9	-9	-106	-123	-77	-34	-19	5	18	15
1400	-26	-45	-55	-35	44	54	45	19	-7	-7
1410	-74	-22	-28	-30	34	15	45	57	45	13
1420	142	118	67	76	14	-24	-45	-76	-107	-130
1430	146	143	132	135	14	24	43	24	2	-16
1440	-27	-35	-46	-45	-35	-35	-36	-64	-77	-79
1450	-77	-65	-76	-45	18	33	36	29	9	8
1460	19	33	88	102	114	86	5	54	-66	-77
1470	-63	157	202	265	306	289	237	147	38	16
1480	-75	-105	-117	-115	-104	-65	-50	-46	-39	-35
1490	-44	-45	-54	-60	-63	-64	-66	-55	-34	-14
1500	-45	22	44	50	63	64	107	-169	-193	-193
1510	-193	-165	0	56	63	134	112	66	13	-6
1520	-36	-38	-46	-54	-17	-17	-27	-64	-5	-4
1530	-36	-54	-18	-24	16	-17	-64	-5	-4	-4
1540	-68	-24	-14	-50	-53	-17	-13	-127	-123	-112
1550	-66	54	57	64	73	35	34	34	34	45
1560	57	35	26	-74	-73	-74	-36	34	57	-74
1570	89	65	46	-46	-47	-63	-86	-76	-96	-96
1580	-89	-65	39	116	156	174	182	155	127	109

TO BE CONTINUED

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	88	96	117	137	187	194	194	177	132	-14
1600	-116	-197	-206	-185	-185	-159	137	95	128	123
1610	109	95	85	96	104	123	144	148	149	132
1620	96	34	-15	-67	-85	-89	-86	-78	-29	6
1630	47	46	15	15	-16	-36	-48	-55	-55	-57
1640	-57	-54	-49	-44	-19	-5	16	25	17	17
1650	-3	-18	-3	-18	-34	-47	-19	-6	24	24
1660	27	5	-13	-39	-43	-45	-39	-34	-26	-23
1670	-27	-23	-25	-16	-4	3	3	3	5	-13
1680	-19	-23	-26	-25	-19	-15	3	25	45	64
1690	76	66	48	14	-16	-44	-54	-54	-48	-29
1700	-17	-13	-25	-14	-75	-86	-93	-94	-85	-74
1710	-15	39	86	116	147	169	173	142	64	24
1720	-65	-84	-94	-85	-57	15	39	58	60	34
1730	-13	-56	-74	-75	-85	-77	-66	-85	-44	-35
1740	-25	-24	5	48	-55	-39	-23	-110	-139	-174
1750	-183	-175	-149	-85	-16	2	3	-17	-45	-45
1760	-44	-45	-34	-25	-7	17	68	127	137	146
1770	129	94	55	3	-16	-83	-15	14	71	107
1780	139	94	27	3	-15	-24	-4	27	86	94
1790	78	3	-84	-148	-199	-214	-214	-204	-158	-75
1800	-26	35	49	65	-74	16	-35	-53	-63	-74
1810	-73	-63	-14	97	169	184	159	54	-24	-63
1820	-74	-73	-54	16	68	75	79	49	-5	-64
1830	-116	-156	-184	-187	-173	-129	-17	119	214	259
1840	273	237	129	-24	-76	-132	-136	-134	-105	-72
1850	3	18	27	7	-74	-54	-53	-56	-44	3
1860	26	36	41	25	-7	-43	-64	-66	-73	-44
1870	-46	17	39	116	-47	-79	-79	-116	-128	-131
1880	-92	-14	168	161	207	161	55	-43	-72	-78
1890	-73	-64	-44	-32	-16	-15	-15	-24	-26	-35
1900	-35	-46	-57	-64	-74	-83	-82	-72	-42	29
1910	59	50	-15	-92	-9	-99	-103	-105	-98	-93
1920	-84	-102	-105	-103	-82	-32	-13	-44	-92	-112
1930	-105	-111	-83	-38	66	55	23	-65	-83	-93
1940	-105	-103	-73	-42	2	27	69	91	111	120
1950	117	77	5	-22	-32	-34	-31	-11	-49	-83
1960	99	97	55	-104	-123	-144	-165	-162	-149	-83
1970	-4	-2	8	15	28	59	74	76	38	-12
1980	-53	-73	-83	-85	-82	-76	-53	-13	-4	16
1990	12	19	22	-1	-21	-23	-15	-1	-1	6
2000	12	19	22	-1	-21	-23	-15	-1	-1	6
2010	77	40	14	-24	-24	-41	-32	-41	-32	-41
2020	118	154	198	295	180	99	37	-51	-112	-154
2030	-167	-174	-141	-71	-101	172	217	212	158	-27
2040	-82	-103	-124	-123	-101	-13	-66	91	110	80
2050	-23	-114	-145	-191	-193	-192	-165	2	7	59
2060	98	96	78	26	-12	-52	-45	-66	-62	70
2070	106	111	115	81	-14	-42	-57	-74	-71	-72
2080	-51	-21	-4	2	-87	-112	-114	-112	-34	-34
2090	123	165	215	184	27	-94	-122	-165	-192	-189
2100	-158	-151	97	139	115	-41	-113	-133	-164	-160
2110	-116	-116	51	88	107	91	60	36	5	-21
2120	-103	-133	-151	-151	-138	-42	-40	-51	-62	-62

TO BE CONTINUED

CONTINUED(S-236 U-D)

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-87	-100	-101	-92	-42	-21	42	59	77	67
2140	37	26	13	-30	-30	-21	18	39	40	39
2150	31	28	13	4	4	4	7	7	7	7
2160	32	58	57	50	58	60	62	47	71	71
2170	-103	-72	-42	-121	-36	35	108	183	130	130
2180	111	67	22	-52	-50	-37	-84	-61	-58	-58
2190	116	62	22	-51	-51	-64	-84	-61	-58	-58
2200	8	59	119	116	122	101	73	-30	-35	-32
2210	0	59	119	116	122	101	73	-30	-35	-32
2220	-42	-40	-24	5	17	33	20	78	59	59
2230	-20	-92	-102	-89	-81	42	30	100	100	100
2240	58	50	41	39	44	42	38	39	39	39
2250	-9	29	-40	-70	-112	-141	-142	-131	-93	5
2260	49	58	8	8	-43	-52	-50	-43	-23	31
2270	31	20	20	-1	-20	-50	-43	-43	-10	60
2280	102	135	160	139	143	58	28	0	0	0
2290	18	20	31	39	43	58	28	0	0	0
2300	-89	-54	44	90	131	143	140	-27	-93	-92
2310	-82	-104	-101	-91	-170	103	164	201	202	110
2320	45	39	31	34	35	65	61	71	52	52
2330	41	52	70	80	91	92	83	88	40	39
2340	34	32	33	30	27	-27	-35	-38	-40	-39
2350	-12	17	20	42	53	-51	-58	-60	-73	-73
2360	-17	17	20	42	53	-51	-58	-60	-73	-73
2370	-11	43	-18	-75	-99	-107	-103	-99	-56	52
2380	22	17	9	2	1	1	-18	-22	-20	-20
2390	62	63	56	32	1	-12	-70	-109	-131	-132
2400	122	136	150	119	62	31	45	31	50	50
2410	-129	-96	19	31	45	31	45	31	50	50
2420	-68	-68	-68	-68	-43	20	61	-77	-59	-59
2430	-19	-69	-109	-160	-191	-209	-217	-207	-174	-174
2440	-19	-69	-109	-160	-191	-209	-217	-207	-174	-174
2450	19	63	143	111	-50	-109	-131	-139	-137	-95
2460	71	112	143	164	141	74	122	130	174	61
2470	1	55	81	112	122	130	131	131	174	61
2480	53	6	-19	-30	-32	-30	1	43	62	62
2490	8	-49	-49	-19	-18	-19	-19	-17	-6	0
2500	32	1	-19	-18	-19	-19	-19	-17	-6	0
2510	21	42	52	43	2	-29	-53	-57	-40	-40
2520	7	21	51	52	4	30	10	12	-20	-20
2530	-68	-70	-60	-58	-18	-3	10	21	75	75
2540	95	104	110	114	113	92	89	45	27	4
2550	-7	-10	-8	1	30	52	36	-8	-47	-43
2560	-70	-52	105	187	236	261	261	954	187	187
2570	-111	-158	-161	-123	65	103	110	85	57	57
2580	-79	-108	-131	-128	-88	-8	45	112	142	142
2590	172	160	131	62	-39	-70	-117	-121	-116	-99
2600	-36	63	115	141	135	110	118	-1	-9	0
2610	-8	22	41	41	41	43	42	8	0	19
2620	-40	-39	-40	-39	-40	-38	-30	-22	0	19
2630	32	42	61	72	45	45	45	45	45	45
2640	7	12	53	73	75	53	-11	-78	-99	-107
2650	-86	0	103	135	153	110	62	21	-7	-12
2660	-13	-17	0	42	102	104	105	80	-8	-78

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-236 U-D)

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	-56	-25	11	43	53	44	23	11	1	3
3220	1	13	53	91	101	63	41	-17	-32	-37
3230	-28	-8	53	122	140	121	80	-8	-49	-67
3240	-66	-58	74	83	70	19	-30	-89	-30	-89
3250	-119	-131	-140	-137	-118	-58	-30	-18	-23	-42
3260	-50	-58	-60	-60	-49	-40	1	16	21	21
3270	-58	-112	-129	-133	-139	-128	-81	-13	-13	-22
3280	62	69	72	63	60	62	64	72	41	41
3290	-43	-1	-119	-129	-123	-119	-79	-13	20	40
3300	43	28	0	-12	-24	-31	-28	-11	26	42
3310	61	30	-30	-70	-83	-92	-64	-78	-25	19
3320	49	71	54	29	-1	-39	-45	-52	-42	-20
3330	0	0	-13	-24	-32	-29	-14	4	-14	4
3340	27	16	40	16	-4	-13	-20	-11	-5	5
3350	4	5	4	15	48	70	59	27	-10	-24
3360	-36	-35	-32	-16	9	-1	-21	-43	-63	-94
3370	3370	-101	-106	-103	-100	-88	-52	-9	19	29
3380	32	34	0	-50	-79	-92	-94	-90	-28	60
3390	72	78	53	-8	-71	-101	-112	-118	-99	-28
3400	53	103	144	151	111	41	12	-3	-10	-8
3410	-3	2	10	0	-38	-109	-121	-130	-139	-115
3420	-46	-7	51	75	84	94	83	91	51	0
3430	-47	8	0	64	102	104	91	51	21	-47
3440	-67	-68	-69	-47	-11	4	22	23	11	-16
3450	-31	-36	-35	-18	-11	45	74	94	82	66
3460	33	-5	-60	-84	-24	-16	-4	24	48	54
3470	3	25	-60	-84	-84	-83	-83	-83	-73	-83
3480	-88	-74	6	89	120	128	99	55	35	-45
3490	-76	-93	-85	-24	41	88	89	56	-25	-72
3500	-75	-82	-72	-7	27	47	36	16	-4	-14
3510	-28	-33	-34	-26	-17	-11	18	48	47	16
3520	4	-3	29	68	-1	16	-2	-33	-29	-53
3530	-46	-3	29	68	87	91	81	52	29	-3
3540	-32	-40	-46	-42	-32	-22	-15	-20	-21	-20
3550	-32	40	131	138	117	40	-10	-1	-51	-31
3560	-30	-21	-32	-51	-63	-71	-59	8	71	83
3570	61	20	5	-1	9	26	37	48	39	29
3580	20	10	9	6	-4	-25	-39	-44	-45	-42
3590	-25	-1	20	51	62	80	91	100	50	-30
3600	-75	-91	-100	-93	-71	-2	49	88	101	80
3610	39	0	0	0	8	29	99	129	154	154
3620	147	90	18	-49	-82	-71	-79	-82	-72	-39
3630	28	111	173	191	189	145	37	-1	-19	-51
3640	-61	-65	-63	-43	14	79	121	142	159	149
3650	87	18	0	-11	-19	-11	-1	-33	-63	-63
3660	-83	-101	-104	-103	-94	-3	54	79	94	100
3670	92	69	43	18	-12	-22	-31	-43	-22	-2
3680	47	14	-1	-31	-53	-63	-73	-74	-74	-23
3690	47	80	60	-2	-52	-61	-64	-70	-74	-76
3700	-62	-33	17	43	58	49	16	-1	-10	-15
3710	-26	-13	-32	-32	-36	-30	-2	16	36	48
3720	48	-1	70	58	37	79	52	-71	-81	-81
3730	-62	1	0	99	99	99	52	36	27	18
3740	9	5	-1	-13	-10	-10	-10	-10	-23	-51

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	-7	-31	-45	-48	-47	-51	-55	-77	-37	-15
4300	11	31	41	12	-57	-73	-86	-48	-78	32
4310	64	66	40	2	-71	-78	-78	-75	-56	-11
4320	67	89	103	104	95	87	78	65	35	5
4330	-4	-6	-5	-5	5	44	86	104	116	122
4340	105	75	40	13	14	14	24	41	75	87
4350	86	55	-25	-57	-90	-77	-55	13	64	64
4360	55	2	-95	-137	-167	-176	-164	-94	23	125
4370	178	197	213	201	160	67	-6	-34	-57	-65
4380	-65	-64	-58	-55	-56	-55	-55	-48	-34	33
4390	76	90	106	105	74	-20	34	24	1	-99
4400	-114	-57	3	20	4	24	1	-39	-35	-20
4410	107	134	145	133	45	-39	-48	-15	-44	-18
4420	9	25	20	2	-20	-27	-34	-45	-37	-26
4430	5	33	24	20	-8	-7	-7	5	15	25
4440	21	-17	-77	-107	-124	-125	-119	-102	-26	3
4450	14	2	-6	-6	-19	-27	-24	-4	14	13
4460	9	0	0	3	14	13	14	20	25	30
4470	15	3	5	13	14	20	2	-16	-37	14
4480	-57	-67	-68	-57	2	55	84	77	32	-30
4490	-76	-88	-96	-93	-86	-67	-44	-26	-26	-36
4500	-26	-6	35	44	55	65	63	53	43	41
4510	31	23	21	19	21	23	22	34	41	31
4520	14	-5	-17	-27	-26	-37	-50	-65	-74	-2
4530	-65	-44	0	3	-17	-40	-57	-55	-43	-27
4540	3	42	60	74	74	55	19	-5	-26	-25
4550	-16	0	34	45	31	15	2	-3	-5	5
4560	25	42	44	14	-45	-85	-98	-98	-73	26
4570	79	95	107	105	73	-15	-54	-56	-45	5
4580	57	90	107	105	73	-15	-49	-57	-66	1
4590	-83	-37	-3	46	67	86	86	58	1	-74
4600	-97	-108	-117	-113	-83	26	55	73	24	-14
4610	-33	-46	-14	60	168	197	211	158	44	-48
4620	-94	-128	-149	-152	-131	-63	25	45	59	-73
4630	36	34	36	46	76	76	43	-6	-65	-48
4640	-83	-77	-63	-16	-3	5	10	14	35	46
4650	55	56	45	25	6	-33	-54	-55	-57	-94
4660	-26	4	30	43	45	43	26	10	-15	-53
4670	-66	-76	-66	-78	-55	16	36	46	46	44
4680	42	26	16	4	-8	-25	-24	-15	14	36
4690	85	59	3	-57	-79	-87	-94	74	86	118
4700	85	59	3	-57	-79	-87	-94	74	86	118
4710	138	144	122	64	-43	-43	-57	-52	-34	21
4720	88	107	105	65	-39	-106	-167	-172	-171	-141
4730	-25	-4	56	97	117	129	133	95	4	-15
4740	-22	-24	-13	33	100	129	133	95	22	4
4750	-3	-15	-4	15	-21	16	4	-2	-3	58
4760	-24	-4	15	-21	16	4	-2	-3	58	4
4770	-33	23	14	-8	-2	2	1	5	11	11
4780	16	22	26	33	24	15	-3	-35	-73	-85
4790	-83	46	55	128	173	218	215	164	61	47
4800	36	22	14	13	-28	-55	-62	-62	-53	4
4810	-24	27	36	33	4	-68	-82	-93	-95	-83
4820	-43	25	35	45	57	44	42	32	16	1

TO BE CONTINUED

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	-74	-34	-38	-32	-25	2	35	69	98	110
4840	4840	179	-2	-74	-105	-124	-114	-47	57	112
4850	126	105	65	35	21	15	17	34	20	85
4860	87	44	13	-16	-34	-44	-46	-42	-25	26
4870	67	76	67	56	37	15	2	-13	-35	-52
4880	-54	-33	-53	-33	36	66	91	99	98	78
4890	60	48	44	37	6	-26	-93	-103	-103	-101
4900	-42	44	58	52	35	-12	-52	-42	2	181
4910	213	21	264	227	126	-2	-43	-97	-122	-123
4920	-91	91	102	121	107	60	-22	-63	-77	-95
4930	-101	102	103	105	105	-81	-44	-13	26	26
4940	77	150	158	179	187	165	81	5	-1	-42
4950	-41	-36	22	88	122	131	135	100	35	17
4960	12	6	5	6	12	13	12	13	16	27
4970	58	88	98	98	101	98	92	68	26	-33
4980	-82	-95	-105	-112	-72	24	52	76	68	45
4990	-2	-37	-41	-35	25	78	110	119	105	39
5000	-43	-78	-95	-101	-44	67	123	161	165	127
5010	78	61	61	68	78	89	91	69	24	15
5020	13	6	-3	-11	-16	-23	-32	-32	-27	-15
5030	-11	-12	-11	-22	-34	-55	-74	-75	-81	-63
5040	-21	44	48	46	16	44	-53	-72	-91	-63
5050	7	60	89	103	109	86	68	48	39	28
5060	17	9	-2	-21	-21	68	127	132	146	146
5070	126	61	19	-54	-37	-85	-112	-132	-136	-121
5080	-83	-54	-53	-54	-73	-81	-80	-73	-41	-23
5090	-10	-1	6	-1	-1	-2	-1	-5	-16	-50
5100	-60	-64	-75	-81	-84	-81	-72	-64	-55	-20
5110	3	48	48	70	108	119	130	138	148	159
5120	115	28	5	-14	-42	20	-50	-52	-51	-40
5130	-23	-30	-41	-42	-36	-12	53	58	68	59
5140	17	-44	-83	-114	-136	-150	-152	-134	-100	-2
5150	28	28	19	59	47	29	17	16	17	24
5160	28	28	19	59	47	29	17	16	17	24
5170	28	45	59	28	15	7	4	5	6	8
5180	59	59	39	15	4	-11	-30	-35	-31	-3
5190	-12	-3	6	-3	-50	9	4	-11	-20	-15
5200	-12	35	44	26	-6	-22	-35	-46	-70	-71
5210	-110	-111	-79	-2	89	141	144	48	-20	-60
5220	-94	-126	-131	-123	-61	46	120	172	234	262
5230	261	209	108	151	111	4	52	71	82	-49
5240	39	122	23	151	111	4	52	71	82	-49
5250	-158	-122	-23	62	175	238	271	269	198	68
5260	-73	-13	8	19	20	0	-22	-29	-29	-23
5270	-13	-12	-1	19	9	8	8	18	29	29
5280	-11	8	19	19	9	8	8	18	29	29
5290	38	25	16	-1	-11	-11	-93	-19	48	80
5300	9	69	38	7	6	21	18	28	38	29
5310	93	69	38	7	6	21	18	28	38	29
5320	20	7	5	-23	-42	-50	-53	-62	-60	-60
5330	-1	9	-5	-81	-105	-124	-119	-74	-3	10
5340	17	16	-11	-35	-41	-39	-25	-12	0	11
5350	7	16	-11	-35	-41	-39	-25	-12	0	11
5360	-35	-59	-73	-72	-69	-59	-60	-60	-60	-60

TO BE CONTINUED

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	100	88	96	-10	-49	-57	-58	-59	-48	-13
5380	68	87	96	87	45	0	0	-37	-37	-27
5390	52	97	100	111	95	40	-8	-38	-51	-59
5400	-47	-81	58	81	99	79	39	-20	-64	-89
5410	-89	-91	-92	-90	-61	-29	0	10	22	20
5420	0	-27	-68	-79	-87	-78	-57	7	51	80
5430	100	95	170	-20	-59	-88	-89	-98	-88	20
5440	69	107	123	122	78	32	-10	-27	-39	-42
5450	-41	-31	-89	19	29	9	9	-8	-29	-63
5460	-87	-89	-89	-18	-80	-49	-18	0	12	22
5470	29	38	38	20	0	-20	-37	-47	-38	-33
5480	-27	-23	-29	-57	-79	-89	-88	-48	107	153
5490	204	210	184	99	30	7	0	10	130	30
5500	48	-51	38	18	26	63	125	161	164	130
5510	50	-38	-89	-134	-168	-170	-144	-30	2	52
5520	100	109	112	81	48	39	30	30	27	21
5530	21	20	16	10	2	-9	-8	-6	10	63
5540	82	72	71	52	42	43	50	83	134	140
5550	111	52	-62	-72	-121	-137	-114	-47	-47	-16
5560	2	58	-74	-89	31	3	-17	-89	-113	-137
5570	-27	-127	-126	137	139	96	-17	-89	-113	-137
5580	-136	-136	-67	26	82	109	122	101	36	-67
5590	-117	-129	-126	-82	-1	83	123	129	115	100
5600	62	41	20	20	20	46	92	112	115	100
5610	58	-19	-74	-101	-112	-120	-106	-39	67	162
5620	191	196	155	28	-31	-39	-42	-2	50	67
5630	58	56	38	10	11	15	15	19	31	49
5640	60	56	38	10	0	4	4	29	68	76
5650	44	57	42	-55	-59	-29	70	109	131	122
5660	88	57	42	-39	36	28	25	18	9	6
5670	-2	-10	-40	-59	-81	-83	-71	0	98	143
5680	209	216	171	18	-50	-91	-123	-135	-132	-89
5690	5	17	48	86	-62	-76	-80	-55	-12	57
5700	85	106	107	86	47	-4	-36	-53	-71	-82
5710	-92	-52	-41	5	44	58	58	25	46	-3
5720	-42	-52	-41	25	33	16	-27	-93	-104	-11
5730	-17	-11	-33	-3	27	42	45	47	43	35
5740	-111	-102	-42	36	25	16	3	4	7	6
5750	42	47	7	5	15	36	45	45	26	7
5760	-38	-53	-72	-34	7	43	66	77	63	27
5770	-15	-53	-72	-76	-76	-52	11	56	75	76
5780	33	5	-8	-96	-96	-81	-23	13	32	33
5790	5800	23	5	-24	-63	-93	-10	-102	-102	-102
5800	5810	-77	5	25	26	15	4	-11	-14	-11
5810	-77	54	5	25	26	15	4	-11	-14	-11
5820	2	54	8	96	87	67	37	16	4	-3
5830	-2	-3	8	43	103	121	128	131	115	94
5840	15	-3	-63	-72	-72	-61	-11	58	77	64
5850	-15	-51	-62	-62	-62	-31	34	-12	-54	-61
5860	105	64	77	54	27	8	-41	-46	-51	-34
5870	-69	-63	-45	-33	-30	-36	-4	-34	-4	-59
5880	19	99	160	210	219	203	125	37	8	-41
5890	-61	-71	-71	-55	13	75	86	89	89	38
5900	25	-6	-22	-51	-52	-54	-53	-31	17	55

TO BE CONTINUED

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5910	5920	68	77	79	89	96	103	99	99	95
5920	78	55	47	39	37	-40	-112	-132	-132	-130
5930	-122	99	89	-5	37	68	110	99	120	107
5940	122	89	99	-74	64	49	26	44	-4	-31
5950	-59	-73	-82	83	-79	-61	-31	18	58	94
5960	119	133	121	83	-29	-51	-51	-51	-43	-43
5970	5	44	44	47	34	6	-21	-25	-29	-19
5980	7	46	55	40	-6	-41	-90	-100	-109	-109
5990	-112	-91	-40	-5	7	14	6	6	-1	-1
6000	-2	0	0	-5	-7	-3	14	38	66	76
6010	69	53	39	-12	-45	-74	-81	-74	0	54
6020	69	73	39	-35	-51	-54	-52	-32	19	59
6030	77	87	78	35	8	-30	-41	-46	-50	54
6040	-35	0	28	35	37	35	29	18	8	-2
6050	-42	9	18	13	-80	-32	-46	-51	-50	-40
6060	7	9	18	13	-80	100	124	187	159	159
6070	103	-61	-92	-53	-72	-71	3	3	35	44
6080	48	33	9	-1	-51	-41	15	89	122	139
6090	46	25	17	-45	-51	-41	15	89	122	139
6100	136	126	126	57	-34	-161	-164	-160	-100	-33
6110	46	12	12	-5	-34	-42	-33	12	55	84
6120	86	77	56	45	43	42	37	37	37	35
6130	86	77	56	45	45	42	37	37	37	35
6140	33	27	26	28	26	25	22	16	16	33
6150	47	55	55	55	38	16	3	12	32	62
6160	74	77	77	83	85	87	73	47	15	-2
6170	-7	1	1	12	12	15	-21	-27	-31	-31
6180	-31	-31	-32	-5	-5	-5	94	116	67	36
6190	4	-13	-22	-24	-21	-14	-7	33	34	99
6200	92	77	76	36	-41	-91	-102	-105	-56	-4
6210	129	125	76	36	-33	-94	-114	-106	-89	-4
6220	22	35	44	46	56	57	62	55	37	15
6230	-24	-42	-42	-37	-31	-1	8	13	13	6
6240	9	27	58	42	37	105	99	57	27	8
6250	16	24	37	48	47	48	45	37	27	13
6260	16	18	16	18	120	118	95	37	-12	-33
6270	-43	-42	-44	-11	-5	-14	-32	-40	-7	-71
6280	-71	-73	-73	-44	-42	-40	-51	-51	-64	-61
6290	-53	-53	-50	-41	-20	3	25	43	47	44
6300	36	18	18	1	5	10	7	-1	-3	-5
6310	-9	17	58	100	110	103	87	58	36	35
6320	39	50	50	50	45	6	-30	-42	-45	-41
6330	8	88	121	143	149	103	-2	-80	-11	-122
6340	-128	-80	-17	50	68	76	44	-14	-44	-74
6350	-81	-85	-88	-69	-68	49	69	69	65	58
6360	57	49	49	5	-59	-79	-88	-88	49	58
6370	0	149	86	2	-5	-69	88	69	25	106
6380	130	149	106	50	10	-79	-93	-80	-42	25
6390	90	130	106	20	9	-49	-70	-70	-44	-40
6400	-58	-21	-18	-53	9	-34	-49	-49	-44	-40
6410	-59	-70	-70	-53	20	66	80	67	0	-80
6420	-113	-124	-116	-58	1	80	143	140	70	90
6430	11	-19	-29	-38	-41	-29	5	47	78	70
6440	46	36	37	56	87	100	84	21	-19	-28

TO BE CONTINUED

CONTINUED(S-236 U-D)

CONTINUED(S-236 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6450	-38	-48	-57	-57	-57	-58	-9	60	71	80
6460	69	50	41	38	39	40	41	37	20	11
6470	2	0	-7	-13	-17	-20	-23	-39	-48	-48
6480	-58	-68	-72	-88	-97	-111	-129	-116	-67	-71
6490	12	81	100	111	99	61	19	-43	-61	-70
6500	-60	-31	-33	71	-10	-51	-73	-79	-80	-53
6510	6	71	109	141	134	115	62	19	-37	-70
6520	-88	-98	-88	-59	28	59	79	80	49	9
6530	-17	-21	0	83	111	121	96	40	-38	8
6540	-87	-100	-108	-117	-99	-26	51	61	88	61
6550	31	11	-29	-37	-46	-47	-38	-17	-8	-6
6560	72	12	-2	0	22	0	22	68	99	100
6570	-26	-1	-6	-10	-2	0	10	27	31	32
6580	20	1	-6	-10	-2	0	10	27	31	32
6590	78	89	82	59	-8	19	-30	-38	-28	51
6600	97	109	110	92	71	32	20	12	10	10
6610	6	10	20	29	36	38	30	32	12	-17
6620	-48	-57	-58	-50	2	92	99	122	111	89
6630	39	71	-8	-19	-30	-39	-41	-28	0	0
6640	30	68	91	101	84	48	26	0	-21	-8
6650	-9	-4	-3	1	5	8	21	31	38	19
6660	7	-10	-18	-21	-21	-18	-19	-40	-59	-71
6670	-70	-69	-30	48	97	121	130	107	96	84
6680	66	49	36	30	24	20	16	7	-1	-11
6690	-15	-22	-12	10	30	37	34	19	8	0
6700	-1	0	24	70	100	127	119	84	17	-50
6710	-90	-100	-99	-75	8	56	67	76	63	36
6720	16	-1	-5	-13	-24	-30	-30	-31	-10	38
6730	57	65	37	-4	-46	-53	-50	-14	66	132
6740	150	148	100	-2	-62	-123	-132	-136	-129	-71
6750	7	36	47	34	5	14	-27	-34	-41	-43
6760	-43	-16	26	52	64	57	16	-43	-73	-72
6770	-73	-34	38	66	76	64	16	-2	-23	-33
6780	-61	-77	-82	-82	-72	-14	49	64	76	76
6790	36	-11	-23	-23	-16	27	120	164	197	185
6800	128	26	-20	-20	-50	29	25	67	58	35
6810	98	105	86	56	7	28	53	23	17	7
6820	9	3	-2	-10	-13	-13	-11	-9	-11	-2
6830	-3	-10	-10	-10	-10	-10	-10	-10	-10	-10
6840	-2	32	40	-39	-30	35	70	77	79	76
6850	-20	-36	8	-22	-44	-49	-52	-60	-51	-41
6860	57	36	8	-22	-44	-49	-52	-60	-51	-41
6870	-29	-10	14	46	64	67	68	55	28	19
6880	9	7	7	17	19	11	-9	-10	-11	-10
6890	0	11	19	0	-10	-19	-24	-28	-10	19
6900	40	47	39	28	26	19	27	39	61	69
6910	79	79	67	30	-2	-23	-39	-38	-28	-9
6920	15	28	27	15	8	0	11	50	110	122
6930	121	315	28	91	30	0	-10	-20	-23	-28
6940	-27	-28	-18	-18	-7	32	60	78	90	99
6950	106	92	70	32	-20	-48	-67	-71	-72	-60
6960	-37	51	50	58	66	68	68	66	58	51
6970	52	50	50	41	29	9	-10	-16	-9	-9
6980	10	69	71	52	32	9	-1	-7	-6	0

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-236 U-D)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
7530	122	67	35	-2	-13	-32	-39	-53	-62	-70	
7540	-72	-69	-65	-21	-19	-20	17	17	9	-9	
7550	-31	-30	-25	-21	-19	-23	-49	-83	-92	-88	
7560	-19	97	145	177	168	114	17	-41	-94	-111	
7570	-121	-108	-99	28	67	78	76	57	46	36	
7580	35	36	34	38	26	-12	-64	-102	-110	-115	
7590	-110	-84	34	120	152	140	87	-3	-80	-100	
7600	57	106	150	166	141	87	8	0	53	48	
7610	5	18	23	23	7	-16	-40	-41	-30	0	
7620	17	26	27	15	-13	-42	-42	-31	5	29	
7630	48	59	56	38	1	3	-4	-4	2	17	
7640	25	18	7	2	8	53	106	116	123	129	
7650	108	97	56	6	-11	-24	-33	-32	-27	8	
7660	42	46	36	3	-31	-41	-52	-45	-3	25	
7670	36	36	28	15	4	-7	-22	-23	-23	-2	
7680	46	73	81	54	7	-6	-14	-11	6	32	
7690	54	56	54	25	6	-23	-27	-28	-22	13	
7700	54	56	106	91	11	-32	-44	-53	-52	-43	
7710	14	37	54	63	65	44	12	-8	-25	-32	
7720	-33	-15	12	25	35	34	15	-22	-37	-38	
7730	33	14	129	158	175	169	140	14	-35	-94	
7740	-33	14	129	158	175	169	140	14	-35	-94	
7750	-135	-148	-154	-162	-83	-26	20	72	106	130	
7760	144	124	100	76	63	43	15	-17	-54	-85	
7770	-183	-103	-106	-106	-102	-87	-53	-4	23	51	
7780	53	35	6	-5	-17	-19	-14	25	63	76	
7790	82	73	60	53	43	36	21	1	-15	-24	
7800	-29	-34	-25	-13	-5	0	6	32	74	112	
7810	125	124	114	104	73	55	33	6	-28	-68	
7820	-87	-109	-126	-133	-133	-119	-86	-55	-34	-27	
7830	-16	20	36	56	65	64	55	24	-23	-64	
7840	-66	-54	-23	34	90	95	84	56	16	4	
7850	1	3	43	84	105	113	114	93	56	32	
7860	5	-13	-17	-19	-17	0	44	106	137	168	
7870	176	141	53	-37	-64	-85	-85	-65	1	44	
7880	62	66	44	26	-3	-33	-38	-33	-6	-6	
7890	26	54	54	36	5	-36	-44	-46	-35	-16	
7900	32	54	62	40	12	-79	-86	-88	-85	-53	
7910	13	46	63	74	84	103	109	85	44	-14	
7920	-15	-14	6	73	114	114	82	12	-9	-23	
7930	-25	-24	-3	36	64	74	54	14	-67	-74	
7940	-74	-19	56	112	134	145	111	25	-19	-47	
7950	-86	-98	-105	-84	-18	30	46	55	47	33	
7960	4	-7	-9	-8	19	31	33	13	5	5	
7970	4	1	4	3	11	4	-26	-34	-34	-33	
7980	-23	-16	-16	-13	2	-5	2	4	4	3	
7990	24	76	146	167	169	141	54	14	-2	-25	
8000	-44	-18	15	74	97	103	82	53	36	46	
8010	36	36	25	4	-2	23	46	46	46	46	
8020	15	-5	-15	-25	-23	-2	25	68	130	93	
8030	74	22	-65	-104	-132	-153	-138	-74	86	170	
8040	194	150	37	-3	-21	-37	-42	-33	6	115	
8050	132	138	104	4	-44	-62	-71	-62	4	23	
8060	39	57	57	49	27	-16	-16	-20	-4	-4	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-236 U-D)

CONTINUED(S-236 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8610	-2	-60	-86	-114	-133	-131	-103	-63	59	109
8620	138	141	117	47	-14	-41	-56	-32	44	32
8630	44	67	87	37	67	33	-5	-22	26	-22
8640	5	28	36	37	8	-30	-52	-62	16	-56
8650	-12	82	128	150	148	116	37	-21	85	-61
8660	-22	-13	47	100	118	96	117	-34	-23	-62
8670	-62	-40	-2	29	-63	110	118	109	68	68
8680	4	-26	-52	-63	84	5	83	97	57	57
8690	19	-1	-2	0	7	28	47	66	59	53
8700	24	-21	-41	-52	-50	-31	37	66	59	53
8710	15	-30	-52	-62	-60	-51	-20	48	77	98
8720	96	79	18	4	-2	9	19	18	4	4
8730	-6	-13	-11	10	65	100	118	106	80	-1
8740	-33	-35	-41	-7	66	138	179	185	126	39
8750	17	-1	-11	-4	8	47	44	81	48	0
8760	-32	-34	-4	-21	18	44	48	48	29	16
8770	8	-6	9	-12	36	63	68	52	18	-11
8780	-27	-34	-32	-12	29	58	42	18	-11	-11
8790	16	7	7	-3	-12	-14	-14	32	25	24
8800	-18	157	124	35	-16	-67	-91	-93	-35	-72
8810	152	177	126	138	126	78	-4	-31	-35	-44
8820	27	77	81	96	102	99	80	67	55	44
8830	-23	27	81	-37	-63	-81	-11	-73	-1	90
8840	36	119	119	47	5	-11	-34	-52	-54	-58
8850	-54	1	47	65	64	44	44	-12	75	-92
8860	-23	-5	-41	96	57	45	14	-23	-35	-23
8870	-93	-2	61	62	107	109	94	63	17	-12
8880	-25	-12	-45	-55	-52	-17	31	54	57	44
8890	-7	-12	-23	-24	-44	-44	37	64	76	64
8900	44	6	-32	-47	-44	-38	-24	-8	5	13
8910	-3	-16	-23	-54	-59	-54	-25	10	36	-16
8920	44	6	-32	-47	-44	-38	-24	-8	5	13
8930	15	-5	-35	-47	-58	-54	-25	10	36	-16
8940	56	64	70	53	40	16	4	14	5	-4
8950	-6	3	12	15	23	21	14	5	5	-4
8960	-7	-13	-15	-15	23	21	14	5	5	-4
8970	79	50	63	42	-24	-23	116	115	115	115
8980	2	36	43	30	-6	-24	-25	-43	54	-44
8990	30	46	53	56	43	-13	-17	-9	-13	-12
9000	30	46	53	56	43	-13	-17	-9	-13	-12
9010	26	66	77	77	64	43	25	16	13	16
9020	30	56	77	77	64	43	25	16	13	16
9030	10	46	44	43	23	23	34	41	43	43
9040	46	46	44	43	23	23	34	41	43	43
9050	23	13	26	36	-14	-13	14	-7	-4	-4
9060	5	13	26	36	41	35	24	0	-26	-37
9070	-35	-17	30	63	84	85	12	-65	-85	-93
9080	-95	-64	26	76	125	134	115	53	23	23
9090	-37	-49	-53	-36	15	45	56	53	46	34
9100	14	94	55	-48	-46	66	105	118	18	18
9110	124	24	55	-35	21	13	6	0	-33	-14
9120	-24	-26	-15	-15	16	45	76	84	85	61
9130	44	26	13	4	14	26	36	34	26	26
9140	6	-3	-17	-4	6	33	20	5	5	-5

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-236 U-D)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
9690	50	50	29	10	-1	-9	-1	16	50	81	10330
9700	81	58	37	10	-21	-20	25	-1	19	20	10340
9710	81	90	41	70	48	37	25	21	21	20	10350
9720	28	30	41	38	37	21	-8	-8	19	-20	10360
9730	-19	0	41	68	81	61	53	47	28	-9	10370
9740	18	17	25	47	67	49	20	7	6	9	10380
9750	-4	7	40	70	79	84	71	57	46	35	10390
9760	30	31	30	39	57	65	61	61	40	15	10400
9770	-12	-24	-32	8	20	19	49	60	58	41	10410
9780	20	11	7	8	9	22	41	51	24	28	10420
9790	50	37	29	10	0	-11	-18	-20	13	45	10430
9800	29	48	48	51	41	20	0	-8	18	60	10440
9810	-10	21	61	71	68	58	38	21	-14	-8	10450
9820	0	0	9	17	20	11	-10	28	-1	-18	10460
9830	-38	-12	26	55	69	75	48	-28	-1	-41	10470
9840	-30	-30	-34	-28	-10	21	18	28	18	-18	10480
9850	9	9	11	10	20	25	31	30	19	11	10490
9860	0	-24	-32	-39	-29	28	80	89	81	57	10500
9870	40	19	7	9	-11	-10	-1	16	50	50	10510
9880	50	34	20	0	-4	-11	-16	10	10	10	10520
9890	89	78	37	-11	-50	-61	-65	-10	-11	48	10530
9900	74	98	102	89	-31	-30	-29	-30	-20	-2	10540
9910	16	29	36	17	-10	-7	39	20	10	0	10550
9920	37	60	68	80	68	57	39	20	0	0	10560
9930	0	7	10	8	6	0	-5	0	5	28	10570
9940	48	56	49	29	14	6	15	8	18	2	10580
9950	9	4	0	-4	-6	-3	-1	0	0	0	10590
9960	29	25	23	16	0	0	0	0	0	0	10600
9970	-2	-4	-4	7	8	7	9	8	0	0	10610
9980	-1	6	18	18	15	15	0	-1	0	-1	10620
9990	-1	15	36	49	59	43	17	6	0	0	10630
10000	-3	-11	-1	6	6	-4	-4	-4	-2	-9	10640
10010	-13	-11	6	38	53	36	18	8	0	0	10650
10020	14	20	25	17	8	0	0	0	0	0	10660
10030	0	-4	-20	5	-19	-11	-2	10	20	24	10670
10040	27	20	9	5	-2	0	7	7	8	8	10680
10050	17	29	34	40	45	39	37	26	19	14	10690
10060	10	8	19	36	49	38	15	20	-41	-80	10700
10070	-48	-29	2	25	31	11	-19	-39	-40	-40	10710
10080	-24	11	67	80	89	58	31	11	-22	-39	10720
10090	-42	-38	-1	30	38	51	47	28	11	0	10730
10100	1	0	9	17	31	41	41	29	21	0	10740
10110	1	1	10	10	20	19	11	0	0	0	10750
10120	-11	-8	-8	-11	-18	-22	-18	-17	-9	-1	10760
10130	18	22	31	1	30	31	31	26	21	22	10770
10140	11	11	1	1	-1	-8	-9	-19	-19	-19	10780
10150	-19	-12	0	18	21	40	46	50	40	11	10790
10160	19	19	-17	-9	11	32	32	23	20	20	10800
10170	19	19	20	20	23	22	37	33	33	42	10810
10180	32	23	20	7	2	0	5	11	23	25	10820
10190	17	11	9	8	13	19	27	21	13	8	10830
10200	3	4	3	4	11	5	27	19	30	19	10840
10210	-28	-7	12	23	34	24	-1	-18	-38	-39	10850
10220	-41	-37	-17	-6	-6	6	0	-1	-5	-5	10860

TO BE CONTINUED

CONTINUED(S-236 U-D)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10230	-5	-5	-14	-14	-14	-15	-15	-6	-4	0
10240	5	5	-5	-5	-5	-6	-6	24	24	45
10250	49	55	50	54	32	21	15	16	22	23
10260	25	24	25	15	13	6	6	16	21	23
10270	52	56	52	-5	-28	-7	-4	-24	-24	-33
10280	14	22	12	12	12	-3	-24	-14	-4	6
10290	41	32	32	16	32	11	-4	7	6	6
10300	53	63	47	28	32	16	7	8	-5	-13
10310	17	24	28	48	48	47	28	37	18	-11
10320	24	38	45	28	48	47	28	37	18	-11
10330	-13	-13	-1	28	47	48	37	37	18	-11
10340	-24	-22	-1	28	54	59	47	29	9	-31
10350	-56	-56	-31	27	54	59	47	29	9	-31
10360	16	10	-30	-30	9	9	26	40	39	40
10370	8	-20	-30	-30	-32	-20	18	37	40	37
10380	44	47	-30	-30	-32	-20	18	37	40	37
10390	28	50	-30	-30	-32	-20	18	37	40	37
10400	20	19	21	29	29	44	28	20	19	19
10410	18	29	41	51	55	49	35	21	21	0
10420	-28	-28	-20	-14	-3	10	27	31	37	0
10430	11	-9	-18	-12	-3	10	27	31	37	0
10440	10	-1	0	18	5	9	20	27	30	20
10450	21	15	17	18	2	21	20	28	31	28
10460	59	48	41	25	12	0	20	28	31	28
10470	41	52	40	38	21	19	13	22	32	32
10480	57	59	48	28	2	-6	-13	-16	-6	-1
10490	62	79	80	78	51	29	21	20	18	2
10500	40	62	67	56	31	12	9	10	8	0
10510	20	51	69	70	39	37	21	18	9	-9
10520	1	8	17	30	39	42	30	33	29	24
10530	21	29	37	43	41	38	27	32	29	26
10540	-18	-27	-26	-17	-8	-13	43	83	107	-10
10550	32	42	43	49	50	57	40	41	33	22
10560	32	42	43	49	50	57	40	41	33	22
10570	73	57	57	49	47	27	13	11	17	24
10580	73	57	57	49	47	27	13	11	17	24
10590	31	23	17	38	18	-18	-30	-19	-17	54
10600	73	78	67	38	18	-18	-30	-19	-17	54
10610	13	29	32	27	22	13	9	11	17	24
10620	60	63	57	42	33	23	13	13	39	53
10630	-19	-20	-19	-10	-2	9	27	42	52	59
10640	37	32	11	2	1	0	0	0	0	0
10650	36	32	22	12	0	-3	0	0	0	0
10660	68	56	56	72	17	-8	-7	8	8	10
10670	12	17	6	1	-2	0	0	0	0	0
10680	41	40	31	27	0	-8	-8	0	0	0
10690	9	21	20	20	19	11	6	-10	-10	0
10700	0	11	20	27	15	37	25	17	10	-22
10710	0	11	20	27	15	37	25	17	10	-22
10720	-30	-28	-22	0	18	57	63	59	39	17
10730	14	6	10	16	6	6	7	16	18	18
10740	29	30	19	18	6	6	7	16	18	18
10750	4	16	20	14	7	-1	-22	-20	-2	-2
10760	-2	-1	-2	-2	-4	-4	-4	-4	-1	-2

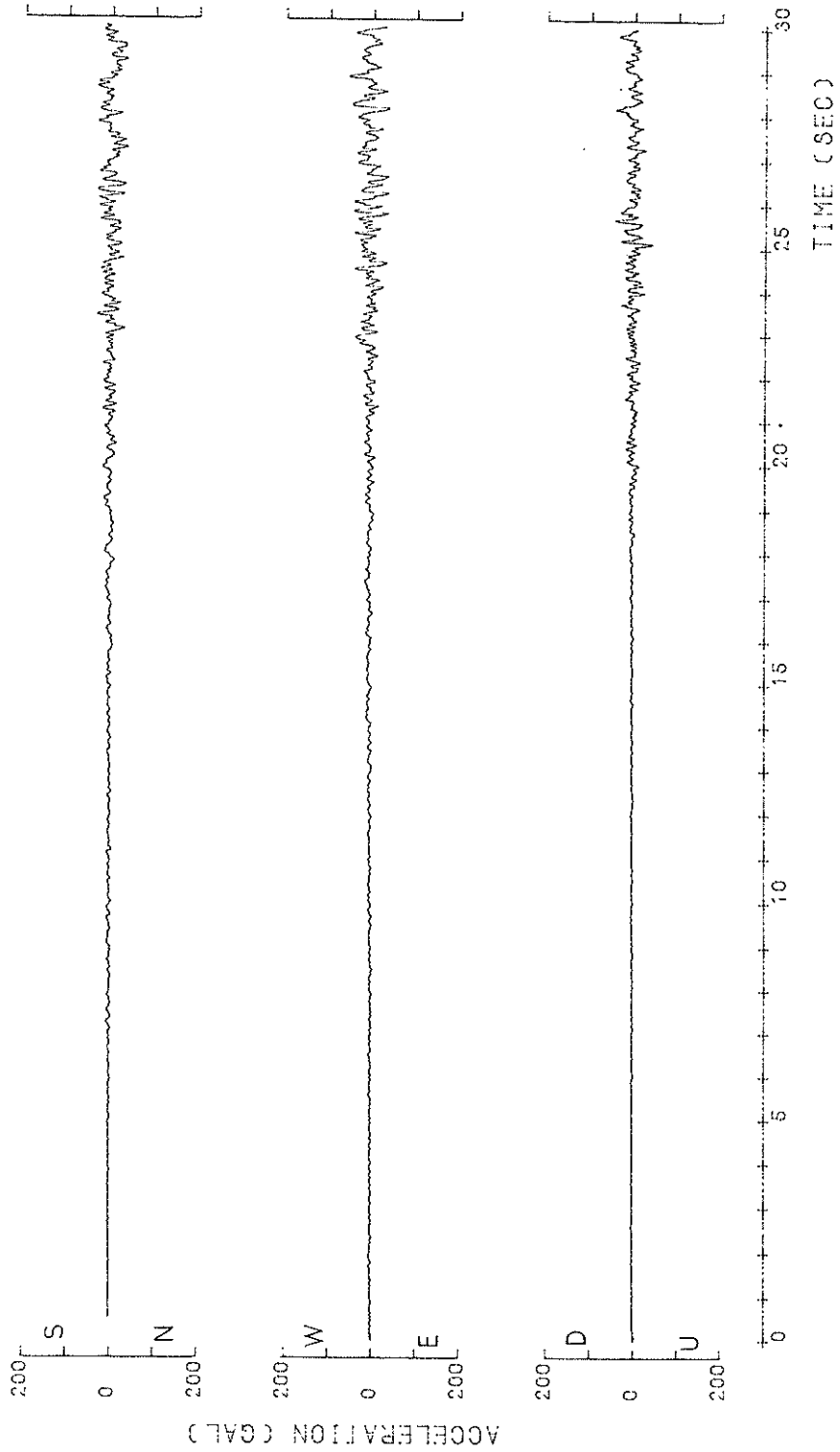
TO BE CONTINUED

CONTINUED(S-236 U-0)

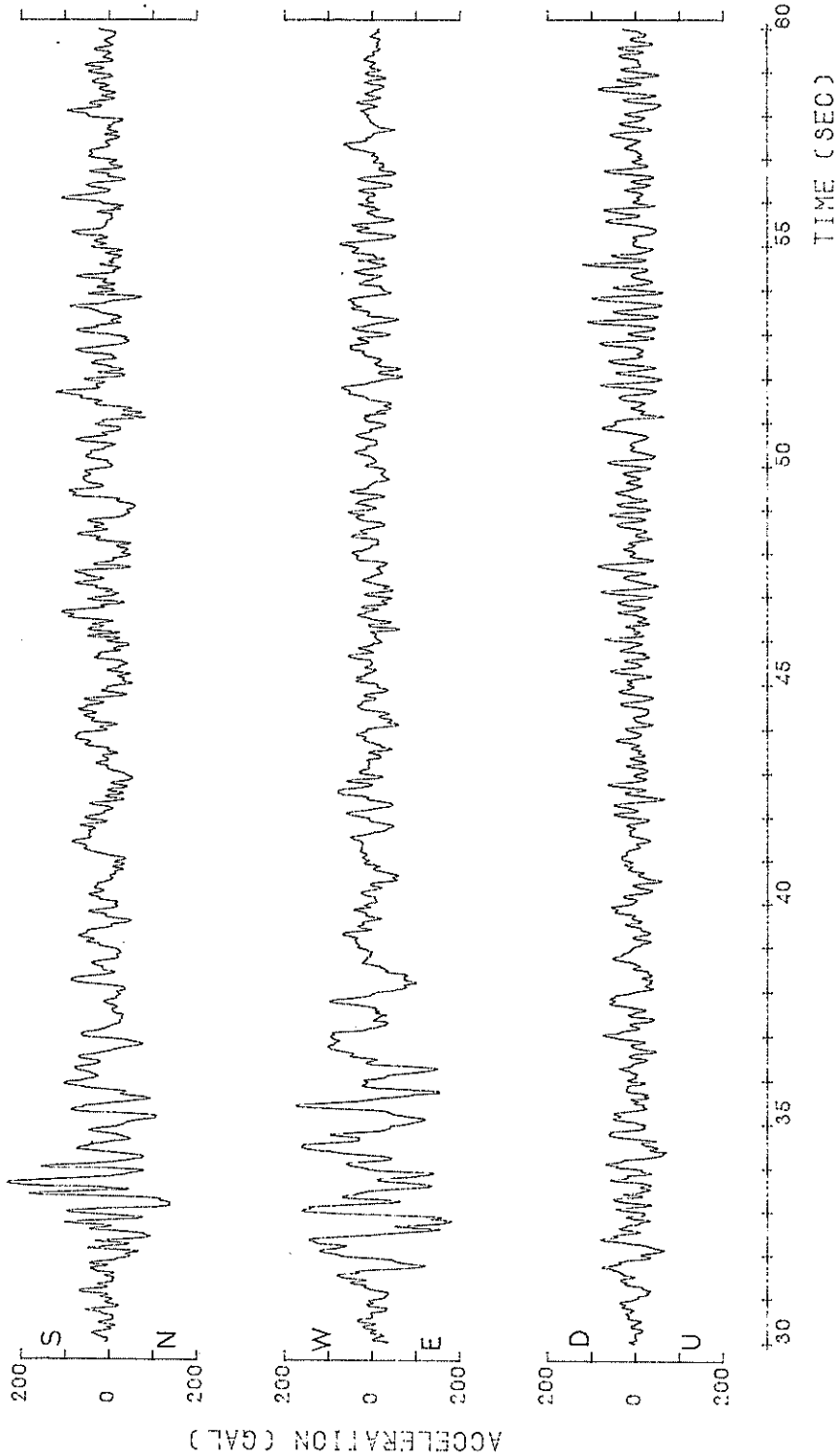
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10770	-11	-12	-22	-22	-12	-4	4	8	15	8
10780	-6	-21	-30	-30	-20	-11	7	28	39	29
10790	18	8	-1	-1	5	8	18	17	8	-1
10800	-22	-33	-32	-31	-20	0	15	25	28	23
10810	19	16	8	9	8	18	35	58	73	60
10820	49	18	5	-21	-22	-19	28	29	47	50
10830	37	30	18	9	0	19	28	39	44	38
10840	30	17	4	0	0	-1	6	9	16	8
10850	7	4	0	0	-1	8	16	20	25	20
10860	16	8	0	0	9	9	18	28	29	40
10870	27	16	0	0	-9	-9	-11	-14	-18	-20
10880	-20	-8	0	0	10	39	55	57	45	21
10890	7	0	0	0	20	29	35	31	20	11
10900	0	7	0	0	30	48	35	27	15	1
10910	0	0	0	0	10	10	10	17	20	22
10920	17	11	12	12	5	8	0	0	-1	1
10930	11	20	18	25	22	12	0	-1	-1	6
10940	20	38	42	35	18	0	-8	-13	-17	-17
10950	-9	0	22	29	42	46	32	10	1	-9
10960	-13	-12	-8	8	29	37	42	29	12	0
10970	-16	-17	-18	8	31	43	43	41	29	12
10980	3	-6	-6	0	0	3	12	13	11	9
10990	13	20	27	32	32	22	0	-17	-19	-16
11000	3	31	53	61	57	42	30	11	2	3
11010	8	22	39	57	43	32	11	2	-6	-7
11020	11	21	32	43	47	45	32	33	30	30
11030	33	32	33	33	22	23	19	21	22	21
11040	30	30	29	26	22	21	22	20	22	21
11050	11	9	12	17	22	21	29	31	32	29
11060	28	21	11	12	12	10	12	20	12	10
11070	1	2	0	7	12	11	11	12	18	11
11080	9	9	11	0	21	31	38	39	42	38
11090	21	2	11	20	21	-29	-23	0	10	21
11100	28	11	2	-7	-11	-8	0	18	26	30
11110	32	26	11	9	8	10	10	20	20	28
11120	22	9	1	-9	-19	-9	0	10	22	31
11130	28	22	12	1	1	1	0	2	12	11
11140	12	8	8	6	10	10	17	19	21	22
11150	19	16	10	2	0	-1	-2	-7	0	-2
11160	9	8	18	20	20	10	9	7	0	-1
11170	-2	0	7	10	17	15	7	0	-3	-1
11180	7	0	9	19	21	19	20	21	17	16
11190	17	17	18	18	21	21	20	17	15	0
11200	9	10	17	18	21	20	11	10	0	-8
11210	-7	-8	-8	-1	7	11	20	17	16	11
11220	11	11	11	11	10	11	6	1	-1	-8
11230	-1	1	1	-7	-10	-17	-19	-20	-19	-8
11240	1	1	1	-7	-8	-19	-20	-19	-18	-17
11250	-7	-9	-9	-7	-9	-8	11	10	8	12
11260	8	-7	-9	-7	-8	-8	1	10	2	2
11270	-20	-7	-7	0	12	23	29	29	29	27
11280	-20	-2	12	12	22	22	32	32	32	32
11290	27	22	12	12	12	13	20	12	0	0

END

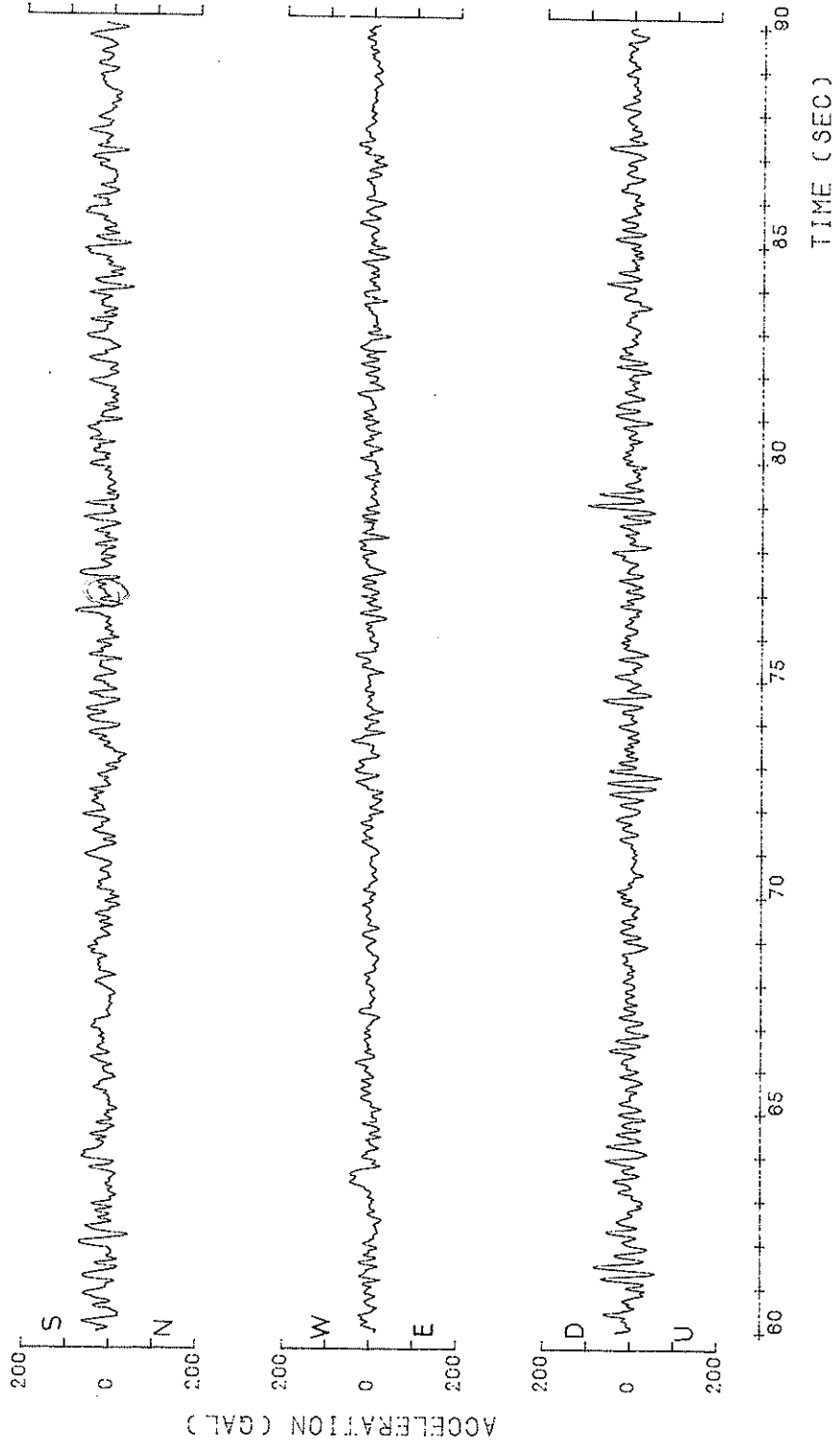
S--252 HACHINOHE--S 1968--05--16-09--49



S-252 HACHINOHE-S 1968-05-16-09-49

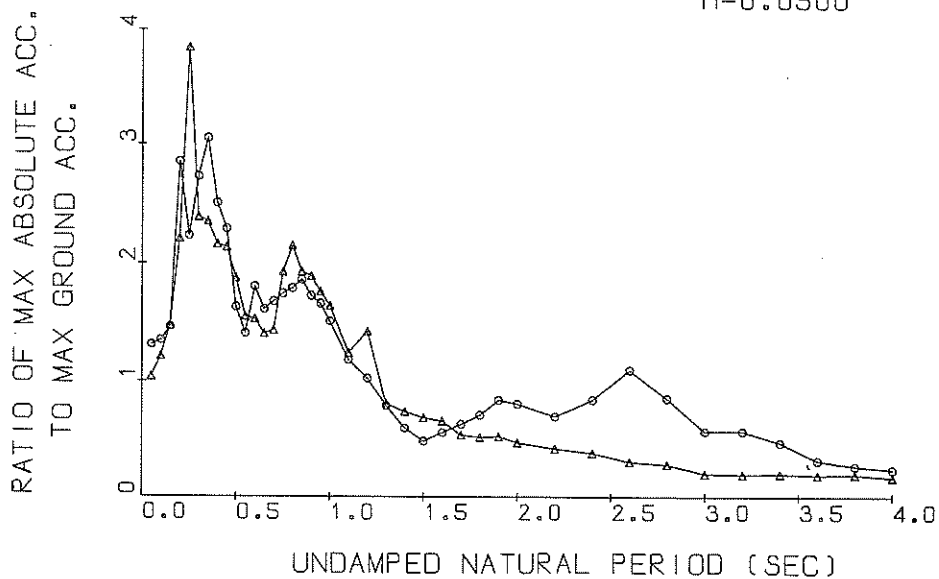


S-252 HACHINOHE-S 1968-05-16-09-49



S-252 HACHINOHE-S
1968. 5.16. 9.49

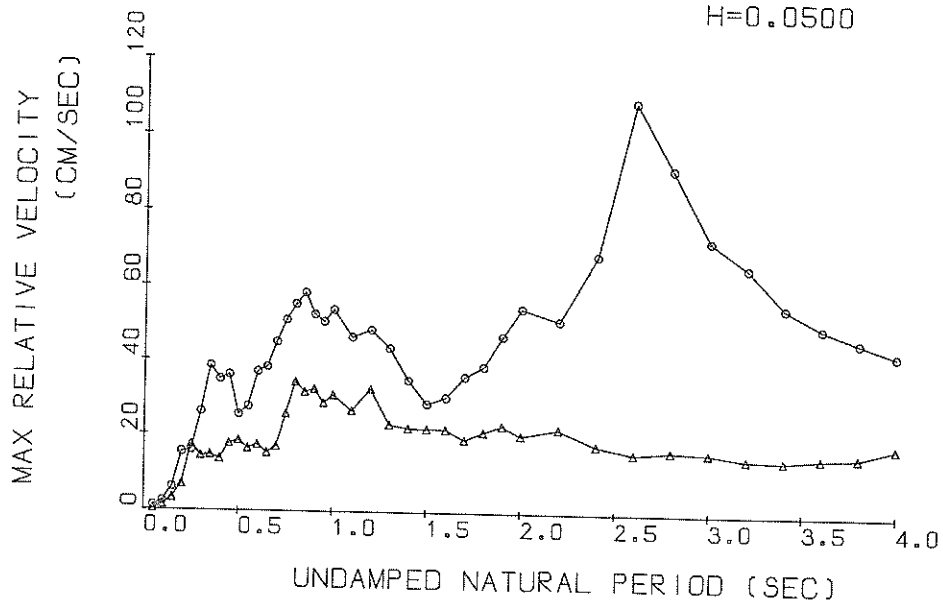
○ N-S
△ U-D
H=0.0500



Response Spectra

S-252 HACHINOHE-S
1968. 5.16. 9.49

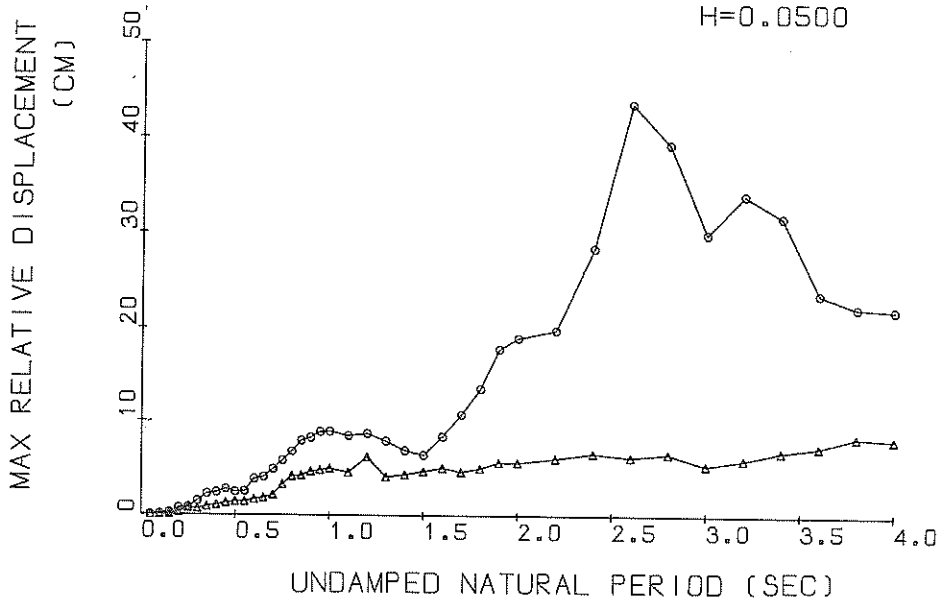
○ N-S
△ U-D
H=0.0500



Response Spectra

S-252 HACHINOHE-S
 1968. 5.16. 9.49

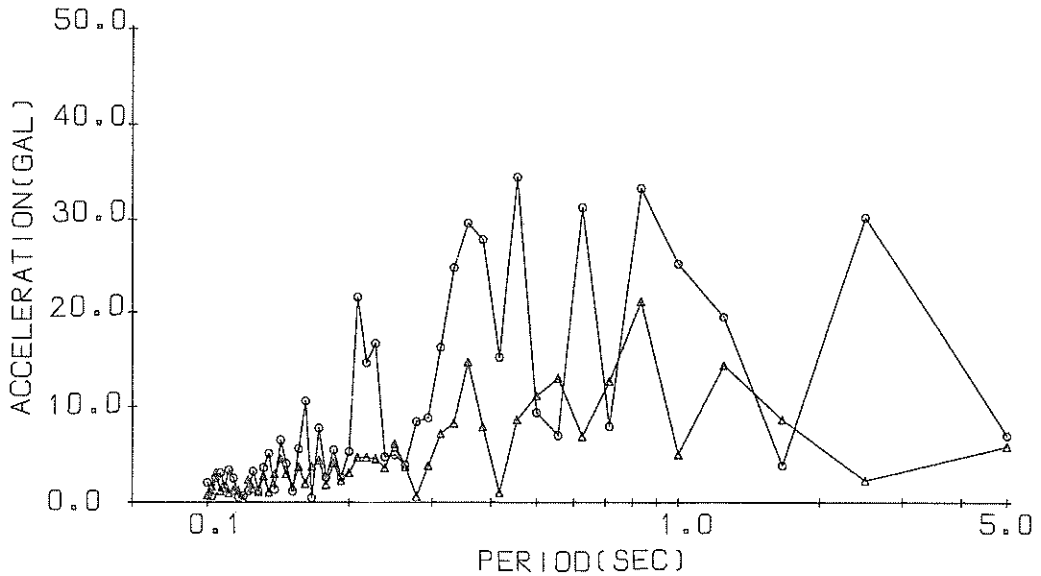
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-252

○ N-S TSK=31.00 TUS=5.00
 △ U-D TSK=31.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-252 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. | STATION = HACHINOHE-S
 DATE AND TIME = 1968-05-16-09-45 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 119.21 (GAL)
 TIME LENGTH = 65.00 (SEC) SKIPPED LENGTH = 20.00 (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	AA
0.05	346.8	2.25	0.022	124.5	0.37	0.008	123.5	0.35	0.008	122.6	0.31	0.008	122.2	0.24	0.008	122.2	0.24	0.008	122.2	0.24
0.10	616.5	9.49	0.156	158.0	1.90	0.040	144.6	1.40	0.037	139.4	1.11	0.035	134.0	0.90	0.033	134.0	0.90	0.033	134.0	0.90
0.15	555.7	12.60	0.317	216.3	4.13	0.123	175.2	3.70	0.099	173.2	2.98	0.099	157.0	2.25	0.086	157.0	2.25	0.086	157.0	2.25
0.20	1097.5	34.55	1.112	327.7	9.11	0.332	263.0	6.78	0.267	201.7	5.50	0.203	145.0	3.74	0.157	145.0	3.74	0.157	145.0	3.74
0.25	4037.4	160.17	6.392	689.9	26.98	1.091	458.0	17.25	0.722	315.0	10.94	0.489	176.8	5.65	0.261	176.8	5.65	0.261	176.8	5.65
0.30	1672.2	80.33	3.812	436.2	20.44	0.993	285.0	14.28	0.647	223.9	11.18	0.499	164.2	6.85	0.337	164.2	6.85	0.337	164.2	6.85
0.35	1533.8	85.30	4.759	412.9	21.69	1.280	280.2	14.58	0.867	194.7	9.41	0.597	133.0	6.83	0.366	133.0	6.83	0.366	133.0	6.83
0.40	779.1	50.38	3.158	305.8	16.37	1.238	204.2	13.46	1.038	204.2	10.49	0.813	131.2	6.80	0.487	131.2	6.80	0.487	131.2	6.80
0.45	665.4	46.11	3.413	341.4	22.37	1.745	254.3	17.59	1.299	188.1	11.87	0.943	124.4	7.42	0.572	124.4	7.42	0.572	124.4	7.42
0.50	846.3	67.03	5.360	264.3	22.01	1.668	223.3	18.35	1.403	164.7	13.20	1.025	117.4	8.40	0.685	117.4	8.40	0.685	117.4	8.40
0.55	617.1	52.28	4.729	261.7	24.83	2.001	185.2	16.32	1.410	157.7	13.38	1.187	118.4	8.64	0.824	118.4	8.64	0.824	118.4	8.64
0.60	815.3	77.57	7.434	243.2	22.37	2.214	182.6	17.33	1.656	151.6	12.66	1.356	116.7	9.39	0.953	116.7	9.39	0.953	116.7	9.39
0.65	474.1	49.52	5.074	188.7	17.34	2.019	167.8	15.25	1.786	151.1	13.46	1.583	113.6	10.46	1.073	113.6	10.46	1.073	113.6	10.46
0.70	417.2	47.12	5.179	181.6	20.45	2.251	171.3	16.88	2.115	152.4	15.31	1.852	109.2	11.42	1.181	109.2	11.42	1.181	109.2	11.42
0.75	614.4	71.49	8.754	322.0	36.20	4.579	229.7	25.64	3.258	161.3	18.07	2.246	102.6	12.23	1.278	102.6	12.23	1.278	102.6	12.23
0.80	992.9	127.07	16.096	353.1	45.63	5.715	255.8	34.24	4.127	163.5	22.46	2.610	95.4	12.84	1.382	95.4	12.84	1.382	95.4	12.84
0.85	641.8	87.12	11.746	305.5	42.31	5.583	229.9	31.48	4.190	153.6	23.27	2.943	95.2	13.33	1.533	95.2	13.33	1.533	95.2	13.33
0.90	677.4	98.08	13.898	318.7	45.77	6.533	225.3	32.27	4.599	151.1	22.84	3.036	92.5	13.34	1.639	92.5	13.34	1.639	92.5	13.34
0.95	404.3	62.79	9.242	246.3	37.50	6.079	209.4	28.59	4.766	140.1	20.80	3.139	87.6	12.91	1.700	87.6	12.91	1.700	87.6	12.91
1.00	872.0	139.48	22.088	274.9	42.42	6.957	195.7	30.73	4.930	130.9	19.65	3.251	81.4	13.15	1.809	81.4	13.15	1.809	81.4	13.15
1.10	278.4	49.57	8.533	189.8	34.95	5.807	148.0	26.61	4.514	118.6	20.26	3.566	73.1	13.69	1.983	73.1	13.69	1.983	73.1	13.69
1.20	571.7	107.89	20.852	247.0	46.68	8.997	170.1	32.43	6.173	108.8	20.86	3.886	66.9	13.72	2.106	66.9	13.72	2.106	66.9	13.72
1.30	271.0	56.43	11.599	119.8	27.56	5.122	96.1	22.99	4.095	76.7	17.42	3.192	60.3	13.43	2.187	60.3	13.43	2.187	60.3	13.43
1.40	224.7	51.76	11.156	116.1	27.76	5.757	87.7	22.05	4.322	59.1	15.40	2.855	54.6	13.09	2.261	54.6	13.09	2.261	54.6	13.09
1.50	199.3	47.19	11.358	104.8	27.58	5.965	81.4	21.94	4.621	55.7	15.40	2.855	50.1	12.80	2.361	50.1	12.80	2.361	50.1	12.80
1.60	320.1	80.41	20.759	112.3	29.81	7.270	77.9	21.78	5.017	54.3	15.70	3.376	46.8	12.55	2.490	46.8	12.55	2.490	46.8	12.55
1.70	142.8	41.60	10.453	79.6	25.76	5.820	63.3	19.15	4.615	48.4	15.20	3.448	44.1	12.29	2.638	44.1	12.29	2.638	44.1	12.29
1.80	131.8	42.50	10.815	75.9	27.97	6.217	61.0	21.09	4.962	43.9	16.86	3.538	41.7	11.97	2.783	41.7	11.97	2.783	41.7	11.97
1.90	247.2	76.70	22.606	81.4	27.73	7.423	61.9	22.87	5.614	45.7	17.28	4.013	39.4	11.58	2.911	39.4	11.58	2.911	39.4	11.58
2.00	177.5	58.53	17.986	84.7	27.24	8.567	55.6	20.33	5.595	43.3	16.26	4.195	37.2	11.58	3.021	37.2	11.58	3.021	37.2	11.58
2.20	107.6	38.14	13.187	61.1	25.57	7.480	49.6	22.10	6.035	38.8	17.13	4.604	33.3	12.13	3.242	33.3	12.13	3.242	33.3	12.13
2.40	99.6	41.13	14.528	55.3	21.83	8.058	45.0	17.78	6.542	35.3	15.17	4.977	30.9	11.91	3.554	30.9	11.91	3.554	30.9	11.91
2.60	49.1	21.58	8.414	42.4	17.75	7.249	36.3	15.68	6.163	28.6	13.24	4.721	29.4	10.27	3.938	29.4	10.27	3.938	29.4	10.27
2.80	70.1	31.33	13.927	38.2	20.17	7.565	33.3	16.42	6.524	28.5	12.93	5.394	27.8	10.59	4.288	27.8	10.59	4.288	27.8	10.59
3.00	37.0	24.38	8.429	27.3	19.05	6.220	23.8	15.99	5.340	24.2	12.82	5.204	26.1	10.72	4.566	26.1	10.72	4.566	26.1	10.72
3.20	33.7	16.04	8.736	26.1	15.15	6.751	22.9	14.51	5.905	21.0	13.18	5.099	24.5	10.87	4.811	24.5	10.87	4.811	24.5	10.87
3.40	30.5	16.87	8.927	26.6	14.35	7.784	23.3	14.21	6.770	19.9	13.27	5.519	23.1	11.03	5.055	23.1	11.03	5.055	23.1	11.03
3.60	48.1	30.41	15.787	25.3	17.38	8.284	22.4	15.04	7.228	19.1	13.24	5.824	21.8	11.17	5.310	21.8	11.17	5.310	21.8	11.17
3.80	33.1	20.55	12.121	27.0	17.11	9.842	22.9	15.27	8.304	17.8	12.99	6.336	20.7	11.81	5.568	20.7	11.81	5.568	20.7	11.81
4.00	30.7	26.13	12.453	23.2	21.13	9.376	20.2	17.90	8.070	16.5	14.10	6.328	19.8	12.55	5.841	19.8	12.55	5.841	19.8	12.55

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD - S-252 COMPONENT - U-D STATION - HACHIMORE-S
 DATE AND TIME - 1968-05-16-09-45 TOTAL NUMBER OF DATA - 9000
 SAMPLING INTERVAL - 0.010 (SEC) UNIT - 0.1 GAL
 SIGNAL - GR.ACC. CORRECTION - ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	0	0	0	0	-3	-11	-23	-28	-15
10	-3	3	4	5	5	8	8	8	4	1
20	2	17	15	10	10	14	17	13	16	20
30	20	20	17	11	11	13	13	18	25	25
40	22	20	17	11	11	15	15	15	14	15
50	11	10	9	12	12	15	15	15	14	14
60	14	15	18	19	25	26	26	25	25	19
70	16	14	14	13	15	18	20	21	24	30
80	30	30	29	24	20	15	14	10	10	10
90	13	18	15	11	12	14	14	15	14	14
100	12	12	12	12	10	6	4	4	9	16
110	21	25	24	21	19	17	13	10	6	4
120	4	6	16	19	25	27	27	27	26	30
130	30	28	26	26	26	26	26	26	26	26
140	26	25	25	24	22	21	21	19	15	15
150	15	18	21	21	22	22	22	22	22	22
160	19	20	19	16	14	12	10	9	11	15
170	18	21	25	26	31	32	32	32	32	30
180	27	24	21	20	21	20	24	28	29	29
190	27	27	25	22	18	16	15	15	12	10
200	10	11	14	19	23	26	27	27	27	27
210	27	24	24	23	21	20	18	18	18	19
220	21	23	22	22	22	22	20	20	22	23
230	25	27	32	34	33	31	30	28	28	27
240	27	26	27	27	27	24	22	25	25	28
250	28	27	29	29	30	32	34	37	38	39
260	38	37	35	33	29	27	25	23	24	21
270	23	24	26	28	30	30	29	27	24	21
280	17	16	15	16	19	22	32	36	36	34
290	33	31	32	34	36	34	32	29	27	26
300	31	32	34	36	34	32	29	27	26	24
310	27	27	25	22	23	26	29	31	29	26
320	26	27	25	22	20	24	26	26	26	25
330	24	19	16	14	15	18	24	29	30	32
340	24	21	18	14	15	18	24	29	30	34
350	34	33	32	33	36	41	41	39	36	34
360	33	30	28	25	22	20	26	29	34	36
370	34	33	32	30	26	26	26	28	27	25
380	37	33	30	29	26	26	26	28	27	25
390	25	25	25	22	23	25	27	29	30	32
400	32	31	32	31	30	30	30	29	28	24
410	20	19	22	26	30	30	29	32	32	26
420	25	24	20	20	20	25	29	32	32	26
430	32	30	31	29	29	30	29	29	27	27
440	27	27	30	31	30	30	30	29	27	27
450	28	32	34	35	34	32	34	35	35	35
460	30	31	31	32	35	34	35	35	35	35
470	35	35	35	35	32	29	24	21	19	19
480	22	23	23	25	25	26	25	25	25	29
490	33	35	35	34	35	34	31	30	25	25
500	33	35	35	34	35	34	33	36	36	35
500	25	25	26	29	33	33	31	33	36	35

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-252 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	19	21	23	25	25	22	27	30	30	31
1060	51	31	32	32	35	37	36	32	29	27
1070	26	23	21	21	22	23	24	26	28	28
1080	30	33	36	42	47	46	43	36	33	33
1090	33	33	36	38	38	37	40	40	39	39
1100	40	39	39	39	38	36	36	31	31	31
1110	30	30	34	36	38	39	39	39	38	38
1120	41	41	41	41	41	41	39	39	38	38
1130	35	34	33	33	35	38	40	41	41	41
1140	34	31	29	28	30	32	31	35	38	42
1150	44	24	41	34	30	27	25	25	29	29
1160	30	32	34	37	40	39	37	36	35	35
1170	34	35	37	39	40	39	38	37	35	34
1180	34	35	32	32	30	32	32	39	39	39
1190	40	39	41	41	41	50	56	61	61	60
1200	53	49	49	49	49	48	44	40	36	36
1210	32	32	32	25	25	25	25	22	14	14
1220	12	12	16	19	19	19	17	14	10	10
1230	9	8	10	11	11	11	9	14	18	18
1240	18	15	14	14	17	18	21	24	25	29
1250	32	33	34	34	38	38	42	44	46	45
1260	45	43	40	39	36	35	31	28	29	29
1270	34	37	36	44	42	40	40	39	41	41
1280	40	37	36	37	38	41	46	49	52	52
1290	51	50	49	43	41	45	51	52	52	52
1300	52	51	50	49	47	40	38	35	33	28
1310	24	23	25	28	31	33	38	40	40	42
1320	42	41	41	44	44	43	42	42	42	41
1330	41	41	41	42	43	50	51	50	45	39
1340	35	27	24	24	26	34	38	41	41	41
1350	42	42	45	46	47	48	46	45	43	39
1360	32	29	24	21	20	18	18	18	22	18
1370	25	30	33	34	35	34	32	31	31	38
1380	44	44	44	44	59	58	53	49	47	44
1390	44	44	43	38	33	33	33	35	35	38
1400	38	37	33	29	29	29	29	30	33	36
1410	46	55	59	60	59	56	51	44	40	40
1420	43	44	41	40	40	40	39	43	51	54
1430	54	50	48	46	46	47	46	45	45	46
1440	46	47	49	48	46	44	41	38	30	26
1450	23	21	19	17	10	69	83	53	50	48
1460	59	67	71	70	69	69	69	69	69	69
1470	49	53	58	59	58	54	51	46	39	37
1480	34	32	32	35	43	45	46	51	52	52
1490	51	51	50	49	47	49	48	45	39	38
1500	37	39	42	43	46	44	42	40	39	38
1510	41	43	45	48	49	48	46	43	39	36
1520	34	31	29	29	31	31	32	31	31	31
1530	34	34	34	34	35	35	37	37	39	39
1540	39	41	44	49	53	58	57	48	45	41
1550	42	45	48	54	61	64	65	64	62	60
1560	46	53	49	45	40	40	44	48	50	55
1570	57	57	53	49	45	44	38	34	31	30
1580	32	35	35	38	45	55	60	60	55	51

TO BE CONTINUED

CONTINUED(S-252 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	46	40	39	38	41	46	51	52	55	56
1600	51	48	43	41	39	48	19	14	14	4
1610	-1	-2	12	32	46	47	50	50	50	51
1620	52	51	51	52	51	49	45	43	37	33
1630	30	26	21	20	29	35	45	45	64	65
1640	61	56	52	48	45	43	47	51	60	66
1650	59	58	54	50	44	40	39	40	42	46
1660	55	57	59	61	64	67	71	73	69	63
1670	60	58	57	56	52	48	48	47	46	46
1680	44	40	39	38	36	30	28	29	35	44
1690	49	49	55	59	59	57	52	49	55	68
1700	70	75	84	84	84	78	73	69	64	60
1710	53	44	37	36	34	32	35	39	40	42
1720	45	47	48	50	53	56	60	59	55	55
1730	51	50	50	49	46	38	32	30	33	42
1740	51	59	60	60	59	55	48	43	39	34
1750	32	34	38	40	44	46	48	51	55	55
1760	57	55	54	50	52	54	60	66	72	72
1770	65	59	53	45	41	39	33	27	24	26
1780	31	39	45	54	67	79	81	78	74	70
1790	67	63	60	58	59	65	69	71	75	73
1800	72	66	68	75	82	85	84	79	77	81
1810	81	86	89	90	92	92	90	86	78	70
1820	64	43	41	41	42	44	41	35	33	34
1830	41	47	52	54	54	55	55	54	51	49
1840	44	12	1	-3	-3	-3	-5	-3	11	29
1850	52	72	85	88	89	84	78	72	70	69
1860	70	71	81	85	81	74	65	61	57	56
1870	55	44	37	35	33	31	32	56	73	89
1880	103	98	96	96	68	46	38	37	36	44
1890	80	80	89	96	103	103	99	98	81	69
1900	59	68	68	64	60	57	55	52	57	61
1910	63	36	35	38	58	74	81	89	88	80
1920	70	68	69	84	98	101	190	92	81	75
1930	46	45	45	45	45	45	46	82	98	101
1940	104	103	102	101	98	92	88	83	75	67
1950	33	21	2	-6	-8	-8	-3	15	21	82
1960	94	97	90	63	30	10	-1	18	40	-37
1970	-30	-23	16	33	47	46	41	36	36	31
1980	11	-4	-14	-25	-35	-4	-43	-41	-39	-17
1990	-10	-8	-42	33	58	81	95	109	141	148
2000	-85	64	-19	114	121	100	71	64	46	46
2010	157	142	114	85	57	38	31	30	47	70
2020	88	99	107	114	120	100	71	64	46	46
2030	27	5	11	36	51	83	107	157	185	184
2040	175	139	117	78	49	25	-30	-43	-42	-4
2050	40	68	97	128	159	170	153	79	40	20
2060	11	-4	0	29	67	111	130	130	114	107
2070	64	81	69	61	53	61	51	61	75	83
2080	68	60	66	74	73	69	53	61	46	35
2090	2	-22	-16	-7	1	44	61	69	68	40
2100	30	14	-7	-34	-48	-8	11	3	0	0
2110	16	37	40	17	-1	-26	-31	-30	-24	-11
2120	-3	-23	-48	-57	-56	-48	-17	-10	0	53

TO BE CONTINUED

CONTINUED(S-252 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	73	80	71	49	44	52	62	73	65	49
2140	49	154	14	25	77	123	106	106	26	49
2150	104	151	189	198	185	153	107	106	106	106
2160	109	108	105	84	39	39	51	74	114	114
2170	113	92	111	74	-64	-70	-59	-51	29	29
2180	60	79	92	111	116	100	70	-9	-63	-100
2190	-21	117	-67	72	-14	19	42	48	52	52
2200	41	101	101	70	70	46	45	44	61	108
2210	95	143	146	130	103	84	53	10	-49	-57
2220	-56	153	156	133	-61	-27	-47	82	86	86
2230	88	-55	-59	-68	-74	-61	-127	-108	-61	184
2240	22	39	43	72	181	135	161	195	184	184
2250	122	57	43	20	77	63	70	30	30	30
2260	-15	-27	-27	-25	1	22	50	77	63	30
2270	-13	-27	-27	-25	1	22	50	77	63	30
2280	59	-16	-16	-24	-18	109	103	77	38	19
2290	89	57	52	34	47	179	132	138	137	123
2300	18	52	107	132	136	194	155	125	70	18
2310	46	52	107	132	136	194	155	125	70	18
2320	46	52	107	132	136	194	155	125	70	18
2330	91	44	-6	-26	-25	-19	22	34	135	105
2340	48	45	48	48	48	48	48	48	48	48
2350	56	49	41	50	54	72	151	157	139	80
2360	58	53	53	43	37	72	151	157	139	80
2370	274	297	280	224	130	75	82	107	184	153
2380	147	133	117	100	92	-60	-40	-51	89	104
2390	116	134	134	112	154	-173	-226	-213	170	170
2400	-101	-38	50	-98	-171	-164	-163	-66	7	35
2410	101	23	4	-124	-129	-121	-104	-66	7	35
2420	-3	-168	-124	-129	-121	-104	-66	7	35	35
2430	160	184	190	197	204	202	202	202	202	202
2440	139	176	201	227	227	227	227	227	227	227
2450	35	8	8	48	109	131	90	118	208	207
2460	169	80	47	146	158	120	97	66	16	-21
2470	70	85	124	146	158	120	97	66	16	-21
2480	-63	-85	-85	-60	-46	-53	-22	69	68	356
2490	-7	-65	-58	-60	-46	-53	-22	69	68	356
2500	-7	-65	-58	-60	-46	-53	-22	69	68	356
2510	-364	-360	-240	-179	-75	58	174	270	315	260
2520	188	189	18	18	17	0	155	-154	-143	-106
2530	-103	-100	-86	-33	41	0	158	122	199	197
2540	183	194	222	255	245	171	186	122	199	197
2550	-91	-104	-103	-100	-100	-123	-136	-130	-118	-42
2560	90	200	298	380	453	453	453	453	453	453
2570	76	73	-3	-49	-49	453	453	453	453	453
2580	76	73	-3	-49	-49	453	453	453	453	453
2590	76	73	-3	-49	-49	453	453	453	453	453
2600	-7	-14	-26	-26	184	169	121	30	9	3
2610	59	82	119	135	130	47	55	-97	105	-102
2620	-57	-29	-22	-23	-45	-47	-53	-67	105	-102
2630	104	97	91	-12	-95	-113	-113	-68	-56	-48
2640	-25	41	61	78	75	113	113	68	-56	-48
2650	91	129	162	164	194	189	202	199	188	174
2660	157	145	136	130	119	58	23	12	11	11

TO BE CONTINUED

CONTINUED(S-252 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	11	6	86	156	171	164	130	89	78	56
2680	-3	-53	-86	-90	-95	-79	-79	-7	53	12
2690	28	-18	-16	-13	-21	-55	-78	-52	64	18
2700	15	29	107	165	156	110	21	-43	-41	-49
2710	-17	-19	4	15	18	10	-21	-43	-41	-49
2720	-53	-93	-153	-192	-227	-224	-175	-55	11	89
2730	128	171	193	195	185	154	94	35	-8	-17
2740	-28	-38	-68	-70	-45	56	65	65	65	65
2750	114	131	146	156	164	145	142	89	46	23
2760	20	24	19	15	14	25	24	8	-29	-47
2770	-76	-98	-150	-171	-151	-52	71	37	59	8
2780	104	120	113	70	44	57	81	84	45	-35
2790	-37	-36	-33	-37	-44	-12	75	99	114	133
2800	153	162	149	141	145	192	203	187	173	166
2810	201	227	269	319	382	445	445	397	313	284
2820	285	280	273	252	155	73	36	15	-3	-23
2830	-30	-34	-38	-84	-143	-145	-131	-118	-109	-86
2840	-68	-26	16	47	71	82	93	102	100	87
2850	58	13	79	108	139	164	167	137	97	75
2860	-3	50	79	108	139	164	167	137	97	75
2870	54	19	11	0	26	45	39	15	9	24
2880	30	27	5	-45	-45	-92	-120	-131	-113	-83
2890	-70	-59	-45	-41	-42	-43	-35	-27	-16	-6
2900	39	84	134	158	190	201	204	208	213	217
2910	221	233	223	198	169	141	117	77	62	51
2920	65	89	99	119	149	193	222	231	209	138
2930	79	45	-24	-42	-44	-40	-29	-13	-10	-9
2940	-14	-16	44	105	111	107	66	18	-16	-73
2950	-93	-105	-106	-92	-70	-32	2	0	-16	-73
2960	-94	-74	-29	0	21	46	58	62	44	26
2970	24	20	14	-4	-12	2	76	121	170	201
2980	232	285	323	356	349	325	279	196	138	131
2990	122	113	103	86	80	74	22	-23	-29	-7
3000	34	73	107	135	144	130	44	-21	-26	-30
3010	-28	-12	0	5	9	8	8	4	0	-1
3020	-7	8	1	-4	-63	-121	-142	-147	-151	-152
3030	-147	-136	-101	-30	24	81	95	99	98	94
3040	78	24	18	132	172	176	172	161	147	151
3050	-48	0	78	132	172	176	172	161	147	151
3060	158	164	175	205	219	222	198	129	303	303
3070	106	109	98	50	47	81	112	169	230	303
3080	305	293	323	274	251	239	89	38	17	4
3090	359	354	327	264	218	139	89	38	17	4
3100	-36	-61	-62	-56	-54	-62	-146	-215	-253	-288
3110	-292	-242	-242	-242	-242	-242	-242	-242	-242	-242
3120	-242	-242	-242	-242	-242	-242	-242	-242	-242	-242
3130	220	216	241	240	225	199	201	236	290	313
3140	332	334	330	326	307	256	212	129	49	17
3150	9	89	194	244	281	277	271	274	316	344
3160	353	363	382	422	420	501	521	527	544	580
3170	717	750	772	734	625	552	507	474	419	351
3180	320	364	367	385	371	331	270	239	193	75
3190	-90	-143	-247	-307	-349	-302	-241	-170	-151	-151
3200	-126	-131	-152	-218	-281	-377	-430	-481	-542	-614

TO BE CONTINUED

CONTINUED(S-252 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	-650	-645	-624	-563	-509	-442	-427	-410	-368	-306
3220	-284	-264	-241	-159	-104	-52	65	157	225	266
3230	365	468	571	708	753	805	795	738	702	570
3240	464	408	412	447	506	562	470	358	233	72
3250	108	-12	-37	-109	-96	-82	-69	-107	215	352
3260	354	-68	359	391	275	203	203	208	591	172
3270	0	-68	-97	-96	21	125	116	116	259	318
3280	-32	-280	-169	-25	50	92	-127	-167	208	178
3290	92	-105	-194	-24	-210	-215	-214	-205	-196	-151
3300	101	58	-20	-124	-329	-200	-223	-436	371	223
3310	487	487	215	279	314	362	382	351	266	168
3320	208	320	487	61	-53	-137	-144	-413	497	500
3330	487	234	236	289	207	-22	-90	-153	162	162
3340	308	308	321	-260	-240	-134	-134	-134	-178	-254
3350	-275	-345	-342	-337	-290	-116	-116	-116	-125	-157
3360	240	417	535	578	578	578	231	283	195	179
3370	240	194	190	186	131	-42	-21	-72	-376	-343
3380	-241	-201	-151	-123	-138	-137	-131	-124	537	4
3390	114	251	377	444	439	407	393	362	335	633
3400	684	648	620	533	451	381	326	276	235	238
3410	235	189	-121	-238	-303	-326	-303	-276	512	-540
3420	-581	-618	-624	-624	-635	-645	-671	-692	-683	-537
3430	-459	-385	-324	-326	-326	-341	-341	-341	-441	-454
3440	-385	-347	-276	-225	-185	-143	-111	-593	-683	-537
3450	-320	-428	-474	-510	-510	-510	-510	-510	-466	-181
3460	290	364	457	470	393	243	106	-134	146	161
3470	290	364	457	470	393	243	106	-134	146	161
3480	572	572	578	572	573	587	595	604	600	595
3490	-152	-192	-214	-212	-162	-174	-182	-182	-223	-1
3500	-127	-119	-44	-27	-22	6	194	182	226	1
3510	482	467	498	504	474	419	323	205	269	354
3520	361	398	437	461	481	488	498	498	350	350
3530	139	88	-12	-67	-180	-228	-217	-217	322	241
3540	-166	-169	-185	-203	-192	-228	-217	-217	-175	-175
3550	-5	-42	-67	-39	-27	-78	-78	-78	50	33
3560	-242	-290	-297	-258	-194	-75	100	102	20	-150
3570	-248	-177	-120	-15	95	182	204	221	262	274
3580	203	203	202	199	188	188	282	302	282	203
3590	71	-37	-151	-192	-218	-218	-194	-173	148	173
3600	185	165	149	98	45	17	-2	-31	91	136
3610	14	5	-13	-43	-42	-29	-2	-11	3	14
3620	114	135	143	210	267	337	363	367	366	109
3630	205	144	107	84	74	371	363	367	288	288
3640	-19	-64	-96	-169	-118	-73	-57	-56	-52	-30
3650	-92	-13	79	124	148	177	257	257	235	-149
3660	-157	-111	-35	5	28	40	489	435	358	228
3670	-157	-111	-35	5	28	40	489	435	358	228
3680	112	87	43	-42	-105	-173	-203	-221	100	113
3690	-53	59	124	236	300	414	466	490	542	595
3700	634	724	737	737	735	692	542	466	372	354
3710	330	365	242	149	692	542	466	372	173	-72
3720	-42	-16	25	25	72	116	123	134	121	89
3730	-2	-83	-198	-270	-335	-376	-393	-415	-415	-403
3740	-563	-233	-168	-71	59	118	143	172	179	148

TO BE CONTINUED

CONTINUED(S-252 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3750	87	51	18	12	-4	-65	-144	-185	-219	-224
3760	-210	-137	-67	-13	55	117	145	238	309	391
3770	478	566	594	599	586	548	513	483	465	470
3780	490	532	582	586	576	561	531	497	476	471
3790	474	463	432	383	296	197	129	107	57	43
3800	3	-43	-90	-178	-245	-342	-362	-397	-380	-318
3810	-263	-241	-228	-224	-219	-230	-258	-299	-354	-362
3820	-344	-320	-315	-337	-367	-382	-371	-327	-244	-179
3830	-144	-147	-179	-267	-313	-346	-357	-360	-356	-340
3840	-288	-276	-270	-268	-274	-274	-272	-204	-140	-50
3850	24	46	56	46	-2	-55	-95	-83	-87	-52
3860	-8	7	26	52	62	110	156	235	278	343
3870	411	473	503	525	528	511	486	466	436	382
3880	334	311	297	291	248	276	260	228	177	165
3890	149	133	119	115	107	94	79	71	61	50
3900	24	-24	-60	-104	-115	-123	-125	-129	-140	-182
3910	-276	-311	-344	-347	-313	-236	-186	-121	-40	-11
3920	59	72	71	45	31	23	9	-14	-192	-257
3930	-281	-315	-335	-338	-319	-277	-229	-204	-133	-123
3940	-115	-115	-115	-118	-123	-110	-43	30	96	144
3950	213	240	244	225	117	33	-49	-109	-115	-132
3960	-128	-74	-28	0	41	55	74	84	95	79
3970	6	23	19	26	84	128	232	297	372	431
3980	469	480	481	464	439	416	407	430	452	477
3990	531	561	553	517	446	364	305	241	200	141
4000	103	76	66	41	35	5	2	-16	-16	-20
4010	-1	32	88	144	208	252	281	287	272	251
4020	210	140	41	-30	-261	-313	-353	-411	-463	-519
4030	-377	-373	-353	-313	-261	-187	-166	-111	-63	-32
4040	-18	15	50	57	56	37	19	-95	-171	-257
4050	-386	-503	-572	-600	-599	-580	-491	-396	-336	-283
4060	-249	-219	-185	-161	-136	-81	-58	-42	-47	-68
4070	-126	-167	-176	-159	-99	-7	69	109	141	174
4080	174	168	151	107	89	82	82	112	181	242
4090	265	256	227	136	102	101	67	75	127	191
4100	207	252	292	311	311	311	310	311	316	320
4110	385	291	247	223	205	205	208	213	216	215
4120	209	204	198	184	162	153	117	62	21	-13
4130	-53	-84	-94	-93	-82	-60	-51	-26	-12	-9
4140	-18	-49	-155	-202	-259	-300	-326	-331	-326	-312
4150	-271	-207	-151	-132	-90	-47	-7	55	95	134
4160	134	147	135	128	121	108	101	114	130	150
4170	149	139	114	56	28	8	30	50	80	130
4180	165	200	205	203	183	147	66	-15	-62	-121
4190	-190	-131	-275	-293	-298	-293	-263	-191	-67	-453
4200	100	192	254	326	378	428	475	498	497	453
4210	367	263	136	36	5	-52	-39	-39	6	76
4220	86	117	158	205	271	337	406	465	494	492
4230	485	431	332	223	157	64	-80	-264	-361	-479
4240	4240	556	-610	-651	-646	-661	-666	-678	-298	-214
4250	-44	-28	183	234	238	239	211	126	6	52
4260	-116	-168	-204	-222	-211	-156	-28	42	163	252
4270	324	417	503	584	624	639	614	541	454	342
4280	187	84	-33	-77	-145	-187	-215	-237	-233	-202

TO BE CONTINUED

CONTINUED(S-252 U-D)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	-152	-95	-40	6	42	49	39	19	-9	-32
4300	-76	-119	-174	-234	-239	-253	-265	-262	-254	-236
4310	-200	-164	-105	-4	64	120	178	208	207	183
4320	106	-14	-80	-159	-218	-223	-218	-181	-155	-90
4330	338	38	32	49	126	130	115	68	-49	-139
4340	-199	-218	-11	-192	-108	-81	-53	-52	-68	-69
4350	-91	-117	-122	-91	-32	45	79	84	95	81
4360	76	18	-24	-44	-75	-83	-50	43	64	126
4370	188	247	371	377	471	461	458	430	359	247
4380	147	83	-117	-19	-47	-68	-83	-103	-116	-123
4390	-122	-218	-74	-33	-1	42	81	112	156	195
4400	206	218	224	227	210	95	-27	-146	-219	-291
4410	-356	-387	-385	-350	-263	-180	-119	-102	-61	-35
4420	1	9	26	24	26	40	45	54	57	27
4430	-32	-103	-144	-206	-233	-239	-261	-284	-289	-291
4440	-281	-275	-277	-289	-297	-294	-286	-251	-179	-129
4450	-84	-65	65	153	231	291	326	339	348	335
4460	291	183	113	33	-32	-150	-224	-257	-299	-333
4470	-374	-396	-408	-399	-365	-271	-225	-150	-65	-1
4480	94	180	248	309	352	365	387	373	331	270
4490	216	155	107	81	54	47	45	61	103	148
4500	169	177	175	158	111	89	87	102	168	192
4510	192	174	73	-4	-50	-115	-184	-274	-325	-355
4520	-347	-290	-191	-65	24	151	262	349	434	496
4530	535	574	569	549	512	429	341	257	176	95
4540	55	-45	-112	-133	-136	-109	-76	-48	-39	-30
4550	-9	60	120	196	244	265	255	188	80	-33
4560	-159	-233	-283	-310	-298	-251	-191	-167	-171	-194
4570	-218	-229	-193	-99	42	167	280	342	356	335
4580	281	231	178	123	108	98	81	67	10	-29
4590	-93	-126	-140	-142	-104	-39	14	112	199	309
4600	448	570	668	700	704	685	535	369	183	-6
4610	-135	-186	-172	-56	-8	25	38	18	-63	-92
4620	-89	-47	35	46	58	43	30	20	15	54
4630	156	219	227	210	133	-33	-199	-279	-312	-292
4640	-225	-149	-71	-37	-36	-49	-117	-166	-199	-217
4650	-242	-241	-201	-144	-121	-92	-51	-33	-3	51
4660	160	265	329	381	398	358	246	143	44	-46
4670	-89	-123	-148	-175	-197	-209	-194	-127	-20	92
4680	164	217	285	334	367	387	403	406	387	341
4690	284	211	142	54	-53	-152	-229	-319	-367	-374
4700	-333	-238	-87	-9	136	277	415	523	621	697
4710	756	892	795	731	692	460	320	198	38	774
4720	-159	-294	-367	-435	-480	-503	-502	-450	-367	-303
4730	-259	-229	-170	-124	-74	-44	-7	44	107	152
4740	189	255	244	263	270	243	242	196	138	66
4750	-15	-84	-158	-202	-230	-210	-142	-43	48	114
4760	220	329	425	510	577	633	689	747	791	832
4770	861	863	839	786	706	599	460	310	176	362
4780	-117	-355	-388	-404	-379	-316	-252	-180	-115	-115
4790	-42	39	94	127	131	130	118	84	43	20
4800	5	16	52	58	62	69	92	151	221	254
4810	264	266	211	154	113	77	56	45	33	11
4820	21	26	127	155	149	135	73	-13	-61	-94

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-252 U-D)		CONTINUED(S-252 U-D)		CONTINUED(S-252 U-D)		CONTINUED(S-252 U-D)		CONTINUED(S-252 U-D)												
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
5370	-272	-185	-68	91	298	442	607	735	806	900	5910	171	96	40	-53	-94	-117	-118	-112	-106
5380	960	981	906	906	407	197	50	50	806	900	5920	-71	-63	-58	-54	-54	-60	-64	-51	-50
5390	-280	-543	-410	-422	-600	-526	-467	-327	-107	-107	5930	32	63	129	273	320	346	366	379	367
5400	-39	40	239	352	984	506	587	300	255	255	5940	325	246	136	0	-92	-119	-168	-142	-52
5410	163	59	-42	-135	-197	-278	-306	-384	-381	-381	5950	46	149	207	295	362	376	370	282	176
5420	370	-349	-308	-265	-217	-94	-71	-30	30	30	5960	46	113	-197	-301	-392	-396	-395	-320	-232
5430	70	82	124	93	97	86	46	46	46	46	5970	-214	-120	-2	32	78	119	117	116	85
5440	-58	-129	-222	-251	-286	-286	-281	-258	-167	-167	5980	-33	-80	-178	-191	-229	-236	-228	-159	-159
5450	33	126	242	546	686	686	686	686	686	686	5990	-117	-96	-85	-77	-54	-49	-49	-49	-49
5460	940	698	446	225	198	198	198	198	198	198	6000	313	317	283	142	142	76	25	6	-6
5470	-153	49	177	394	408	408	408	408	408	408	6010	-14	-23	65	70	28	61	77	83	79
5480	481	350	128	-27	-92	-123	-121	-591	554	554	6020	74	66	65	70	73	83	109	157	174
5490	-319	-362	-385	-402	-382	-359	-294	-203	-203	-203	6030	173	158	142	112	106	123	166	270	356
5500	4	16	15	51	51	35	35	57	57	57	6040	519	584	584	583	583	527	406	255	188
5510	24	19	-28	-31	-20	-20	19	37	37	37	6050	124	54	-5	-40	-59	-97	-102	-97	-66
5520	49	35	-8	-49	-115	-312	-290	-358	-389	-412	6060	26	49	55	51	27	1	4	35	85
5530	-430	-441	-488	-459	-447	-473	-470	-464	-481	-480	6070	143	162	163	154	123	95	49	0	-22
5540	-360	-320	-298	-228	-173	-170	-170	-170	-170	-170	6080	-111	-149	-211	-257	-297	-312	-300	-240	-233
5550	290	347	302	216	165	165	165	165	165	165	6090	-237	-257	-299	-333	-342	-312	-238	-151	-73
5560	539	447	373	216	165	165	165	165	165	165	6100	60	79	74	34	-19	130	-208	-258	-292
5570	-73	116	117	230	309	309	309	309	309	309	6110	320	315	-270	-196	-71	36	139	248	356
5580	495	717	707	689	527	407	237	93	-97	-232	6120	513	592	636	650	636	576	466	308	96
5590	-366	-425	-442	-385	-276	-170	-85	-76	-77	-77	6130	-248	-374	-465	-510	-546	-580	-567	-503	-410
5600	59	63	43	40	-66	-163	-130	-106	-62	-57	6140	-139	-3	131	253	387	543	666	751	813
5610	-36	-33	-40	-40	-20	-81	-136	-167	-160	-159	6150	830	791	719	603	465	328	218	102	-64
5620	-146	-124	-124	-77	20	-81	-136	-167	-160	-159	6160	-246	-276	-305	-322	-318	-287	-223	-145	-64
5630	193	114	77	21	-81	-183	-213	-266	-261	-260	6170	830	791	719	603	465	328	218	102	-64
5640	-333	-306	-306	-306	-306	-306	-306	-306	-306	-306	6180	197	142	213	247	299	322	342	349	328
5650	56	29	97	-157	-257	-353	-386	-413	-413	-413	6190	-389	-388	-361	-8	-89	-172	-244	-290	-334
5660	-377	-299	-224	-121	-22	-133	-286	-433	-433	-433	6200	855	96	103	119	143	159	162	142	48
5670	852	688	710	694	677	507	376	18	586	586	6210	27	8	-14	-45	-98	-124	-140	-152	-138
5680	-79	-139	-196	-264	-269	-274	-244	-224	-195	-185	6220	14	92	167	250	336	396	455	487	517
5690	-42	9	32	55	78	77	60	69	69	69	6230	537	509	427	296	134	20	-37	-89	-139
5700	-143	-142	-142	-87	-57	-52	-49	-49	-49	-49	6240	-167	-140	-42	15	779	109	166	209	233
5710	-138	-119	-160	203	222	235	231	229	236	236	6250	262	295	303	290	270	248	234	208	172
5720	155	136	89	53	48	230	231	220	176	176	6260	108	86	50	11	-10	-36	-61	-67	-53
5730	-88	-110	-109	-89	3	50	107	129	249	249	6270	-10	25	44	49	44	40	37	11	-25
5740	-332	-394	-464	-516	-544	-570	-570	-570	-570	-570	6280	-115	-160	-226	-255	-265	-264	-242	-187	-174
5750	410	303	212	101	-56	-182	-288	-357	-373	-378	6290	-183	-211	-262	-288	-299	-293	-271	-263	-258
5760	-323	-283	-210	-96	-22	230	231	220	176	176	6300	-232	-190	-143	-73	-53	-49	-49	-49	-49
5770	310	358	346	346	261	155	129	109	86	86	6310	-63	-63	-63	-63	-63	-63	-63	-63	-63
5780	-114	-135	-162	-175	-207	-207	-165	-142	-88	-88	6320	262	250	232	186	146	99	38	4	-24
5790	-96	-145	-197	-217	-239	-250	-237	-145	-73	-73	6330	-27	-7	7	14	16	22	35	65	99
5800	47	-64	-118	-169	-245	-303	-375	-452	-519	-519	6340	204	255	385	342	363	384	373	344	286
5810	-94	-118	-169	-245	-303	-375	-452	-519	-519	-519	6350	166	166	166	166	166	166	166	166	166
5820	-178	-583	-519	-577	-649	-726	-798	-875	-952	-952	6360	-114	-23	67	107	126	149	151	156	166
5830	20	56	144	194	232	256	270	284	292	292	6370	166	149	119	54	-2	-52	-88	-101	-101
5840	96	-24	-207	-238	-280	-324	-369	-414	-459	-459	6380	-7	68	130	211	248	278	321	367	429
5850	-248	-127	-18	118	244	365	480	595	710	710	6390	517	555	560	560	560	560	560	560	560
5860	793	840	849	833	745	699	587	405	251	236	6400	-209	-235	-250	-286	-331	-378	-392	-384	-379
5870	43	40	40	424	424	424	424	424	424	424	6410	-295	-283	-267	-201	-157	-132	-52	-5	99
5880	292	341	404	430	454	454	454	454	454	454	6420	230	291	362	417	493	533	529	505	433
5890	-271	-365	-456	-519	-534	-511	-431	-325	-267	-213	6430	232	138	60	-31	105	-173	-225	-243	-209
5900	-80	-18	56	268	237	296	324	325	304	265	6440	-165	-151	-142	-47	36	40	66	90	150

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-252 U-0)

CONTINUED(S-252 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6450	238	285	315	314	276	229	154	94	72	-96
6460	-183	-234	-242	-214	-142	-53	-33	84	101	132
6470	128	159	172	178	177	162	150	132	111	72
6480	18	-47	-197	-326	-347	-347	-336	-302	-222	-222
6490	-127	-35	39	99	129	167	178	226	288	259
6500	238	201	146	53	-16	-103	-166	-230	-269	-268
6510	-235	-196	-190	-176	-151	-78	-37	-10	5	31
6520	127	178	211	239	243	245	216	184	125	86
6530	38	-1	-6	-14	-5	4	14	8	4	0
6540	-153	-6	-6	-13	-17	-29	-102	-140	-152	0
6550	38	20	-93	-36	70	105	106	105	87	68
6560	38	20	-6	-11	-45	-64	-124	-151	-185	-211
6570	-232	-275	-280	-274	-254	-221	-210	-188	-153	-116
6580	79	-12	29	108	145	203	230	225	201	151
6590	81	23	-17	-54	-92	-130	-147	-181	-184	-178
6600	-158	-112	-33	-4	12	60	91	90	89	87
6610	177	67	61	63	71	80	82	139	179	198
6620	193	182	181	180	173	158	146	139	97	58
6630	12	-11	-45	-70	-106	-111	-99	-62	-31	-2
6640	50	114	156	221	338	408	457	481	473	473
6650	432	371	511	169	34	1	-112	-172	-212	-232
6660	-232	-253	-219	-159	-73	-2	68	116	174	244
6670	295	317	333	317	281	193	122	56	24	-88
6680	-192	-273	-340	-395	-417	-408	-385	-334	-258	-225
6690	-153	-175	-48	-8	24	50	90	108	111	113
6700	113	101	96	89	79	59	19	-52	-97	-143
6710	-176	-215	-235	-276	-288	-276	-266	-210	-140	-140
6720	-62	-5	60	107	164	186	219	243	253	245
6730	211	141	90	40	-3	-45	-81	-102	-111	-121
6740	-120	-101	-62	-16	34	83	110	129	150	153
6750	151	136	101	0	-62	-128	-115	-150	-96	-39
6760	-5	39	70	94	108	115	114	112	110	110
6770	106	100	85	67	14	-24	-64	-81	-85	-72
6780	-45	-7	40	84	104	109	110	103	91	73
6790	35	-15	-40	-53	-73	-84	-83	-85	-89	-89
6800	-86	-14	-57	-36	-13	48	92	128	160	166
6810	165	158	143	124	105	78	64	36	9	-11
6820	-20	-42	-51	-53	-55	-52	-19	54	27	80
6830	76	60	27	-35	-72	-78	-84	-72	-27	-13
6840	-1	4	-7	-14	-24	-33	7	67	109	132
6850	158	171	169	146	127	118	93	72	70	80
6860	91	104	103	98	96	96	99	111	124	171
6870	186	197	190	168	123	41	20	35	117	146
6880	-350	-216	-232	-263	-298	-327	-349	-381	-388	-383
6890	-280	-280	-251	-195	-172	-134	-9	53	84	320
6900	146	165	157	124	79	-1	-87	-137	-193	-208
6910	-225	-219	-190	-156	-131	-10	39	73	120	162
6920	186	200	229	244	242	227	212	192	164	137
6930	114	87	34	17	4	-46	-73	-76	-93	-55
6940	-15	71	118	152	181	196	209	197	173	141
6950	89	-21	-33	-36	-118	-129	-137	-109	-72	-53
6960	-31	21	-24	-24	-47	-60	-64	-87	-77	-92
6970	-102	-117	-107	-117	-133	-167	-165	-173	-161	-204
6980	-142	-79	-7	27	90	151	164	178	201	204

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-252 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7530	-53	-73	-80	-129	-166	-201	-211	-224	-220	-207
7540	-202	-184	-156	-139	-115	-90	-11	-74	143	189
7550	245	269	272	206	126	25	53	-53	-128	-212
7560	-285	-350	-374	-348	-294	-235	-204	-156	-164	-185
7570	-144	-111	-48	-4	62	115	137	162	184	185
7580	162	148	123	95	84	70	67	79	153	185
7590	224	238	238	212	147	97	58	49	36	53
7600	78	127	129	151	159	157	135	118	91	41
7610	31	-37	-55	-78	-103	-113	-122	-123	-123	-123
7620	-119	-113	-77	-38	3	24	77	117	131	143
7630	153	154	137	104	75	56	27	23	18	9
7640	-25	-68	-26	-25	-10	48	68	74	54	8
7650	-35	-68	-135	-149	-158	-143	-128	-109	-93	-106
7660	-111	-121	-170	-193	-203	-213	-189	-146	-22	-98
7670	149	232	243	265	268	232	161	98	43	-8
7680	-28	-16	-40	-14	4	46	87	105	115	98
7690	23	-16	-62	-125	-193	-218	-243	-270	-279	-273
7700	-260	-159	-88	-16	47	100	126	144	132	144
7710	108	86	-18	-81	-125	-158	-207	-231	-232	-198
7720	-161	-98	-58	-37	-14	9	52	77	169	169
7730	214	242	293	301	265	156	83	4	-63	-144
7740	-174	-235	-246	-253	-249	-218	-124	-34	46	74
7750	106	114	107	90	74	65	55	54	55	54
7760	19	8	0	-32	-61	-84	-103	-117	-123	-128
7770	-127	-117	-59	-22	41	84	101	128	165	206
7780	214	220	213	203	191	183	165	194	220	220
7790	261	330	372	404	439	463	463	442	360	202
7800	59	-60	-169	-273	-319	-340	-376	-415	-422	-378
7810	-268	-144	-81	-45	3	48	61	55	22	3
7820	-26	-52	-56	-55	-50	-37	-32	-29	-28	-4
7830	30	57	104	147	164	159	87	5	-87	-133
7840	143	-142	-129	-66	-19	13	22	36	45	55
7850	60	124	171	204	254	284	285	264	219	117
7860	26	-93	-181	-251	-290	-362	-399	-410	-387	-309
7870	-166	-44	-2	38	79	137	187	207	183	131
7880	-54	-210	-349	-415	-493	-524	-514	-475	-440	-411
7890	-352	-276	-167	-20	100	239	363	499	639	792
7900	936	1008	1028	991	851	698	474	247	5	-83
7910	-140	-204	-242	-254	-233	-210	-196	-185	-170	-81
7920	61	177	236	319	427	545	626	727	749	758
7930	695	432	181	65	-20	-128	-196	-236	-236	-224
7940	-171	-148	-114	-28	49	55	92	140	155	178
7950	168	128	-114	103	44	-17	-52	-87	-106	-121
7960	-154	-173	-179	-168	-156	-146	-105	-94	-88	-83
7970	-87	-110	-116	-126	-133	-147	-151	-144	-130	-80
7980	-33	-20	0	7	-4	-30	-164	-225	-290	-310
7990	-317	-289	-150	-30	35	84	144	155	164	147
8000	123	62	34	12	9	25	90	144	197	212
8010	225	235	217	208	181	162	136	96	71	56
8020	56	89	114	152	168	165	126	108	90	40
8030	9	6	6	11	11	3	-7	-7	7	52
8040	61	64	66	48	0	-68	-140	-151	-184	-205
8050	-176	-133	-75	-20	34	62	84	92	101	100
8060	91	59	44	23	9	-19	-42	-63	-85	-72

TO BE CONTINUED

CONTINUED(S-252 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8070	-62	-66	-46	-28	11	78	100	141	184	197
8080	251	230	198	194	47	6	-73	-185	-316	-353
8090	-408	-441	-440	-428	-365	-232	-145	552	382	395
8100	69	102	146	184	237	259	354	480	586	678
8110	-377	-384	-341	-256	152	172	206	260	-106	-129
8120	-372	-389	-383	-347	-307	-301	-270	-259	-249	-282
8130	-325	-359	-383	-381	-182	-206	-234	-261	-268	-305
8140	-355	-359	-318	-381	-75	-226	-261	-30	74	121
8150	-353	-318	-186	-185	119	160	82	66	81	-51
8160	-51	-64	-93	-82	-56	-42	-172	-224	-135	-103
8170	-3	0	67	75	-99	-99	-112	-128	-127	-43
8180	4	24	61	70	17	93	65	44	21	17
8190	10	0	327	-284	-211	-193	-259	-341	-388	-410
8200	-41	-374	-329	-284	-211	-183	-259	-341	-388	-410
8210	267	339	366	378	387	102	41	-103	-198	-266
8220	-304	-323	-322	-300	-255	-179	-117	-56	32	54
8230	117	177	230	286	312	321	324	315	295	245
8240	194	118	51	35	65	60	139	165	178	185
8250	174	161	177	196	229	250	253	237	174	90
8260	45	20	2	-9	-10	-69	-74	-75	-86	-70
8270	-62	-55	-42	-27	-10	5	33	37	30	3
8280	-41	-55	-67	-90	-89	-72	-52	-45	-35	-102
8290	-124	-148	-154	-168	-169	-167	-159	-135	-122	-112
8300	-59	-92	-56	-39	7	124	44	71	184	136
8310	159	167	171	185	151	135	123	106	90	80
8320	72	69	75	78	78	73	74	74	61	25
8330	0	-40	-97	-69	-72	-47	-36	0	33	48
8340	43	-95	-111	-111	-166	-278	-354	-378	-408	-414
8350	-407	-370	-323	-291	-253	-185	-171	-145	-149	-154
8360	-158	-163	-162	-157	-141	-103	1	65	112	162
8370	180	201	210	222	213	207	198	170	152	120
8380	110	104	70	31	-7	-45	-51	-45	-40	-37
8390	43	56	58	-62	-40	27	78	125	175	236
8400	-43	56	58	-62	-40	27	78	125	175	236
8410	301	368	409	473	538	582	609	610	457	275
8420	141	47	0	-103	-108	-154	-167	-167	-141	-127
8430	-98	86	71	2	36	81	129	196	284	287
8440	356	350	350	304	173	65	-16	-40	-70	-112
8450	-106	-89	-62	-30	-93	-28	-84	-93	-113	-105
8460	-81	-42	-36	-43	-44	-43	-22	-22	20	39
8470	51	40	10	-114	-167	-211	-222	-219	-161	-96
8480	-54	-36	-18	-15	-28	-73	-132	-169	-183	-187
8490	-159	-103	-45	-2	21	44	51	31	14	39
8500	-77	-97	-130	-136	-146	-147	-119	-76	3	74
8510	117	174	234	306	335	373	416	416	405	380
8520	323	196	137	18	115	192	233	259	271	273
8530	-253	-179	-110	-32	33	86	159	212	251	246
8540	272	222	176	119	46	-15	-40	-53	-84	-83
8550	-82	276	284	266	202	170	145	119	94	63
8560	252	286	286	266	202	170	145	119	94	63
8570	51	10	-20	-50	-64	-52	-53	-12	0	15
8580	-50	36	-41	-58	-64	-52	-53	-12	0	15
8590	24	30	-3	-28	-67	-128	-166	-204	-217	-215
8600	-192	-134	-87	-68	-42	-29	-29	-29	-33	-46

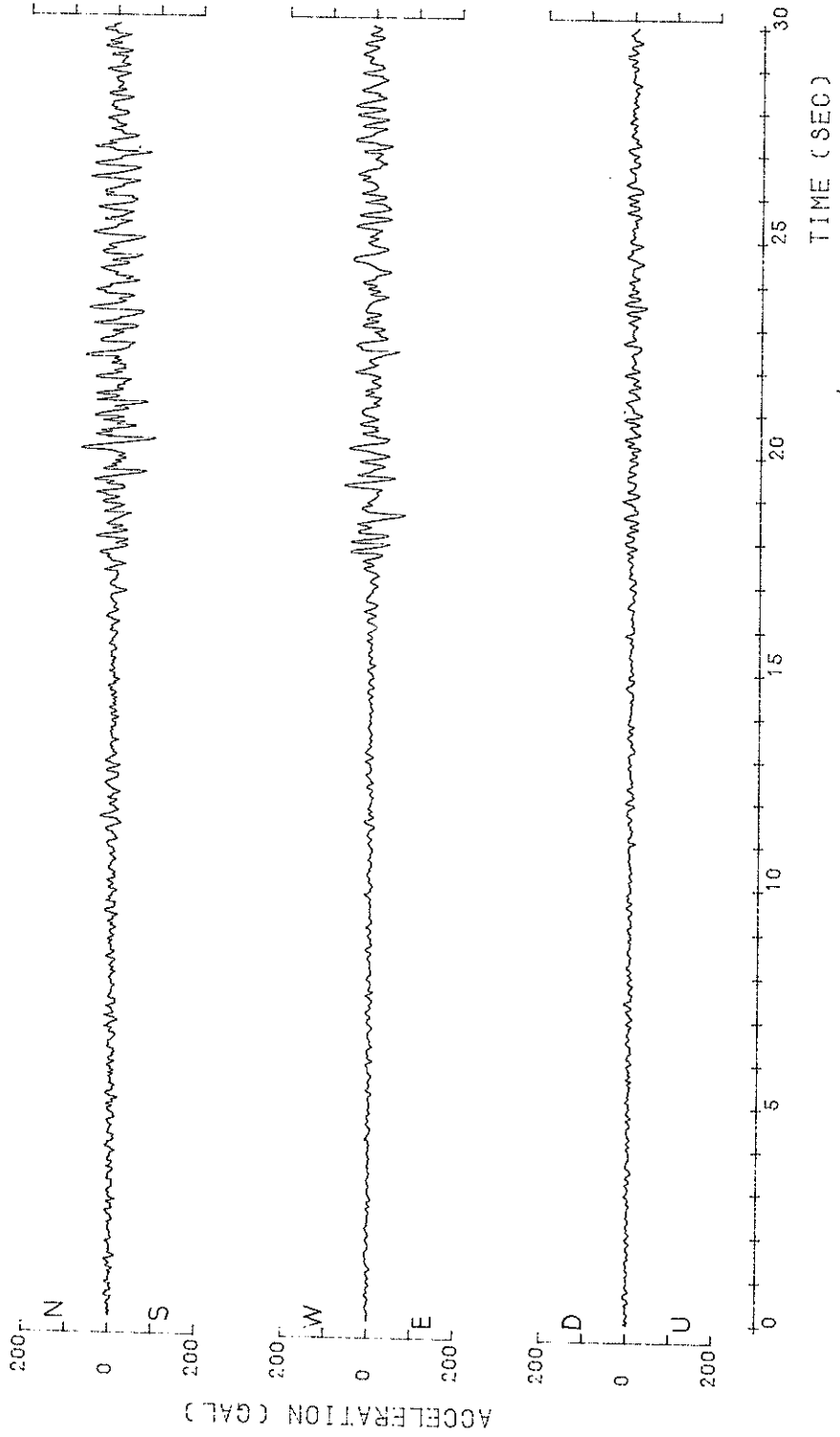
TO BE CONTINUED

CONTINUED(S-252 U-D)

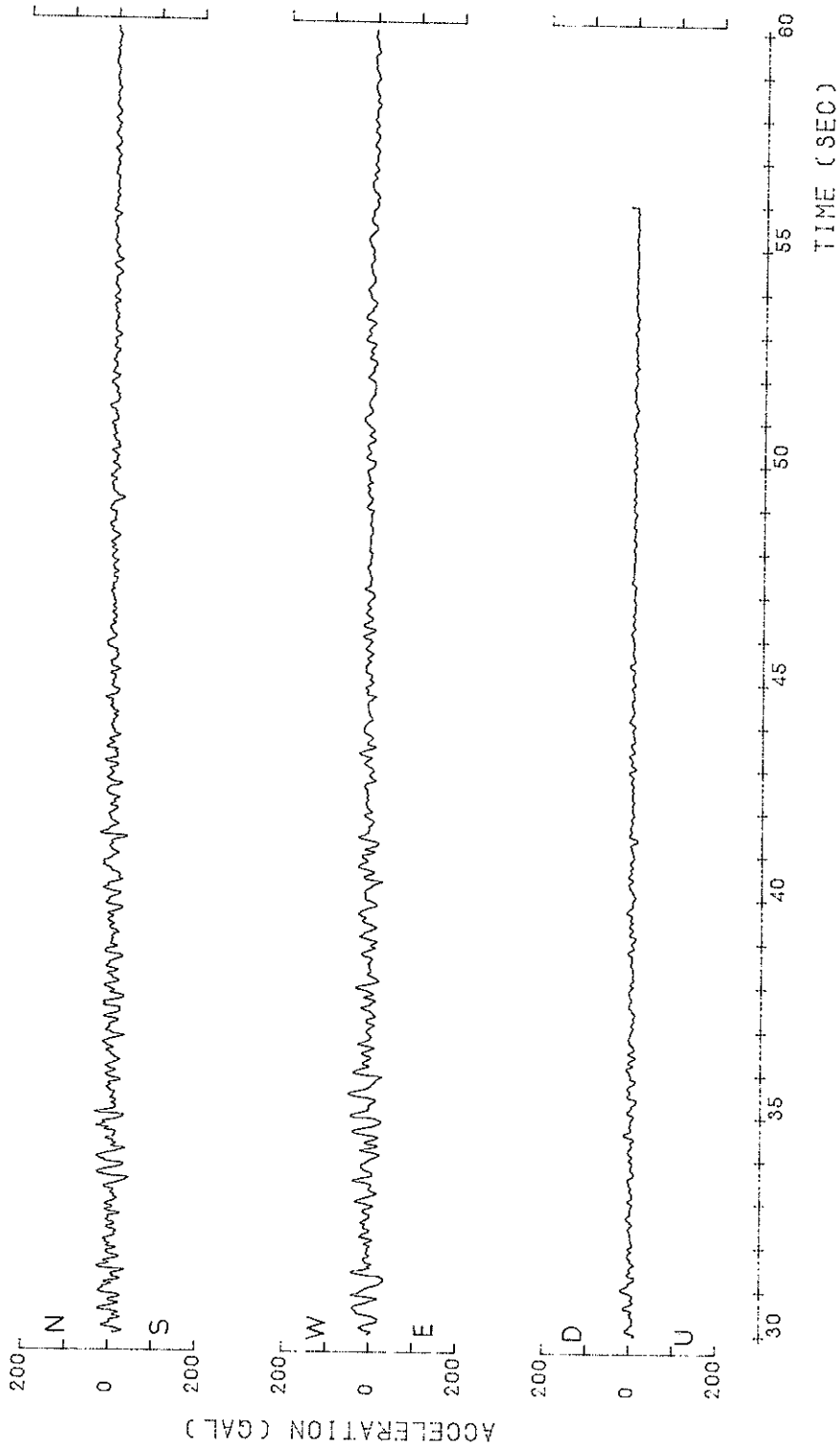
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8610	-58	-75	-87	-91	-87	-87	-114	-126	-112	-186
8620	-36	0	48	110	168	235	268	297	306	302
8630	268	235	207	176	161	150	155	170	174	183
8640	179	165	158	136	91	36	28	-83	-139	-146
8650	-165	-193	-217	-231	-240	-245	-213	-127	-60	-21
8660	15	49	71	129	154	154	161	161	160	147
8670	134	115	90	58	15	-12	-41	-62	-56	-49
8680	-45	-40	-31	-27	34	42	124	138	147	142
8690	123	108	81	58	19	-10	-14	-80	-100	-148
8700	-193	-238	-244	-253	-261	-241	-194	-162	-146	-130
8710	-123	-110	-53	-4	66	117	163	224	295	397
8720	477	492	518	548	562	570	558	479	377	276
8730	114	56	102	-211	-246	-269	-275	-256	-223	-138
8740	-42	-23	51	61	89	102	110	89	60	30
8750	-11	-52	-85	-112	-127	-147	-146	-150	-153	-157
8760	-157	-154	-124	-111	-57	7	39	47	66	55
8770	34	23	-8	-23	-32	-42	-37	-15	12	56
8780	64	84	94	101	124	135	143	144	146	148
8790	151	154	153	142	123	98	87	46	19	-15
8800	-24	-41	-67	-84	-94	-102	-116	-122	-116	-106
8810	-56	-15	39	109	148	211	221	246	261	275
8820	260	248	236	192	160	137	100	79	43	-7
8830	-23	-37	-84	-94	-105	-100	-94	-84	-78	-92
8840	17	40	48	42	25	-15	-42	-69	-78	-46
8850	-98	-104	-129	-124	-128	-110	-103	-65	-52	-46
8860	-49	-51	-57	-56	-52	-40	-77	11	25	35
8870	23	14	-7	-42	-45	-49	-53	-53	-55	-52
8880	-49	-50	-54	-66	-71	-63	-62	-24	37	93
8890	142	159	172	191	190	184	161	119	87	64
8900	55	43	37	32	29	-23	-77	-90	-115	-112
8910	-99	-96	-54	-43	14	9	5	-7	-10	-13
8920	-17	8	58	94	113	131	138	145	147	146
8930	134	108	105	98	79	81	89	102	124	123
8940	114	109	108	103	96	85	70	64	55	42
8950	-21	-36	-49	-60	-54	-60	6	18	33	46
8960	61	82	114	156	161	164	149	96	-29	-70
8970	-134	-172	-214	-240	-250	-257	-263	-272	-292	-307
8980	-304	-245	-192	-125	-72	-27	22	38	51	64
8990	75	87	90	94	97	97	83	38	-7	-48

END

S-241 MURORAN-S 1968-05-16-19-39

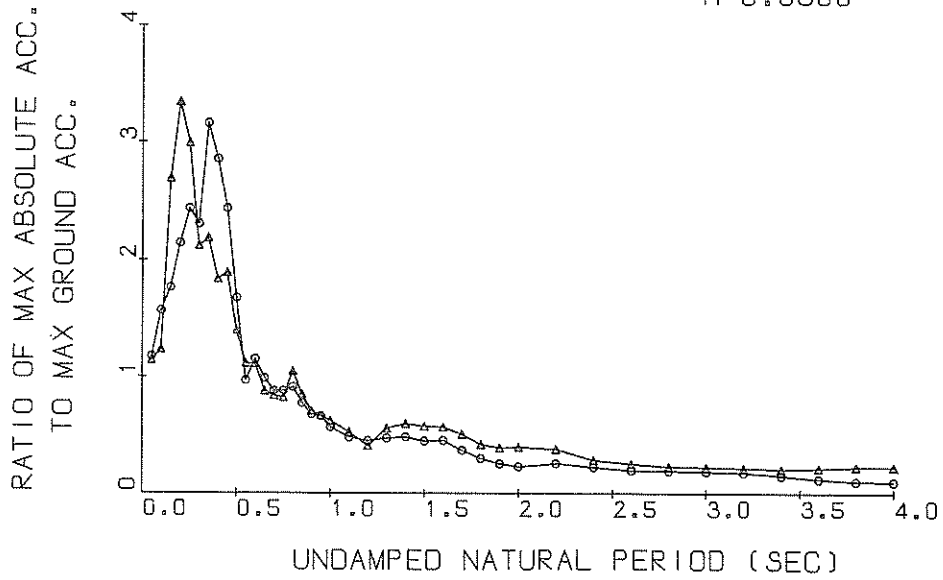


S-241 MURORAN-S 1968-05-16-19-39



S-241 MURORAN-S
1968-05-16-19-39

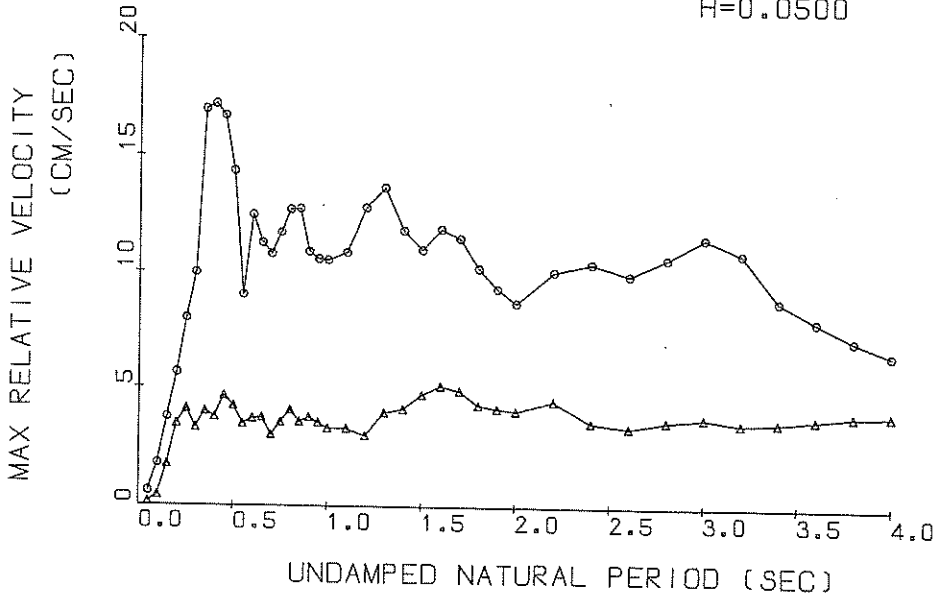
○ N-S
▲ U-D
H=0.0500



Response Spectra

S-241 MURORAN-S
1968-05-16-19-39

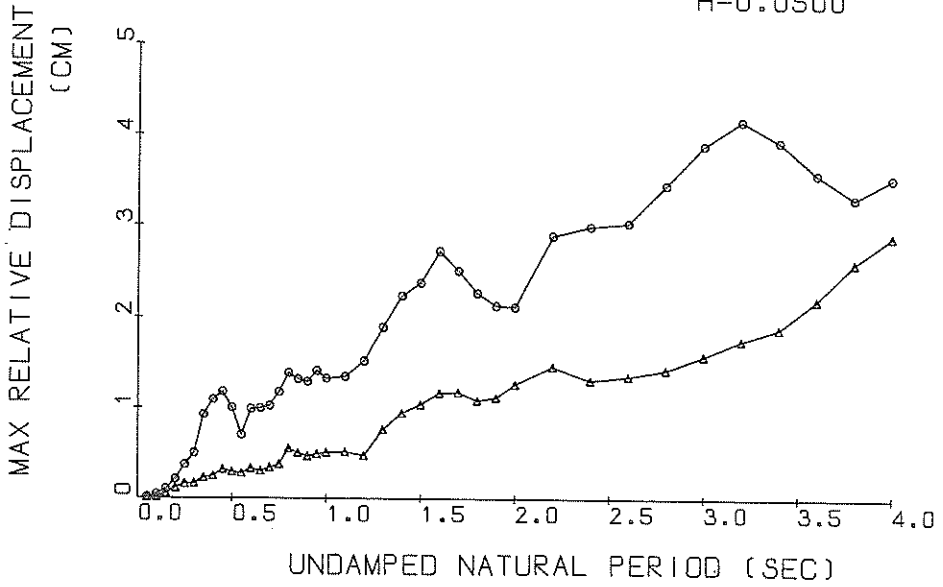
○ N-S
▲ U-D
H=0.0500



Response Spectra

S-241 MURORAN-S
 1968-05-16-19-39

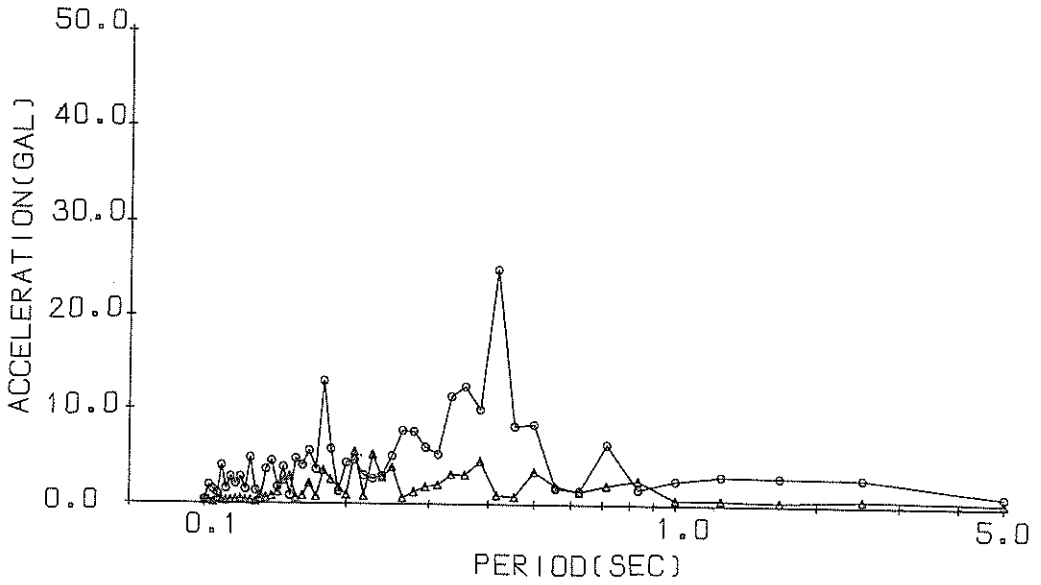
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-241

○ N-S TSK=20.00 TUS=5.00
 △ U-D TSK=20.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-241
 DATE AND TIME = 1968-05-16-19-39
 TIME LENGTH = 40.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR. ACC.
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 0. (SEC)

CORRECTION = ARC. ERR.
 MAX. GROUND ACC. = 32.49 (GAL)

STATION = MURORAN-S

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	101.3	0.70	0.006	35.7	0.13	0.002	37.2	0.12	0.002	36.5	0.12	0.002	34.1	0.09	0.002
0.10	110.0	1.55	0.028	44.0	0.50	0.011	40.1	0.42	0.010	36.9	0.38	0.009	36.2	0.33	0.009
0.15	358.3	8.46	0.204	117.5	2.41	0.067	87.5	1.74	0.050	61.2	1.14	0.035	47.6	0.79	0.026
0.20	306.0	9.71	0.310	141.5	4.45	0.144	108.5	3.48	0.110	85.6	2.52	0.085	56.4	1.50	0.052
0.25	353.8	14.31	0.560	130.0	5.48	0.207	97.2	4.10	0.154	70.1	2.91	0.109	48.3	1.74	0.067
0.30	232.9	10.88	0.531	94.5	4.62	0.216	69.0	3.31	0.157	53.1	2.32	0.119	36.2	1.64	0.072
0.35	249.5	13.59	0.774	94.8	5.44	0.294	71.1	4.01	0.220	50.3	2.87	0.153	30.3	1.68	0.085
0.40	260.4	16.31	1.055	80.0	5.25	0.324	59.8	3.75	0.241	45.1	2.89	0.179	29.6	1.78	0.108
0.45	225.8	15.95	1.158	85.8	6.33	0.440	61.6	4.64	0.315	41.4	3.10	0.207	27.0	1.81	0.124
0.50	102.9	7.96	0.652	61.1	5.28	0.386	45.6	4.22	0.287	32.9	3.15	0.204	23.4	1.94	0.132
0.55	90.4	7.55	0.693	48.3	4.40	0.370	36.3	3.47	0.277	27.1	2.72	0.204	20.1	1.89	0.137
0.60	79.7	7.77	0.727	45.3	4.43	0.412	36.2	3.69	0.328	24.5	2.47	0.217	17.2	1.78	0.139
0.65	93.1	9.43	0.996	37.4	4.76	0.399	28.4	3.74	0.302	20.2	2.68	0.209	16.0	1.63	0.146
0.70	83.9	6.92	0.793	36.9	4.16	0.457	27.1	3.02	0.336	19.9	2.51	0.240	16.0	1.68	0.169
0.75	60.4	9.79	1.203	34.3	4.46	0.488	26.7	3.55	0.377	19.6	2.63	0.273	16.4	1.69	0.196
0.80	77.5	9.71	1.257	45.7	5.69	0.741	34.1	4.07	0.548	23.5	2.80	0.369	16.4	1.77	0.219
0.85	41.9	5.72	0.766	33.5	4.46	0.612	27.4	3.57	0.498	21.2	2.64	0.373	15.7	1.86	0.230
0.90	63.9	9.42	1.311	28.7	4.78	0.588	22.7	3.75	0.463	17.8	2.67	0.353	14.5	1.90	0.232
0.95	81.2	12.58	1.856	28.4	4.97	0.648	21.5	3.53	0.489	16.1	2.61	0.354	13.2	1.90	0.238
1.00	73.4	12.36	1.859	26.5	4.49	0.671	20.0	3.30	0.505	14.8	2.44	0.367	12.2	1.87	0.248
1.10	53.7	10.21	1.646	23.1	4.38	0.708	16.9	3.29	0.514	11.8	2.47	0.356	10.7	1.83	0.260
1.20	36.1	6.66	1.318	16.5	3.22	0.601	13.0	2.98	0.469	11.3	2.71	0.399	9.8	1.88	0.305
1.30	35.6	7.01	1.523	21.8	4.63	0.931	17.9	3.97	0.761	13.3	3.05	0.557	9.6	1.89	0.347
1.40	49.9	10.72	2.478	24.5	5.52	1.213	19.2	4.12	0.949	14.4	2.90	0.699	8.1	1.90	0.391
1.50	41.2	9.53	2.347	23.9	5.93	1.359	18.5	4.70	1.047	13.6	3.37	0.744	8.8	2.13	0.421
1.60	43.1	10.89	2.797	24.4	6.63	1.581	18.3	5.08	1.177	12.7	3.46	0.795	8.2	2.24	0.424
1.70	45.1	12.61	3.300	24.3	6.88	1.776	16.2	4.89	1.181	10.5	3.64	0.754	7.7	2.30	0.452
1.80	28.8	8.81	2.360	16.4	4.90	1.344	13.4	4.30	1.093	10.0	3.43	0.775	7.5	2.39	0.471
1.90	36.1	10.96	3.302	16.4	5.27	1.500	12.4	4.15	1.126	9.5	3.39	0.838	7.2	2.41	0.499
2.00	20.5	6.59	2.092	14.8	5.00	1.500	12.6	4.05	1.273	9.5	3.23	0.933	6.8	2.38	0.556
2.20	20.6	7.50	2.527	14.5	5.18	1.777	12.1	4.46	1.475	9.4	3.59	1.119	6.3	2.33	0.658
2.40	9.8	4.18	1.426	9.6	3.60	1.393	9.2	3.57	1.322	8.1	3.30	1.137	6.0	2.37	0.748
2.60	9.4	3.71	1.607	8.7	3.54	1.494	8.0	3.68	1.368	6.9	3.06	1.134	5.8	2.28	0.842
2.80	13.4	6.39	2.652	8.9	4.12	1.762	7.3	3.64	1.443	5.9	3.04	1.133	5.6	2.41	0.944
3.00	12.4	6.18	2.825	8.5	4.37	1.935	7.1	3.79	1.596	5.7	3.18	1.256	5.5	2.51	1.051
3.20	8.3	4.39	2.151	7.6	3.76	1.954	6.9	3.54	1.765	5.8	3.22	1.445	5.3	2.67	1.158
3.40	7.9	3.94	2.304	7.2	3.73	2.093	6.5	3.61	1.896	5.5	3.33	1.581	5.2	2.60	1.266
3.60	8.3	4.06	2.728	7.5	3.91	2.451	6.2	3.76	2.210	5.8	3.45	1.845	5.0	2.67	1.375
3.80	9.0	4.64	3.282	8.0	4.15	2.913	7.2	3.91	2.616	6.1	3.53	2.177	5.0	2.67	1.518
4.00	10.6	6.07	4.284	8.1	4.67	3.270	7.3	3.96	2.909	6.1	3.54	2.398	4.8	2.73	1.656

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD # 5-241 COMPONENT = U-D STATION = MURRAW-S
 DATE AND TIME = 1968-05-16-19-39 TOTAL NUMBER OF DATA = 5600
 SAMPLING INTERVAL = 0.10 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	15	-15	15	24	33	-24	-26	-35	-37	-36
10	34	17	17	14	14	3	9	-6	-6	-6
20	35	-47	-37	-25	-18	-19	-16	4	7	25
30	25	4	-6	4	4	5	4	4	5	5
40	6	-55	-43	4	20	33	24	17	5	-8
50	5	-5	-59	-34	-37	-36	-37	-23	-23	-23
60	38	48	66	66	65	58	57	54	33	33
70	28	9	-14	-29	-39	-44	-43	-35	-30	-33
80	-25	-13	5	14	14	17	17	17	16	16
90	4	-4	-15	-16	-9	-9	-16	-13	-7	-7
100	-6	-5	4	14	4	5	5	8	9	15
110	14	4	-10	-27	-27	-30	-33	-28	-29	-36
120	-26	9	7	15	15	14	15	14	14	14
130	9	8	5	4	-5	4	4	9	15	24
140	24	28	35	35	28	27	25	-5	-27	-44
150	-36	-29	-19	-7	-8	-9	-10	-18	-27	-34
160	-56	-37	-44	-44	-43	-26	-13	-6	-5	9
170	17	18	24	13	7	4	4	4	4	4
180	-27	-39	-50	-57	-54	-54	-43	-6	-6	-6
190	14	25	28	39	43	33	6	-6	-6	-6
200	-16	-27	-37	-50	-53	-44	-36	-23	-18	-9
210	5	8	9	8	6	4	4	-6	-3	5
220	7	15	15	16	13	7	7	-7	-16	-16
230	-26	-34	-33	-25	-19	-25	-18	-16	-26	-15
240	-6	7	14	24	4	4	-9	-9	-16	-17
250	-16	-13	-6	4	-5	0	5	5	3	-6
260	-9	-16	-16	-16	-18	-18	-24	-30	-36	-44
270	-44	-43	-36	-28	-14	7	14	6	-6	-6
280	-9	-14	-26	-33	-25	-13	-7	-5	-5	6
290	18	34	47	65	57	46	33	23	14	4
300	0	-6	-6	-5	3	-7	-16	-16	-15	-8
310	34	24	-4	-35	-37	-44	-45	-45	-44	-44
320	-16	-4	8	17	25	25	26	25	17	14
330	-3	-27	-47	-55	-64	-75	-76	-78	-77	-73
340	-66	-59	-54	-44	-44	-36	-15	5	15	33
350	28	27	25	27	25	37	28	25	17	17
360	13	17	16	6	6	-4	-8	-37	-43	-34
370	38	-29	-30	-44	-43	-34	-36	-33	-29	-24
380	-35	-24	-24	-23	-17	-17	-15	-16	-15	-7
390	-4	15	25	27	27	25	15	-6	-25	-37
400	-46	-43	-25	-6	4	5	15	15	17	14
410	16	-8	-17	-26	-37	-44	-44	-33	-24	-24
420	-16	-6	-6	-3	3	-6	5	5	15	15
430	-16	24	25	26	14	14	14	7	15	18
440	20	15	14	-26	-24	-50	-55	-54	-66	-44
450	-34	-36	-23	-16	-23	-19	-14	15	17	24
460	40	-38	-47	-65	-47	-65	-64	-54	-44	-36
470	-24	-16	-4	8	19	36	44	36	28	24
480	13	-6	4	3	-14	-29	-35	-27	-24	-24
490	-15	-8	-6	-16	-8	-16	-16	-15	-13	5

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-241 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-13	-23	-31	-35	-32	-13	0	-1	-10	-10
1060	-14	-53	1	3	14	29	22	24	23	19
1070	20	3	-11	-12	-11	-10	0	11	14	0
1080	-10	20	-15	-11	8	19	30	21	18	19
1090	12	12	20	20	20	30	22	10	0	-23
1100	-8	12	-30	-80	-105	-111	-130	-83	-21	-13
1110	12	20	31	31	30	31	30	29	20	13
1120	10	0	-8	-18	-30	31	-28	-30	-41	-40
1130	-39	-30	-31	-40	-51	-61	-70	-10	-11	28
1140	34	11	34	33	31	23	21	1	10	-21
1150	31	-38	-51	-48	-40	-41	-22	-9	22	34
1160	41	45	60	60	54	54	62	54	51	54
1170	41	170	41	52	42	23	13	4	-11	-38
1180	-62	-89	-99	-98	-89	-83	-78	-52	0	72
1190	90	94	74	81	62	51	42	30	22	10
1200	-30	-62	-79	-89	-102	-89	-83	-67	-51	-53
1210	-67	-67	-70	-78	-67	-61	-29	-19	-9	-9
1220	3	42	54	65	61	52	32	11	-19	-37
1230	-47	-57	-57	-58	-48	-38	-29	-19	-23	-37
1240	-67	-9	-7	-7	-7	-7	-19	-19	-20	-17
1250	-9	-9	1	3	4	12	2	-1	-13	2
1260	-19	24	25	32	42	43	32	23	11	3
1270	2	-12	-22	-13	-19	-11	-3	1	12	14
1280	1	-12	-22	-13	-19	-11	-3	1	14	22
1290	32	25	24	11	5	3	14	14	22	25
1300	32	35	31	26	24	11	3	-18	-36	-77
1310	32	106	-100	-97	-97	-100	-97	-96	-87	-77
1320	-67	-60	-51	-36	-19	-11	-7	-10	-6	-18
1330	-67	-54	-48	-48	-36	-30	-20	-19	-7	3
1340	-46	24	43	56	64	64	56	45	43	25
1350	4	-6	-32	-46	-56	-56	-51	-37	-19	11
1360	24	-6	-32	-46	-56	-56	-51	-37	-19	11
1370	22	25	35	36	27	14	3	40	47	24
1380	-77	-67	-48	-8	25	42	44	47	24	36
1390	33	35	31	23	25	21	24	14	2	3
1400	3	1	-11	-8	3	3	3	3	3	3
1410	-19	-18	-7	-2	-6	-9	-18	-26	-27	-28
1420	-28	-19	-17	-17	-11	-10	-9	-7	-11	-18
1430	-30	-39	-37	-32	-36	-36	-27	-18	3	4
1440	-7	-9	-7	-37	-50	-66	-67	-67	-66	-65
1450	-61	-56	-52	-55	-57	-65	-65	-65	-65	-65
1460	-25	-15	23	23	43	45	64	64	84	102
1470	35	84	63	63	61	34	13	-19	-26	-30
1480	-36	-50	-67	-77	-81	81	-16	-75	-69	-37
1490	26	35	32	32	23	34	32	24	3	-36
1500	-49	-51	-60	-66	-55	-45	-35	-18	-15	-7
1510	-17	-15	-7	-8	-2	-8	-6	-11	-8	-2
1520	-40	-38	-20	-16	-19	-27	-16	-7	14	23
1530	34	35	22	22	25	22	23	12	5	3
1540	2	8	3	2	7	2	7	2	3	6
1550	2	8	3	2	7	2	7	2	3	6
1560	2	8	3	2	7	2	7	2	3	6
1570	2	8	3	2	7	2	7	2	3	6
1580	-27	-27	-27	-27	-27	-27	-27	-27	-27	-27

TO BE CONTINUED

CONTINUED (S-241 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	122	126	104	104	73	26	-12	-36	-49	-68
1600	-75	-69	-78	-76	-76	-76	-75	-70	-66	-71
1610	-65	-42	-27	-16	-17	-17	-36	-46	-46	-31
1620	-31	-42	-49	-57	-57	-38	-38	-38	-18	-12
1630	-11	-17	-20	-27	-32	-39	-39	-38	-27	-28
1640	-28	-48	-48	-56	-56	-56	-60	-60	-60	-58
1650	-19	24	45	66	72	64	64	56	53	44
1660	33	11	6	2	9	-21	-21	-50	-57	-60
1670	-67	-79	-83	-76	-66	-56	-56	-48	-49	-52
1680	-50	-48	-48	-52	-50	-67	-67	-81	-98	-106
1690	-103	-106	-76	-97	-97	-26	-8	15	17	32
1700	24	13	1	-21	-21	-37	-43	-57	-90	-112
1710	-113	-110	-109	-106	-106	-99	-97	-92	-87	-56
1720	-3	20	40	43	34	35	34	35	31	31
1730	1	-19	-19	-18	2	10	21	30	23	14
1740	13	20	26	31	15	12	12	3	-12	-19
1750	-31	-38	-37	-33	-22	-20	-10	0	25	25
1760	42	51	64	72	74	71	71	61	43	25
1770	-9	-29	-29	-29	-29	-7	-26	-30	30	84
1780	93	91	63	34	2	-38	-68	-99	-129	-121
1790	-193	-87	-69	-19	72	83	100	122	130	130
1800	131	120	119	117	21	10	-10	-31	-48	-54
1810	-53	-54	-58	-58	-58	-33	-4	41	81	89
1820	89	90	91	89	83	29	10	-10	-32	-120
1830	-141	-150	-140	-129	-91	-29	0	31	42	41
1840	19	-13	-51	-51	-79	-100	-142	-162	-160	-147
1850	-119	-109	-89	-58	19	43	124	151	164	173
1860	161	149	129	99	73	43	11	-48	-54	-102
1870	-141	-139	-152	-150	-143	-128	-129	-100	-79	-81
1880	-70	-81	-82	-82	-80	-90	-73	-49	-28	-28
1890	-4	-10	-42	64	92	141	162	194	203	187
1900	137	103	65	0	-22	-69	-99	-131	-170	-169
1910	-173	-170	-171	-166	-122	-72	4	39	74	91
1920	88	79	50	23	0	-20	-39	-41	-59	-72
1930	-80	-73	-75	-73	-81	-89	-101	-99	-80	-80
1940	-71	-69	-91	-91	-91	-89	-91	-89	-89	94
1950	99	94	90	90	83	70	62	32	-1	-22
1960	-49	-61	-81	-91	-69	-49	-14	14	59	70
1970	70	61	50	43	50	51	41	33	23	23
1980	12	-42	-42	-70	-93	-112	-132	-141	-140	-132
1990	-119	-91	-59	-22	39	52	60	40	19	50
2000	0	-43	-70	-94	-102	-120	-113	-105	-73	-50
2010	-25	-19	-14	-11	-1	2	-81	-141	-180	-180
2020	-180	-173	-151	-127	-19	33	83	100	89	89
2030	80	43	11	-29	-41	-4	-15	11	49	49
2040	100	162	178	168	148	92	59	13	-23	-23
2050	-65	-71	-151	-174	-184	-182	-178	-130	-111	-82
2060	-69	-62	-60	-39	-33	-14	-10	-10	-22	-22
2070	41	67	23	-21	-32	-82	-122	-161	-159	-141
2080	-130	-130	-63	-29	19	81	143	170	179	180
2090	150	139	126	-20	-19	-73	-219	-219	-221	-228
2100	-221	-197	-185	-149	-119	-73	-53	-22	-22	-23
2110	-13	-20	-31	-20	0	9	0	11	1	1
2120	20	34	44	39	56	101	110	122	143	143

TO BE CONTINUED

CONTINUED(S-241 U-D)

CONTINUED(S-241 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	153	130	132	100	63	30	1	-30	-71	-142
2140	-169	-169	-47	-137	-129	-88	-88	-89	-89	-87
2150	-60	-60	71	34	71	83	63	82	83	83
2160	71	52	13	-32	-73	-161	-180	-179	-179	-168
2170	-139	-116	-78	-37	-11	-19	-33	-51	-68	-51
2180	-87	-98	-121	-137	-131	-86	-66	-39	-11	-50
2190	21	94	153	171	176	165	150	170	71	50
2200	4	-29	-104	-148	-157	-159	-139	-109	-89	-38
2210	13	13	12	3	11	20	23	10	-19	-19
2220	-33	-49	-65	-77	-70	-70	-58	-49	-38	-33
2230	-29	-37	-29	-23	-9	-11	-9	-9	3	13
2240	23	20	20	3	-9	-30	-67	-98	-109	-130
2250	-150	-157	-170	-170	-180	-190	-191	-196	-183	-188
2260	-166	-147	-97	-31	156	177	203	209	192	192
2270	169	131	96	81	52	2	-45	-48	-51	-62
2280	-43	-47	-38	-18	-9	4	2	3	3	10
2290	1	-8	4	12	3	0	7	-9	-9	-9
2300	-7	-18	-32	-70	-78	-87	-98	-109	-101	-88
2310	-38	-9	10	1	12	52	74	96	102	90
2320	80	54	22	-13	-47	-78	-101	-139	-160	-160
2330	-166	-149	-117	-77	31	75	105	131	151	145
2340	141	121	92	50	-30	-151	-192	-223	-264	-291
2350	-312	-324	-307	-269	-155	-48	41	126	155	195
2360	202	192	178	151	130	102	52	-17	-91	-130
2370	-151	-170	-170	-148	-116	-63	-70	-58	-81	-103
2380	109	103	85	52	-11	-59	-70	-98	-109	-109
2390	-110	-79	-47	-9	30	34	30	22	3	11
2400	-18	-19	-11	-17	3	16	42	71	95	93
2410	83	62	22	-27	-74	-118	-129	-140	-136	-106
2420	-53	-47	-37	-11	12	21	24	32	24	25
2430	13	13	12	12	6	14	13	11	17	15
2440	4	-12	-36	-60	-93	-130	-147	-174	-203	-231
2450	-236	-237	-222	-174	-138	-102	-68	-69	-59	-28
2460	6	36	72	92	118	143	142	142	132	116
2470	83	63	66	56	55	43	35	22	15	22
2480	55	66	53	34	17	-45	-78	-98	-129	-158
2490	-182	-196	-209	-195	-168	-132	-54	-9	7	44
2500	57	73	64	76	83	67	57	37	6	6
2510	-8	-20	-26	-27	-24	-8	4	13	7	7
2520	35	25	9	-6	-26	-54	-77	-85	-76	-74
2530	35	25	9	-6	-26	-54	-77	-85	-76	-74
2540	-63	-55	-43	-43	-65	-65	-67	-47	-34	-25
2550	-15	-23	-39	-74	-98	-120	-136	-145	-164	-154
2560	-144	-135	-115	-103	-56	6	86	125	140	155
2570	33	96	82	22	-52	-53	-92	-103	-107	-112
2580	-111	-110	-83	-44	26	96	96	106	107	94
2590	65	28	-11	-45	-67	-81	-84	-85	-53	8
2600	47	86	112	127	147	141	125	95	77	47
2610	6	-47	-134	-185	-203	-204	-200	-191	-192	-180
2620	-173	-160	-131	-111	-52	42	68	97	118	6
2630	147	168	170	169	157	146	116	83	62	28
2640	-15	-14	-35	-22	-13	-4	-2	-13	-15	-4
2650	-15	-5	-3	2	-2	-4	-12	-16	-22	-4
2660	6	35	52	78	85	88	94	106	106	106

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-241 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	-48	-38	-27	-28	-26	-26	-26	-20	-28	-22
3220	-20	-20	-32	-28	-27	-22	-22	-16	-17	-10
3230	-9	-6	-9	-9	-6	1	0	3	7	13
3240	22	22	29	30	21	11	11	-2	-7	-17
3250	30	47	59	59	-51	-38	-31	-20	-7	-3
3260	30	48	30	52	62	62	71	79	61	62
3270	50	48	39	31	18	-8	-11	-9	0	-3
3280	-7	-7	-10	-9	-9	-12	-9	-9	13	-17
3290	-17	-17	-28	-31	-39	-52	-54	-30	-34	-48
3300	5	27	22	4	9	35	31	31	30	19
3310	3310	5	28	-4	9	60	-62	-58	-50	-52
3320	-50	-50	-50	-42	-42	-44	-44	-29	-18	-10
3330	-4	0	0	0	-11	-12	-19	-29	-31	-22
3340	-22	-2	11	8	30	18	29	19	20	14
3350	18	23	48	46	37	45	45	46	46	46
3360	29	8	23	-40	-61	-71	-81	-81	-80	-82
3370	-85	-89	-89	-81	-80	-52	-30	-21	-21	-23
3380	-30	-21	-20	-9	-1	-10	-12	-19	-30	-42
3390	-50	-51	-51	-51	-49	-40	-39	-35	-20	0
3400	14	19	19	9	5	-10	-32	-40	-40	-40
3410	-40	-32	-29	-9	8	26	28	31	30	28
3420	39	38	40	31	25	29	19	5	-9	-21
3430	-31	-28	-22	-32	-31	-29	-29	-32	-31	-29
3440	-22	-12	-12	-14	-20	-24	-71	-80	-80	-80
3450	-81	-71	-61	-39	-18	38	57	80	127	141
3460	146	148	139	126	107	79	50	29	-4	-11
3470	-21	-14	-18	-20	-9	-10	0	-4	-8	1
3480	10	10	9	0	0	11	-9	-11	-2	0
3490	0	-4	-11	-11	-20	-24	-28	-39	-41	-51
3500	-60	-63	-68	-79	-78	-77	-67	-47	-23	18
3510	29	40	49	59	61	62	61	51	28	6
3520	0	0	-1	-7	-20	-27	-27	-29	-29	-28
3530	-39	-58	-140	-139	-128	-119	-128	-133	-139	-139
3540	8	9	11	11	10	20	39	62	62	62
3550	8	9	11	11	10	20	39	62	62	62
3560	8	9	11	11	10	20	39	62	62	62
3570	61	60	58	56	40	21	9	-2	-10	-50
3580	-71	-83	-100	-100	-108	-110	-119	-118	-109	-80
3590	-50	-21	0	9	2	0	-10	-17	-21	-9
3600	6	20	11	20	21	18	18	30	41	50
3610	52	65	72	90	95	91	87	70	38	9
3620	-19	-31	-50	-50	-39	-20	1	29	38	39
3630	40	38	30	20	-1	-18	-22	-48	-71	-93
3640	-104	-111	-109	-93	-82	-70	-60	-68	-61	-80
3650	50	47	46	28	0	-39	-60	-68	-39	-39
3660	-81	-82	-80	-72	-68	-62	-62	-48	-39	30
3670	22	34	-1	10	20	29	18	25	30	29
3680	29	39	39	46	37	38	37	38	34	29
3690	15	14	7	8	8	8	8	8	0	-5
3700	-22	-22	-21	-31	-32	-41	-41	-51	-49	-51
3710	-51	-49	-49	-50	-71	-1	-5	-19	-20	-33
3720	-39	-50	-53	-60	-72	-63	-72	-63	-60	-60
3730	-50	-45	-51	-62	-62	-80	-70	-92	-89	-89
3740	-85	-79	-71	-63	-51	-34	-31	-31	-30	-24

TO BE CONTINUED

CONTINUED(S-241 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3750	-23	-12	3	18	33	38	44	43	38	46
3760	36	-16	29	33	26	25	17	13	7	-6
3770	-14	-13	-15	-20	-13	-18	-10	-2	6	17
3780	26	28	33	26	29	28	33	37	45	49
3790	-17	43	-49	35	-38	0	13	17	-4	-1
3800	-1	-42	-49	-41	-38	0	14	18	14	-4
3810	0	9	0	-1	-30	-49	-52	-62	-60	-53
3820	-60	-40	-31	-31	-33	-32	-35	-40	-40	-41
3830	-52	-53	-50	-50	-51	-50	-48	-40	-35	-41
3840	-39	-41	-39	-39	-39	-30	-22	-21	-12	-1
3850	-14	8	5	-21	-21	-11	-12	-8	-14	-19
3860	-20	-22	0	-2	0	40	55	61	68	68
3870	68	0	0	58	39	19	53	54	48	-69
3880	-1	-58	-19	-49	-49	-40	-31	-22	-11	-4
3890	-6	-18	-23	-34	-51	-63	-70	-80	-88	-99
3900	-6	-38	-48	-74	-80	-73	-53	-11	20	38
3910	-67	-38	-37	-74	-80	-73	-53	-11	20	38
3920	-39	-38	-37	-74	-80	-73	-53	-11	20	38
3930	-40	-39	-37	-74	-80	-73	-53	-11	20	38
3940	42	-1	1	-28	-19	0	-17	-31	-40	-41
3950	0	-9	-10	0	0	10	-17	-31	-40	-41
3960	-21	-9	-10	1	8	11	22	52	82	78
3970	109	9	109	0	81	70	62	48	31	16
3980	-33	-77	-58	-18	-30	-27	-28	-21	-28	-31
3990	-57	-70	-58	-77	-39	-38	-30	-30	-38	-47
4000	-57	-70	-58	-77	-39	-38	-30	-30	-38	-47
4010	-57	-70	-58	-77	-39	-38	-30	-30	-38	-47
4020	-18	-67	-67	-60	-51	-53	-40	-28	-28	-50
4030	10	46	47	20	20	21	29	31	30	36
4040	10	46	47	20	20	21	29	31	30	36
4050	42	51	71	-10	-31	-37	-21	-17	-8	12
4060	9	1	-1	-6	0	0	0	0	0	0
4070	9	1	-1	-6	0	0	0	0	0	0
4080	7	12	-11	-22	-26	-27	-27	-23	-11	-7
4090	-28	-30	-30	-22	-26	-27	-27	-23	-11	-7
4100	-28	-30	-30	-22	-26	-27	-27	-23	-11	-7
4110	-28	-30	-30	-22	-26	-27	-27	-23	-11	-7
4120	-28	-30	-30	-22	-26	-27	-27	-23	-11	-7
4130	-48	-72	-17	13	15	16	18	-8	-8	-2
4140	-48	-72	-17	13	15	16	18	-8	-8	-2
4150	-97	-49	-37	-138	-138	-137	-127	-126	-120	-107
4160	-42	-29	-29	-17	-138	-137	-127	-126	-120	-107
4170	17	12	10	23	29	31	31	21	23	19
4180	12	12	10	23	29	31	31	21	23	19
4190	-9	-9	-9	-1	-9	-9	-9	-9	-9	-9
4200	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4210	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4220	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4230	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4240	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4250	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4260	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4270	-17	-20	-17	-42	-46	-49	-49	-49	-49	-49
4280	-21	-20	-20	-30	-28	-26	-17	-7	-1	-13

TO BE CONTINUED

CONTINUED(S-241 U-D)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	40	54	58	63	61	63	61	51	30	-7
4300	-30	-57	-70	-88	-74	-70	-74	-88	-38	-28
4310	-11	0	10	12	22	22	22	13	2	2
4320	2	44	53	61	58	58	52	42	12	23
4330	34	44	54	61	58	58	52	42	12	23
4340	-18	-45	-45	-57	-47	-47	-47	-41	-35	-20
4350	21	18	13	9	14	14	22	-55	-68	-53
4360	-60	-57	-59	-47	-44	-48	-45	-45	-37	-30
4370	-30	-29	-37	-35	-37	-37	-29	-25	-27	-17
4380	-8	-8	-31	-18	-18	-18	-25	-38	-35	-29
4390	-47	-58	-48	-51	-56	-48	-55	-58	-52	-44
4400	13	21	32	42	42	42	59	52	44	44
4410	38	31	22	20	12	6	8	20	15	10
4420	-39	-17	-27	-26	-27	-26	-37	-36	-42	-28
4430	-37	-27	-19	-17	-17	-10	-10	-13	17	20
4440	0	-7	1	11	11	2	13	13	17	20
4450	0	11	3	-9	-20	-39	-39	-47	-49	-6
4460	20	11	3	-6	-20	-39	-39	-47	-49	-6
4470	-46	-38	-42	-36	-29	-27	-21	-27	-27	-27
4480	-31	-28	-27	-27	-20	-18	-12	-6	0	1
4490	11	11	11	-2	-2	-2	-19	-9	-9	-2
4500	-68	-62	-58	-48	-40	-37	-19	-17	-16	-8
4510	-48	-10	-17	-12	-10	-6	-6	-6	-6	-6
4520	-6	-12	-17	-19	-30	-37	-39	-47	-49	-6
4530	-49	-48	-38	-30	-30	-18	-30	-40	-40	-51
4540	-61	-61	-61	-60	-61	-61	-61	-61	-61	-61
4550	-38	-38	-47	-47	-47	-50	-47	-40	-40	-28
4560	-38	-27	-27	-28	-19	-19	-13	-6	0	0
4570	0	1	-9	0	0	-7	-9	-9	-2	0
4580	-19	-27	-39	-21	-23	-27	-21	-18	-17	-20
4590	-23	-31	-38	-30	-29	-28	-19	-11	-7	-7
4600	0	6	1	21	37	40	40	39	31	27
4610	2	10	20	10	22	22	32	41	47	47
4620	11	10	-9	-20	-22	-22	-32	-41	-47	-50
4630	-39	-31	-29	-20	-22	-22	-32	-41	-47	-50
4640	5	9	9	-4	-4	-4	-4	-4	-4	-4
4650	-32	-29	-32	-29	-30	-30	-30	-30	-30	-30
4660	-48	-12	-18	-21	-19	-18	-18	-18	-18	-18
4670	-40	-32	-30	-28	-22	-20	-20	-20	-20	-20
4680	-41	-50	-50	-52	-49	-49	-50	-50	-50	-50
4690	-32	-30	-32	-28	-28	-28	-28	-28	-28	-28
4700	-24	-22	-22	-31	-34	-33	-28	-28	-28	-28
4710	-39	-30	-30	-29	-28	-28	-28	-28	-28	-28
4720	-44	-50	-50	-52	-49	-49	-50	-50	-50	-50
4730	10	29	0	35	29	29	29	29	29	29
4740	4	0	-1	-2	-1	-1	-1	-1	-1	-1
4750	4	0	-2	-1	-1	-1	-1	-1	-1	-1
4760	-9	-2	-2	0	-4	-4	-6	-6	-6	-6
4770	-9	-12	-2	0	-6	-4	0	-2	-2	-2
4780	-20	-27	-32	-29	-29	-29	-30	-30	-30	-30
4790	-22	-27	-32	-29	-29	-29	-30	-30	-30	-30
4800	-21	-30	-24	-25	-22	-19	-12	-1	-1	-1
4810	6	-2	-2	-12	-20	-12	-4	-1	-1	-1
4820	-50	-50	-50	-45	-51	-42	-40	-30	-29	-29

TO BE CONTINUED

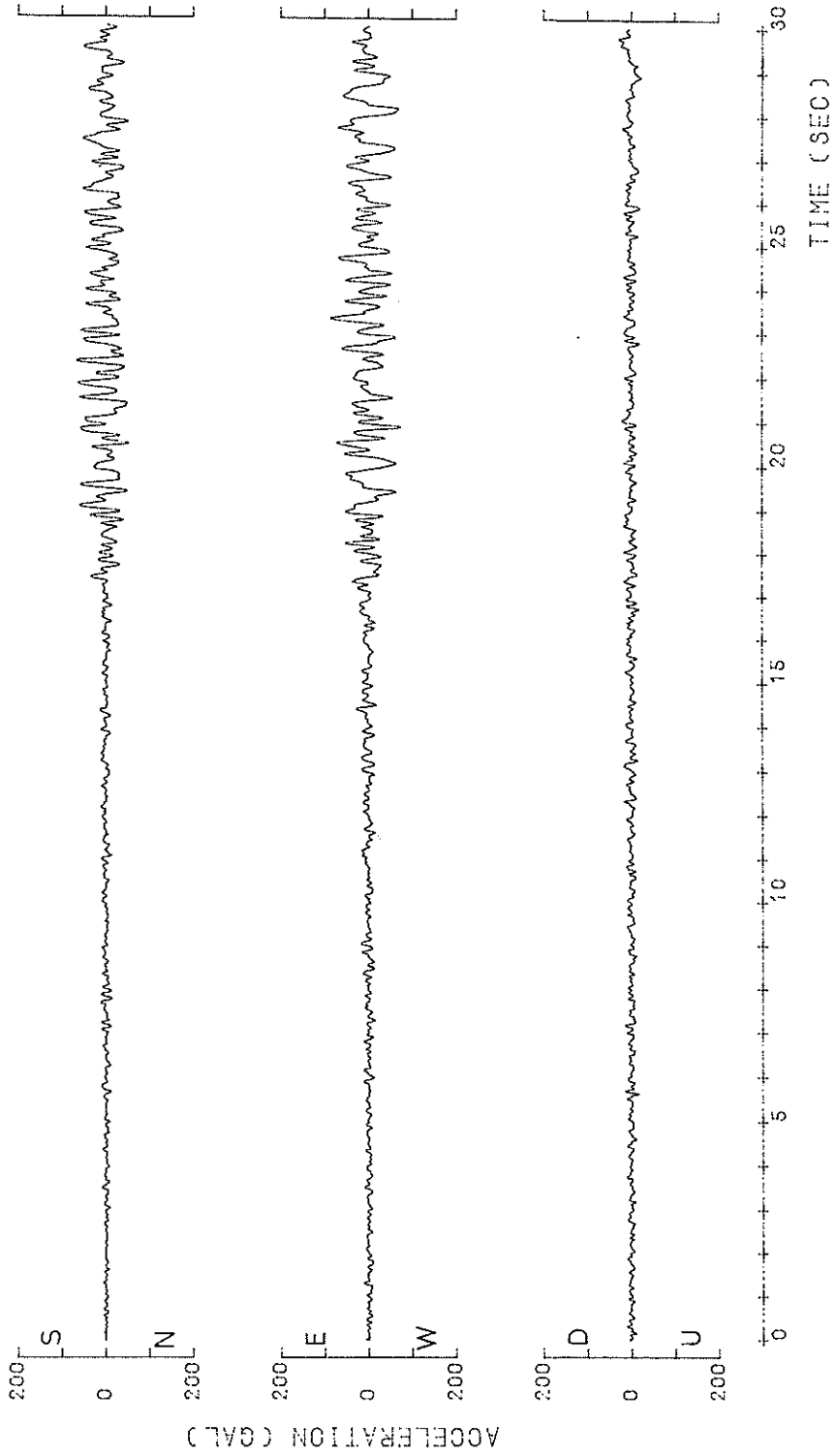
TO BE CONTINUED

CONTINUED(S-241 U-D)

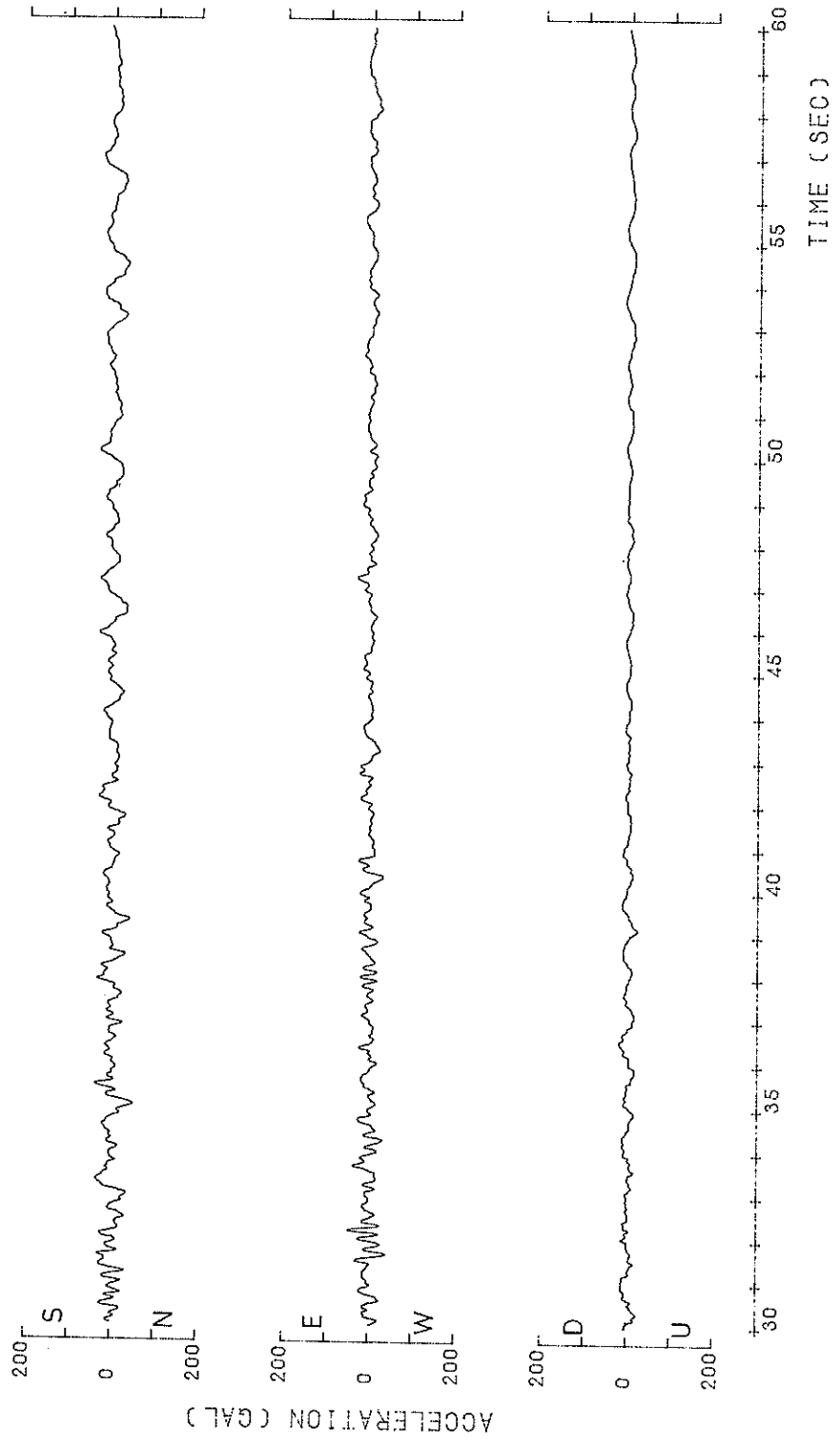
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	-7	-10	-15	-14	-18	-20	-24	-25	-25	-27
5380	-29	-30	-28	-25	-26	-26	-25	-24	-24	-24
5390	-14	-16	-8	-34	0	-24	-25	-14	-14	-15
5400	-19	-28	-35	-34	-34	-34	-37	-28	-18	-28
5410	-24	-18	-17	-37	-34	-34	-37	-28	-24	-28
5420	-14	-14	-14	-25	-18	-18	-24	-29	-24	-20
5430	-25	-25	-24	-30	-27	-38	-34	-30	-24	-24
5440	-25	-27	-25	-30	-17	-18	-34	-27	-14	-16
5450	-14	-10	-15	-14	-14	-14	-16	-25	-26	-26
5460	-27	-37	-44	-44	-44	-44	-46	-47	-44	-44
5470	-44	-34	-36	-39	-26	-24	-29	-28	-20	-31
5480	-35	-34	-36	-39	-37	-37	-36	-37	-28	-38
5490	-26	-31	-27	-36	-25	-37	-36	-28	-26	-26
5500	-27	-17	-17	-19	-19	-17	-17	-15	-10	-17
5510	-26	-18	-27	-29	-25	-26	-28	-25	-16	-16
5520	-9	-8	-8	-7	-7	-15	-25	-11	-14	-20
5530	-27	-27	-26	-29	-38	-37	-38	-38	-39	-39
5540	-39	-41	-45	-45	-47	-48	-48	-48	-47	-47
5550	-47	-37	-36	-27	-29	-29	-26	-18	-17	-25
5560	-26	-29	-38	-35	-35	-34	-26	-30	-27	-25
5570	-17	-21	-17	-18	-18	-14	-14	-25	-25	-24
5580	-36	-35	-44	-49	-34	-27	-34	-27	-26	-34
5590	-24	-29	-35	-34	-34	-34	-35	-39	-29	-29

END

S--264 AOMORI--S 1968--05--16--19--39

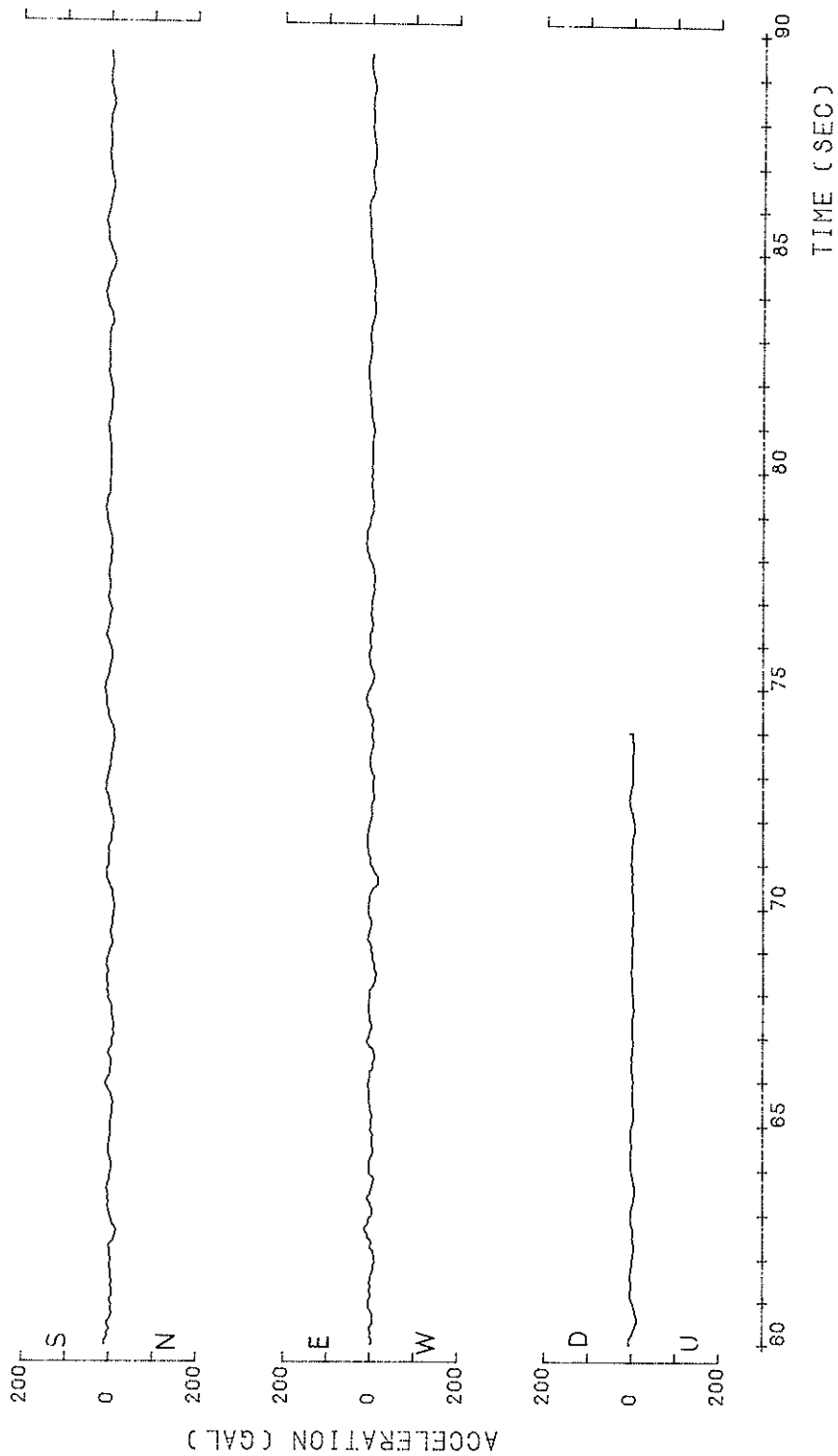


S-264 ACMORI-S 1968-05-16-19-39



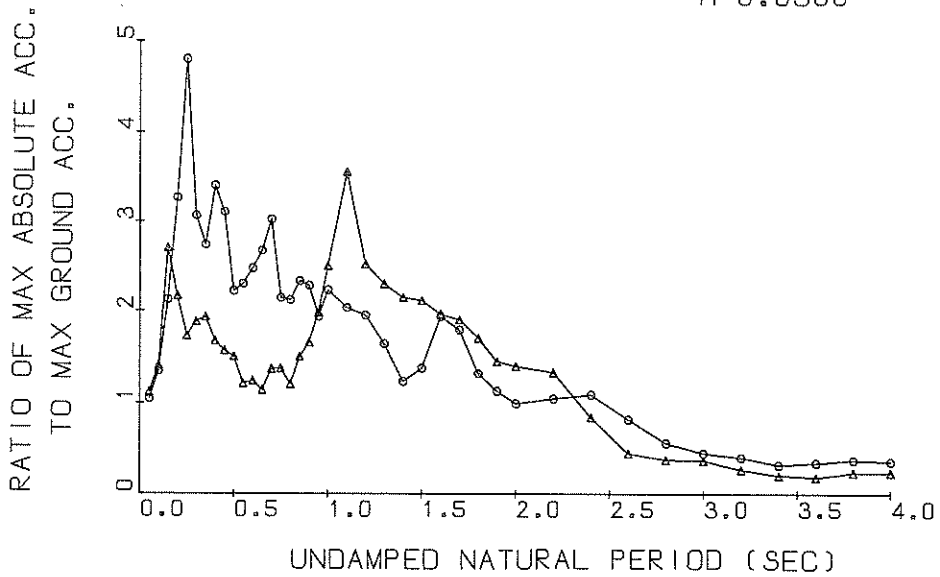
1968-05-16-19-39

S-264 AOMORI-S



S-264 AOMORI-S
1968-05-16-19-39

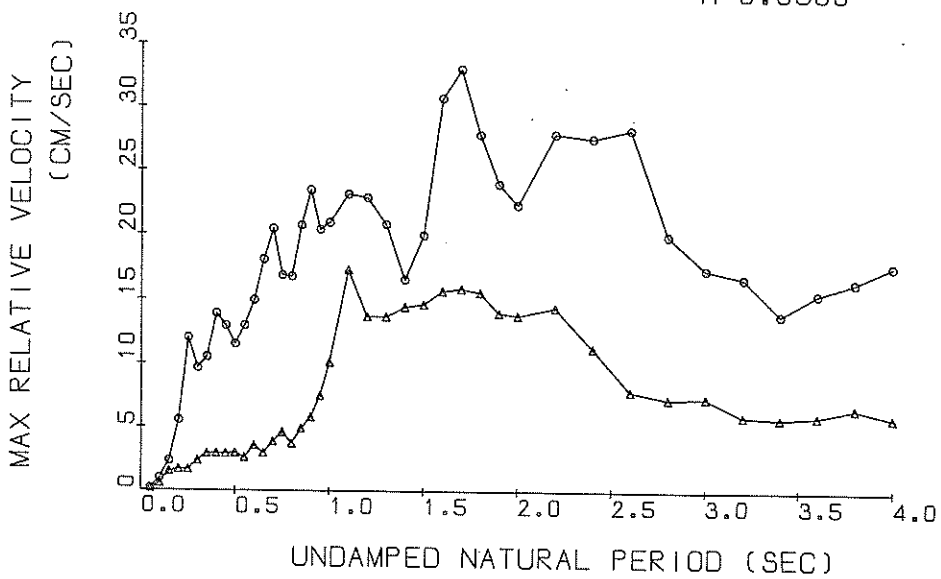
○ N-S
△ U-D
H=0.0500



Response Spectra

S-264 AOMORI-S
1968-05-16-19-39

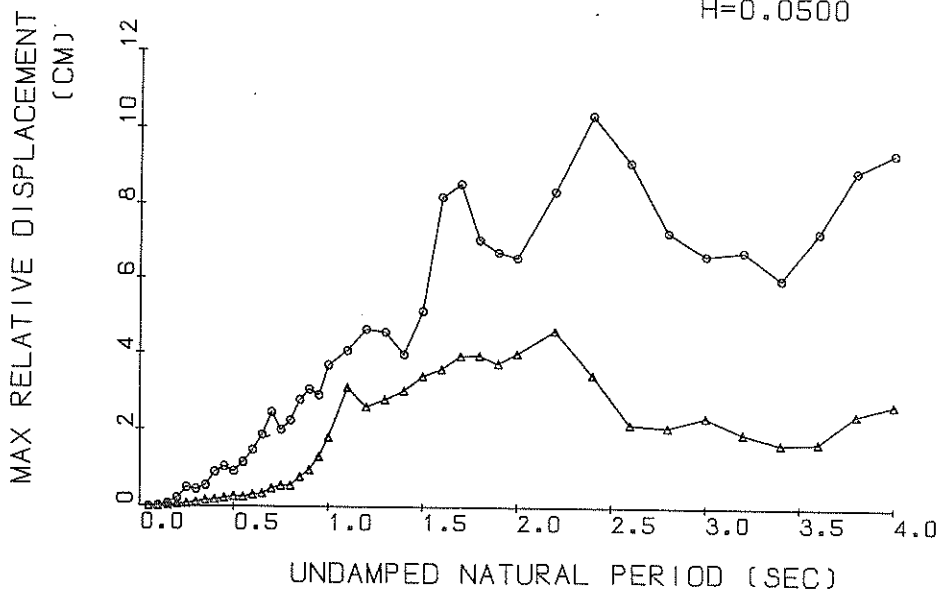
○ N-S
△ U-D
H=0.0500



Response Spectra

S-264 AOMORI-S
 1968-05-16-19-39

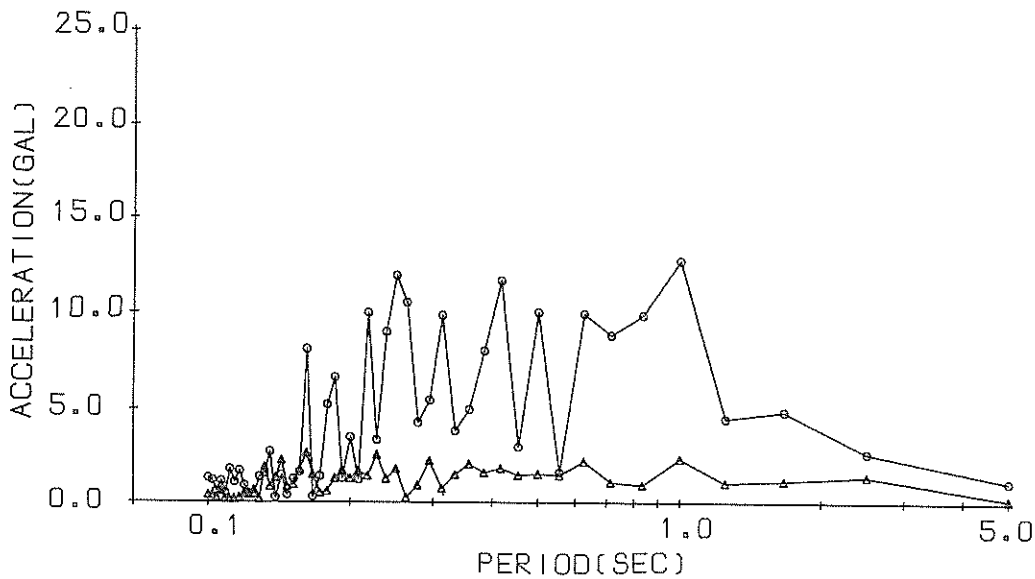
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-264

○ N-S TSK=20.00 TUS=5.00
 ▲ U-D TSK=20.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-264 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = AOMORI-S
 DATE AND TIME = 1968-05-16-19-39 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 28.51 (GAL)
 TIME LENGTH = 60.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	114.5	0.75	0.007	35.0	0.16	0.002	31.8	0.14	0.002	31.2	0.12	0.002	30.4	0.08	0.002
0.10	292.0	4.43	0.074	49.0	0.67	0.012	40.0	0.55	0.010	33.6	0.43	0.008	31.7	0.28	0.008
0.15	404.1	9.39	0.230	79.9	2.01	0.055	77.0	1.53	0.044	58.2	1.06	0.032	37.9	0.59	0.020
0.20	336.7	10.47	0.341	79.9	2.23	0.081	61.8	1.67	0.062	44.7	1.21	0.045	35.2	0.88	0.033
0.25	129.2	5.10	0.204	61.7	2.25	0.098	49.2	1.68	0.077	41.1	1.49	0.064	29.9	1.11	0.043
0.30	221.2	10.22	0.504	71.1	3.20	0.162	53.6	2.40	0.122	43.8	2.01	0.098	29.8	1.30	0.061
0.35	164.4	9.17	0.510	69.7	3.67	0.216	55.1	2.95	0.170	41.0	2.27	0.125	28.9	1.34	0.084
0.40	183.0	7.03	0.458	53.9	3.36	0.219	47.6	2.95	0.192	37.9	2.31	0.151	28.8	1.42	0.111
0.45	188.7	13.10	0.968	53.7	3.58	0.275	44.6	2.93	0.227	35.4	2.28	0.180	28.1	1.43	0.138
0.50	143.8	11.26	0.911	51.5	4.48	0.325	42.8	2.97	0.270	34.5	2.25	0.216	28.2	1.45	0.169
0.55	112.5	9.37	0.862	43.2	3.71	0.331	34.5	2.63	0.263	29.9	2.26	0.225	27.3	1.55	0.195
0.60	126.8	12.08	1.156	55.5	5.21	0.506	35.3	3.55	0.320	25.1	2.56	0.226	26.0	1.59	0.220
0.65	97.2	9.54	1.041	40.7	4.02	0.435	32.5	2.97	0.346	25.8	2.21	0.273	25.5	1.56	0.256
0.70	178.3	19.24	2.212	53.5	5.29	0.663	38.9	3.88	0.481	29.4	2.49	0.360	26.0	1.67	0.302
0.75	143.7	14.68	2.047	58.6	6.80	0.835	39.1	4.60	0.555	28.0	2.98	0.393	26.4	1.90	0.351
0.80	78.1	9.90	1.267	39.6	4.48	0.642	34.2	3.75	0.554	31.2	3.05	0.498	27.6	2.21	0.410
0.85	114.4	14.84	2.094	47.9	5.70	0.875	42.6	4.91	0.777	36.8	3.96	0.663	28.7	2.57	0.480
0.90	137.0	18.54	2.811	54.8	7.06	1.124	47.2	5.78	0.965	41.2	4.88	0.833	29.6	3.08	0.554
0.95	132.5	20.90	3.028	62.0	8.28	1.415	56.6	7.46	1.288	46.7	6.05	1.051	30.1	3.61	0.636
1.00	152.6	24.01	3.866	79.6	11.54	2.013	71.2	10.09	1.795	53.7	7.55	1.337	31.2	4.07	0.731
1.10	301.8	53.05	9.251	153.7	26.80	4.705	101.5	17.23	3.096	59.5	9.99	1.789	32.2	4.56	0.909
1.20	168.1	32.62	6.130	92.1	17.62	3.356	71.7	13.63	2.603	53.5	9.81	1.910	32.5	5.25	1.059
1.30	96.2	20.79	4.119	78.1	15.67	3.340	65.4	13.64	2.786	52.1	10.40	2.184	31.6	6.08	1.217
1.40	170.9	37.42	8.484	87.0	20.54	4.316	61.1	14.37	3.020	48.9	10.59	2.377	30.5	6.75	1.352
1.50	209.9	49.36	11.962	81.2	19.59	4.623	60.2	14.98	3.411	45.8	11.41	2.552	29.3	7.25	1.523
1.60	168.2	42.66	10.907	78.8	20.43	5.103	55.9	15.63	3.604	43.7	11.96	2.768	28.9	7.58	1.692
1.70	154.7	41.58	11.327	66.9	19.19	4.894	54.1	15.80	3.939	40.7	12.44	2.913	28.1	7.69	1.847
1.80	97.3	28.09	7.985	57.3	18.45	4.695	48.5	15.51	3.955	39.3	12.27	3.155	27.0	7.61	1.971
1.90	80.6	25.65	7.366	46.5	14.86	4.244	41.3	13.95	3.749	36.6	11.79	3.258	25.6	7.47	2.056
2.00	70.7	23.49	7.168	43.3	15.33	4.377	39.9	13.73	4.011	34.2	11.28	3.364	24.0	7.65	2.093
2.20	129.9	46.80	15.929	53.1	19.11	6.502	37.9	14.36	4.616	27.8	11.07	3.296	20.2	7.53	2.038
2.40	47.2	19.60	6.884	28.6	13.25	4.168	23.9	11.22	3.460	19.0	9.50	2.688	16.2	6.92	1.857
2.60	18.4	8.85	3.150	12.2	7.44	2.085	12.7	7.86	2.162	13.2	7.63	2.149	12.9	6.25	1.648
3.00	12.2	7.89	2.423	10.9	7.54	2.167	10.7	7.26	2.088	10.2	7.00	1.905	10.5	5.80	1.512
3.80	18.4	11.73	4.185	12.6	8.33	2.870	10.4	7.36	2.357	8.9	6.62	1.970	8.7	5.88	1.553
3.20	9.5	5.13	2.461	7.2	5.70	1.861	7.6	5.95	1.934	7.5	5.99	1.868	7.5	5.44	1.596
3.40	9.1	6.76	2.674	6.8	5.93	1.989	5.8	5.76	1.667	6.3	5.68	1.770	6.7	5.31	1.645
3.60	13.0	9.17	4.278	7.0	6.10	2.303	5.3	5.93	1.710	5.9	5.74	1.870	6.2	5.19	1.705
3.80	10.6	9.56	3.864	7.8	7.50	2.858	6.8	6.56	2.453	6.1	5.79	2.135	5.8	5.08	1.769
4.00	8.7	6.60	3.544	7.5	5.91	3.044	6.8	5.84	2.710	6.0	5.50	2.307	5.4	4.94	1.825

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-264 COMPONENT = U-D STATION = ADMORT-S
 DATE AND TIME = 1968-05-16-19-39 TOTAL NUMBER OF DATA = 7400
 SAMPLING INTERVAL = 6.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = SR.ACC. CORRECTION = ARC.EPR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
0	36	32	36	5	-14	-13	-9	-5	-5	3	510	40	38	29	26	30	39	54	61	52	41	
10	14	25	40	21	-45	-84	-105	-84	-25	3	520	32	12	-11	-23	-28	-11	6	61	22	32	
20	4	24	4	-14	-12	-12	-7	-7	-25	0	530	30	20	18	6	-7	-11	-11	-10	0	0	
30	89	100	101	94	59	26	14	14	17	15	540	0	0	-7	-9	-40	6	20	41	85		
40	25	25	35	57	59	56	48	34	-15	15	550	101	96	85	-106	73	30	22	19	17	144	
50	41	-42	-35	-16	-3	-12	-11	-1	-35	37	560	-131	-140	-155	-155	-55	62	96	144	-47	131	
60	52	61	67	49	37	26	16	6	-15	37	570	103	43	-11	-47	-40	-20	-20	-8	9	7	
70	70	16	22	19	18	12	6	3	0	6	580	11	-8	-28	-47	-56	-60	-60	-59	-36	13	
80	17	13	0	-1	-23	-25	6	3	-6	14	590	52	62	67	75	82	82	82	76	66	32	
90	-19	48	57	61	69	-55	-43	-10	-54	-33	600	21	13	2	3	9	10	20	31	22	21	
100	44	52	48	57	29	29	38	40	-20	-33	610	11	-9	0	0	-8	-16	-26	-33	-39	-39	
110	44	52	50	50	29	29	38	40	59	59	620	-36	-9	-30	-30	-29	-29	-22	0	30	52	
120	-30	-21	0	31	52	46	27	-2	59	59	630	55	52	52	39	26	20	20	29	30	31	
130	41	38	36	36	36	60	59	54	56	25	640	28	19	20	26	32	55	63	65	51	26	
140	29	9	11	10	0	-11	-21	-21	29	28	650	-22	-40	-58	-60	-57	-57	-57	-57	-70	-69	
150	0	9	29	37	39	50	41	50	30	28	660	-68	12	22	30	50	38	28	26	19	9	
160	8	-11	-33	-37	-49	-57	-59	-51	-41	28	670	36	28	21	11	9	0	-21	65	54	40	
170	-27	-29	-7	0	1	11	21	28	29	31	680	-31	-59	-40	-39	-39	-28	-18	-19	-89	91	
180	29	31	37	40	73	81	92	95	63	95	690	90	80	59	59	59	59	-4	-4	19	14	
190	66	52	29	30	10	13	31	31	31	31	700	-19	10	60	59	82	124	141	148	139	118	
200	0	-3	-37	-52	-59	-57	-50	-40	-37	-18	710	19	-49	-65	-81	-91	-82	-80	-63	-62	-40	
210	0	11	13	11	11	19	21	23	31	11	720	42	-40	-40	-51	-50	-43	-33	-23	28	37	
220	41	39	40	28	21	19	19	20	21	11	730	52	62	59	47	36	29	28	33	39	51	
230	-7	-28	-39	-36	-9	21	41	41	58	0	740	52	43	15	-16	-40	-54	-63	-60	-52	-42	
240	-20	-37	-47	-47	-39	-9	10	23	0	27	750	-31	53	-61	-64	-36	-24	-40	-34	-31	-35	
250	20	-21	18	9	10	12	6	20	0	19	760	71	57	32	6	-21	-23	-14	-16	60	70	
260	-30	-20	-21	-28	-27	-36	-52	-62	-47	-56	770	-35	-53	-61	-64	-36	-24	-23	-23	-14	17	
270	-48	-23	0	20	42	71	81	92	64	82	780	71	57	32	6	-21	-23	-14	-16	60	70	
280	76	85	51	40	31	30	30	26	40	50	790	50	69	68	69	62	48	32	13	15	25	
290	60	60	61	51	36	18	11	-11	-17	-28	800	37	66	69	76	70	59	46	20	4	-5	
300	-28	-31	-29	-12	-4	0	1	1	0	0	810	-5	-5	-4	1	5	5	14	26	35	35	
310	-11	-11	15	11	-11	-49	-68	-80	-78	-69	820	36	32	25	13	-22	-22	-45	-34	5	27	
320	8	39	62	60	52	45	38	37	39	39	830	66	46	46	46	-56	-56	-56	-56	5	27	
330	38	39	28	15	11	-12	-22	-24	-24	-51	840	46	56	56	45	35	33	29	33	35	5	
340	-49	-43	-51	-42	-38	-28	-14	-11	-8	-12	850	47	56	67	58	58	50	45	37	35	5	
350	42	42	42	42	42	42	42	42	42	42	860	-26	-44	-45	-48	-52	-53	-44	-37	-32	-35	
360	36	36	36	36	36	36	36	36	36	36	870	-36	-52	-66	-66	-102	-96	-73	-67	-12	37	
370	0	19	82	99	86	8	8	8	8	8	880	49	56	59	55	55	60	61	70	73	87	
380	38	28	29	34	35	28	10	8	6	48	890	55	11	-20	-24	-46	-45	-45	-33	-26	-36	
390	0	7	8	28	28	28	28	28	28	28	900	3	11	4	24	21	5	-5	-5	-37	-35	
400	30	26	18	17	7	6	8	7	10	28	910	37	-44	-49	-57	-59	-63	-54	-44	-13	4	
410	0	4	-5	-11	-9	1	7	32	10	29	920	11	11	11	14	14	13	13	21	24	23	
420	62	70	71	70	62	50	38	30	24	10	930	24	26	34	47	48	54	56	55	59	4	
430	5	5	-1	-22	-32	-42	-39	-43	-21	-1	940	87	96	99	99	99	79	48	22	4	-15	
440	10	39	71	83	92	92	89	78	56	51	950	-45	-63	-68	-64	-53	-44	-37	-37	-39	-45	
450	15	9	17	19	18	17	0	-30	-10	-10	960	78	85	86	86	86	66	14	-6	14	55	
460	-100	-92	-79	-59	-32	-20	-8	-31	-1	8	970	14	24	34	48	56	69	78	79	78	75	
470	40	19	20	25	29	38	49	61	51	9	980	69	66	66	66	4	3	-4	-3	3	14	
480	50	31	21	-80	-42	-41	-39	-28	-12	7	990	34	57	69	76	87	87	86	85	66	52	
490	-30	-31	-23	-29	-28	-28	-29	-23	-21	-20	1000	45	-4	-33	-46	-37	-28	-85	-16	-15	-13	
500	-21	-17	8	26	54	72	71	61	55	50	1010	-14	13	31	46	45	36	14	-74	-67	-49	
											1030	-14	13	31	46	45	36	14	-74	-67	-49	
											1040	32	34	34	35	31	30	25	24	24	32	20

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	4	-14	-54	-75	-88	-86	-88	-89	-78	
1060	-76	-53	-36	34	44	47	34	6	-37	
1070	-73	-89	-74	-83	-13	15	15	79	66	
1080	97	109	116	81	58	65	-4	-27	-39	
1090	-46	-35	2	31	49	66	57	25	-3	
1100	-3	-15	-23	-4	-17	-16	-16	-16	-23	
1110	-27	-24	-19	-4	8	22	35	40	45	
1120	34	24	14	15	25	24	24	21	44	
1130	10	4	11	14	22	35	36	34	30	
1140	26	34	48	69	79	80	79	77	55	
1150	15	-3	-16	-24	-27	-45	-55	-68	-72	
1160	-54	-27	0	-3	-4	-4	2	3	14	
1170	14	24	31	34	24	0	2	3	3	
1180	-25	-17	3	3	14	15	24	35	-38	
1190	100	106	106	87	56	23	23	67	95	
1200	-22	-16	-15	-16	26	23	-26	128	148	
1210	-23	-23	-26	-26	-26	-26	-26	141	151	
1220	-16	2	14	25	24	38	48	65	68	
1230	133	168	157	123	46	32	38	127	123	
1240	-95	-89	-83	-76	13	-58	-95	-16	-55	
1250	26	54	47	36	35	20	34	67	87	
1260	56	20	25	35	33	49	68	154	146	
1270	116	109	86	35	-9	-6	-53	36	-74	
1280	16	34	-84	-85	44	25	53	-44	-79	
1290	-44	-64	-84	-85	20	47	60	75	109	
1300	13	-9	-6	20	47	134	136	125	76	
1310	159	164	165	155	135	115	101	6	13	
1320	47	-15	-67	-95	-126	-134	-115	-44	-85	
1330	24	25	24	20	14	-6	-44	-56	-16	
1340	-85	-77	-47	-15	5	21	24	26	-16	
1350	-33	-43	-55	-58	-66	-83	-83	-93	-96	
1360	-87	-85	-65	-24	35	11	96	116	124	
1370	113	97	84	54	35	2	4	20	12	
1380	-26	-26	-15	-6	3	3	3	-115	-117	
1390	-16	-19	-26	-34	-53	-29	16	25	59	
1400	88	89	90	95	105	114	114	86	65	
1410	39	-6	-35	-34	-25	-17	-6	6	13	
1420	24	33	44	33	31	23	14	14	14	
1430	14	18	27	29	28	28	19	10	1	
1440	-21	-97	-21	17	48	68	74	61	50	
1450	11	-15	-36	-66	-81	-95	-8	9	11	
1460	-8	23	33	31	22	2	8	-46	-49	
1470	12	13	8	8	0	-56	-58	-10	12	
1480	-56	-56	-56	-56	-56	-56	-56	-56	-56	
1490	10	22	22	23	19	12	13	8	10	
1500	-22	-27	-26	-18	-12	1	13	13	12	
1510	10	9	-19	-30	-29	18	0	11	33	
1520	51	67	94	113	133	122	70	32	22	
1530	30	18	-9	-20	-19	-31	-50	18	67	
1540	-68	-68	-67	-68	-60	-60	-60	2	12	
1550	38	50	80	-62	-82	-103	-126	-90	-77	
1560	156	130	59	101	95	95	95	83	72	
1570	50	31	22	22	26	26	26	22	20	
1580	22	22	18	11	19	27	49	92	95	

TO BE CONTINUED

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	100	95	79	68	50	51	48	51	48	
1600	81	92	90	79	28	6	-10	0	5	
1610	1610	19	8	8	-19	-58	-49	-59	-60	
1620	-72	-88	-83	-71	-28	0	39	57	75	
1630	61	59	50	35	26	27	57	82	82	
1640	58	27	0	-24	-30	-30	-20	17	40	
1650	51	51	54	40	13	-30	-53	-72	-80	
1660	-60	-34	-21	-12	-12	-50	-81	-113	-144	
1670	173	167	-120	-72	-114	60	74	81	102	
1680	-20	-12	-62	-62	-111	-122	-111	-81	-37	
1690	74	91	101	108	109	102	88	44	37	
1700	8	-2	-5	-4	-1	-3	-2	5	19	
1710	27	28	37	48	56	77	90	92	87	
1720	67	22	-13	-71	-86	-92	-74	-52	-5	
1730	57	92	128	141	151	148	147	126	96	
1740	78	67	65	68	47	5	-32	-66	123	
1750	-134	-133	-127	-123	-100	-51	-35	-18	-15	
1760	6	6	-3	-45	-16	-55	-66	-64	-44	
1770	-42	-42	-45	-33	-34	-34	-28	-23	-23	
1780	-12	-12	24	24	67	87	90	86	65	
1790	36	107	154	184	187	185	104	94	84	
1800	34	107	154	184	187	185	104	94	84	
1810	-8	-44	-36	-74	-26	-6	-10	-94	-29	
1820	-74	-44	-26	-48	-76	-79	-74	-86	14	
1830	34	-24	-48	-76	-79	-74	-86	14	86	
1840	34	-24	-48	-76	-79	-74	-86	14	86	
1850	-38	-55	-87	-96	-109	-107	-86	-47	-39	
1860	63	63	118	155	153	153	143	123	98	
1870	86	89	105	104	108	98	94	85	76	
1880	65	64	75	85	93	99	115	116	114	
1890	124	122	105	77	52	43	25	4	-15	
1900	-15	-10	-5	-5	-5	-20	-34	34	-26	
1910	23	45	63	63	63	65	65	65	63	
1920	14	-44	-75	-66	-106	-105	-85	-58	-24	
1930	24	34	43	35	32	24	14	15	20	
1940	35	39	35	25	5	5	-15	-17	-7	
1950	13	23	20	12	4	-5	-14	-25	-28	
1960	-60	-60	-115	-117	-114	-104	-68	-37	-16	
1970	3	9	21	32	33	25	14	4	-4	
1980	-9	-9	-17	-15	1	43	105	108	109	
1990	94	73	45	43	41	42	35	31	-37	
2000	-66	-75	-95	-83	-83	29	64	93	126	
2010	165	133	107	84	25	-16	-26	-36	-38	
2020	-29	-15	13	23	24	3	-39	-86	-106	
2030	-118	-114	-86	-6	-4	3	15	24	34	
2040	34	35	25	25	9	-54	-64	-74	-65	
2050	-14	22	44	44	50	44	35	41	43	
2060	25	21	-9	-9	-64	-85	-94	-77	-58	
2070	0	13	14	14	15	15	19	19	-22	
2080	0	24	52	85	114	129	135	127	103	
2090	5	-46	-88	-108	-116	-114	-86	-44	14	
2100	135	145	197	204	178	173	135	108	98	
2110	97	95	82	62	55	51	45	41	34	
2120	23	14	13	15	25	45	63	86	85	

TO BE CONTINUED

CONTINUED(S-264 U-D)

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2130	73	41	0	-24	-36	-36	-26	-34	-39	-39	-97	-127	-148	-158	-155	-154	-155	-148	-154	-154
2140	-47	-54	0	-55	-47	-47	-35	-44	-17	-17	-155	-145	-135	-104	-60	-57	-44	-44	-37	-36
2150	-16	24	32	-26	-31	-31	-34	-26	-14	-14	-26	-27	-26	-28	-24	-19	2	25	32	32
2160	-29	24	24	-28	-34	-34	-14	14	49	49	45	48	44	34	23	4	4	8	20	20
2170	53	42	24	-25	-16	-16	-15	-15	0	0	33	33	31	23	21	18	14	14	20	20
2180	42	12	-16	-24	-17	-17	44	55	51	51	27	27	23	23	21	54	42	32	22	22
2190	137	123	107	-34	-10	-10	96	125	136	136	-38	-49	-68	-87	-77	-56	-28	3	11	11
2200	104	123	107	-75	-85	-85	-44	-78	-95	-95	21	23	21	24	24	29	32	42	50	44
2210	-104	-104	-107	-95	-85	-85	-15	-36	-14	-14	43	32	14	2	-17	-16	-17	4	44	44
2220	4	12	12	3	0	0	21	19	24	24	62	83	76	73	72	72	87	105	128	128
2230	27	2	2	3	0	0	-9	-14	14	14	153	174	187	192	151	117	73	51	30	30
2240	34	-5	22	-25	5	5	-36	-36	-36	-36	10	2	2	0	-8	-16	-27	-31	-35	-28
2250	25	24	25	-26	-19	-19	33	23	13	13	83	87	94	93	97	93	54	54	64	73
2260	32	24	25	-26	-19	-19	63	53	45	45	10	2	2	0	-8	-16	-27	-31	-35	-28
2270	32	24	25	-26	-19	-19	63	53	45	45	10	2	2	0	-8	-16	-27	-31	-35	-28
2280	25	24	25	-26	-19	-19	63	53	45	45	10	2	2	0	-8	-16	-27	-31	-35	-28
2290	-25	15	0	116	-150	-150	-184	-184	-121	-121	2800	74	68	61	58	41	42	32	32	34
2300	154	156	157	139	128	128	93	74	75	75	117	135	147	148	141	141	141	141	141	141
2310	104	104	104	136	123	123	116	105	107	107	52	53	54	51	48	41	41	41	41	41
2320	104	104	104	136	123	123	116	105	107	107	52	53	54	51	48	41	41	41	41	41
2330	-74	-68	-73	-77	-85	-85	-26	-26	-26	-26	116	103	83	44	34	-1	-28	-56	-65	-68
2340	-63	-68	-73	-77	-85	-85	-26	-26	-26	-26	116	103	83	44	34	-1	-28	-56	-65	-68
2350	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2360	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2370	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2380	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2390	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2400	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2410	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2420	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2430	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2440	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2450	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2460	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2470	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2480	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2490	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2500	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2510	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2520	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2530	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2540	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2550	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2560	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2570	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2580	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2590	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19
2600	126	127	127	105	86	86	128	150	157	157	-15	-6	4	20	24	11	-7	-17	-19	-19

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-264 U-D)

HO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	46	36	28	27	25	36	48	56	66	55
3220	47	32	18	-22	-35	-34	-31	-14	-42	89
3230	68	81	90	90	87	77	77	77	77	64
3240	81	88	90	96	97	54	67	54	25	43
3250	-3	-1	-3	-1	-1	-1	-1	-1	-1	37
3260	-4	-3	-2	5	5	17	17	17	25	38
3270	34	37	27	24	15	18	8	4	28	36
3280	6	14	24	25	22	26	28	27	27	-11
3290	36	38	37	36	35	26	26	24	17	-82
3300	17	18	18	23	28	38	38	44	45	-43
3310	48	42	25	8	-14	-23	-24	-34	-35	26
3320	-57	-74	-84	-92	-93	-84	-77	-62	-47	88
3330	-44	-42	-41	-41	-43	-43	-34	-27	-14	-11
3340	8	8	14	6	-2	-2	-12	-5	-3	-7
3350	-131	-122	-91	-42	-74	-101	-112	-122	-132	102
3360	-43	-35	-44	-44	-35	-65	-55	-52	-45	65
3370	-55	-54	-42	-22	-14	-5	-41	-47	-54	128
3380	107	77	14	6	36	48	66	96	109	134
3390	6	90	87	87	79	77	77	76	76	164
3400	72	67	78	86	98	100	101	112	120	130
3410	125	117	111	109	96	97	100	106	118	131
3420	118	110	108	109	118	121	121	126	128	131
3430	117	107	91	87	76	67	57	48	44	110
3440	45	42	28	24	16	-2	-12	-24	-21	103
3450	-24	-23	-27	-31	-33	-23	-21	-24	-24	46
3460	-73	-63	-92	-94	-86	-54	-55	-44	-54	29
3470	-133	-132	-131	-132	-131	-121	-115	-106	-93	0
3480	55	72	69	86	98	98	96	96	84	-49
3490	56	66	46	48	56	62	64	79	86	-99
3500	76	76	65	54	55	45	41	37	37	-84
3510	86	86	65	54	55	45	45	38	27	-62
3520	37	38	36	37	28	27	28	27	27	20
3530	25	24	17	27	28	27	38	38	50	37
3540	18	-14	-34	-73	-72	-71	-71	-71	-71	41
3550	-71	-71	-74	-84	-91	-91	-91	-103	-122	95
3560	-133	-137	-144	-152	-144	-144	-143	-144	-143	113
3570	-145	-145	-141	-144	-133	-124	-107	-91	-84	92
3580	-17	-16	-17	-16	-22	-22	-25	-21	-17	22
3590	-17	-16	-17	-16	-22	-22	-25	-21	-17	11
3600	-25	-23	-23	-22	-15	-12	-13	-11	-9	19
3610	-25	-23	-23	-22	-15	-12	-13	-11	-9	19
3620	100	117	108	100	100	96	97	100	109	40
3630	116	118	129	142	149	159	166	170	187	40
3640	196	202	207	210	207	196	187	175	159	49
3650	130	118	118	118	118	119	121	126	131	44
3660	131	131	127	126	118	107	85	68	58	22
3670	28	13	16	18	18	17	15	14	13	13
3680	28	13	16	18	18	17	15	14	13	13
3690	-45	-64	-76	-93	-93	-95	-95	-95	-95	64
3700	-91	-92	-91	-92	-102	-104	-114	-124	-135	54
3710	-144	-144	-144	-144	-145	-144	-137	-141	-133	0
3720	-133	-121	-114	-107	-101	-94	-94	-94	-94	1
3730	-81	-81	-82	-82	-82	-81	-81	-81	-81	2
3740	24	37	54	55	56	48	48	48	42	1

TO BE CONTINUED

CONTINUED (S-264 U-D)

HO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3750	34	34	35	35	47	52	58	79	88	89
3760	99	97	97	97	90	89	81	79	79	64
3770	62	58	58	57	52	45	45	45	43	37
3780	37	37	38	37	38	37	37	37	38	36
3790	27	17	5	-1	-2	-12	-12	-11	-11	-11
3800	-12	-22	-22	-34	-54	-51	-51	-51	-51	-51
3810	-64	-71	-72	-74	-81	-81	-81	-81	-81	-82
3820	-62	-82	-82	-77	-72	-67	-65	-64	-55	-43
3830	-33	-13	-4	5	14	17	28	28	26	26
3840	36	47	55	58	62	70	89	89	98	109
3850	109	110	117	118	118	118	118	111	112	112
3860	113	119	116	118	118	121	121	121	119	119
3870	107	108	109	100	100	92	86	86	86	81
3880	81	81	82	79	66	66	62	55	46	45
3890	36	18	17	18	4	-1	-1	-12	-24	-33
3900	-33	-33	-33	-35	-92	-90	-133	-134	-164	9
3910	-172	-176	-184	-201	-202	-203	-202	-202	-189	-179
3920	-153	-131	-131	-123	-112	-102	-94	-92	-90	-90
3930	-84	-82	-81	-83	-71	-70	-70	-71	-71	-53
3940	-40	-30	-22	-5	-1	-1	-1	-1	-1	-1
3950	-1	-1	-1	-1	15	26	37	46	56	63
3960	78	83	102	129	111	120	121	123	130	128
3970	129	131	129	131	131	131	131	131	131	131
3980	131	130	128	121	121	120	121	113	110	103
3990	99	90	69	59	60	49	50	50	44	46
4000	49	50	47	38	28	26	27	27	29	29
4010	23	30	27	30	26	27	19	9	0	-4
4020	-15	-29	-31	-39	-43	-49	-49	-49	-49	-49
4030	-50	-49	-59	-58	-65	-78	-81	-91	-98	-99
4040	-99	-99	-99	-100	-98	-101	-98	-98	-84	-84
4050	-78	-69	-58	-52	-50	-50	-58	-58	-62	-62
4060	-58	-58	-60	-59	-50	-20	-10	0	11	20
4070	27	37	38	41	40	40	38	37	41	41
4080	41	45	41	41	52	61	72	81	90	95
4090	113	123	125	125	125	122	123	122	113	113
4100	105	101	101	104	104	104	101	95	92	92
4110	81	69	59	41	32	30	30	21	22	22
4120	21	21	21	28	28	21	22	11	11	11
4130	0	8	0	1	1	1	2	-4	-7	-19
4140	-18	-99	-36	-36	-36	-38	-31	-29	-36	-40
4150	-49	-49	-46	-46	-46	-48	-48	-48	-48	-40
4160	-47	-36	-28	-48	-57	-57	-57	-57	-57	-47
4170	-42	-38	-37	-37	-39	-40	-42	-42	-42	-49
4180	-49	-45	-45	-45	-45	-46	-46	-46	-46	-49
4190	23	24	24	24	24	24	24	24	22	22
4200	22	22	22	23	24	24	24	24	22	22
4210	23	24	24	24	24	24	24	24	24	24
4220	68	69	69	69	69	68	64	58	64	64
4230	54	49	43	23	21	21	14	10	0	0
4240	-10	-9	-5	-8	-4	-5	-1	2	1	-6
4250	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
4260	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
4270	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
4280	-47	-35	-27	-17	-5	-6	-5	-3	1	2

TO BE CONTINUED

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	23	19	25	31	35	41	49	44	54	59
4300	55	51	42	29	20	13	3	4	3	5
4310	3	5	2	0	3	5	3	5	-5	-5
4320	-6	-5	-5	0	3	5	3	4	3	1
4330	-14	-17	-17	-10	-16	-16	-14	-14	-16	-16
4340	-3	3	3	0	-6	-6	-6	-5	-5	-3
4350	-36	-25	-17	-6	-6	-6	-6	-28	-24	-24
4360	63	69	73	73	73	11	21	35	45	55
4370	64	65	65	65	62	62	62	62	62	65
4380	42	29	22	14	14	9	3	-6	52	43
4390	-6	-16	-16	-16	-16	-16	-16	-17	-17	-17
4400	-16	-16	-16	-15	-6	-6	-6	-5	-5	-5
4410	-16	-24	-24	-45	-45	-45	-44	-56	-57	-55
4420	-51	-48	-37	-48	-45	-46	-46	-48	-48	-48
4430	-55	-57	-55	-56	-45	-47	-38	-36	-27	-15
4440	-4	-4	5	6	14	15	16	16	24	25
4450	-4	-4	5	6	14	15	16	16	24	25
4460	27	33	34	36	44	42	46	54	55	57
4470	63	67	66	64	61	62	61	64	63	63
4480	64	66	62	62	54	53	42	37	33	26
4490	22	22	16	11	6	2	-2	-6	-7	-18
4500	-20	-19	-20	-23	-29	-29	-20	-28	-28	-29
4510	-19	-20	-20	-20	-20	-20	-20	-29	-29	-29
4520	-27	-30	-29	-33	-40	-30	-30	-38	-39	-40
4530	-37	-39	-28	-30	-28	-30	-29	-20	-20	-20
4540	-19	-21	-9	-7	1	2	2	4	10	11
4550	11	14	21	20	22	23	24	30	31	30
4560	33	35	41	40	41	44	52	51	54	59
4570	64	69	63	64	63	69	71	68	71	71
4580	74	78	70	71	60	60	53	51	39	41
4590	33	29	30	23	20	20	12	9	3	0
4600	-6	-11	-20	-20	-25	-32	-32	-32	-33	-33
4610	-25	-23	-31	-43	-52	-63	-66	-70	-72	-73
4620	-64	-71	-81	-80	-82	-70	-72	-71	-64	-61
4630	-64	-71	-81	-80	-82	-70	-72	-71	-64	-61
4640	-90	-90	-86	-82	-83	-90	-91	-80	-80	-83
4650	-81	-81	-73	-71	-60	-53	-52	-42	-36	-31
4660	-23	-16	-9	-7	1	1	0	-1	1	1
4670	0	2	9	11	20	21	23	29	33	32
4680	30	29	29	29	29	32	38	49	50	46
4690	60	62	66	66	69	68	68	56	50	52
4700	38	36	32	31	37	38	39	31	28	27
4710	29	27	26	27	26	27	19	11	1	3
4720	-13	-22	-23	-25	-25	-26	-26	-23	-23	-23
4730	-22	-26	-25	-26	-25	-26	-26	-24	-24	-24
4740	-22	-13	-8	-8	-8	-2	0	1	2	2
4750	18	21	29	28	32	39	39	38	42	47
4760	47	47	49	49	48	52	56	56	50	49
4770	47	47	49	49	48	52	56	56	50	49
4780	39	42	49	46	42	37	30	27	28	22
4790	19	17	19	18	11	2	-1	-1	-6	-12
4800	-12	-22	-24	-24	-35	-43	-46	-61	-64	-64
4810	-64	-71	-71	-74	-84	-93	-93	-94	-94	-94
4820	-93	-83	-81	-83	-81	-74	-71	-73	-65	-62

TO BE CONTINUED

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	-53	-53	-53	-53	-53	-64	-64	-65	-71	-71
4840	-71	-74	-74	-74	-71	-72	-72	-71	-62	-62
4850	-55	-46	-43	-33	-33	-32	-32	-32	-33	-33
4860	17	20	30	41	46	49	49	38	36	28
4870	27	21	20	18	17	16	20	20	24	26
4880	30	31	31	30	30	31	31	37	37	39
4890	39	37	38	37	37	40	40	42	47	49
4900	40	29	23	19	18	8	10	22	2	2
4910	12	19	23	29	28	28	28	28	20	20
4920	18	12	11	10	11	12	13	16	17	19
4930	18	19	18	10	19	19	20	22	22	22
4940	22	23	21	19	17	16	11	9	9	9
4950	8	9	10	8	0	-1	0	-7	-7	-10
4960	-11	-21	-20	-24	-26	-32	-33	-32	-33	-35
4970	-48	-46	-42	-42	-42	-42	-42	-42	-41	-40
4980	-42	-40	-31	-33	-31	-31	-24	-28	-26	-21
4990	-21	-21	-10	-10	-6	0	0	0	6	6
5000	10	9	10	9	10	9	13	18	20	20
5010	33	41	41	40	40	40	40	44	51	49
5020	59	59	63	61	72	73	74	71	68	70
5030	70	68	61	61	61	59	61	56	50	40
5040	42	41	33	30	23	21	10	-20	-24	-29
5050	-10	-10	-10	-10	-22	-21	-20	-20	-24	-29
5060	-31	-33	-42	-43	-51	-51	-55	-61	-69	-59
5070	-59	-59	-62	-59	-59	-51	-63	-63	-65	-68
5080	-72	-69	-72	-69	-63	-62	-65	-63	-62	-59
5090	-42	-52	-52	-52	-52	-52	-65	-63	-62	-59
5100	-42	-52	-52	-52	-52	-52	-65	-63	-62	-59
5110	-51	-52	-51	-51	-51	-49	-52	-51	-51	-51
5120	-46	-46	-46	-46	-46	-46	-52	-44	-35	-32
5130	41	40	41	44	44	48	50	50	51	51
5140	58	60	59	61	61	61	62	61	61	61
5150	42	38	39	31	30	26	21	18	20	21
5160	-21	-23	-24	-24	-28	-31	-29	-28	-28	-21
5170	-19	-18	-8	-9	-9	-9	-7	-5	-6	-6
5180	19	18	18	18	18	18	18	18	18	18
5190	0	0	0	0	0	0	0	0	0	0
5200	21	24	25	25	29	32	31	34	40	44
5210	50	50	60	60	59	63	65	62	60	60
5220	59	54	52	51	49	51	50	44	42	42
5230	54	50	52	52	52	51	50	44	42	42
5240	2	1	0	0	0	-10	-9	-9	-10	-10
5250	-10	-10	-11	-9	-9	-9	-9	-9	-10	-10
5260	-44	-52	-51	-55	-59	-62	-62	-62	-62	-62
5270	34	44	61	75	81	85	85	85	85	85
5280	-102	-99	-99	-99	-99	-101	-99	-99	-99	-99
5290	-83	-83	-82	-82	-82	-85	-83	-81	-82	-89
5300	-92	-81	-81	-74	-73	-85	-83	-80	-80	-81
5310	-80	-81	-81	-74	-73	-85	-83	-80	-80	-81
5320	-2	-5	-5	-5	-5	-5	-5	-5	-5	-5
5330	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
5340	28	28	28	28	28	28	28	28	28	28
5350	68	78	80	83	88	91	99	100	101	106
5360	109	108	111	111	118	118	118	118	111	110

TO BE CONTINUED

CONTINUED(S-264 U-D)

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	110	109	108	107	107	107	99	96	98	91
5380	89	86	87	77	77	69	62	60	59	59
5390	59	57	48	47	49	39	38	36	28	27
5400	29	28	21	21	18	17	17	18	18	11
5410	8	7	7	1	2	-2	-8	-11	-17	-12
5420	-12	-12	-21	-21	-23	-13	-12	-12	-22	-23
5430	-24	-33	-35	-37	-43	-53	-53	-53	-61	-61
5440	-51	-64	-72	-74	-72	-75	-77	-82	-81	-81
5450	-84	-84	-84	-84	-85	-84	-84	-84	-84	-84
5460	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91
5470	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91
5480	-92	-91	-91	-91	-91	-91	-91	-91	-91	-91
5490	-91	-91	-91	-91	-91	-91	-91	-91	-91	-91
5500	-8	0	7	17	17	28	26	26	22	17
5510	37	41	49	56	69	61	62	68	66	66
5520	69	68	78	81	82	88	89	89	87	87
5530	78	78	78	78	78	77	76	79	77	77
5540	86	87	86	81	79	78	77	76	79	77
5550	68	67	68	58	56	47	42	42	39	37
5560	31	27	27	19	17	17	8	7	1	-1
5570	-9	-10	-12	-22	-21	-24	-27	-31	-34	-34
5580	-34	-37	-43	-43	-44	-43	-46	-53	-54	-54
5590	-64	-61	-62	-63	-63	-63	-65	-63	-65	-63
5600	-61	-61	-64	-64	-64	-64	-65	-66	-66	-66
5610	-67	-65	-65	-65	-65	-61	-61	-61	-58	-54
5620	-45	-45	-43	-41	-43	-41	-41	-43	-43	-43
5630	-33	-32	-33	-33	-33	-32	-32	-34	-34	-32
5640	-23	-23	-23	-24	-23	-23	-23	-23	-23	-23
5650	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23
5660	-12	-10	-9	-10	-10	-11	-10	-11	-12	-12
5670	11	11	18	18	22	21	22	23	29	28
5680	30	32	36	37	39	38	42	42	43	50
5690	47	48	43	41	39	38	39	38	41	42
5700	43	58	48	50	51	52	52	53	57	59
5710	59	42	63	68	69	70	67	59	60	60
5720	52	47	48	47	42	39	33	30	27	28
5730	19	17	19	13	11	0	-6	-10	-15	-12
5740	-41	-41	-49	-53	-61	-59	-59	-67	-71	-72
5750	-69	-82	-75	-81	-80	-81	-82	-84	-84	-82
5760	-82	-83	-83	-83	-81	-79	-81	-81	-69	-63
5770	-60	-59	-60	-60	-60	-51	-52	-41	-35	-31
5780	-32	-32	-29	-29	-29	-20	-19	-11	-9	0
5790	2	2	8	8	13	18	21	23	24	31
5800	31	30	32	33	34	34	33	31	25	32
5810	32	33	34	33	33	31	41	41	40	44
5820	41	40	40	40	33	31	30	30	24	22
5830	19	14	11	11	3	0	-4	-6	-6	-6
5840	-9	-18	-20	-24	-30	-32	-34	-38	-38	-38
5850	-38	-38	-33	-38	-40	-40	-40	-39	-40	-40
5860	-41	-41	-41	-40	-39	-39	-37	-37	-40	-40
5870	-27	-29	-29	-29	-29	-29	-29	-29	-29	-29
5880	-5	12	11	15	16	16	16	16	16	16
5890	41	41	41	40	35	35	35	35	34	32
5900	32	31	33	33	23	22	20	14	10	12

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-264 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6450	13	11	11	11	13	13	14	12	12	14
6460	15	16	17	22	22	21	21	22	25	25
6470	26	26	33	33	32	33	33	35	36	36
6480	36	33	32	33	32	26	23	21	21	21
6490	21	23	22	23	15	18	18	13	13	13
6500	1	2	4	17	13	18	18	18	18	21
6510	23	29	27	27	30	30	30	32	33	33
6520	39	39	37	32	32	39	40	39	40	39
6530	39	40	39	38	38	40	40	39	40	37
6540	37	29	28	27	20	17	19	19	19	19
6550	9	8	8	9	9	7	9	9	8	7
6560	7	7	17	19	9	6	6	6	6	6
6570	19	10	8	8	8	19	20	20	20	18
6580	20	20	20	20	18	18	20	18	20	18
6590	9	9	20	19	20	20	23	24	28	21
6600	20	20	20	20	20	18	18	17	10	9
6610	3	4	10	10	10	14	14	20	0	2
6620	3	19	10	10	10	11	11	9	11	16
6630	19	10	4	4	3	3	1	3	3	10
6640	9	10	4	4	4	4	1	9	9	11
6650	12	3	4	3	10	2	1	9	11	10
6660	3	4	3	1	0	0	0	4	5	10
6670	5	5	6	7	8	9	8	9	11	10
6680	19	19	19	17	18	18	19	18	19	19
6690	17	8	5	4	5	5	5	5	5	5
6700	7	4	4	4	4	4	4	4	4	4
6710	5	5	5	5	5	5	5	5	5	5
6720	4	4	4	4	4	4	4	4	4	4
6730	1	2	2	3	3	2	2	2	2	2
6740	4	6	3	3	4	4	5	4	4	4
6750	26	39	30	30	29	30	38	31	31	28
6760	32	39	37	37	38	38	38	36	36	36
6770	28	28	28	28	21	18	18	19	18	18
6780	19	19	18	18	18	18	18	18	18	18
6790	17	17	18	18	17	17	17	17	17	17
6800	6	7	7	6	6	4	4	4	4	4
6810	6	6	6	6	6	4	4	4	4	4
6820	2	4	3	3	2	2	2	2	2	2
6830	7	7	8	13	14	12	12	12	12	12
6840	13	13	16	16	16	16	16	16	16	16
6850	13	6	4	2	2	2	2	2	2	2
6860	5	5	5	5	5	5	5	5	5	5
6870	5	5	4	4	4	4	4	4	4	4
6880	5	5	4	4	4	4	4	4	4	4
6890	5	4	4	4	4	4	4	4	4	4
6900	4	4	4	4	4	4	4	4	4	4
6910	3	2	2	2	2	2	2	2	2	2
6920	26	26	26	26	26	19	20	16	18	18
6930	17	16	15	15	15	15	14	15	15	15
6940	5	4	5	5	5	5	5	5	5	5
6950	1	1	1	1	1	4	5	5	5	5
6960	15	15	16	16	14	15	16	17	18	18
6970	25	26	26	26	25	25	25	25	25	25
6980	25	25	26	26	25	25	25	25	25	25

TO BE CONTINUED

CONTINUED(S-264 U-D)

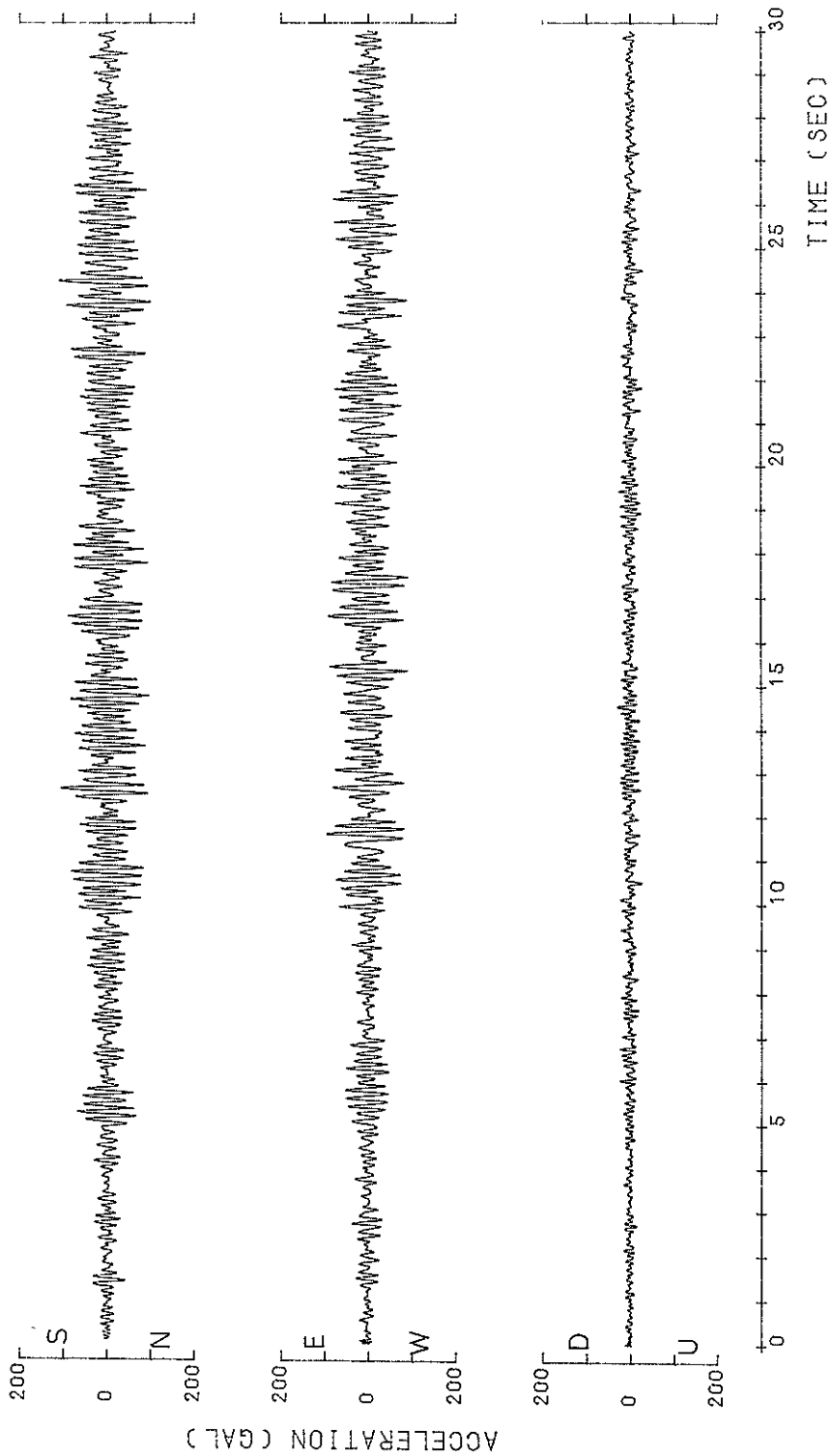
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6990	34	33	34	35	35	34	34	35	35	35
7000	24	24	22	25	25	24	24	24	24	24
7010	25	25	24	24	24	25	24	24	24	24
7020	15	14	15	14	14	17	17	15	14	13
7030	3	3	4	4	4	12	12	4	4	3
7040	0	0	3	3	3	4	4	4	4	4
7050	13	3	4	4	4	2	2	2	2	2
7060	4	4	3	3	3	2	2	2	2	2
7070	13	13	13	13	13	4	4	4	4	4
7080	6	5	6	5	5	7	8	9	9	10
7090	17	18	15	16	16	10	9	9	9	8
7100	7	6	7	6	7	6	5	4	4	4
7110	7	6	7	6	7	6	5	4	4	4
7120	1	1	2	3	3	4	4	4	4	4
7130	4	4	3	3	3	3	3	3	3	3
7140	1	1	1	1	1	3	4	4	4	4
7150	13	16	16	18	18	25	25	24	24	24
7160	24	24	26	27	27	34	35	35	35	35
7170	48	54	55	55	55	55	55	55	55	55
7180	64	62	62	63	63	63	63	63	63	63
7190	54	54	55	53	54	54	54	53	53	53
7200	45	45	45	45	45	52	52	52	52	52
7210	25	23	23	22	22	34	34	34	34	34
7220	4	0	8	8	9	14	14	14	14	14
7230	28	29	31	31	31	15	19	26	26	26
7240	47	46	47	50	50	36	37	39	40	40
7250	55	58	57	55	49	50	58	58	57	58
7260	37	37	36	30	30	46	48	40	40	40
7270	16	16	18	16	28	26	25	21	20	19
7280	4	3	3	3	9	6	5	6	5	5
7290	14	13	13	14	15	14	12	12	13	13
7300	23	23	23	23	22	24	23	23	23	23
7310	21	23	23	23	23	23	21	21	21	21
7320	14	13	13	14	14	23	23	23	23	23
7330	14	13	13	13	13	13	13	13	13	13
7340	14	16	16	16	16	16	16	16	16	16
7350	33	33	31	32	33	34	34	34	34	34
7360	33	33	31	32	33	34	34	34	34	34
7370	33	33	33	33	33	34	34	34	34	34
7380	22	24	24	23	23	24	23	23	23	23
7390	14	14	13	12	12	13	13	13	13	13

END

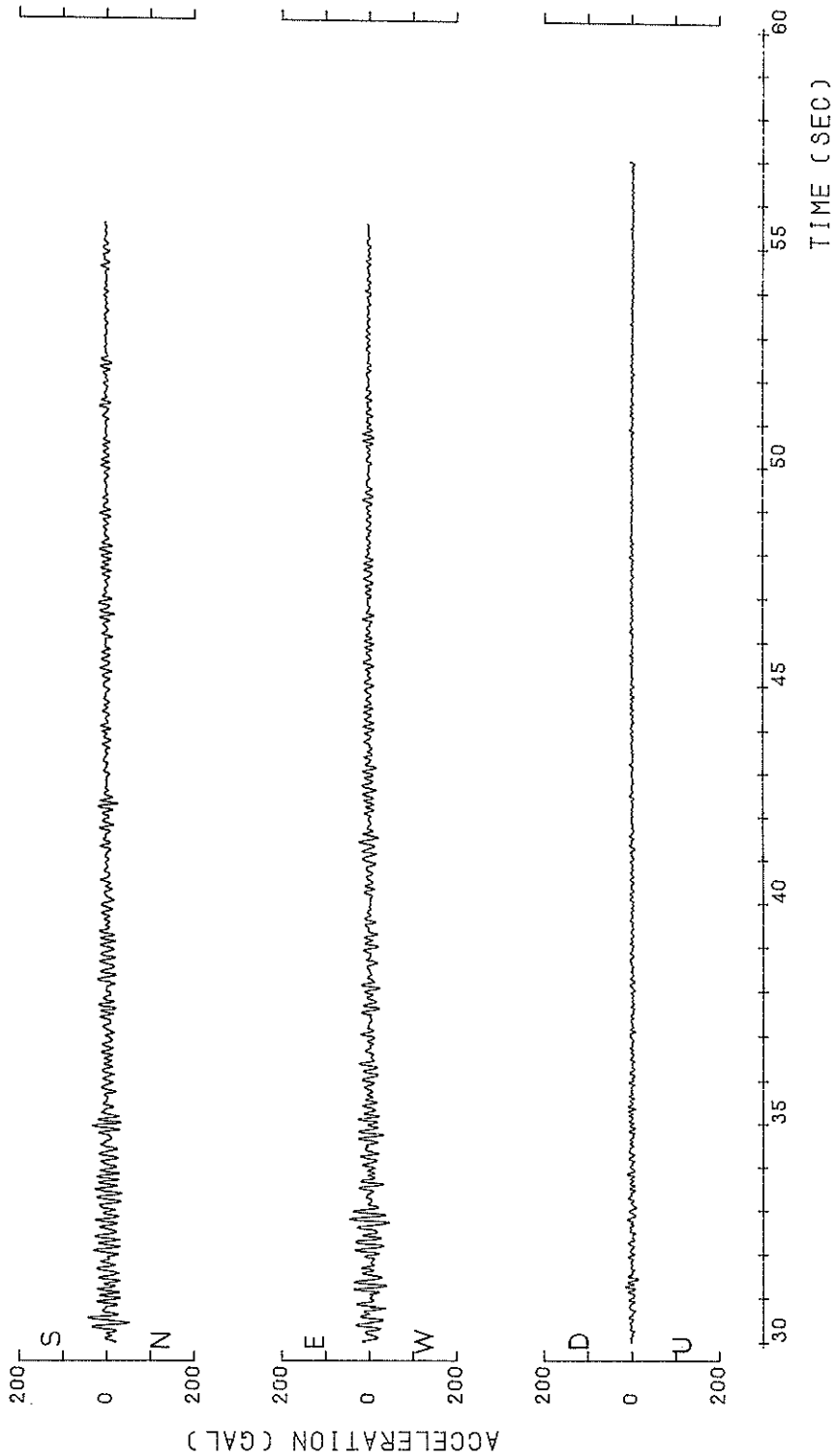
1968-06-12-22-42

MIYAKO-S

S-312

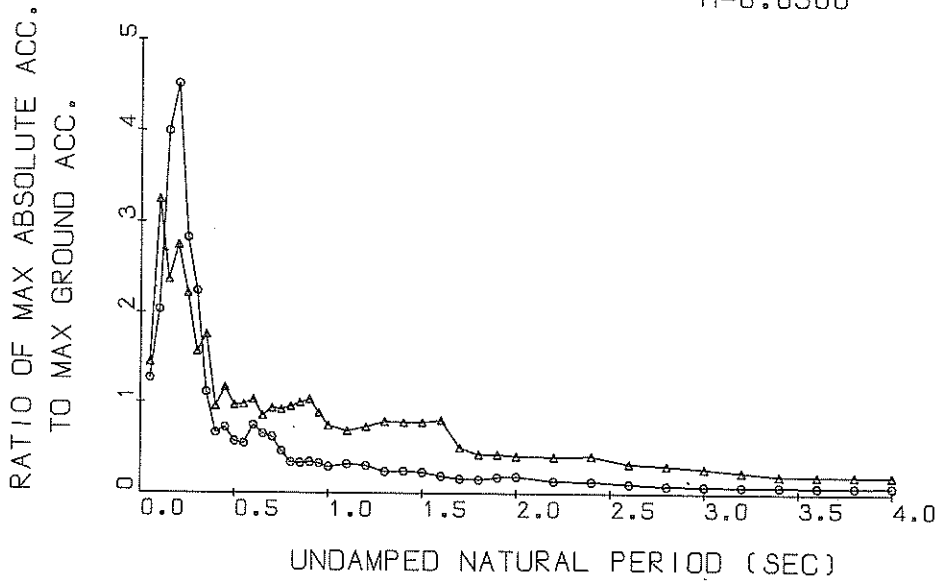


S-312 MIYAKO-S 1968-06-12-22-42



S-312 MIYAKO-S
1968-06-12-22-42

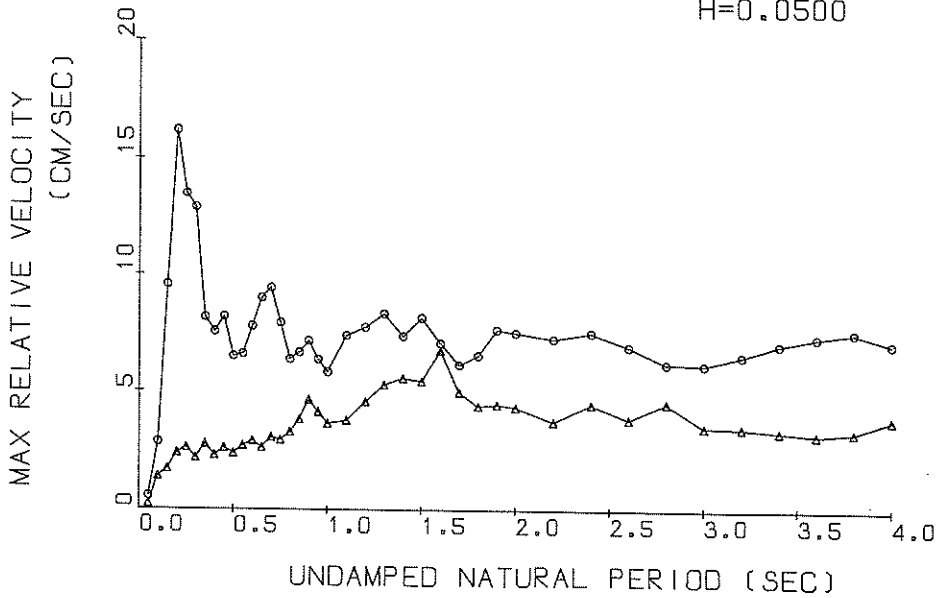
○ N-S
△ U-D
H=0.0500



Response Spectra

S-312 MIYAKO-S
1968-06-12-22-42

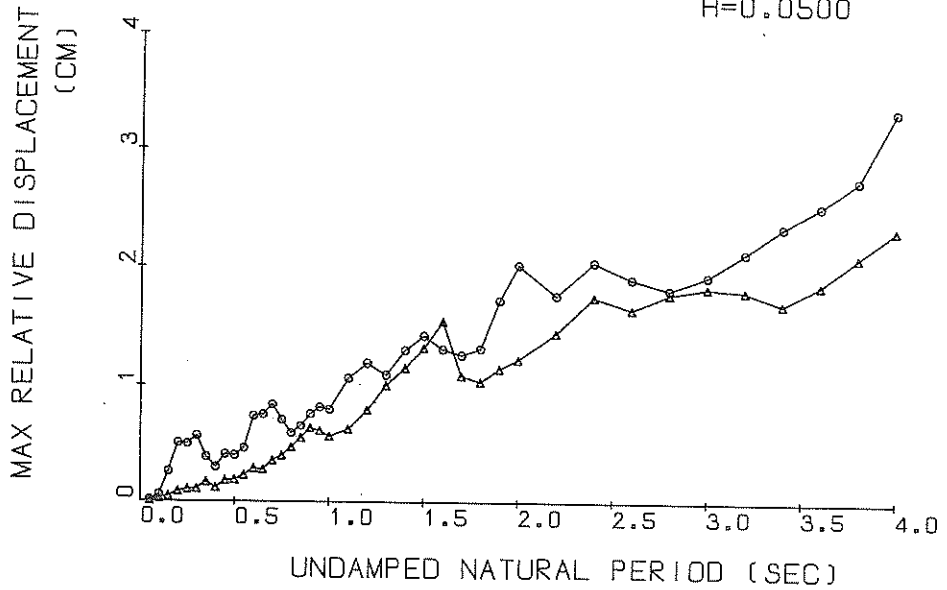
○ N-S
△ U-D
H=0.0500



Response Spectra

S-312 MIYAKO-S
 1968-06-12-22-42

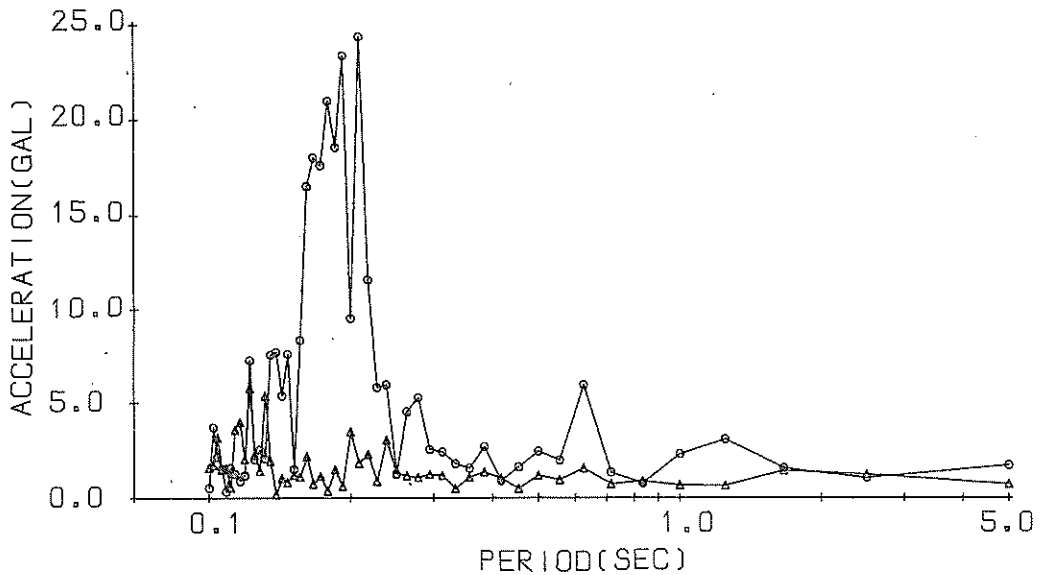
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-312

○ N-S TSK=12.00 TUS=5.00
 ▲ U-D TSK=12.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-312 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = MIYAKO-S
 DATE AND TIME = 1968-06-12-22-42 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 30.06 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	160.0	1.13	0.010	47.0	0.25	0.003	43.4	0.23	0.003	37.7	0.20	0.002	33.3	0.16	0.002
0.10	296.3	4.65	0.075	122.9	1.79	0.031	97.6	1.39	0.025	75.7	0.99	0.019	49.9	0.59	0.012
0.15	482.7	11.57	0.275	88.9	2.08	0.051	71.2	1.72	0.041	58.8	1.29	0.033	44.8	0.91	0.023
0.20	210.9	6.87	0.214	119.9	3.55	0.122	82.6	2.39	0.083	52.3	1.61	0.052	37.9	1.00	0.034
0.25	183.7	9.02	0.354	80.0	3.29	0.127	66.6	2.62	0.104	48.2	1.84	0.075	30.4	1.12	0.042
0.30	287.9	8.98	0.428	62.3	3.06	0.142	46.9	2.18	0.106	34.6	1.63	0.077	25.5	1.11	0.051
0.35	207.4	11.33	0.643	72.2	3.77	0.224	52.8	2.76	0.163	35.2	1.94	0.107	22.0	1.14	0.060
0.40	163.1	10.37	0.661	41.1	3.09	0.166	28.7	2.28	0.116	23.2	1.63	0.092	18.3	1.16	0.063
0.45	111.5	7.94	0.572	48.7	3.49	0.250	35.1	2.60	0.179	24.4	1.78	0.121	16.2	1.23	0.069
0.50	124.7	10.08	0.789	38.7	2.99	0.245	29.0	2.37	0.183	21.8	2.04	0.135	14.9	1.38	0.083
0.55	111.3	9.77	0.853	37.2	3.32	0.285	29.2	2.69	0.223	22.1	2.08	0.165	14.5	1.44	0.107
0.60	99.4	9.36	0.907	42.9	4.06	0.392	31.0	2.91	0.272	21.9	2.03	0.197	15.8	1.45	0.138
0.65	110.0	11.27	1.177	34.7	3.45	0.371	25.5	2.62	0.282	20.3	1.90	0.213	16.7	1.41	0.167
0.70	82.1	8.85	1.019	42.6	4.35	0.529	28.1	3.04	0.347	19.0	2.01	0.231	17.1	1.40	0.194
0.75	68.8	8.18	0.980	35.5	3.96	0.505	27.5	2.93	0.389	21.4	2.12	0.298	17.3	1.66	0.220
0.80	39.8	5.60	0.645	32.7	3.80	0.529	28.7	3.28	0.463	21.7	2.71	0.341	17.1	1.92	0.242
0.85	53.5	7.10	0.979	36.1	4.76	0.660	30.0	3.81	0.546	21.8	3.17	0.397	16.6	2.14	0.259
0.90	46.8	6.87	0.959	37.1	5.98	0.761	31.0	4.63	0.632	22.7	3.35	0.452	15.8	2.28	0.270
0.95	70.6	10.59	1.614	36.1	5.53	0.824	26.6	4.11	0.606	20.4	3.17	0.450	14.9	2.35	0.280
1.00	44.7	7.39	1.131	26.0	4.50	0.658	22.2	3.63	0.558	17.7	2.77	0.435	14.1	2.40	0.291
1.10	33.6	6.29	1.028	26.6	4.97	0.813	20.5	3.75	0.622	16.3	2.86	0.489	13.3	2.50	0.330
1.20	37.7	7.12	1.375	24.2	5.16	0.882	21.8	4.55	0.790	17.3	3.48	0.616	13.2	2.59	0.394
1.30	60.0	12.31	2.570	30.7	6.67	1.312	23.5	5.26	1.002	16.8	3.97	0.706	13.0	2.60	0.469
1.40	41.5	9.30	2.058	27.7	6.34	1.371	23.3	5.54	1.151	18.7	4.19	0.905	12.2	2.57	0.531
1.50	31.4	6.87	1.788	24.8	5.88	1.408	23.3	5.41	1.320	18.6	4.48	1.040	11.7	2.94	0.583
1.60	68.3	17.18	4.428	33.6	8.99	2.174	24.1	6.71	1.544	17.4	4.97	1.084	10.8	3.17	0.611
1.70	30.8	8.19	2.258	18.7	5.10	1.369	14.9	4.96	1.088	13.7	4.64	0.948	10.0	3.26	0.619
1.80	19.9	5.35	1.635	15.2	4.41	1.244	12.7	4.37	1.035	11.6	4.25	0.935	9.4	3.26	0.703
1.90	15.5	5.31	1.421	13.5	4.68	1.234	12.7	4.43	1.149	11.4	4.07	1.026	9.4	3.19	0.777
2.00	13.9	5.17	1.412	12.7	4.63	1.288	12.2	4.32	1.227	11.2	3.85	1.106	9.3	3.08	0.841
2.20	14.3	5.67	1.756	12.9	4.24	1.581	11.9	3.73	1.447	10.4	3.27	1.252	8.8	2.77	0.946
2.40	22.8	9.08	3.319	14.8	5.28	2.153	12.1	4.46	1.756	9.5	3.55	1.345	8.2	2.43	1.027
2.60	15.9	6.81	2.716	11.8	4.99	2.021	9.7	3.83	1.651	8.3	3.07	1.343	7.5	2.44	1.092
2.80	15.2	7.35	3.017	11.4	5.58	2.265	9.0	4.51	1.784	7.4	3.32	1.429	6.9	2.40	1.168
3.00	14.1	6.34	3.206	9.1	4.14	2.072	8.1	3.50	1.839	7.1	2.78	1.587	6.4	2.40	1.257
3.20	11.6	5.55	2.997	7.6	3.99	1.956	7.0	3.47	1.809	6.6	2.78	1.649	6.0	2.48	1.377
3.40	12.3	6.81	3.607	7.4	4.28	2.161	5.8	3.32	1.699	6.0	2.80	1.674	5.7	2.60	1.483
3.60	8.0	4.65	2.624	6.2	3.41	2.039	5.7	3.17	1.864	5.6	3.02	1.769	5.5	2.74	1.582
3.80	7.8	4.30	2.844	6.3	3.39	2.301	5.8	3.29	2.103	5.5	3.22	1.972	5.2	2.87	1.677
4.00	8.7	5.51	3.542	6.1	4.23	2.451	5.8	3.82	2.335	5.5	3.44	2.187	5.0	3.00	1.853

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-312 COMPONENT = U-D STATION = MIYAKO-S
 DATE AND TIME = 1968-06-12-22-42 TOTAL NUMBER OF DATA = 5700
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	3	114	113	45	28	64	78	56	14	3
10	6	25	46	26	13	14	18	34	55	57
20	35	4	-17	-8	-7	-7	-9	-6	-6	4
30	16	37	64	85	68	53	27	6	9	23
40	54	99	119	123	115	95	43	15	3	77
50	-19	-16	8	24	64	75	77	68	57	64
60	36	17	-16	-16	-15	-9	16	34	36	16
70	34	25	8	-6	-4	-6	28	54	65	45
80	74	58	44	17	-30	-34	-26	7	26	44
90	44	34	6	-14	-6	-7	-6	16	25	44
100	35	25	15	3	-8	12	46	105	112	115
110	107	94	47	4	-50	-68	-68	-66	-28	76
120	105	105	107	103	92	74	47	22	15	171
130	13	33	36	43	54	47	56	64	57	43
140	4	-27	-35	-25	-8	82	84	97	98	57
150	78	66	42	34	23	33	62	85	72	58
160	42	-18	-27	-29	-19	-7	22	12	88	22
170	97	88	76	52	22	3	-10	-1	13	126
180	43	64	53	24	-7	-38	-27	-6	38	12
190	111	3	74	82	-17	-28	-38	-45	-45	53
200	-26	94	125	154	154	135	111	-19	-37	-49
210	-58	-47	-38	-30	-62	11	43	73	91	77
220	82	52	33	21	26	32	33	44	61	53
230	97	111	91	63	46	32	24	23	21	32
240	97	111	91	64	25	-8	-39	-46	-29	-16
250	34	45	64	54	25	-8	41	-78	-108	-16
260	112	115	132	141	132	101	142	117	3	-12
270	-107	-56	73	103	72	73	55	27	11	-9
280	-27	-19	14	52	72	61	94	101	182	70
290	-39	-50	-62	-28	13	63	72	84	83	55
300	61	44	34	37	51	63	12	24	32	32
310	76	61	21	2	2	5	11	12	24	32
320	52	24	24	32	41	62	61	42	32	54
330	75	10	15	23	4	-12	-23	-2	16	20
340	75	83	73	62	62	62	52	53	41	20
350	5	-11	-33	-17	11	40	44	34	22	35
360	7	13	63	144	160	154	130	118	82	86
370	16	14	10	23	42	64	63	70	91	77
380	82	75	64	44	21	-8	-19	-29	-27	-10
390	24	44	51	42	22	10	-10	-29	-27	-10
400	55	75	93	115	125	101	72	11	-6	-23
410	-10	-12	3	23	29	4	-11	-10	-13	-13
420	13	-31	54	71	59	41	2	-21	-28	-13
430	-19	6	21	31	30	23	11	92	115	115
440	6	10	10	9	0	-8	4	51	52	115
450	123	122	112	99	63	64	40	40	57	115
460	120	110	95	63	11	-64	-12	-78	-91	-19
470	82	115	125	99	99	94	-12	-7	-28	-12
480	-10	12	32	39	34	22	75	-21	-28	-12
490	82	93	103	121	130	119	75	50	-40	-32
500	-47	-30	-10	41	74	83	74	59	41	30

TO BE CONTINUED

CONTINUED(S-312 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	9	0	-11	24	72	111	125	129	101	49
520	-10	-19	-23	15	82	122	144	160	160	152
530	131	90	-50	-40	-28	-73	101	101	42	80
540	19	135	150	-62	-60	-47	-83	13	42	80
550	-71	68	123	130	70	34	30	31	30	53
560	63	102	105	82	33	-24	-50	-49	-17	16
570	50	74	40	32	20	35	75	115	121	112
580	100	72	237	251	239	197	33	-31	-69	109
590	105	204	-12	0	32	44	61	81	95	102
600	172	102	63	14	0	-59	-68	-58	-42	41
610	136	98	-37	72	-69	105	143	170	162	162
620	124	97	173	150	122	71	12	3	20	61
630	131	171	210	182	129	50	3	38	20	-38
640	162	176	170	182	198	237	249	207	84	2
650	-91	-78	-8	153	-39	-18	-10	-3	4	10
660	-47	-70	-99	-8	-39	-50	-51	-58	-19	-19
670	81	135	177	173	120	32	68	-30	-78	-91
680	-69	-135	22	45	64	71	35	54	64	64
690	720	59	1	3	72	21	35	54	64	64
700	750	59	54	62	71	82	69	40	12	-10
710	750	121	-31	13	112	154	169	145	30	-90
720	-122	-148	-105	7	23	71	123	151	170	160
730	72	1	-130	-170	-16	-8	75	106	120	93
740	60	30	1	1	-9	-13	-11	-97	3	81
750	142	127	91	21	59	-84	-121	-97	3	81
760	143	204	218	199	156	84	40	22	13	30
770	84	113	123	150	100	71	40	31	22	21
780	84	113	123	150	100	71	40	31	22	21
790	50	34	-10	-24	0	74	12	119	110	80
800	50	34	-10	-24	0	74	12	119	110	80
810	14	156	-151	-156	-99	-60	50	121	153	173
820	181	193	-140	84	41	-12	0	23	65	70
830	-61	73	-4	-23	-41	-28	-11	-4	-10	-12
840	-50	-18	13	37	24	0	-23	-42	-50	-8
850	-31	52	21	57	60	51	33	7	-8	-19
860	-60	-10	61	61	60	60	31	0	0	-60
870	-39	-104	-19	-24	60	102	114	119	98	70
880	-39	-104	-19	-24	60	102	114	119	98	70
890	610	12	-13	-53	-81	-100	-89	-70	-30	-30
900	620	179	111	-53	-32	-41	-49	-31	31	114
910	630	140	127	71	-12	-22	-22	-22	9	21
920	155	179	180	127	71	-12	-22	-22	9	21
930	155	179	180	127	71	-12	-22	-22	9	21
940	155	179	180	127	71	-12	-22	-22	9	21
950	155	179	180	127	71	-12	-22	-22	9	21
960	155	179	180	127	71	-12	-22	-22	9	21
970	66	-11	60	21	71	61	53	43	32	12
980	66	-11	60	21	71	61	53	43	32	12
990	66	-11	60	21	71	61	53	43	32	12
1000	66	-11	60	21	71	61	53	43	32	12
1010	66	-11	60	21	71	61	53	43	32	12
1020	66	-11	60	21	71	61	53	43	32	12
1030	66	-11	60	21	71	61	53	43	32	12
1040	66	-11	60	21	71	61	53	43	32	12
1050	66	-11	60	21	71	61	53	43	32	12
1060	66	-11	60	21	71	61	53	43	32	12
1070	66	-11	60	21	71	61	53	43	32	12
1080	66	-11	60	21	71	61	53	43	32	12
1090	66	-11	60	21	71	61	53	43	32	12
1100	66	-11	60	21	71	61	53	43	32	12
1110	66	-11	60	21	71	61	53	43	32	12
1120	66	-11	60	21	71	61	53	43	32	12
1130	66	-11	60	21	71	61	53	43	32	12
1140	66	-11	60	21	71	61	53	43	32	12
1150	66	-11	60	21	71	61	53	43	32	12
1160	66	-11	60	21	71	61	53	43	32	12
1170	66	-11	60	21	71	61	53	43	32	12
1180	66	-11	60	21	71	61	53	43	32	12
1190	66	-11	60	21	71	61	53	43	32	12
1200	66	-11	60	21	71	61	53	43	32	12

TO BE CONTINUED

CONTINUED(S-312 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-243	-211	-82	-59	40	99	117	120	118	111
1060	78	59	50	50	50	38	28	12	-1	-24
1070	-43	-35	-41	-22	-66	48	52	89	113	137
1080	128	119	106	98	78	66	48	19	-6	-51
1090	-73	-82	-51	-10	58	93	98	89	58	8
1100	-103	-110	-80	-60	109	129	137	118	95	8
1110	58	37	39	97	132	147	137	126	102	89
1120	79	67	17	11	38	129	127	119	76	7
1130	16	-34	-43	-64	-63	-82	-102	-124	-142	-153
1140	-140	-143	-20	-26	47	69	98	126	128	128
1150	117	118	96	66	8	-27	-135	-174	-191	-193
1160	-163	0	51	119	126	126	100	68	20	-3
1170	-14	-13	6	20	38	49	48	39	41	27
1180	26	39	90	132	159	160	156	140	127	108
1190	77	48	8	-142	-157	-119	-11	6	28	20
1200	39	36	21	-3	-34	-63	-61	-42	-43	13
1210	157	189	187	173	128	106	47	26	17	6
1220	0	-1	-7	0	18	86	92	89	77	30
1230	6	-2	7	9	-7	-53	-77	-84	-87	-84
1240	-61	-64	30	110	149	176	169	156	105	28
1250	10	0	10	62	122	179	197	197	156	46
1260	-76	-177	-210	-207	-161	-13	60	153	173	188
1270	178	165	122	-20	-40	-31	-6	133	161	215
1280	256	221	156	121	161	-170	-158	-98	69	121
1290	172	220	227	200	157	119	121	118	118	95
1300	-33	-141	-180	-181	-160	-11	32	69	99	109
1310	107	87	21	-25	-54	-79	-90	-33	120	176
1320	220	225	197	153	59	0	-59	-52	-61	-55
1330	-10	133	131	138	117	69	-42	-71	-79	-89
1340	-91	-69	-54	84	104	139	138	136	63	30
1350	-41	-122	-160	-160	-150	-105	42	123	152	169
1360	142	117	-19	-91	-104	-110	-109	-50	22	133
1370	196	222	217	168	99	111	163	-197	-178	-129
1380	-14	91	159	159	148	108	35	-42	-64	-58
1390	-39	14	74	124	161	160	130	89	-11	-92
1400	-39	-118	-73	0	75	110	109	103	69	20
1410	20	-23	30	64	96	102	110	110	104	89
1420	39	-171	-182	-191	-173	-50	13	71	104	129
1430	131	108	42	4	-4	-10	-10	20	114	201
1440	211	192	59	-11	-90	-104	-99	-91	-18	33
1450	91	137	218	275	300	296	249	107	-49	-103
1460	-140	-126	-44	73	110	121	108	81	49	-1
1470	-60	-31	21	52	93	141	162	168	138	58
1480	-31	-70	-20	-41	29	52	48	2	-2	-2
1490	-23	-42	-20	8	59	81	112	151	164	170
1500	149	97	9	18	21	62	93	92	67	23
1510	-14	-45	-13	62	146	194	219	203	144	3
1520	-44	-166	-133	-139	-119	-29	32	81	121	129
1530	127	118	91	90	103	134	141	126	76	-4
1540	-111	-132	-142	-152	-136	-69	-20	-6	-2	-6
1550	-22	-40	-21	60	135	170	189	177	148	99
1560	62	50	38	32	21	19	7	8	1	3
1570	0	9	0	-1	30	71	82	82	66	12
1580	-31	-44	-53	-32	50	70	68	70	67	46

TO BE CONTINUED

CONTINUED(S-312 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	7	-23	-33	-36	-30	-15	39	92	120	137
1600	127	106	47	-53	-42	-53	-42	0	48	68
1610	90	96	89	178	19	-46	70	-72	-20	-13
1620	132	171	196	40	89	37	20	20	43	-20
1630	-30	-35	-13	42	67	82	88	68	40	-1
1640	88	-76	-90	-50	60	88	119	140	152	149
1650	40	90	32	-30	-60	-73	-76	-64	-43	9
1660	40	49	52	52	42	11	-103	-123	-139	-115
1670	28	72	92	118	116	82	-14	-36	-72	-102
1680	-101	-95	-85	-74	-68	-41	-36	-50	-66	-50
1690	-72	-92	-91	-59	-10	39	80	119	139	140
1700	130	109	60	14	0	-9	-21	-19	21	111
1710	122	143	152	137	88	-71	-111	-142	-162	-179
1720	170	152	22	58	134	160	180	178	167	157
1730	126	70	24	-9	-22	-19	-22	-19	-14	-25
1740	-10	-49	-51	-41	28	53	62	80	78	73
1750	80	88	101	81	41	51	-79	-93	-109	-81
1760	-9	0	4	9	11	11	4	-12	-39	-79
1770	-95	-102	-78	40	81	131	159	155	153	141
1780	98	8	-11	-25	-31	-14	51	70	61	40
1790	0	-42	-72	-93	-98	-80	-28	-49	20	42
1800	59	83	90	91	80	71	81	91	98	98
1810	82	30	-11	-19	19	11	112	119	112	0
1820	93	60	1	-61	-80	-60	-69	-50	-12	0
1830	0	-12	-29	-61	-80	-89	-85	-39	43	109
1840	140	168	150	110	30	49	-40	-31	21	60
1850	89	97	80	38	-84	-144	-164	-172	-117	-30
1860	59	132	189	198	178	125	-6	-61	-90	-95
1870	-71	12	32	48	47	28	-2	-73	-114	-131
1880	-112	-30	102	141	202	208	167	51	-159	-215
1890	-237	-243	-212	-109	2	77	102	144	226	152
1900	-122	-143	-158	-106	51	150	199	199	206	152
1910	39	-81	-135	-175	-205	-220	-199	-137	0	47
1920	101	109	86	6	-82	-117	-121	-92	0	47
1930	199	126	127	98	30	-95	-144	-152	-105	138
1940	172	253	234	187	67	95	-34	-34	-25	38
1950	80	97	89	64	-45	-108	-182	-161	-74	-74
1960	107	100	167	176	165	133	8	-93	-105	-114
1970	-102	-42	28	109	172	199	202	149	85	-17
1980	-54	-68	-65	-22	0	17	25	26	17	7
1990	-4	-26	-69	-96	-115	-122	-123	-84	18	30
2000	50	55	36	2	-36	-55	-72	-62	9	6
2010	111	140	169	176	155	97	25	-75	-79	-115
2020	-123	-115	-101	101	50	76	60	67	39	33
2030	-8	-23	8	82	118	110	70	18	-13	-28
2040	-12	28	47	96	87	96	98	85	47	42
2050	-33	-62	-42	78	121	158	146	138	115	-12
2060	-87	-123	-134	-144	-143	-133	-34	26	79	106
2070	137	138	116	96	-14	-44	-43	-43	-8	-8
2080	40	21	-24	-64	-74	-83	-93	-81	-61	-37
2090	87	107	118	116	100	91	99	98	91	82
2100	66	48	57	59	69	59	48	31	19	17
2110	20	41	67	56	37	28	7	-2	70	129
2120	169	169	166	118	88	-33	-74	-113	-186	-253

TO BE CONTINUED

CONTINUED(S-312 U-0)

CONTINUED(S-312 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-229	-186	-22	0	38	56	37	27	21	8
2140	47	87	129	156	148	132	127	107	61	59
2150	47	-11	-70	-82	-81	-92	-81	-60	27	100
2160	140	149	162	148	131	102	42	-105	-35	-26
2170	22	39	129	150	158	142	29	-105	-165	-130
2180	-270	-259	-220	-51	-31	21	80	58	0	-111
2190	-130	-120	-105	-73	-31	21	38	38	0	-30
2200	-132	-141	-148	-88	62	4	119	140	131	110
2210	70	30	13	10	4	7	8	10	9	9
2220	8	0	0	0	0	7	0	-6	-14	-31
2230	-23	0	94	149	161	168	152	133	110	72
2240	70	58	40	42	39	40	50	50	43	31
2250	10	0	12	59	190	199	186	136	63	63
2260	-13	-60	-91	-80	-71	-19	29	39	27	39
2270	0	-32	-39	-25	-1	31	90	129	148	142
2280	128	100	67	0	-20	-24	-20	-20	-30	0
2290	-32	-34	-33	-21	-10	8	8	0	0	9
2300	-12	-24	0	21	37	29	28	21	22	29
2310	18	-12	-31	-116	-132	-131	-110	-70	11	39
2320	69	80	53	-10	-82	-140	-151	-142	-118	-70
2330	40	69	70	58	27	30	-49	-29	-22	0
2340	12	21	29	32	29	12	7	-25	-25	-14
2350	-11	-11	-33	-53	-93	-131	-131	-120	-80	-50
2360	-32	-31	-30	-35	-41	-34	-19	-10	-15	-44
2370	-101	-132	-153	-168	-148	-109	-41	21	40	47
2380	40	49	32	20	3	13	174	191	200	197
2390	165	94	-82	-101	-99	-80	-43	-45	-11	41
2400	93	119	128	140	138	128	128	128	133	139
2410	138	122	118	97	92	108	111	120	127	105
2420	8	-62	-110	-141	-141	-119	-49	52	70	98
2430	109	82	68	51	47	-22	-60	-79	-62	-23
2440	63	81	79	70	51	12	-34	-113	-207	-264
2450	-273	-277	-238	-73	-45	10	81	111	108	100
2460	78	51	19	-23	-81	-99	-90	-75	-49	-10
2470	39	42	33	20	-1	-12	-1	-5	1	10
2480	-14	-22	1	53	61	65	42	19	0	-22
2490	-11	40	83	112	140	147	129	91	10	29
2500	-43	-25	21	60	78	68	60	49	3	-15
2510	1	29	69	120	170	182	178	123	-33	-95
2520	-141	-158	-11	-60	13	58	94	109	150	119
2530	50	10	-21	-29	-1	52	140	149	150	72
2540	60	-70	-94	-144	-180	-187	-151	-13	30	11
2550	92	100	83	173	59	40	41	13	0	-9
2560	-48	-50	-109	-111	-121	-121	-128	-114	-100	-80
2570	-11	-31	-10	13	23	19	9	1	-7	-14
2580	1	37	77	121	137	116	67	-22	-85	-111
2590	-111	-88	35	68	98	122	120	99	67	48
2600	28	-6	-12	-12	6	47	76	73	55	9
2610	-72	-81	-80	-63	17	39	49	45	39	19
2620	-22	-234	-41	-219	-39	33	19	-43	-123	-146
2630	8	8	17	28	39	33	19	-43	-123	-146
2640	39	38	36	35	30	31	11	7	35	19
2650	6	-21	-32	-30	-31	-11	5	3	6	15
2660	25	63	107	121	128	111	97	69	39	18

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-312 U-D)

CONTINUED(S-312 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	18	8	-1	-10	-22	-31	-32	-42	-33	-19
3220	7	29	49	69	83	77	66	66	38	24
3230	0	-43	-53	-50	-42	-32	-24	-16	-16	-72
3240	-1	-24	-22	-20	-21	-24	-44	-65	-79	-55
3250	-2	29	49	43	37	29	13	67	13	28
3260	46	55	45	26	4	-21	-30	-32	22	27
3270	18	13	7	-11	-21	-22	5	56	80	97
3280	99	87	55	28	3	-40	-60	-73	-63	-61
3290	-69	-46	-55	-11	27	47	55	59	56	54
3300	46	16	34	-23	-50	-82	-90	-89	-60	0
3310	-22	-32	-42	-43	-32	-2	35	63	77	79
3320	16	9	3	-42	-31	0	-21	-11	17	17
3330	37	56	37	4	0	-72	-71	-33	13	28
3340	16	9	3	-42	-31	-50	-61	-31	-41	-2
3350	38	37	29	39	26	-1	-22	-41	-50	-50
3360	-6	17	28	26	19	-1	-22	-41	-50	-50
3370	-21	35	84	108	110	97	77	36	-11	-42
3380	-51	-54	-52	-44	-36	-32	-10	-12	18	37
3390	38	45	28	16	0	-16	-21	0	16	6
3400	-4	-21	-34	-51	-41	-41	0	-51	-40	-59
3410	65	66	59	36	14	-12	-32	-51	-40	-59
3420	-45	-16	9	18	46	57	23	23	25	32
3430	-43	35	38	39	43	28	8	-11	-35	-32
3440	43	35	38	39	43	28	8	-11	-35	-32
3450	-31	-11	16	33	38	27	19	-4	-20	-41
3460	-5	-41	-30	-25	-19	-42	-53	-53	-32	-32
3470	43	46	63	69	63	69	57	28	28	37
3488	17	46	63	69	63	69	57	28	28	37
3490	-70	-54	-20	-16	28	39	42	28	19	9
3500	0	-12	-21	-21	-22	-14	7	27	49	54
3510	47	25	5	-22	-21	-12	36	59	67	77
3520	47	25	5	-22	-21	-12	36	59	67	77
3530	66	34	-3	-53	-74	-75	-44	-5	38	66
3540	77	66	55	24	0	0	-12	-12	-10	-43
3550	5	27	39	48	45	48	36	-33	-40	-23
3560	5	27	39	48	45	48	36	-33	-40	-23
3570	23	27	23	19	18	18	8	-10	-10	-23
3580	-3	-3	5	6	8	8	-2	-12	-32	0
3590	-53	-52	-12	-9	49	59	63	54	37	58
3600	-31	-42	-33	-42	7	29	36	40	31	-52
3610	25	8	-11	-46	-42	-40	-40	-40	-40	-40
3620	25	8	-11	-46	-42	-40	-40	-40	-40	-40
3630	-1	-12	-41	-15	-21	-53	-48	-45	-50	-25
3640	-4	-22	-41	-11	-50	-42	-40	-40	-40	-40
3650	24	13	6	19	29	18	0	-21	18	33
3660	-23	-12	14	35	6	7	0	-21	18	33
3670	-17	14	35	6	7	0	-21	18	33	33
3680	-5	-1	-1	-1	7	8	16	-2	15	-16
3690	39	26	-20	-4	6	8	18	-5	28	3
3700	39	26	-20	-4	6	8	18	-5	28	3
3710	-60	-36	45	18	27	28	19	0	-12	-23
3720	-7	18	-18	-1	10	6	-19	8	-3	-22
3730	-30	-16	-1	27	28	17	16	8	-6	-22
3740	-36	-16	-1	15	19	17	16	8	-6	-22

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-312 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4890	-13	-7	-13	-14	-13	-7	-4	-2	-2	-4
4900	-22	-21	-23	-23	-14	-12	-15	-18	-22	-24
4910	32	-2	-3	-6	-25	-26	-26	-33	7	28
4920	4	41	-1	17	-1	-14	-21	-24	-22	-23
4930	-23	-1	-12	-11	-12	-24	-24	-27	-24	-23
4940	-21	-26	-21	-33	-36	-42	-41	-47	-4	1
4950	-11	-22	-25	-31	-20	-13	-4	-7	-2	5
4960	4	-11	-12	-16	-11	-12	-1	-1	-1	7
4970	9	9	4	-1	-12	-12	-20	-33	-21	-25
4980	-22	25	28	19	-11	-10	-22	-28	-31	-33
4990	16	-4	0	6	6	15	7	7	3	3
5000	43	0	0	0	-1	-12	-25	-35	-43	-40
5010	-31	-26	-23	-31	-13	-4	0	-6	-6	-10
5020	-41	-31	-35	-24	-36	-42	-42	-50	-44	-46
5030	17	15	5	-1	-16	-21	-14	0	8	17
5040	15	15	18	-2	-12	-26	-27	-31	-20	-21
5050	17	15	27	8	-29	-53	-53	-57	-50	-52
5060	16	26	23	24	5	-12	-21	-16	-2	6
5070	15	-24	-3	7	6	8	6	5	2	1
5080	-2	-12	-3	-8	-22	-33	-35	-43	-24	-15
5090	-1	5	6	1	-1	-2	-5	-5	-4	-5
5100	-3	-2	-1	-5	-13	-2	-2	-2	-2	-2
5110	-2	17	17	-7	-11	-32	-21	-22	-32	-23
5120	-12	3	-13	-14	-22	-27	-24	-36	-15	-15
5130	36	3	20	-2	-23	-38	-43	-34	-14	-4
5140	1	4	6	-13	-15	-18	-22	-22	-14	-4
5150	-23	-21	-13	-15	-13	-12	-13	-13	-21	-21
5160	-16	-22	-13	-12	-15	-22	-13	-12	-12	-13
5170	-20	7	18	-32	-33	-31	-23	-21	-24	-26
5180	-22	-20	-12	-27	-38	28	13	7	-6	-3
5190	8	10	9	9	-12	-11	-4	0	0	8
5200	32	-31	-22	-15	-10	4	10	1	-10	-25
5210	-19	-29	-19	-20	-1	8	0	0	-11	-30
5220	1	1	-21	-29	-11	-10	1	9	1	-14
5230	14	12	10	-8	-17	-28	-25	-19	8	10
5240	-9	-9	-7	-8	-8	-40	-40	-32	-25	-25
5250	17	18	18	-18	-20	3	6	13	10	7
5260	22	18	-26	-21	-19	-16	-9	-6	-6	-6
5270	-16	-20	-16	-6	-16	-27	-35	-44	-45	-42
5280	-36	-30	-17	3	5	5	9	-5	-6	2
5290	11	12	13	-4	-14	-14	-3	-34	-25	-23
5300	15	15	-14	-25	-35	-35	-35	-35	-35	-35
5310	12	2	4	-4	-4	-4	-4	-4	-4	-4
5320	12	-25	-15	40	33	26	12	-18	-31	-35
5330	4	4	-15	-4	-4	-4	-4	-4	-4	-4
5340	-39	-16	-24	-29	-25	-14	-15	-15	-14	-18
5350	4	-4	-17	-36	-45	-35	-27	-15	2	13

TO BE CONTINUED

CONTINUED(S-312 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	2	-1	-16	-18	-14	-7	-4	12	14	3
4840	5	14	5	-5	-1	-3	-9	-4	-14	-17
4850	-16	-5	-15	-4	-4	5	5	5	5	4
4860	6	-5	-3	-4	-9	-13	-13	-13	-13	-13
4870	4	4	4	5	12	15	15	15	15	14
4880	-19	-13	-6	-4	-15	-5	-5	-5	-5	-23
4890	9	17	-18	-16	-13	-6	-6	6	6	6
4900	-34	-34	-33	-35	-28	-17	-16	-4	2	15
4910	11	-24	-6	-14	-21	-27	-27	-14	-2	-4
4920	13	0	-7	-23	-24	-15	-15	-4	2	12
4930	18	19	-4	-14	-17	-4	-4	-4	-4	-4
4940	14	-15	-15	-17	-13	14	14	5	5	5
4950	-14	-11	-15	-17	-11	-4	-4	-4	-4	-4
4960	-17	-27	-35	-36	-35	-34	-34	-25	-14	-5
4970	-4	-9	-15	-13	-23	-23	-23	-15	-6	-5
4980	-3	-4	-9	-14	-16	-24	-25	-18	-18	-16
4990	13	-6	6	15	14	4	4	4	4	4
5000	-19	-15	-5	-5	-5	-4	-4	-4	-4	-4
5010	-17	-18	-26	-37	-45	-23	-23	-13	-9	-4
5020	-6	-18	-11	-13	-18	-23	-23	-15	-5	3
5030	3	-5	-4	-18	-18	-25	-25	-24	-24	-24
5040	3	-5	-11	-14	-14	-9	-9	-6	-6	-6
5050	-16	-11	-13	-15	-15	-9	-9	-6	-6	-6
5060	2	-9	-13	-15	-15	-4	-4	-4	-4	-4
5070	-39	-6	-16	-35	-44	11	11	11	11	11
5080	6	-6	-16	-35	-44	11	11	11	11	11
5090	-23	-26	-23	-16	-14	-15	-15	-19	-19	-20
5100	-24	-18	-23	-16	-14	-13	-13	-16	-16	-22
5110	14	23	24	35	36	45	45	33	33	25
5120	14	23	24	35	36	45	45	33	33	25
5130	3	13	14	14	6	13	13	16	16	5
5140	11	14	21	12	0	14	14	26	26	9
5150	-27	-16	-9	-7	-5	-6	-6	-5	-5	-9
5160	-15	-16	-16	-16	-16	-20	-20	-17	-17	-17
5170	-36	-27	-25	-26	-26	-24	-24	-35	-36	-36
5180	16	4	4	10	10	15	15	15	15	15
5190	-18	-28	-36	-24	-24	-10	-10	-19	-19	-19
5200	-6	-27	-36	-37	-47	-65	-65	-47	-47	-47
5210	-11	-6	-6	-6	-6	-19	-19	-33	-33	-27
5220	-19	-11	-7	-6	-6	4	4	10	10	26
5230	11	-6	-7	-6	-6	-2	-2	0	0	0
5240	28	-16	-25	-26	-26	-15	-15	-27	-27	-27
5250	16	35	30	30	30	30	30	28	28	18
5260	-27	-30	-39	-39	-39	-32	-32	-19	-19	-18
5270	-29	-38	-38	-38	-38	-36	-36	-31	-31	-38
5280	-38	-30	-28	-29	-29	-16	-16	-8	-8	-17
5290	-21	-22	-29	-29	-29	-18	-18	-12	-12	-12
5300	-35	-29	-21	-22	-21	-21	-21	-33	-33	-29
5310	18	18	19	19	19	21	21	21	21	21
5320	-27	-27	-33	-33	-33	-38	-38	-41	-41	-41
5330	11	9	9	9	9	9	9	9	9	9
5340	-31	-28	-20	-20	-20	-20	-20	-20	-20	-20
5350	-31	-28	-20	-20	-20	-20	-20	-20	-20	-20
4820	4	-4	-17	-36	-45	-35	-27	-15	2	13

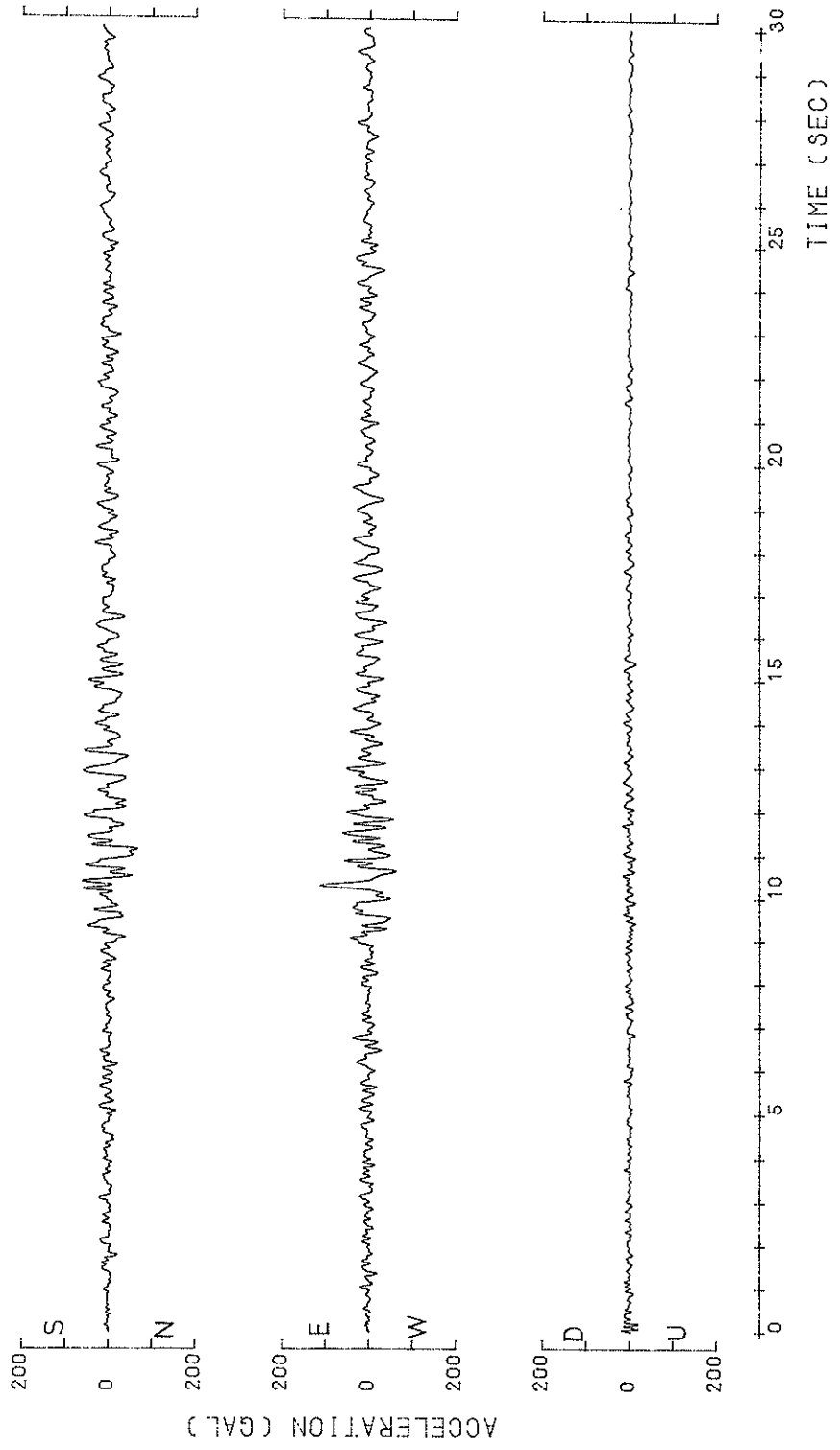
TO BE CONTINUED

CONTINUED(S-312 U-D)

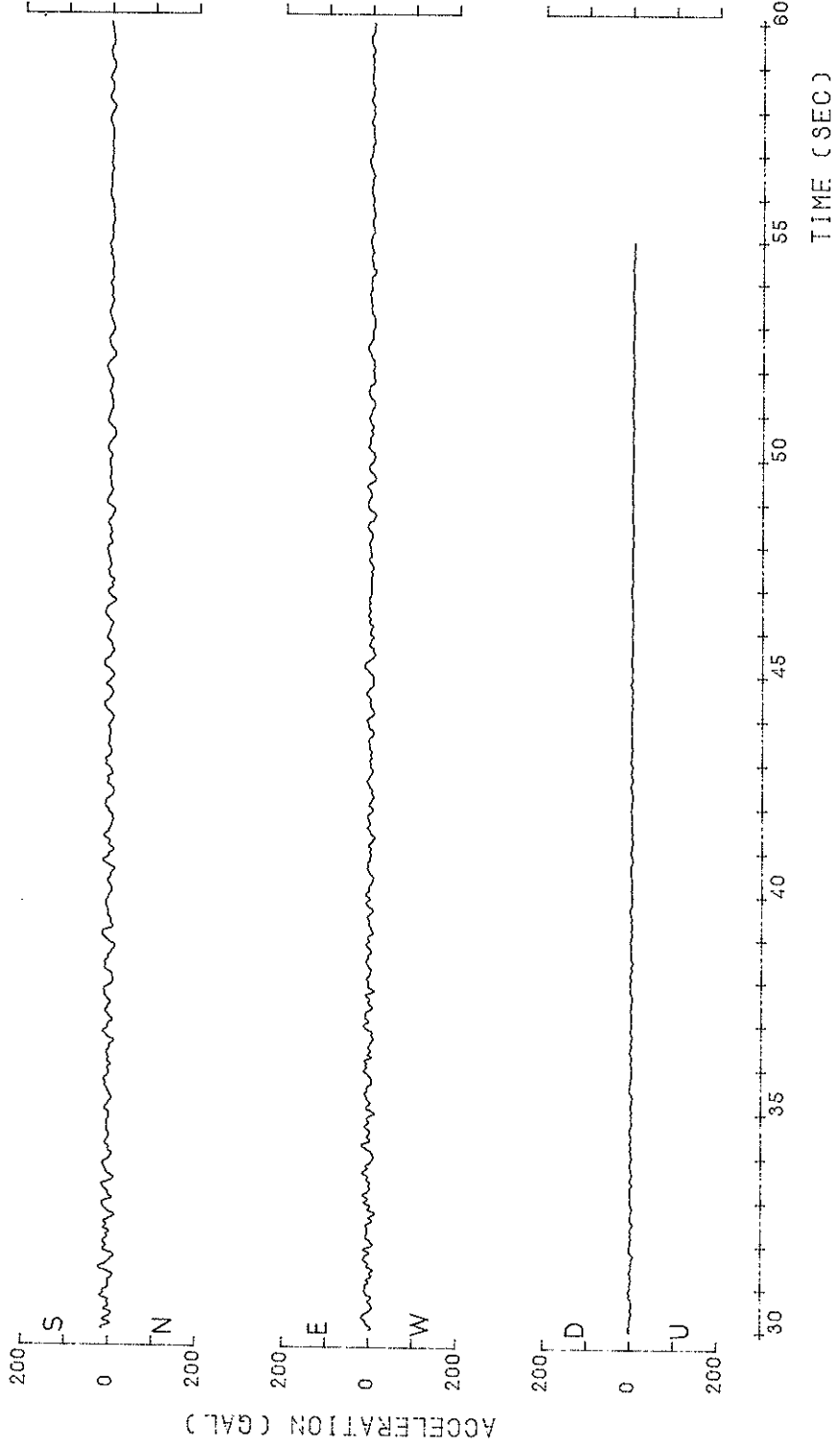
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	-28	-31	-24	-20	-21	-21	-25	-32	-34	-41
5380	-32	-29	-24	-24	-24	-27	-30	-33	-41	-43
5390	-45	-21	-52	-16	-40	-34	-32	-31	-24	-23
5400	-21	-20	-16	-10	-12	-10	-22	-35	-42	-45
5410	-41	-42	-32	-24	-19	-20	-22	-31	-30	-34
5420	-42	-41	-42	-41	-40	-32	-31	-20	-15	-12
5430	-20	-29	-29	-40	-40	-44	-51	-62	-42	-40
5440	-31	-21	-21	-11	-19	-22	-23	-30	-34	-41
5450	-40	-39	-31	-31	-31	-24	-23	-30	-40	-43
5460	-50	-51	-41	-11	-33	-24	-24	-32	-32	-39
5470	-41	-41	-41	-35	-31	-23	-21	-19	-24	-32
5480	-32	-42	-33	-24	-21	-22	-21	-21	-30	-32
5490	-32	-29	-29	-29	-31	-31	-31	-30	-30	-31
5500	-41	-44	-52	-52	-51	-44	-40	-41	-30	-31
5510	-31	-29	-31	-32	-33	-32	-32	-29	-31	-31
5520	-29	-24	-21	-22	-21	-19	-10	-10	-10	-15
5530	-22	-22	-20	-20	-11	-10	-4	-12	-21	-32
5540	-35	-35	-25	-11	5	7	-3	-20	-30	-41
5550	-43	-51	-42	-32	-23	-22	-15	-22	-24	-33
5560	-35	-35	-42	-42	-42	-33	-31	-32	-33	-32
5570	-32	-41	-42	-45	-33	-35	-22	-20	-23	-30
5580	-32	-41	-42	-42	-52	-51	-51	-42	-34	-32
5590	-22	-20	-20	-11	-11	-10	-12	-15	-21	-31
5600	-34	-42	-42	-42	-32	-32	-30	-33	-21	-21
5610	-21	-22	-26	-30	-32	-31	-41	-41	-40	-31
5620	-25	-13	-10	-22	-24	-24	-39	-45	-49	-42
5630	-39	-22	-11	0	-3	-14	-23	-31	-35	-31
5640	-31	-24	-24	-30	-30	-30	-32	-33	-22	-21
5650	-11	-13	-20	-19	-20	-21	-21	-23	-30	-36
5660	-42	-42	-39	-32	-29	-21	-23	-25	-29	-31
5670	-40	-40	-41	-41	-35	-30	-11	-2	-1	-11
5680	-22	-40	-42	-42	-33	-21	-11	-10	-20	-29
5690	-41	-51	-62	-52	-41	-29	-21	-10	-41	-42

END

S-340 SHINAGAWA-S 1968-07-01--19-45

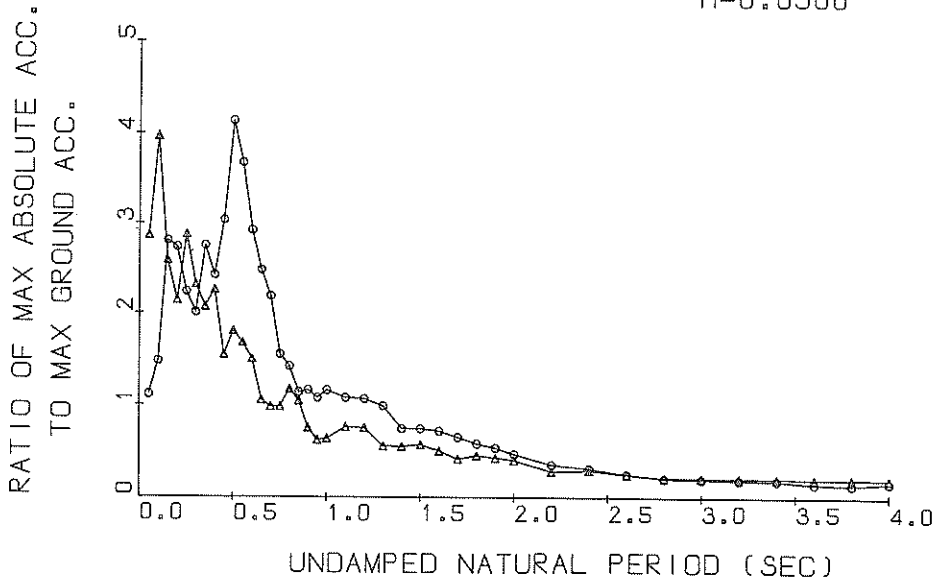


S-340 SHINAGAWA-S 1968-07-01-19-45



S-340 SHINAGAWA-S
1968-07-01-19-45

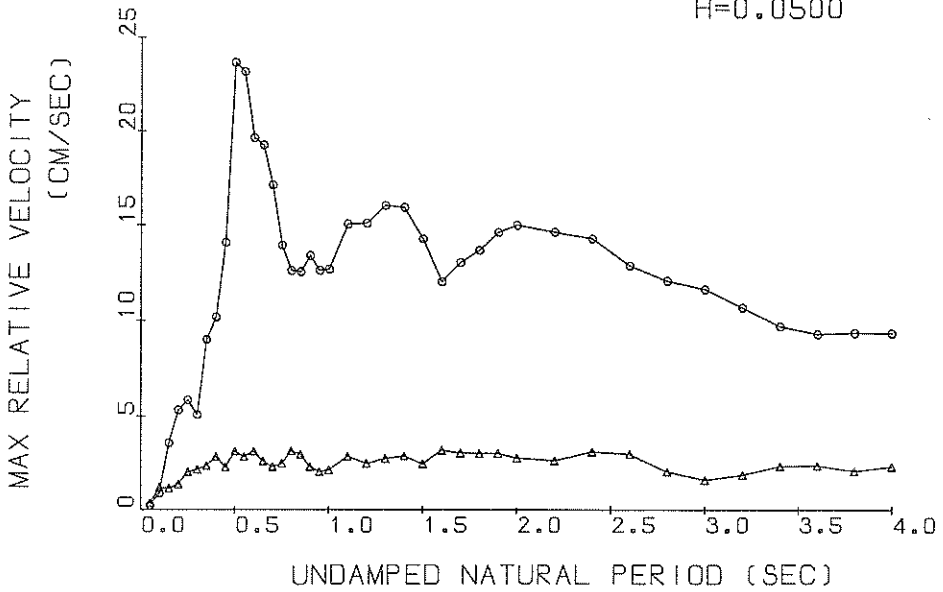
○ N-S
△ U-D
H=0.0500



Response Spectra

S-340 SHINAGAWA-S
1968-07-01-19-45

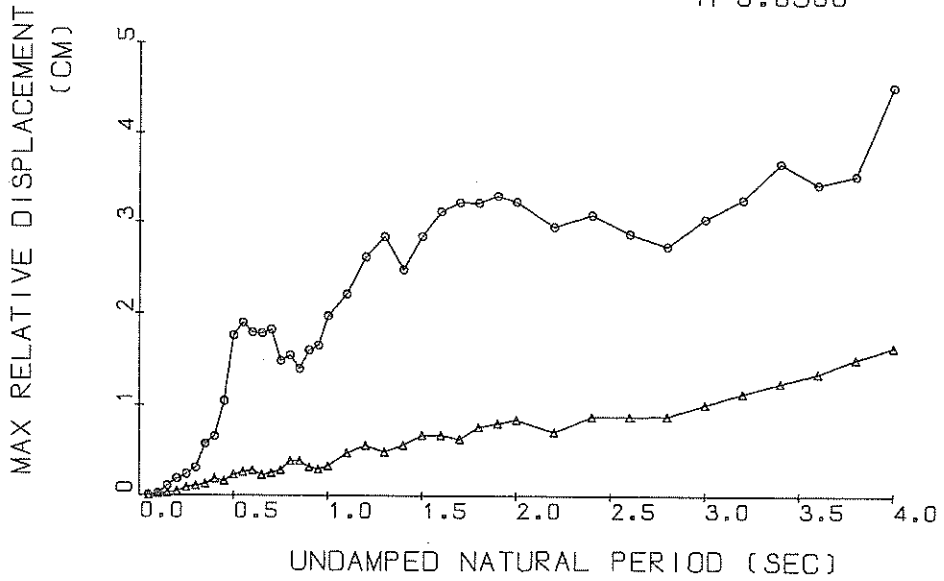
○ N-S
△ U-D
H=0.0500



Response Spectra

S-340 SHINAGAWA-S
 1968-07-01-19-45

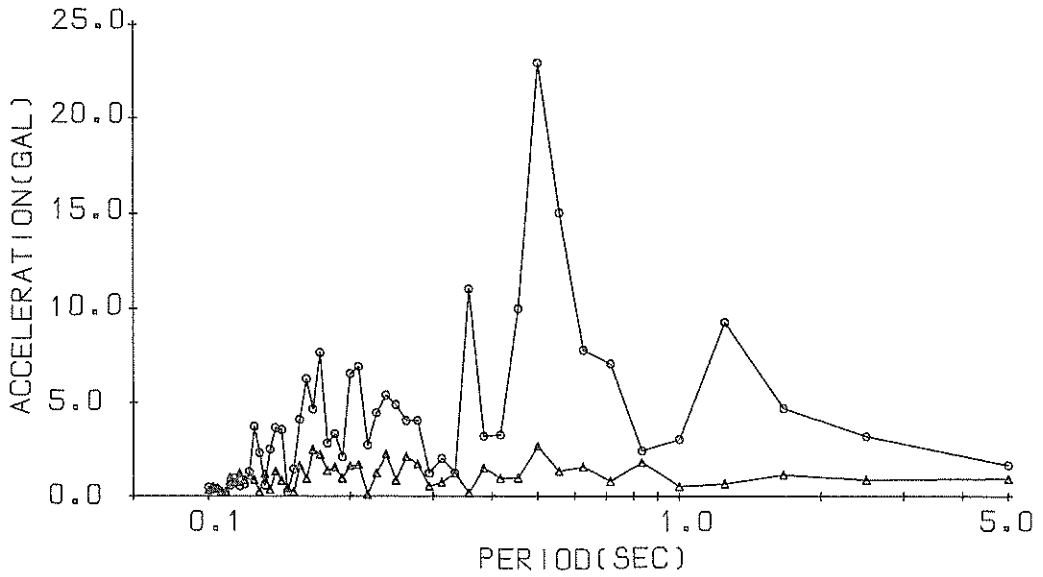
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-340

○ N-S TSK=9.00 TUS=5.00
 ▲ U-D TSK=9.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

PER	COMPONENT = U-D				SIGNAL = GR.ACC.				CORRECTION = ARC.ERR.				STATION = SHINAGAWA-S			
	DATE AND TIME = 1968-07-01-19-45		SAMPLING INTERVAL = 0.0100(SEC)		MAX.GROUND ACC. = 20.48 (GAL)		MAX.GROUND ACC. = 20.48 (GAL)		DAMPING = 0.025		DAMPING = 0.100		DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	
0.05	83.7	0.59	0.005	69.2	0.44	0.004	58.7	0.37	0.004	45.4	0.27	0.003	31.0	0.15	0.002	
0.10	283.0	4.46	0.072	95.6	1.40	0.024	81.3	1.19	0.020	61.1	0.91	0.015	37.3	0.49	0.009	
0.15	120.7	2.76	0.069	69.8	1.14	0.030	53.0	1.14	0.040	40.9	0.80	0.023	26.8	0.47	0.014	
0.20	184.6	5.78	0.187	61.8	1.79	0.063	44.0	1.36	0.045	33.6	1.05	0.033	25.5	0.63	0.023	
0.25	198.4	7.95	0.314	66.6	2.40	0.105	58.8	2.01	0.092	43.0	1.39	0.067	25.1	0.80	0.036	
0.30	130.8	6.21	0.298	56.9	2.66	0.130	47.5	2.15	0.107	37.4	1.50	0.084	23.8	1.02	0.049	
0.35	134.9	7.54	0.418	55.0	3.04	0.171	42.4	2.36	0.131	31.5	1.78	0.096	20.1	1.11	0.055	
0.40	133.5	8.59	0.541	67.5	4.24	0.273	46.3	2.85	0.187	28.6	1.66	0.113	17.8	1.10	0.064	
0.45	67.2	4.74	0.345	38.9	2.86	0.199	31.7	2.28	0.162	24.6	1.81	0.123	16.1	1.08	0.074	
0.50	151.5	12.02	0.960	57.5	4.78	0.363	37.1	3.12	0.233	23.8	1.88	0.148	16.0	1.16	0.091	
0.55	80.3	7.10	0.615	39.5	3.25	0.303	34.4	2.85	0.262	25.5	2.11	0.191	15.0	1.24	0.102	
0.60	93.1	9.08	0.849	43.7	4.33	0.398	30.7	3.13	0.278	20.5	2.11	0.183	13.1	1.23	0.103	
0.65	68.1	7.08	0.729	28.2	3.22	0.301	21.6	2.61	0.231	15.9	1.79	0.167	11.0	1.23	0.110	
0.70	33.0	3.68	0.410	22.8	2.51	0.283	20.1	2.29	0.248	16.0	1.92	0.193	10.7	1.26	0.124	
0.75	54.6	6.42	0.777	26.4	2.96	0.376	20.1	2.48	0.285	15.1	1.97	0.209	10.5	1.27	0.139	
0.80	52.5	6.97	0.850	30.4	4.04	0.491	24.1	3.14	0.388	16.3	2.01	0.255	10.3	1.24	0.152	
0.85	108.7	14.67	1.990	31.7	4.59	0.579	21.4	2.96	0.389	14.6	1.85	0.259	10.0	1.19	0.164	
0.90	44.3	6.18	0.908	20.6	3.00	0.422	15.4	2.31	0.315	12.4	1.83	0.245	9.6	1.14	0.174	
0.95	22.0	3.29	0.503	15.2	2.29	0.347	12.7	2.04	0.290	10.9	1.77	0.239	9.2	1.22	0.183	
1.00	32.8	5.03	0.830	15.7	2.37	0.397	13.0	2.14	0.329	10.1	1.84	0.245	8.8	1.27	0.191	
1.10	38.9	6.69	1.192	23.3	4.16	0.714	15.6	2.86	0.476	9.7	2.00	0.291	8.4	1.41	0.214	
1.20	27.2	5.37	0.991	18.7	3.15	0.680	15.4	2.48	0.559	11.2	2.03	0.395	7.9	1.51	0.234	
1.30	31.3	6.08	1.339	16.3	3.50	0.698	11.5	2.73	0.489	9.3	2.08	0.385	7.2	1.56	0.255	
1.40	36.6	7.91	1.818	16.7	4.17	0.829	11.4	2.89	0.561	8.5	2.15	0.411	6.7	1.58	0.283	
1.50	19.6	4.79	1.115	15.1	3.06	0.860	11.8	2.47	0.670	8.2	2.10	0.451	6.6	1.54	0.307	
1.60	19.5	5.31	1.266	13.4	3.90	0.866	10.4	3.17	0.673	7.5	2.49	0.461	6.3	1.75	0.325	
1.70	20.1	5.67	1.469	11.9	3.44	0.869	8.7	3.04	0.629	7.2	2.61	0.506	6.0	1.73	0.346	
1.80	22.9	6.63	1.881	12.5	3.56	1.024	9.4	3.02	0.764	7.2	2.58	0.562	5.6	1.75	0.369	
1.90	15.4	5.43	1.410	10.8	3.56	0.982	8.9	3.02	0.806	7.0	2.45	0.623	5.3	1.81	0.392	
2.00	13.1	4.21	1.327	9.9	3.17	1.004	8.4	2.78	0.840	6.6	2.38	0.647	5.0	1.88	0.413	
2.20	6.4	2.39	0.784	6.1	2.64	0.752	5.8	2.63	0.710	5.1	2.37	0.605	4.3	1.95	0.452	
2.40	11.4	4.92	1.667	7.7	3.57	1.128	6.1	3.11	0.877	4.4	2.53	0.631	4.0	1.97	0.487	
2.60	10.1	4.60	1.737	6.2	3.41	1.063	5.1	2.97	0.874	4.2	2.46	0.702	3.8	1.93	0.577	
2.80	5.6	2.91	1.106	4.6	2.27	0.914	4.4	2.05	0.879	4.2	2.07	0.816	3.7	1.85	0.676	
3.00	4.8	2.09	1.089	4.6	1.73	1.046	4.4	1.60	1.007	4.2	1.80	0.935	3.6	1.77	0.772	
3.20	4.7	2.68	1.219	4.5	2.17	1.171	4.4	1.89	1.127	4.1	1.87	1.048	3.6	1.72	0.865	
3.40	5.1	3.15	1.497	4.4	2.67	1.288	4.3	2.37	1.240	4.1	2.03	1.154	3.6	1.69	0.935	
3.60	6.0	3.36	1.965	4.6	2.73	1.491	4.1	2.39	1.346	4.0	2.00	1.254	3.6	1.64	1.037	
3.80	6.3	3.36	2.321	5.0	2.58	1.815	4.2	2.07	1.502	3.8	1.73	1.370	3.5	1.57	1.124	
4.00	6.5	4.00	2.644	4.8	2.87	1.954	4.1	2.31	1.631	3.8	1.75	1.489	3.5	1.50	1.224	

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-340 COMPONENT = U-D STATION = SHINGANA-S
 SCALE AND TIME 1968-07-01-16-45 TOTAL NUMBER OF DATA = 5500
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-16	18	46	64	129	184	35	-102	-204	-99
10	-56	-97	-94	64	139	142	58	169	-182	-203
20	-77	-173	-3	68	153	108	114	102	103	23
30	98	106	116	121	171	112	107	204	29	
40	13	23	82	61	43	53	43	32	32	-31
50	32	-27	21	16	43	52	41	30	18	26
60	-39	21	74	-13	-16	-67	-68	-70	-68	-20
70	-69	-68	-40	60	34	95	172	62	61	0
80	-69	-68	-9	20	34	95	102	110	114	63
90	35	50	0	0	29	59	24	33	34	24
100	51	52	9	-11	-13	9	22	14	19	3
110	46	48	61	60	51	32	50	14	43	-9
120	-41	48	-32	-34	-44	-30	-53	-28	-27	-28
130	20	70	71	30	36	32	28	-34	94	73
140	-71	-27	-52	-35	-10	8	17	27	38	36
150	31	57	20	16	49	36	36	-2	36	41
160	59	58	47	26	7	-21	-44	-45	-44	-21
170	0	23	0	86	89	15	53	16	-19	-34
180	-32	-39	-34	-23	-22	-8	5	23	46	5
190	-13	-25	-25	-25	-22	-8	-13	-13	32	63
200	81	89	80	28	15	-15	-12	23	63	83
210	94	97	73	-13	-12	-15	-20	26	26	27
220	-14	-35	-17	-46	-34	-35	-23	-23	-21	-13
230	04	13	13	76	66	16	22	13	11	7
240	27	19	-22	32	34	-16	-17	-13	-12	-3
250	3	-13	-1	-14	-14	9	-12	-15	-15	-36
260	-39	-57	-4	12	24	27	19	-13	-15	-17
270	2	19	57	106	111	122	112	93	43	23
280	11	-15	-3	13	23	13	53	5	32	14
290	-27	-15	-3	38	37	-36	-27	-8	-45	5
300	21	-23	-38	34	23	11	-26	-67	-23	-36
310	26	41	34	14	43	43	31	23	23	23
320	-10	-7	23	35	54	65	43	17	17	2
330	16	-24	-23	-23	4	-2	-1	2	-15	-19
340	-28	-48	-13	-18	-22	12	36	67	53	23
350	59	-48	-13	18	33	36	55	15	15	53
360	47	45	47	45	33	13	-15	-15	-15	-19
370	-25	-37	-44	-44	-38	-30	-15	-5	-2	-13

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	33	89	113	139	153	147	107	59	11	-36
1060	-81	-101	-112	-101	-73	-73	-19	-2	17	31
1070	39	10	-17	-52	-61	-61	-64	-64	-62	-52
1080	-51	-41	-9	9	38	48	52	27	0	-21
1090	-52	-70	-101	-129	-136	-136	-129	-102	-32	27
1100	59	89	111	129	139	131	117	97	63	38
1110	18	-1	-12	-19	-20	-20	-9	-7	28	48
1120	60	62	70	50	30	30	-31	-53	-71	-73
1130	-72	-34	0	10	10	18	9	-11	-22	-11
1140	-21	-9	1	22	41	57	70	57	37	11
1150	0	-7	-9	-2	8	22	31	33	31	28
1160	28	28	28	39	57	90	121	154	159	147
1170	88	71	8	-18	-70	-73	-82	-85	-82	-56
1180	-42	-19	-10	18	47	40	37	38	2	-9
1190	-31	-31	-42	-41	-42	-40	-8	8	20	37
1200	49	48	9	-12	-35	-35	-91	-83	-53	11
1210	52	70	102	122	128	122	118	110	89	88
1220	88	88	87	78	67	48	18	-19	-52	-61
1230	-81	-90	-90	-90	-72	-52	-33	-1	31	69
1240	77	79	79	59	40	3	-18	-20	-44	-61
1250	-61	-71	-82	-85	-86	-73	-62	-50	-31	-6
1260	9	18	39	49	63	92	122	142	149	39
1270	128	109	89	78	70	59	48	42	39	28
1280	18	19	10	-17	-11	3	-29	-40	-43	-40
1290	-31	-30	-30	-31	29	32	19	50	57	53
1300	49	40	39	31	29	19	29	29	59	79
1310	99	123	131	132	131	118	99	61	49	40
1320	18	0	-8	-18	-31	-39	-52	-72	-83	-80
1330	-59	-41	-29	9	29	41	40	28	13	2
1340	-15	-32	-42	-42	-34	-34	-32	-25	-20	-11
1350	9	49	61	61	69	71	71	63	49	39
1360	29	19	10	8	11	19	23	30	31	29
1370	21	11	-1	-1	2	20	21	39	50	61
1380	68	60	49	28	9	-15	-31	-34	-39	-50
1390	-52	-51	-45	-39	-19	4	11	30	61	85
1400	110	124	131	143	140	121	100	54	19	10
1410	-11	-18	-29	-18	-9	3	11	30	32	43
1420	58	63	70	73	74	70	69	51	29	9
1430	-11	-33	-52	-43	-81	-81	-90	-91	-89	-91
1440	-71	-53	-45	-41	-35	-21	-8	2	9	12
1450	20	30	40	60	71	78	64	43	23	9
1460	-11	-20	-32	-31	-21	-8	9	39	48	54
1470	43	30	11	-8	-30	-52	-62	-63	-63	-61
1480	-35	-18	-11	-8	-5	0	-1	-1	11	13
1490	31	41	50	59	50	10	-8	-26	43	40
1500	-51	-33	0	20	31	48	52	48	40	40
1510	28	20	-13	7	3	0	8	11	10	53
1520	89	101	119	127	128	121	103	89	60	39
1530	21	9	-11	-40	-70	-91	-110	-131	-140	-139
1540	-122	-104	-92	-72	-44	-9	10	38	68	89
1550	109	108	117	111	109	99	80	58	48	32
1560	18	8	0	-12	-11	-19	-20	-19	-12	-1
1570	23	31	38	37	28	17	11	11	9	18
1580	28	37	43	49	42	39	29	20	13	7

TO BE CONTINUED

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	-2	-9	-19	-31	-42	-34	-19	-9	3	18
1600	38	38	38	38	17	-6	-41	-55	-71	-8
1610	-72	-53	-32	-19	2	7	18	18	13	8
1620	7	-1	9	9	31	49	60	68	51	39
1630	20	19	8	-8	-21	-33	-21	-21	-30	-32
1640	-33	-34	-41	-41	-41	-34	-33	-33	-19	-12
1650	-2	9	19	22	28	28	17	12	30	34
1660	0	-1	0	2	7	19	23	30	34	32
1670	29	29	29	29	40	40	39	31	31	18
1680	8	-5	-11	-17	-30	-20	-7	9	18	30
1690	29	29	28	2	-20	-33	-34	-40	-32	-31
1700	-20	-29	-31	-33	-35	-39	-41	-33	-11	11
1710	32	49	61	71	82	89	89	88	81	73
1720	68	64	59	54	49	44	41	29	18	9
1730	0	-5	1	-34	-39	-40	-40	-39	-29	-9
1740	-6	-16	-28	-34	-40	-40	-40	-39	-29	-9
1750	9	45	81	99	113	122	122	120	111	92
1760	69	51	32	19	4	-7	-8	-30	-41	-58
1770	-69	-81	-91	-92	-92	-90	-90	-88	-85	-68
1780	-72	-61	-49	-30	-9	10	20	31	31	33
1790	39	39	32	83	93	92	82	52	32	19
1800	5	42	63	63	93	92	87	52	31	33
1810	21	6	0	-4	-4	-16	-17	-17	-47	-48
1820	-47	-40	-29	0	-4	31	34	41	41	41
1830	31	24	21	11	11	16	33	62	83	92
1840	104	104	100	100	91	81	72	73	51	42
1850	14	-15	-29	-33	-38	-41	-30	-18	-16	-16
1860	-16	-28	-30	-38	-41	-42	-39	-11	-18	-9
1870	-7	-7	-9	-9	-7	1	10	14	25	42
1880	51	61	66	62	62	42	14	7	38	51
1890	-61	-71	-67	-59	-48	-40	-39	-38	-40	-40
1900	-48	-50	-50	-50	-42	-37	-27	2	22	42
1910	46	53	64	61	54	42	43	32	42	43
1920	62	74	81	85	84	73	64	52	32	25
1930	23	16	3	-8	-17	-27	-32	-37	-37	-29
1940	-13	-12	2	1	1	-2	-6	-6	3	4
1950	11	15	23	22	15	12	11	11	11	11
1960	11	11	11	11	12	11	1	-8	-27	-27
1970	-37	-36	-36	-27	-12	-15	-8	13	25	34
1980	34	34	25	17	12	-7	-29	-36	-40	-40
1990	-42	-48	-48	-49	-48	-47	-39	-37	-35	-30
2000	-7	-14	-14	2	6	13	23	23	23	28
2010	36	36	35	35	34	33	33	33	33	34
2020	33	23	13	12	6	-5	-6	-5	-5	-7
2030	-3	3	13	13	16	17	12	4	-5	-11
2040	-4	2	2	13	16	12	4	-5	-11	-11
2050	26	27	32	32	33	34	27	23	23	23
2060	22	25	33	35	44	42	43	44	44	36
2070	33	23	24	13	7	8	7	13	6	2
2080	13	13	14	13	14	13	6	6	5	2
2090	-4	-11	-16	-21	-25	-29	-37	-39	-38	2
2100	-35	-35	-26	-14	-1	9	17	17	14	13
2110	7	3	3	3	4	4	4	4	4	4
2120	-14	-13	-13	-16	-16	-14	-10	-13	-15	-13

TO BE CONTINUED

CONTINUED(S-340 U-D)

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-16	-15	-14	-11	-3	-3	16	34	65	86
2140	97	104	105	105	99	93	74	57	44	23
2150	-15	-36	-44	-48	-54	-55	-54	-45	-5	24
2160	4	8	6	3	-6	-3	-4	14	15	69
2170	27	45	55	63	69	77	76	77	77	17
2180	73	64	54	37	24	6	-12	-35	-39	-44
2190	-48	-48	-55	-55	-48	-47	-44	-39	-33	-15
2200	6	14	25	33	44	55	57	56	44	37
2210	24	14	14	4	-5	-28	-27	-47	-54	-54
2220	-58	-58	-57	-55	-46	-28	-26	-24	-15	13
2230	-13	-16	-13	-4	4	16	14	24	24	14
2240	7	0	-6	-5	-2	14	34	37	47	47
2250	47	45	44	34	34	36	28	24	16	14
2260	19	23	25	24	24	27	26	24	15	4
2270	5	-6	-12	-12	-12	-6	1	3	4	4
2280	7	4	4	3	4	13	17	27	34	34
2290	35	38	34	34	36	27	24	25	14	53
2300	3	2	3	13	25	33	44	54	53	53
2310	43	33	23	12	4	-6	-15	-17	-6	-6
2320	-16	-15	-17	-11	-12	-3	2	7	-7	-1
2330	3	-1	-14	-7	-7	-6	-7	-7	-7	-1
2340	5	12	15	25	23	16	13	13	8	3
2350	-4	-4	-3	-4	-4	-7	-7	-4	-4	3
2360	-2	3	2	3	-2	-5	-11	-15	-28	-27
2370	-26	-26	-29	-28	-25	-17	-17	-21	-28	-28
2380	-26	-28	-35	-26	-16	-15	-16	-17	-27	-27
2390	-28	-37	-36	-41	-45	-47	-38	-29	-16	-6
2400	15	16	36	75	85	93	103	84	84	84
2410	77	75	65	65	64	48	45	45	45	45
2420	52	55	52	52	55	54	45	45	55	55
2430	53	46	37	33	23	4	-6	-6	-59	-59
2440	-85	-87	-87	-85	-76	-56	-38	-16	3	23
2450	25	34	34	27	24	17	15	15	24	23
2460	25	35	43	45	45	44	44	37	34	27
2470	17	15	14	3	-13	-25	-35	-37	-37	-14
2480	-36	-24	-24	-15	-10	-6	-6	-13	-14	-14
2490	-24	-25	-24	-28	-28	-30	-34	-38	-37	-36
2500	-30	-14	-3	14	25	37	39	55	56	64
2510	66	55	45	35	16	8	5	-5	-9	-5
2520	-3	4	4	5	0	-11	-13	-28	-36	-38
2530	-43	-43	-19	-11	15	8	10	15	17	24
2540	18	16	15	17	15	15	12	12	15	11
2550	26	36	35	34	24	5	4	-5	-7	-7
2560	14	14	15	14	6	4	4	4	15	15
2570	17	-10	-14	-14	-4	-4	-5	-4	4	4
2580	12	25	44	44	32	29	22	19	13	12
2590	14	22	24	32	34	34	22	22	22	22
2600	15	10	4	3	-14	-19	-20	-20	-25	-24
2610	-17	-10	-14	-14	-8	-18	-10	-9	-6	4
2620	-5	5	1	4	-5	12	9	4	3	5
2630	2	1	1	-5	14	15	13	15	15	22
2640	22	24	24	25	32	32	32	45	47	47
2650	49	54	44	46	46	35	29	25	19	19
2660	13	12	5	3	-4	-10	-15	-15	-15	-15

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-340 - U-D)

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	6	8	6	5	0	3	-11	-11	-10	-11
3220	-10	-11	-10	5	0	5	6	4	-1	0
3230	6	-5	-10	-5	-2	-2	8	8	9	9
3240	-53	-52	-52	-35	-13	-16	-33	-41	-51	-52
3250	1	1	1	2	-1	1	5	5	2	5
3260	-1	-1	-4	-1	-2	-2	-5	-2	-2	-2
3270	-15	-23	-24	-26	-13	-14	-32	-31	-32	-36
3280	-22	-21	-21	-21	-17	-17	-32	-31	-32	-36
3290	6	11	17	14	17	17	13	6	1	-2
3300	-4	1	5	1	14	14	21	14	14	14
3310	4	7	6	5	7	11	7	12	12	14
3320	6	17	14	16	11	17	-2	-13	-16	-23
3330	17	24	26	-23	-18	-13	-7	-6	-4	-6
3340	-28	-27	-24	-23	-18	-13	-6	-9	-13	-16
3350	21	24	22	23	3	3	-6	-4	-13	-13
3360	-16	-14	-14	-23	-23	-24	-23	-18	-13	-14
3370	-13	13	13	13	13	14	13	4	10	6
3380	14	13	21	20	16	14	13	11	10	6
3390	6	6	6	5	5	-4	-13	-13	-15	-15
3400	-19	-14	-13	-23	-14	-13	-13	-13	-16	-13
3410	-14	-13	-8	-3	-4	-13	-13	6	16	13
3420	13	4	3	11	13	-14	-14	-6	-4	0
3430	4	3	3	11	13	-14	-14	-6	-4	0
3440	-4	-6	-6	-6	-9	-23	-23	26	20	16
3450	-13	-6	-6	-6	-14	5	12	-13	-13	16
3460	24	23	23	26	24	23	20	16	10	6
3470	0	3	17	17	-12	-6	-16	-17	-19	-4
3480	-24	-23	-23	-17	-14	-6	-14	-13	-13	-7
3490	-9	-13	-14	-16	-14	-6	-13	-13	-13	-3
3500	-5	-6	-9	-14	-14	-13	-13	-13	-13	-7
3510	-5	-3	0	2	4	6	6	4	1	0
3520	-6	-6	-9	-14	-12	-6	-13	-13	-14	-14
3530	-14	-17	-19	-23	-23	-26	-35	-44	-54	-64
3540	-35	-29	-24	-25	-23	-27	-35	-45	-55	-64
3550	24	29	36	36	35	37	39	35	25	21
3560	20	13	16	16	13	13	12	16	14	14
3570	11	10	10	10	10	10	4	6	4	4
3580	-4	-6	-4	-16	-14	-23	-17	-13	-15	-13
3590	-13	-13	-13	-13	-16	-14	-14	-13	-14	-18
3600	-15	-15	-15	-23	-17	-15	-15	-13	-15	-13
3610	-13	-13	-13	-14	-13	2	2	2	2	2
3620	-4	-4	-4	-5	-5	-14	-18	-16	-23	-23
3630	-13	-14	-13	-6	-6	-13	-14	-13	-13	-2
3640	0	1	22	24	20	13	6	5	3	3
3650	1	5	4	13	13	-14	-13	-7	-6	-6
3660	1	4	1	4	0	-4	-24	-24	-24	-18
3670	-16	-13	-6	-3	1	3	6	3	3	6
3680	5	5	6	6	13	13	-4	-4	-3	-4
3690	-7	-4	-4	-13	-8	-13	-13	-13	-13	-1
3700	2	3	3	3	3	3	3	3	3	3
3710	-7	-4	-5	-3	-4	-13	-13	-13	-13	-5
3720	-3	-3	-3	-3	-3	-3	-4	-4	-4	-4
3730	3	3	3	10	13	13	10	4	5	3
3740	1	0	-3	-3	-3	-2	-4	0	-4	-3

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	-4	-8	-8	-9	-14	-18	-21	-19	-11	-9
4300	-4	-8	-8	-9	-14	-18	-21	-19	-11	-9
4310	-4	-8	-8	-9	-14	-18	-21	-19	-11	-9
4320	8	1	1	1	5	0	0	1	1	10
4330	8	1	1	1	5	0	0	1	1	10
4340	8	1	1	1	5	0	0	1	1	10
4350	8	1	1	1	5	0	0	1	1	10
4360	8	1	1	1	5	0	0	1	1	10
4370	8	1	1	1	5	0	0	1	1	10
4380	8	1	1	1	5	0	0	1	1	10
4390	8	1	1	1	5	0	0	1	1	10
4400	8	1	1	1	5	0	0	1	1	10
4410	8	1	1	1	5	0	0	1	1	10
4420	8	1	1	1	5	0	0	1	1	10
4430	8	1	1	1	5	0	0	1	1	10
4440	8	1	1	1	5	0	0	1	1	10
4450	8	1	1	1	5	0	0	1	1	10
4460	8	1	1	1	5	0	0	1	1	10
4470	8	1	1	1	5	0	0	1	1	10
4480	8	1	1	1	5	0	0	1	1	10
4490	8	1	1	1	5	0	0	1	1	10
4500	8	1	1	1	5	0	0	1	1	10
4510	8	1	1	1	5	0	0	1	1	10
4520	8	1	1	1	5	0	0	1	1	10
4530	8	1	1	1	5	0	0	1	1	10
4540	8	1	1	1	5	0	0	1	1	10
4550	8	1	1	1	5	0	0	1	1	10
4560	8	1	1	1	5	0	0	1	1	10
4570	8	1	1	1	5	0	0	1	1	10
4580	8	1	1	1	5	0	0	1	1	10
4590	8	1	1	1	5	0	0	1	1	10
4600	8	1	1	1	5	0	0	1	1	10
4610	8	1	1	1	5	0	0	1	1	10
4620	8	1	1	1	5	0	0	1	1	10
4630	8	1	1	1	5	0	0	1	1	10
4640	8	1	1	1	5	0	0	1	1	10
4650	8	1	1	1	5	0	0	1	1	10
4660	8	1	1	1	5	0	0	1	1	10
4670	8	1	1	1	5	0	0	1	1	10
4680	8	1	1	1	5	0	0	1	1	10
4690	8	1	1	1	5	0	0	1	1	10
4700	8	1	1	1	5	0	0	1	1	10
4710	8	1	1	1	5	0	0	1	1	10
4720	8	1	1	1	5	0	0	1	1	10
4730	8	1	1	1	5	0	0	1	1	10
4740	8	1	1	1	5	0	0	1	1	10
4750	8	1	1	1	5	0	0	1	1	10
4760	8	1	1	1	5	0	0	1	1	10
4770	8	1	1	1	5	0	0	1	1	10
4780	8	1	1	1	5	0	0	1	1	10
4790	8	1	1	1	5	0	0	1	1	10
4800	8	1	1	1	5	0	0	1	1	10
4810	8	1	1	1	5	0	0	1	1	10
4820	8	1	1	1	5	0	0	1	1	10

TO BE CONTINUED

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	-10	-17	-17	-18	-16	-16	-16	-17	-18	-17
4840	-10	-17	-17	-18	-16	-16	-16	-17	-18	-17
4850	-10	-17	-17	-18	-16	-16	-16	-17	-18	-17
4860	-8	-7	-6	-5	-5	-5	-5	-6	-6	-5
4870	4	4	4	4	4	4	4	4	4	4
4880	0	0	0	0	0	0	0	0	0	0
4890	0	0	0	0	0	0	0	0	0	0
4900	-6	-5	-2	-2	-7	-5	-6	-6	-5	-6
4910	-6	-5	-2	-2	-7	-5	-6	-6	-5	-6
4920	3	1	4	3	3	1	1	1	1	1
4930	3	1	4	3	3	1	1	1	1	1
4940	10	11	12	14	14	11	15	14	13	20
4950	21	21	25	26	13	14	12	11	12	13
4960	12	9	5	5	5	5	5	4	4	5
4970	12	9	5	5	5	5	5	4	4	5
4980	-7	-15	-17	-15	-17	-14	-17	-14	-8	-5
4990	-7	-15	-17	-15	-17	-14	-17	-14	-8	-5
5000	-15	-14	-15	-14	-8	-8	-4	-5	-11	-16
5010	-14	-14	-15	-14	-8	-8	-4	-5	-11	-16
5020	-17	-16	-17	-15	-15	-14	-15	-10	-16	-16
5030	-17	-16	-17	-15	-15	-14	-15	-10	-16	-16
5040	-7	-9	-7	-2	-5	-5	-7	-4	-4	-5
5050	5	2	2	2	2	2	2	1	0	0
5060	-4	2	2	-2	-7	-10	-16	-14	-14	-14
5070	-18	-16	-16	-23	-6	-10	-18	-14	-14	-14
5080	-16	-16	-14	-8	-6	-7	-10	-15	-15	-14
5090	-6	-6	-4	-6	-6	-7	-10	-15	-15	-14
5100	5	4	4	5	5	12	13	13	14	9
5110	12	14	17	6	5	5	6	5	5	12
5120	15	15	16	6	5	5	6	5	5	12
5130	-15	-15	-6	-7	-5	-4	-7	-4	-4	-5
5140	-4	-3	-4	-3	-3	-7	-7	-3	-3	-5
5150	-4	-3	-4	-3	-3	-7	-7	-3	-3	-5
5160	-10	-8	-7	-5	-5	-5	-6	-8	-9	-9
5170	-15	-15	-14	-14	-17	-14	-16	-17	-17	-17
5180	-18	-20	-24	-25	-24	-24	-27	-27	-27	-27
5190	-14	-15	-16	-15	-14	-16	-16	-17	-17	-17
5200	-15	-15	-16	-15	-14	-16	-16	-17	-17	-17
5210	-17	-14	-14	-10	-14	-20	-16	-16	-15	-17
5220	-18	-14	-17	-10	-15	-16	-15	-14	-14	-15
5230	-9	-9	-9	-8	-10	-16	-15	-14	-14	-15
5240	-14	-14	-14	-9	-10	-16	-15	-14	-14	-15
5250	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
5260	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
5270	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
5280	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
5290	-18	-18	-17	-16	-14	-15	-14	-16	-16	-16
5300	-14	-18	-17	-16	-14	-15	-14	-16	-16	-16
5310	-25	-18	-18	-14	-14	-15	-16	-18	-18	-18
5320	-16	-14	-14	-15	-14	-15	-16	-18	-18	-18
5330	-18	-24	-22	-23	-25	-23	-25	-26	-26	-26
5340	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5350	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5360	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5370	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5380	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5390	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5400	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5410	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5420	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5430	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5440	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5450	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5460	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5470	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5480	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5490	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5500	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5510	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5520	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5530	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5540	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5550	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5560	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5570	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5580	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5590	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24
5600	-25	-24	-24	-24	-24	-24	-24	-24	-24	-24

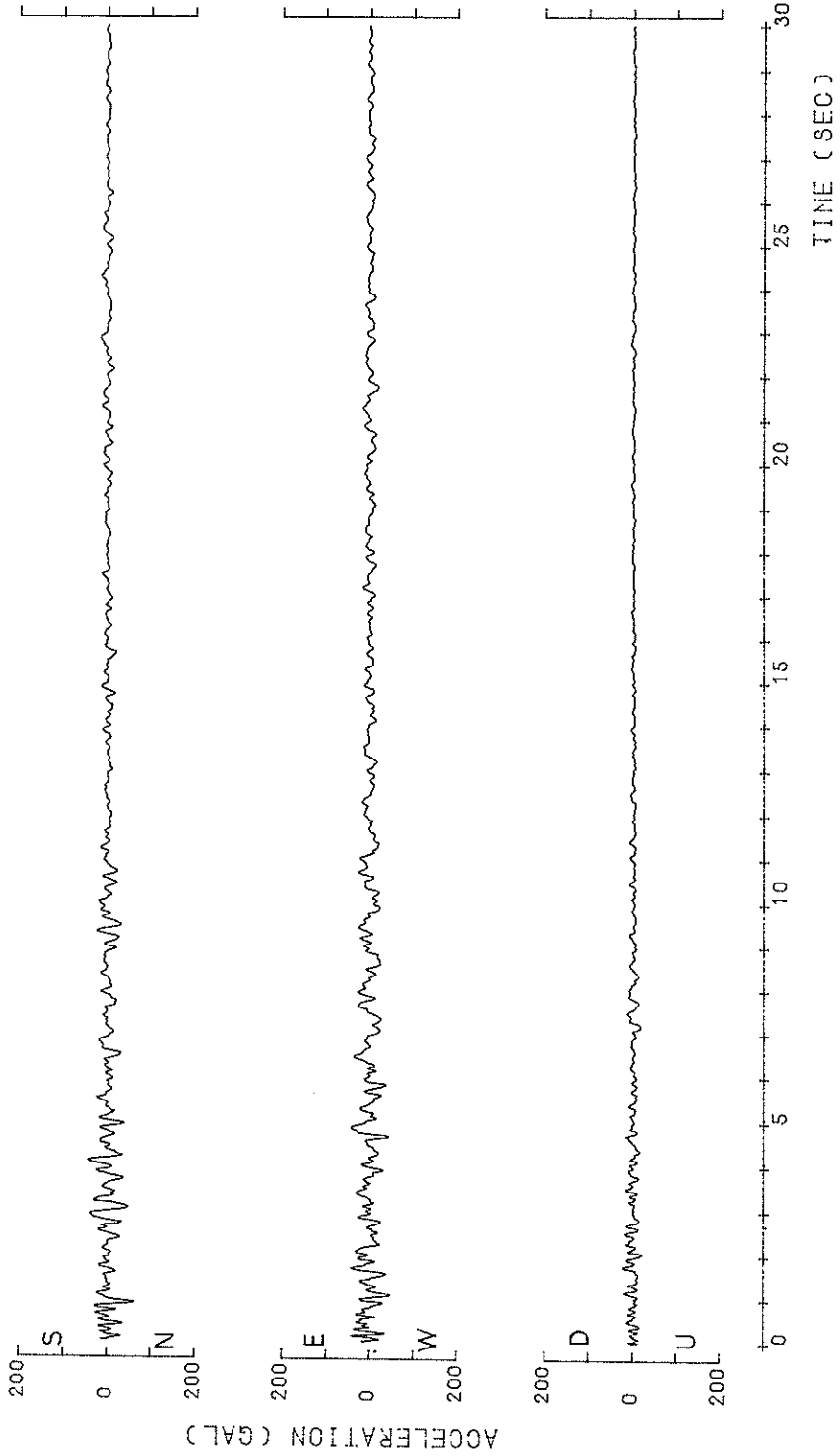
TO BE CONTINUED

CONTINUED(S-340 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	12	12	12	12	12	15	12	13	15	12
5380	11	9	8	10	2	0	-5	-19	-4	-14
5390	-5	-7	-8	-10	-17	-14	-14	-19	-15	-14
5400	-17	-17	-17	-17	-17	-15	-15	-16	-17	-14
5410	-14	-15	-14	-14	-14	-14	-14	-16	-14	-14
5420	-14	-14	-14	-14	-14	-15	-14	-8	-8	-4
5430	-4	-4	-4	-4	-4	-2	-1	-2	-0	-4
5440	-4	-4	-4	-5	-4	-4	-4	-4	-0	-5
5450	-7	-8	-10	-15	-16	-14	-14	-14	-18	-20
5460	-24	-25	-28	-28	-27	-28	-27	-24	-25	-25
5470	-25	-25	-24	-25	-20	-23	-24	-25	-14	-18
5480	-20	-25	-24	-27	-30	-23	-24	-25	-24	-34
5490	-24	-25	-25	-26	-30	-23	-24	-27	-20	-31
5400	-24	-25	-25	-26	-30	-23	-24	-27	-20	-31

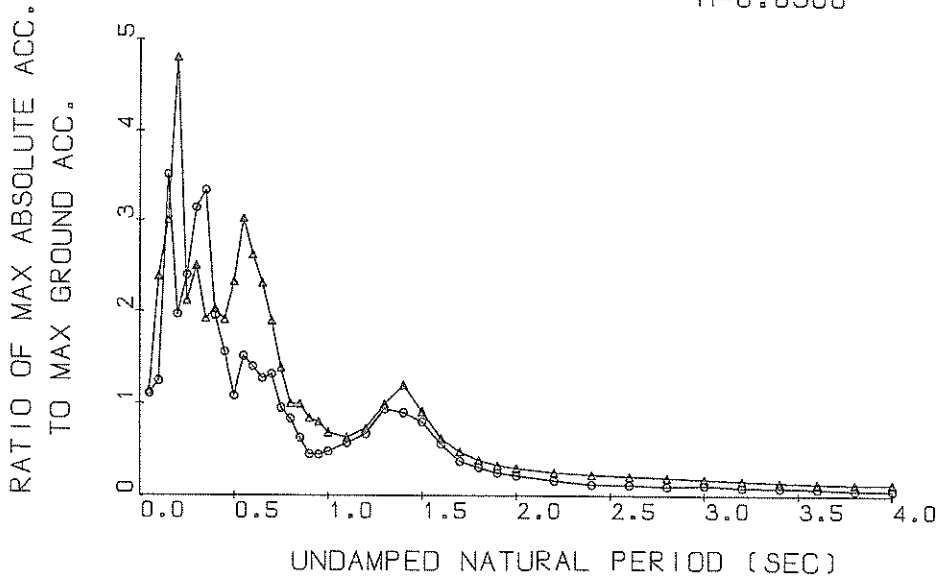
END

S-364 HIROSHIMA-S 1968-08-06-01-17



S-364 HIROSHIMA-S
1968-08-06-01-17

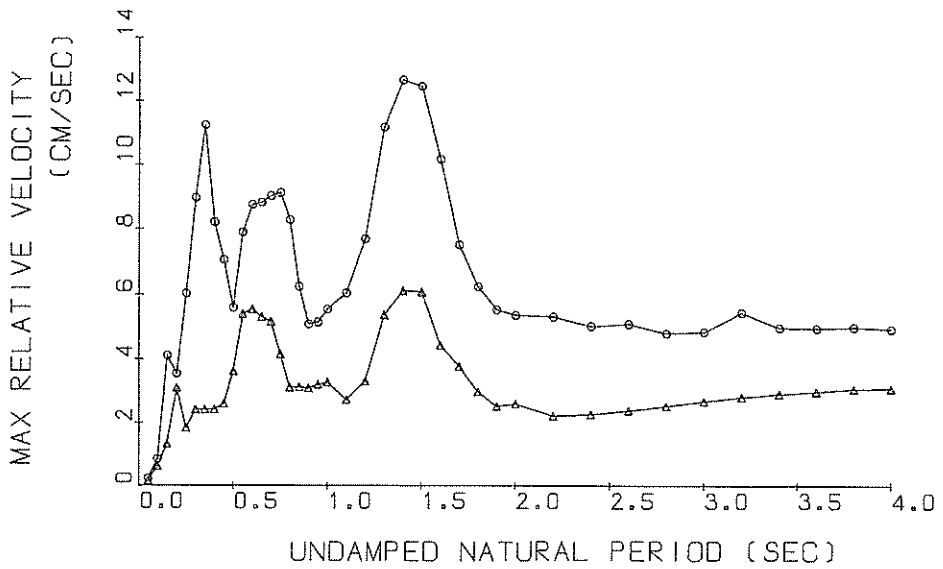
○ N-S
△ U-D
H=0.0500



Response Spectra

S-364 HIROSHIMA-S
1968-08-06-01-17

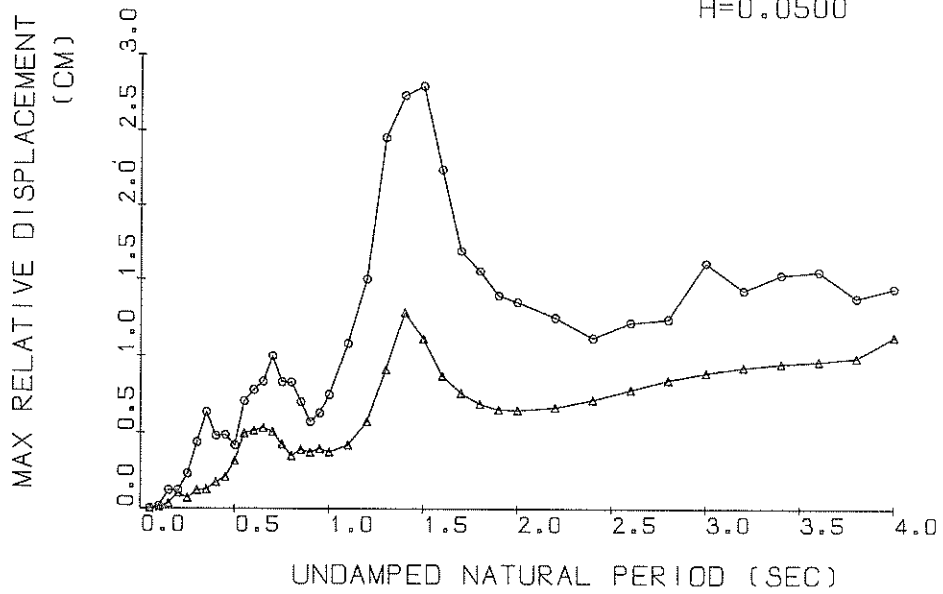
○ N-S
△ U-D
H=0.0500



Response Spectra

S-364 HIROSHIMA-S
 1968-08-06-01-17

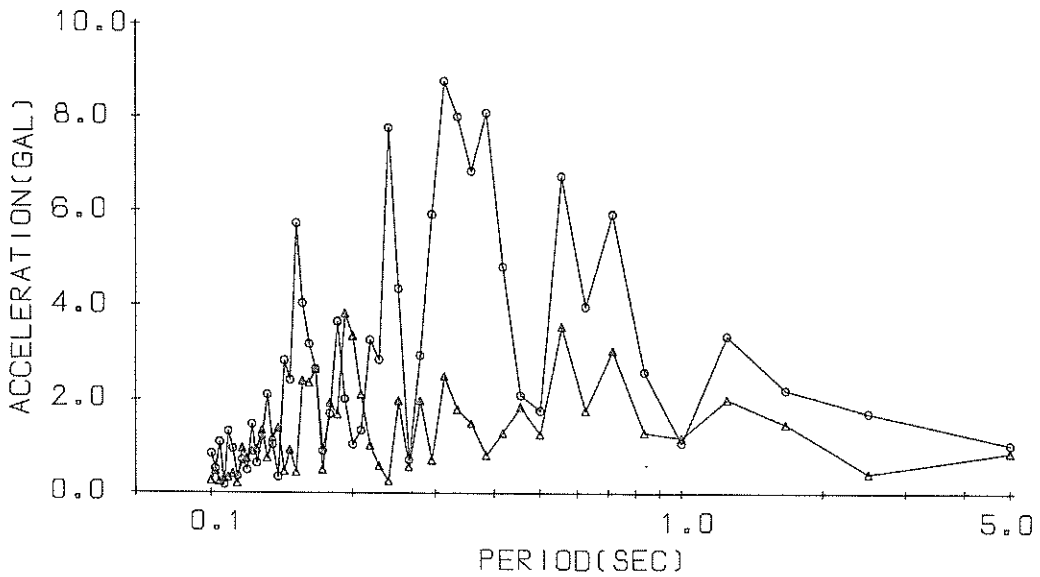
◦ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-364

◦ N-S TSK=0.00 TUS=5.00
 ▲ U-D TSK=0.00 TUS=5.00



Fourier Spectrum

RECORD # S-364 COMPONENT # U-D STATION # HIROSHIMA-S
 DATE AND TIME # 1968-08-06-01-17 TOTAL NUMBER OF DATA # 3000
 SAMPLING INTERVAL # 0.010 (SEC) UNIT # 0.1 GAL
 SIGNAL # GR.ACC. CORRECTION # ARC.ERR.

CONTINUED(S-364 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	11	19	-109	50	92	-12	-40	-59	-79	-140
10	-136	-90	-59	-22	1	0	0	0	0	0
20	53	60	54	21	-32	-69	-90	-104	-107	-38
30	44	80	81	60	24	22	92	-149	-161	-167
40	-148	-117	-41	-58	-33	22	72	102	114	123
50	120	110	83	53	41	12	31	33	83	103
60	-10	-37	-47	-60	-47	-31	33	83	103	94
70	71	34	0	-32	-47	-49	-48	-39	-27	-13
80	61	72	82	73	33	10	-17	-28	-50	-71
90	-88	-90	-88	-47	-20	-99	-97	-52	-62	-48
100	-39	-26	-32	-58	-89	-91	-97	-96	-51	-27
110	-16	24	71	93	144	182	191	173	150	102
120	11	-46	-57	-78	-88	-87	-80	-78	-59	-38
130	-20	0	65	106	104	92	63	-7	-56	-78
140	-87	-87	-90	-97	-91	-91	-86	-76	-71	-116
150	-78	-87	-96	-108	-110	-109	-116	-117	-121	-116
160	-89	-67	-57	-56	-48	-47	-45	-47	-18	24
170	76	127	176	203	214	211	192	160	113	63
180	24	3	-7	-21	-37	-35	-11	24	67	107
190	-116	135	142	138	124	87	33	-26	-49	-98
200	-166	-176	-191	-207	-215	-212	-182	-113	-49	18
210	97	97	94	87	62	1	43	106	145	144
220	-49	-52	-75	-75	78	87	94	76	26	10
230	116	92	75	75	78	11	11	56	115	155
240	-1	-12	-17	-9	-8	11	11	56	115	155
250	164	173	164	141	111	63	23	-18	-67	-88
260	-118	-130	-142	-133	-66	-8	32	82	126	142
270	150	130	106	60	-17	-58	-82	-108	-128	-132
280	-150	-159	-157	-130	-102	-76	-60	-38	-31	-31
290	-23	-27	-21	-17	-13	-9	1	10	11	6
300	0	-7	-12	-13	-17	0	0	10	6	0
310	-7	17	-30	-27	-30	-28	-19	-13	20	62
320	74	84	82	81	30	10	-28	-40	40	-44
330	-48	-41	5	30	59	75	74	52	6	-40
340	-69	-89	-90	-62	-24	6	53	104	133	10
350	151	161	159	142	98	61	33	30	19	10
360	10	21	31	50	68	80	83	80	69	32
370	0	-32	-60	-91	-112	-133	-139	-141	-110	-78
380	-39	-2	21	39	48	58	61	62	70	84
390	91	90	101	102	93	59	39	18	0	-2
400	9	27	48	63	80	79	69	30	-20	-63
410	-74	-76	-90	-82	-82	-61	-26	27	61	67
420	68	39	8	-3	-32	-31	-33	-30	-23	-11
430	-83	-83	-153	-151	-154	-162	-163	-151	-142	-116
440	-91	-71	-82	-52	-51	-53	-51	-43	-35	-51
450	-31	-22	7	5	19	20	36	40	47	56
460	67	76	90	99	99	101	106	126	149	156
470	134	97	55	5	-36	-52	-68	-82	-82	-78
480	-66	-52	27	55	66	67	58	35	26	2
490	17	18	25	28	35	37	25	18	4	25
500	-	-7	-6	-5	-3	5	10	14	20	25

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-364 - U-D)

CONTINUED(S-364 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	58	46	28	17	3	-13	-24	-36	-33	-37
1060	-33	-29	-13	-13	-3	-6	-7	-16	-15	-16
1070	-17	-13	-16	-16	-13	-23	-23	-26	-23	-14
1080	-14	-13	-13	-13	-13	-13	-16	-15	-17	-23
1090	-26	-29	-33	-27	-26	-13	-5	4	4	3
1100	77	35	44	49	58	65	75	76	76	65
1110	57	25	25	-33	-13	-19	-33	-33	-33	-36
1120	-33	-25	-25	-26	-16	-33	-44	-46	-53	-53
1130	-49	-44	-33	-23	-17	-16	-55	6	37	54
1140	75	84	97	94	89	76	59	44	44	18
1150	0	5	-4	-9	-16	-16	-16	-15	17	-27
1160	-33	-44	-44	-45	-43	-35	-34	-35	-34	-27
1170	-27	-25	-24	-25	-26	-23	-26	-27	-19	-13
1180	-13	-13	-13	-18	-18	-13	6	17	18	20
1190	19	11	3	-6	-13	-13	-6	-13	-6	-6
1200	-9	-13	-13	-13	-6	-6	-6	-14	-13	-13
1210	-19	-23	-26	-4	-6	-13	-18	-26	-27	-33
1220	-39	-44	-44	-45	-45	-44	-44	-44	-43	-43
1230	-37	-35	-45	55	58	35	35	34	35	35
1240	37	37	47	55	58	58	58	58	58	56
1250	57	46	38	35	17	4	-4	-15	-24	-34
1260	-33	-33	-26	-23	-14	-15	-13	-13	-13	-9
1270	-5	5	5	17	16	17	16	16	16	16
1280	14	17	14	15	16	16	16	16	16	16
1290	10	4	-4	-6	-6	-4	-4	-8	-6	-3
1300	-3	3	5	-5	-5	-12	-22	-35	-44	-43
1310	-43	-36	-34	-35	-25	-22	-23	-26	-26	-28
1320	-43	-32	-32	-32	-18	-17	-12	-12	-12	-22
1330	-15	-8	-2	4	18	17	18	17	16	7
1340	4	7	16	18	17	18	18	17	16	7
1350	-5	-12	-12	-18	-25	-28	-43	-43	-36	-36
1360	-28	-35	-18	-25	-25	-28	-33	-32	-25	-22
1370	-16	-14	-4	-15	-12	-6	5	5	5	-4
1380	-5	-4	-4	-4	-4	-4	-4	-4	-4	-4
1390	37	46	56	59	59	57	57	38	36	25
1400	8	6	1	-4	-4	-14	-21	-21	-14	-14
1410	-6	-4	-13	-14	-17	-21	-24	-21	-23	-16
1420	-11	-11	-22	-21	-21	-21	-24	-14	-11	-13
1430	8	22	26	26	26	29	28	26	19	17
1440	6	5	3	2	4	-4	-4	-11	-11	-13
1450	-14	-17	-23	-23	-21	-22	-23	-20	-16	-20
1460	-14	-17	-23	-23	-24	-24	-24	-20	-16	-20
1470	-11	-4	-4	-4	9	33	33	33	33	30
1480	-10	-20	-26	-32	-32	-32	-32	-20	20	20
1490	-26	-24	-4	-2	-4	-2	-2	20	20	20
1500	13	-3	-3	-10	-13	-2	-2	-23	-10	-9
1510	0	7	7	9	5	3	4	13	17	28
1520	0	0	0	0	4	6	9	13	17	28
1530	29	38	41	41	40	40	39	28	29	22
1540	21	24	21	22	23	21	21	18	19	21
1550	21	19	8	5	5	-2	-2	0	0	0
1560	8	29	31	34	40	31	20	7	4	-9
1570	-10	-20	-22	-19	-21	-22	-25	-30	-31	-40
1580	-40	-41	-43	-45	-49	-49	-49	-42	-30	-20

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-364 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-38	-28	-21	-10	-9	-1	0	1	9	9
2140	9	9	8	8	8	11	19	22	22	22
2150	22	21	10	9	8	0	7	7	8	8
2160	8	5	5	4	0	-1	-5	-8	-1	0
2170	0	1	-1	0	6	5	4	-1	0	4
2180	-9	-9	-12	-19	-20	-21	-19	-18	-18	-18
2190	-14	-12	-9	-1	5	5	4	4	9	9
2200	1	0	0	11	7	8	28	21	9	9
2210	18	8	8	11	22	24	18	19	21	21
2220	5	-1	-3	-11	-19	-20	-18	-19	0	0
2230	-18	-10	-3	-8	0	-1	-9	-9	0	0
2240	-1	6	-40	-8	-41	-41	-40	-39	-33	-33
2250	-31	-35	-40	-41	-41	-41	-40	-39	-33	-33
2260	-32	-29	-40	-20	-8	5	5	6	11	20
2270	30	40	40	50	54	60	59	40	50	50
2280	49	42	39	31	30	29	29	28	21	21
2290	21	21	22	21	19	18	9	8	5	5
2300	-1	-9	-9	-15	-19	-31	-29	-41	-40	-40
2310	-40	-40	-18	-40	-40	-14	1	6	8	6
2320	-21	-19	-18	30	23	19	19	8	7	7
2330	22	30	19	20	22	22	22	21	14	14
2340	9	8	0	0	-10	-18	-19	-21	-29	-29
2350	9	-2	-28	-29	-31	-33	-30	-28	-29	-29
2360	-29	-21	-18	-14	-11	-11	-11	-10	-9	-9
2370	-29	-22	-18	-17	-11	-11	-11	-9	7	7
2380	9	15	22	30	30	30	29	29	28	22
2390	9	22	21	21	18	8	8	8	8	8
2400	23	22	21	21	18	8	8	8	8	8
2410	5	0	-1	-5	-12	-12	-19	-23	-30	-30
2420	-29	-28	-21	-21	-19	-9	-9	-11	-11	-11
2430	-11	-10	-2	-18	-13	-18	-18	-19	-18	-18
2440	-11	-2	2	11	19	22	22	22	22	22
2450	22	23	23	22	21	18	8	4	1	0
2460	-5	-5	-11	-9	-9	-8	-2	-1	0	0
2470	-9	-10	-11	-9	-9	-9	-9	-9	-1	-1
2480	8	8	11	5	6	8	8	8	8	8
2490	8	7	4	22	21	21	18	18	9	8
2500	7	4	-1	-11	0	0	1	1	-1	0
2510	-5	-9	-12	-13	-15	-18	-19	-21	-19	-19
2520	-19	-19	-18	-11	-11	-8	6	5	8	8
2530	11	21	20	21	19	6	20	19	10	10
2540	8	11	20	21	21	9	9	8	5	4
2550	8	8	8	8	8	9	10	9	5	4
2560	0	6	6	6	9	10	9	6	5	4
2570	0	-1	-1	-5	-10	-14	-14	-11	-21	-21
2580	-20	-1	-14	-20	-20	-20	-18	-12	-9	-9
2590	-8	-1	-6	-7	-9	-9	0	0	-1	0
2600	30	30	29	29	23	21	19	19	29	29
2610	30	30	29	29	23	21	19	19	4	4
2620	-1	-2	-5	-5	-2	0	-5	-9	-9	-9
2630	-12	-15	-19	-22	-25	-29	-30	-29	-30	-29
2640	-29	-15	-15	-10	-9	-9	-13	-13	-13	-13
2650	-12	-3	0	-1	-2	-1	-5	-9	-11	-11
2660	-15	-19	-19	-19	-19	-13	-10	-10	-6	-6

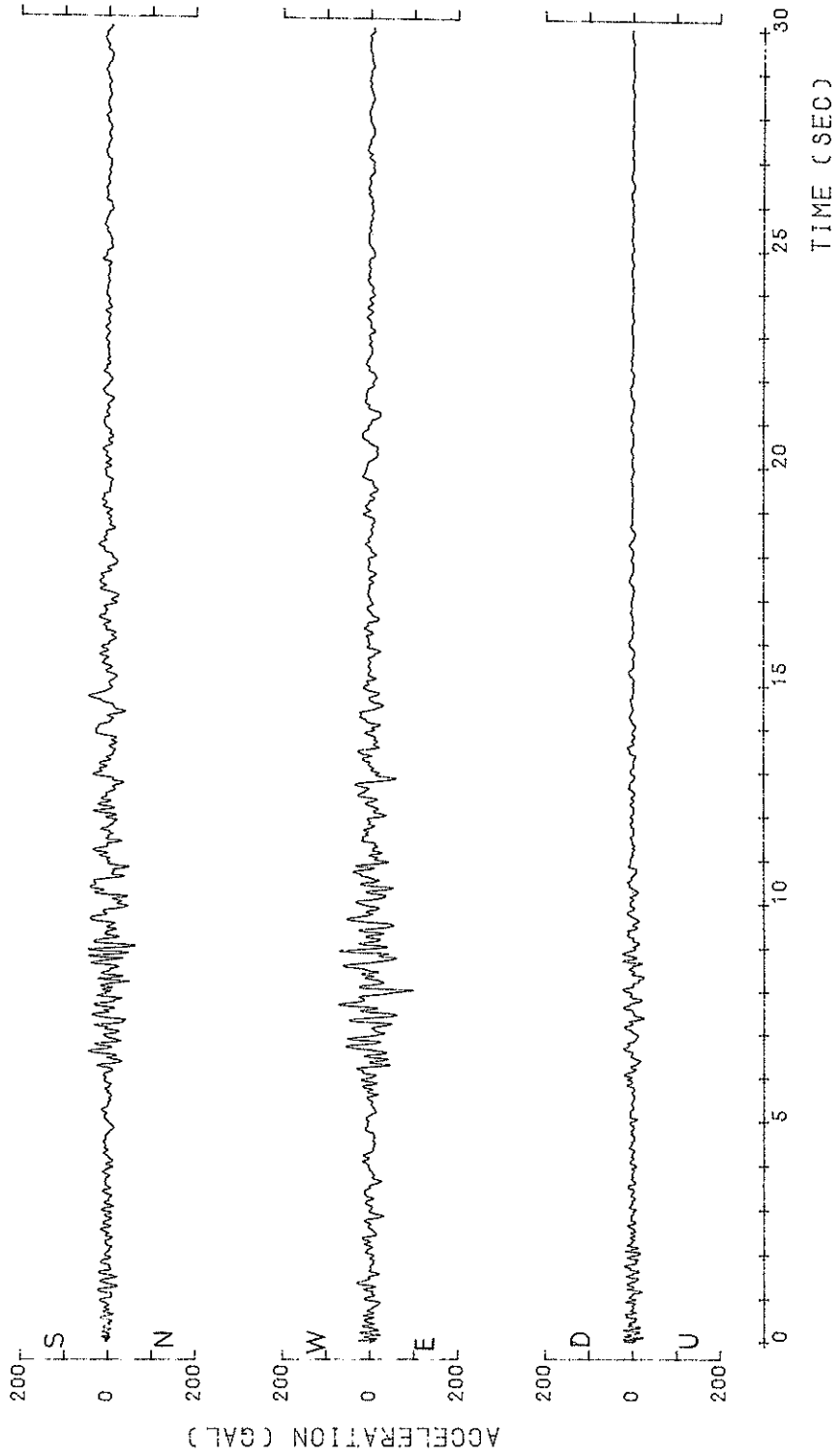
TO BE CONTINUED

CONTINUED(S-364 U-D)

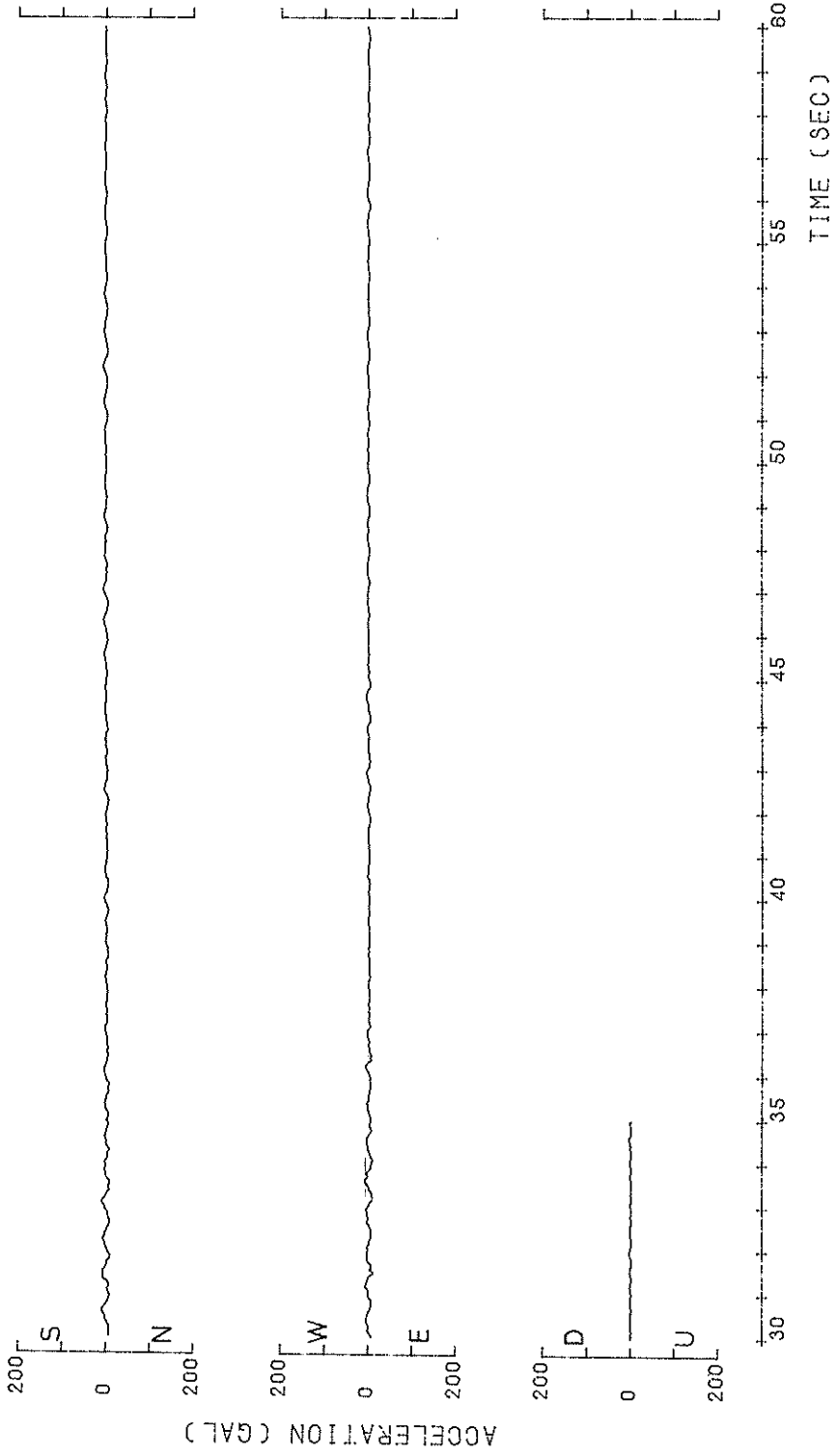
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	-2	-3	-3	0	5	7	7	6	7	8
2680	4	4	4	4	-2	0	-4	4	4	4
2690	4	4	4	4	0	0	-4	4	4	4
2700	6	6	9	9	-2	5	-2	-1	-1	-2
2710	3	6	-11	-11	-2	6	-2	4	4	4
2720	4	5	0	-1	9	6	6	4	9	9
2730	6	7	6	6	-1	-4	-1	-11	-11	-11
2740	-17	-21	-6	-22	-31	-31	-31	-31	-32	-32
2750	-21	-21	-11	-21	-17	-17	-17	-17	-17	-17
2760	-13	-11	-11	-11	-4	-4	-4	-4	-4	-4
2770	-13	-11	-4	-3	4	4	4	4	8	8
2780	2	6	5	8	4	4	4	4	4	4
2790	5	6	11	11	-11	-4	-4	-4	-4	-4
2800	-3	-7	-6	-11	-11	-6	-6	-4	-4	-4
2810	-3	3	19	5	8	5	6	6	8	8
2820	16	19	19	20	22	26	19	19	16	17
2830	16	16	5	4	2	2	-2	-2	-4	-5
2840	-6	5	6	11	-11	-11	-11	-11	-11	-11
2850	-6	-14	-13	-14	-11	-11	-11	-11	-5	-6
2860	-4	-4	-15	-15	-11	-11	-11	-11	-11	-11
2870	-10	-10	-15	-16	-20	-20	-20	-20	-20	-20
2880	-10	-10	-2	-16	-4	3	0	3	3	3
2890	-13	-11	-12	-16	-15	-10	-10	-10	-10	-10
2900	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
2910	7	6	9	17	17	17	17	17	17	17
2920	3	6	18	21	20	20	20	20	23	23
2930	22	21	20	21	20	20	20	20	20	20
2940	-2	-5	-12	-11	-12	-12	-11	-9	-9	-9
2950	-11	-11	-11	-9	-12	-12	-12	-12	-12	-12
2960	-1	0	5	0	0	-2	0	0	0	0
2970	5	0	8	14	21	21	22	24	24	24
2980	-2	0	0	14	21	21	22	24	24	24
2990	-2	0	0	14	21	21	22	24	24	24

END

S-453 HOSOSHIMA-S 1969-04-21-16-19

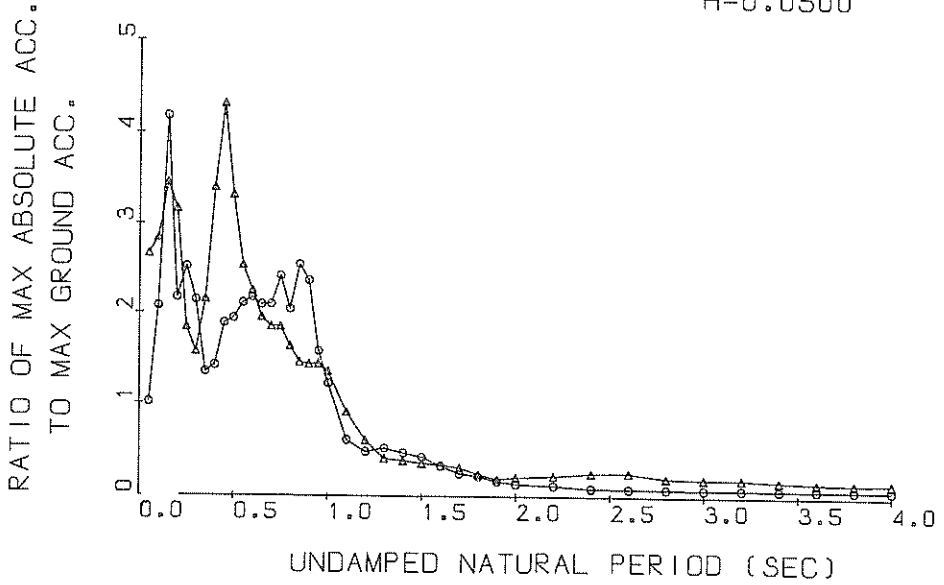


S-453 HOSOSHIMA-S 1969-04-21-16-19



S-453 HOSOSHIMA-S
1969-04-21-16-19

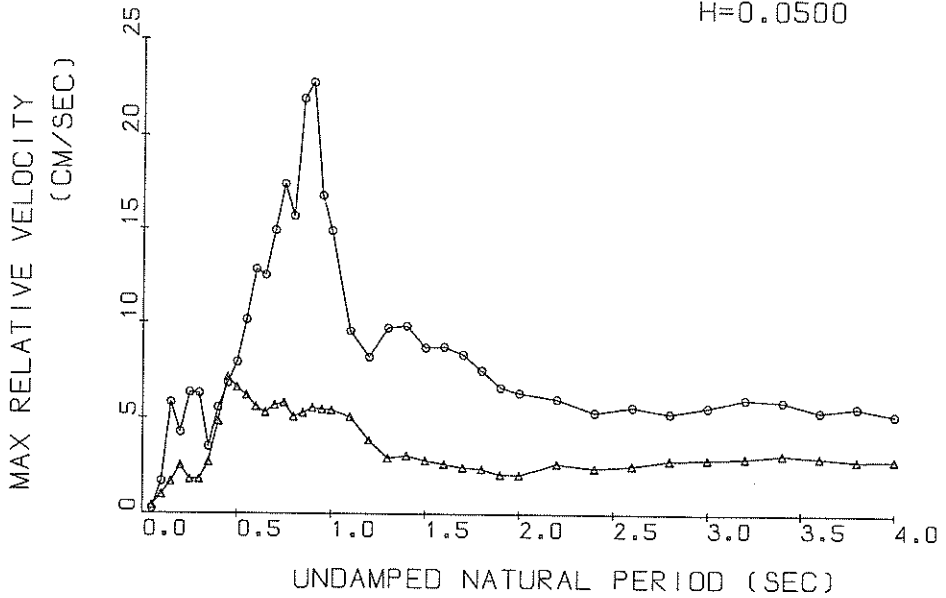
○ N-S
△ U-D
H=0.0500



Response Spectra

S-453 HOSOSHIMA-S
1969-04-21-16-19

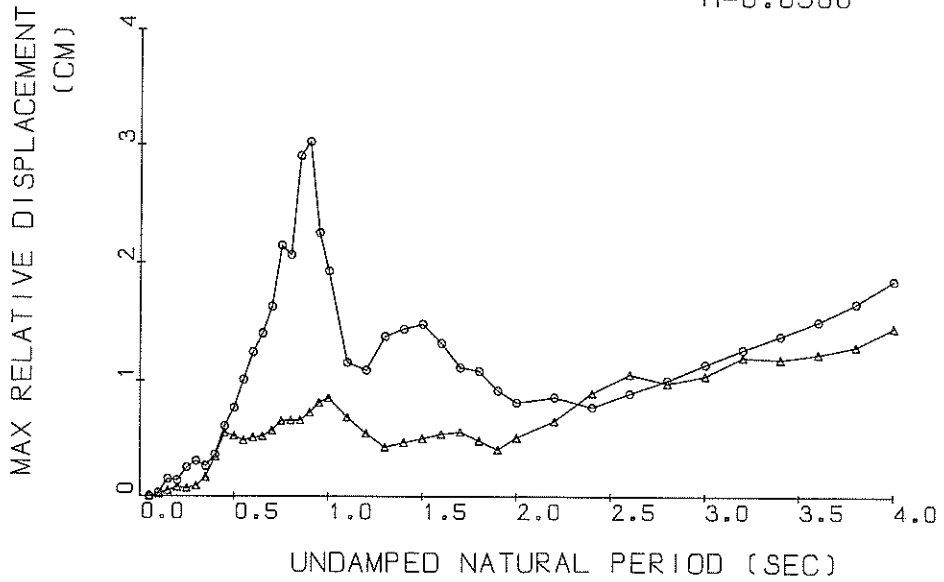
○ N-S
△ U-D
H=0.0500



Response Spectra

S-453 HOSOSHIMA-S
 1969-04-21-16-19

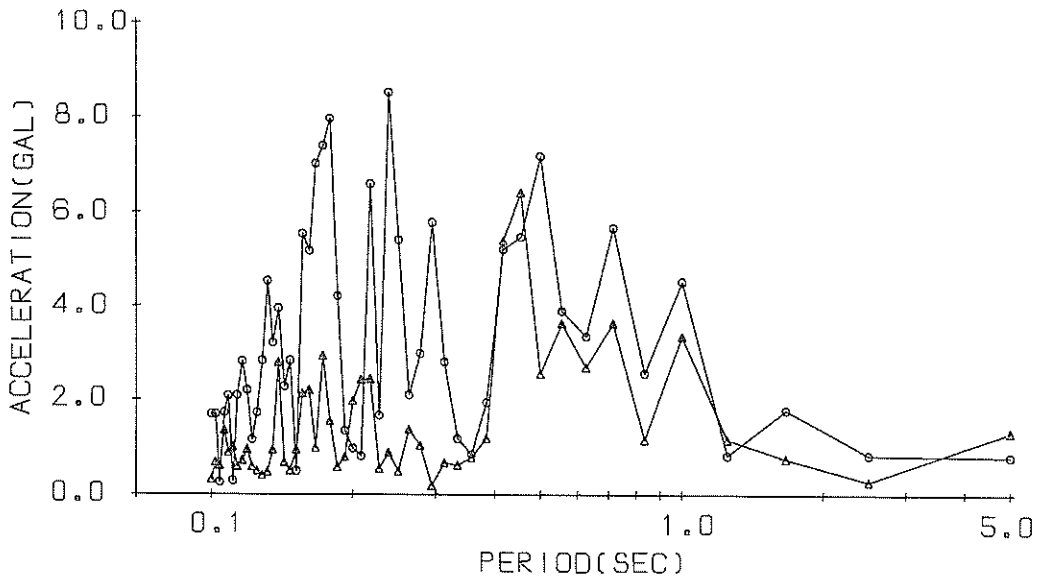
o N-S
 △ U-D
 H=0.0500



Response Spectra

S-453

o N-S TSK=5.00 TUS=5.00
 △ U-D TSK=5.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-453 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = HOSOSHIMA-S
 DATE AND TIME = 1969-04-21-16-19 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 24.85 (GAL)
 TIME LENGTH = 20.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250					
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD			
0.05	235.9	1.82	0.015	81.3	0.50	0.005	66.1	0.41	0.004	54.1	0.33	0.003	39.1	0.24	0.002
0.10	121.9	1.70	0.031	86.7	1.19	0.022	70.6	1.00	0.018	57.9	0.82	0.015	41.8	0.50	0.010
0.15	308.6	7.09	0.176	109.5	2.54	0.063	85.6	1.65	0.048	67.8	1.28	0.038	40.6	0.76	0.022
0.20	271.5	8.95	0.275	96.4	3.04	0.098	78.5	2.52	0.079	57.6	1.75	0.057	34.3	0.93	0.032
0.25	119.0	4.63	0.198	52.1	2.03	0.082	45.7	1.81	0.071	36.6	1.45	0.057	31.8	1.07	0.046
0.30	77.8	3.53	0.177	43.2	2.13	0.098	39.1	1.79	0.089	34.9	1.60	0.078	31.5	1.10	0.063
0.35	178.7	9.82	0.554	65.8	3.35	0.204	53.5	2.70	0.166	44.8	2.19	0.138	32.4	1.51	0.094
0.40	162.2	10.06	0.657	101.1	6.06	0.409	84.3	4.83	0.341	61.9	3.44	0.248	38.1	2.05	0.145
0.45	261.6	18.72	1.342	138.6	9.55	0.710	107.3	7.12	0.548	74.3	4.53	0.373	41.0	2.36	0.189
0.50	153.3	12.14	0.971	107.3	8.50	0.679	92.5	6.59	0.520	57.3	4.49	0.356	37.0	2.45	0.205
0.55	193.4	16.82	1.482	79.7	7.59	0.609	63.0	6.18	0.480	45.2	4.44	0.339	31.4	2.46	0.210
0.60	92.8	9.14	0.846	67.6	6.83	0.617	55.9	5.59	0.507	41.0	4.29	0.364	27.8	2.39	0.226
0.65	121.7	12.59	1.302	68.2	7.32	0.729	48.6	5.28	0.517	38.7	4.25	0.407	26.7	2.52	0.260
0.70	97.4	10.84	1.209	62.5	7.65	0.774	46.0	5.67	0.567	38.1	4.48	0.463	26.1	2.61	0.287
0.75	69.3	8.84	0.987	54.0	6.89	0.767	46.0	5.78	0.651	36.6	4.4	0.510	24.5	2.60	0.303
0.80	54.3	7.05	0.880	44.6	5.67	0.722	40.6	5.07	0.655	33.0	4.15	0.522	22.2	2.63	0.308
0.85	75.5	10.24	1.382	43.6	6.19	0.797	36.2	5.26	0.657	28.1	4.10	0.501	19.7	2.67	0.304
0.90	73.3	11.18	1.504	46.5	7.29	0.953	35.6	5.51	0.726	26.3	3.89	0.527	17.8	2.78	0.311
0.95	67.6	10.38	1.544	41.6	6.56	0.949	35.7	5.44	0.813	26.9	3.94	0.601	16.8	2.89	0.323
1.00	56.6	9.22	1.434	40.0	6.43	1.010	33.8	5.39	0.850	25.4	4.16	0.626	15.6	2.94	0.331
1.10	39.2	7.01	1.200	26.6	5.53	0.815	22.6	5.07	0.685	18.6	4.21	0.552	12.8	2.90	0.340
1.20	24.0	5.02	0.876	17.1	4.07	0.624	15.0	3.84	0.543	13.9	3.56	0.484	11.3	2.73	0.355
1.30	13.7	3.47	0.586	10.6	3.00	0.454	10.0	2.93	0.424	10.5	3.04	0.423	10.3	2.62	0.359
1.40	18.5	4.09	0.918	11.1	3.38	0.550	9.5	3.04	0.465	9.2	2.87	0.425	9.3	2.50	0.361
1.50	10.6	2.88	0.602	9.5	2.88	0.543	8.8	2.79	0.497	8.3	2.69	0.441	8.5	2.39	0.365
1.60	10.3	3.03	0.646	9.2	2.76	0.597	8.3	2.63	0.535	7.5	2.49	0.461	7.8	2.27	0.379
1.70	13.7	3.97	1.004	8.8	2.68	0.645	7.7	2.43	0.554	6.6	2.22	0.472	7.1	2.19	0.393
1.80	8.5	3.10	0.694	8.5	2.63	0.527	5.9	2.36	0.479	5.7	2.07	0.452	6.6	2.13	0.407
1.90	6.3	2.75	0.578	5.0	2.27	0.461	4.5	2.06	0.406	5.0	1.97	0.439	6.1	2.09	0.424
2.00	8.5	3.29	0.864	5.8	2.28	0.587	5.1	2.04	0.505	4.9	1.96	0.471	5.7	2.05	0.445
2.20	8.4	3.73	1.032	6.5	3.02	0.791	5.4	2.65	0.652	4.5	2.24	0.520	5.1	2.00	0.511
2.40	8.1	3.38	1.178	7.0	2.78	1.014	6.2	2.40	0.898	5.4	2.12	0.754	4.9	1.94	0.586
2.60	8.2	3.18	1.400	7.1	2.80	1.204	6.3	2.53	1.058	5.4	2.19	0.868	4.7	1.94	0.644
2.80	6.8	3.53	1.347	5.7	3.13	1.135	5.0	2.82	0.981	4.5	2.41	0.825	4.4	2.00	0.678
3.00	7.7	4.07	1.763	5.7	3.32	1.297	4.7	2.88	1.045	4.0	2.34	0.855	4.1	2.10	0.699
3.20	7.6	3.70	1.966	5.6	3.26	1.447	4.7	2.96	1.201	3.6	2.61	0.892	3.8	2.24	0.725
3.40	6.1	3.69	1.798	4.7	3.37	1.363	4.1	3.13	1.183	3.4	2.81	0.945	3.6	2.37	0.797
3.60	4.6	3.11	1.520	4.1	3.06	1.338	3.8	2.99	1.228	3.2	2.84	1.035	3.5	2.49	0.878
3.80	3.7	2.66	1.341	3.7	2.79	1.340	3.6	2.85	1.292	3.2	2.85	1.142	3.4	2.60	0.966
4.00	3.9	2.63	1.577	3.8	2.79	1.531	3.6	2.88	1.455	3.2	2.93	1.268	3.4	2.71	1.066

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-453 COMPONENT = U-0 STATION = HOSOSHIMA-S
 DATE AND TIME = 1969-04-21-16-19 TOTAL NUMBER OF DATA = 3500
 SAMPLING INTERVAL = 0.10 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	4	17	199	-46	-67	-73	-51	215	44	-89
10	-172	-86	185	146	188	112	37	153	109	122
20	-46	-145	-146	-146	-134	-122	-36	153	205	216
30	178	56	-23	-126	-124	-97	-126	-88	96	110
40	96	39	27	27	49	-76	-37	87	53	-39
50	-66	-53	-44	-67	-66	-75	-75	137	157	144
60	147	148	146	150	167	152	58	19	-23	-67
70	-37	-5	27	52	95	11	-14	-14	-17	-17
80	-15	-12	-6	37	14	24	25	-3	-29	-47
90	-64	-15	36	140	158	126	92	7	-45	-53
100	-53	-12	55	80	87	126	92	129	31	16
110	-2	-12	-15	-26	-107	-216	-293	-183	-157	-76
120	-4	58	126	126	44	-12	-3	16	5	18
130	37	85	119	136	118	71	-82	-2	3	16
140	-48	-52	-66	-87	-105	-110	-55	36	-12	70
150	109	156	157	143	6	5	21	8	-3	-44
160	-83	-124	-135	-133	-112	-56	21	56	47	50
170	70	94	123	149	189	192	106	18	-26	-26
180	-58	-73	-84	-75	-63	-50	-73	-35	-107	-104
190	-63	-16	86	117	133	-83	56	6	48	48
200	-94	-134	-164	-146	-145	-193	-63	148	146	146
210	135	127	127	105	87	-13	-13	-24	-53	45
220	77	22	105	116	97	-36	38	26	29	25
230	26	55	10	-13	-24	-25	-14	36	47	57
240	40	10	-13	-33	-52	-25	-2	18	26	14
250	46	8	-35	-62	-53	-42	-33	-22	-14	-14
260	-5	26	59	37	90	142	96	75	20	20
270	-8	-34	-58	-44	-65	-36	-19	16	48	45
280	38	56	38	39	36	-36	37	30	38	28
290	21	-4	-24	-23	-17	-14	73	-3	-19	-34
300	-66	-58	-58	-58	-41	-14	77	5	54	54
310	45	35	34	34	25	56	4	8	7	17
320	24	20	4	-4	-24	14	8	-45	-35	-26
330	9	39	44	44	24	36	46	10	7	7
340	-5	-74	-23	-23	-23	-17	15	10	45	77
350	97	104	95	97	106	106	85	57	5	-23
360	-37	-44	-48	-47	-49	-48	-23	0	16	23
370	30	25	25	7	-5	3	14	16	25	17
380	25	27	25	0	0	-3	-19	-24	-26	-26
390	-19	-13	15	27	34	26	-26	-38	-76	-76
400	-64	-57	-36	-14	13	56	44	4	15	15
410	54	47	34	34	13	-17	-13	-4	4	13
420	34	36	24	24	22	7	4	20	56	56
430	-40	-78	-45	-45	-45	-13	-13	7	20	25
440	16	19	22	34	27	34	34	27	25	19
450	16	19	22	34	27	34	34	27	25	19
460	-34	-26	-26	-26	-26	-26	-26	-26	-26	-26
470	30	37	32	29	19	14	17	34	47	47
480	24	9	-18	-17	-16	-15	-10	-16	-16	-16
490	13	-4	24	46	66	58	55	53	46	35
500	34	-26	-56	-54	-86	-87	-87	-86	34	47

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-453 U-D)

CONTINUED(S-453 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
1050	122	112	91	71	51	32	22	22	24	24	55	60	80
1060	25	30	30	20	19	-8	-42	81	80	81	19	20	40
1070	-62	-68	-80	-77	-71	-83	-89	19	20	11	11	11	54
1080	-91	-80	-51	-24	22	92	93	0	0	-10	-8	0	0
1090	62	61	63	55	60	62	55	2	0	0	0	0	-6
1100	48	44	45	44	42	41	33	0	0	0	0	0	4
1110	11	10	22	17	19	3	10	-20	-19	-19	-20	-18	-2
1120	10	9	-31	-31	-39	-19	13	0	0	0	0	0	2
1130	18	15	37	36	33	-20	14	12	20	20	12	20	29
1140	15	13	14	14	18	21	14	40	41	30	40	30	30
1150	32	34	53	54	46	22	27	20	20	20	19	20	40
1160	-29	-26	-19	-16	-16	-16	-16	32	32	29	24	30	19
1170	-19	-19	-42	-42	-42	-42	-42	9	9	9	9	9	19
1180	33	42	42	53	54	31	32	-20	-20	-20	-20	-20	-26
1190	4	5	4	1	25	31	43	-21	-18	-18	-21	-18	-26
1200	45	41	33	32	11	-9	27	4	4	4	4	4	59
1210	-18	-18	-16	-16	-16	-16	-16	74	74	74	74	74	59
1220	-18	4	24	43	44	47	27	41	41	30	41	30	51
1230	22	18	18	18	18	17	16	50	50	50	50	50	51
1240	12	25	36	35	32	22	16	0	0	0	0	0	10
1250	-47	-45	-46	-39	-38	-15	-11	-19	-18	-18	-19	-18	-18
1260	27	45	65	84	82	72	64	30	22	22	22	22	30
1270	67	63	74	62	56	4	52	22	22	20	22	22	30
1280	17	28	-9	-12	-14	-27	-39	-11	-10	-10	-11	-10	-12
1290	-49	-49	-38	-27	-26	-28	-49	73	73	71	73	71	73
1300	42	48	63	65	54	35	36	21	21	0	21	0	51
1310	2	16	8	8	8	9	14	-40	-40	-40	-40	-40	51
1320	-8	-6	-8	-8	-8	-20	-26	-47	-47	-47	-47	-47	-49
1330	-37	-37	-38	-47	-49	-66	-66	26	26	4	26	4	26
1340	-55	13	52	47	64	64	74	24	24	11	24	11	24
1350	76	78	82	85	87	112	114	11	11	12	12	12	12
1360	14	15	23	22	17	-11	-28	16	16	16	16	16	16
1370	12	15	23	22	21	-21	-28	1	1	1	1	1	1
1380	-17	-47	-46	-37	-27	-17	-25	2	2	2	2	2	2
1390	14	13	12	12	12	-6	-28	4	4	4	4	4	4
1400	-36	-29	-47	-49	-60	-66	-66	15	15	15	15	15	15
1410	-56	-49	-18	-1	5	14	21	5	5	5	5	5	5
1420	32	35	52	45	42	32	32	12	12	12	12	12	12
1430	62	62	62	62	62	62	62	22	22	22	22	22	22
1440	14	11	12	12	16	16	16	24	24	24	24	24	24
1450	11	11	12	12	37	37	37	15	15	15	15	15	15
1460	22	21	22	22	22	22	22	24	24	24	24	24	24
1470	41	41	42	42	42	42	42	11	11	11	11	11	11
1480	13	19	17	19	17	-19	-19	16	16	16	16	16	16
1490	63	63	63	63	63	63	63	17	17	17	17	17	17
1500	19	19	17	18	17	0	-10	25	25	25	25	25	25
1510	-19	-29	30	30	27	19	19	14	14	14	14	14	14
1520	81	80	80	80	80	71	64	22	22	22	22	22	22
1530	82	9	10	14	14	18	18	16	16	16	16	16	16
1540	9	10	10	14	14	18	18	16	16	16	16	16	16
1550	-10	-10	-10	-14	-14	-18	-18	16	16	16	16	16	16
1560	-30	-30	-40	-40	-40	-40	-40	16	16	16	16	16	16
1570	-30	-34	-40	-40	-40	-40	-40	16	16	16	16	16	16
1580	-43	-40	-33	-24	-24	-10	-21	14	14	14	14	14	14

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-453 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-5	-14	-15	-15	-15	-15	-16	-19	-24	-26
2140	-25	-25	-22	-22	-26	-26	-26	-26	-25	-26
2150	-26	-25	-22	-22	-13	-13	-9	-7	-7	-15
2160	15	20	25	35	35	35	35	35	28	30
2170	29	39	35	38	38	38	46	45	44	45
2180	45	45	37	38	25	17	17	16	16	10
2190	14	7	-15	-17	-17	-16	-16	-15	-14	-13
2200	-13	-13	-13	-13	-14	-15	-15	-25	-25	-25
2210	-35	-32	-32	-35	-22	-22	-15	-6	-6	-6
2220	16	17	21	28	29	26	26	27	17	17
2230	25	25	17	16	16	15	15	15	18	17
2240	17	18	25	25	25	25	24	24	17	16
2250	14	10	10	9	7	5	5	5	-3	-3
2260	-2	5	5	5	4	3	3	2	4	2
2270	5	5	4	4	4	5	5	5	4	4
2280	-13	-12	-12	-12	-5	-5	-5	-5	-7	-9
2290	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
2300	-3	-5	-3	-3	-4	-4	-4	-5	-5	-5
2310	15	15	15	15	5	5	5	5	16	16
2320	11	14	8	7	8	5	5	5	4	5
2330	-15	-14	-19	-22	-22	-25	-25	-25	-23	-22
2340	-16	-12	-14	-15	-15	-8	-8	-13	-13	-13
2350	-12	-12	-15	-15	-15	-15	-15	-16	-16	-16
2360	15	9	8	7	8	8	8	9	9	9
2370	9	9	5	5	8	8	8	8	7	5
2380	7	5	5	6	4	4	4	4	4	4
2390	4	3	3	3	-5	-5	-5	-5	-5	-5
2400	-15	-16	-13	-13	-13	-13	-14	-13	-13	-13
2410	0	-4	-3	-3	-14	-13	-13	-14	-14	-14
2420	-13	-8	-8	-9	-9	-9	-9	-9	-10	-10
2430	-15	-15	-15	-15	5	5	5	5	5	5
2440	16	15	19	25	25	25	25	25	27	27
2450	27	25	24	24	14	14	14	14	18	15
2460	-15	-9	-8	-14	-16	-18	-19	-23	-23	-16
2470	-15	-12	-15	-15	7	7	7	7	4	4
2480	14	14	18	18	24	24	24	25	18	15
2490	14	14	14	14	14	14	14	14	15	15
2500	-9	-23	-23	-23	-23	-23	-24	-23	-19	-13
2510	-9	-6	0	5	5	7	4	4	4	8
2520	8	14	15	18	25	18	15	16	16	15
2530	17	14	10	4	4	4	4	4	4	4
2540	-3	6	7	7	10	14	17	15	14	16
2550	14	14	14	14	4	4	4	4	4	4
2560	14	14	14	14	4	4	4	4	4	4
2570	-15	-15	-16	-17	-17	-17	-17	-17	-17	-17
2580	-6	-3	-3	-3	-3	-3	-3	-3	-3	-3
2590	-5	-3	6	4	4	5	6	7	7	4
2600	6	-5	-6	-6	-6	-6	-6	-6	-6	-5
2610	-5	-9	-3	4	4	8	10	14	25	25
2620	25	25	28	34	34	34	34	34	34	28
2630	26	19	15	14	0	-14	-16	-16	-16	-20
2640	-27	-24	-34	-34	-26	-26	-26	-27	-28	-28
2650	-26	-25	-19	-19	-13	-13	-13	-15	-15	-16
2660	20	25	28	35	35	35	38	38	35	34

TO BE CONTINUED

TO BE CONTINUED

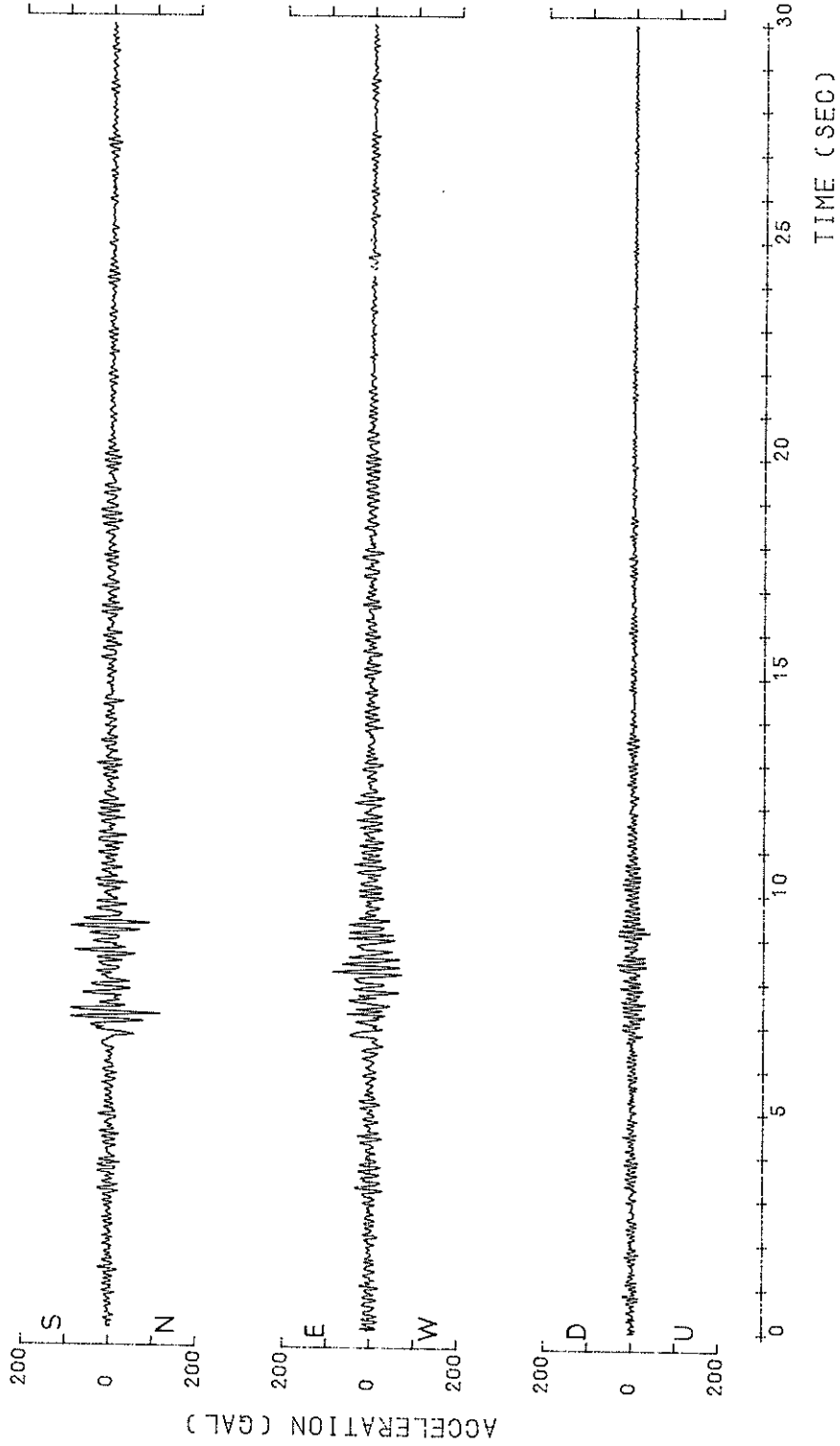
CONTINUED(S-453 U-D)

#0.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	-6	-7	-9	-10	-14	-14	-16	-16	-16	-15
3220	-15	-16	-12	-5	-4	-5	-9	-5	-5	6
3230	-6	-13	6	4	6	10	10	15	13	14
3240	15	13	7	10	14	12	14	15	17	14
3250	19	26	18	13	9	13	14	15	16	-13
3260	-9	-8	-9	-10	-16	-13	-14	-5	-10	4
3270	-13	-8	-5	-5	-9	-5	4	6	6	4
3280	4	6	-4	-4	-4	-4	-6	-6	-4	-4
3290	-6	-6	-6	-9	-9	-7	-5	-6	-7	6
3300	-4	4	4	5	7	7	-5	6	6	-6
3310	3	0	3	-6	-5	-4	-5	-6	-5	4
3320	-6	-6	-9	-6	-6	-6	-5	-4	-5	4
3330	4	4	3	-4	-4	-4	-3	-4	-4	-8
3340	-4	-5	-6	-7	-10	-12	-12	-8	-8	-8
3350	-8	-10	-15	-15	-17	-16	-13	-13	-13	-8
3360	-7	-6	-5	-6	-4	-3	4	4	7	4
3370	6	6	-6	-6	4	4	6	5	5	-5
3380	-9	-4	-9	-6	-6	-6	-9	-5	-5	-5
3390	-9	-6	-5	-5	-4	-6	13	15	15	14
3400	5	10	14	14	13	10	10	12	12	-1
3410	7	4	6	4	-5	-5	-14	-15	-13	-6
3420	-9	-9	-9	-7	-9	-10	-16	-15	-13	-6
3430	-9	-5	-5	-4	-3	6	6	4	14	4
3440	4	3	-3	4	4	4	37	6	14	4
3450	19	24	25	25	29	36	37	36	34	35
3460	25	25	24	13	10	14	14	6	6	8
3470	-9	-6	-10	-15	-15	-14	-17	-13	-8	-5
3480	-9	-9	-8	-10	-12	-12	-12	-6	-5	-5
3490	5	5	8	10	14	15	16	15	-13	-3

END

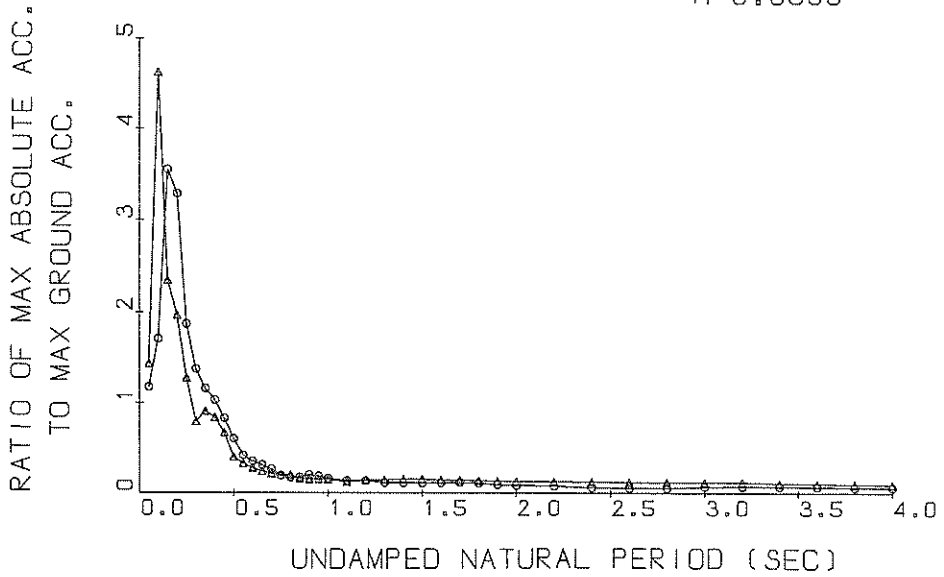
1970-04-01-23-23

S-537 MIYAKO-S



S-537 MIYAKO-S
1970-04-01-23-23

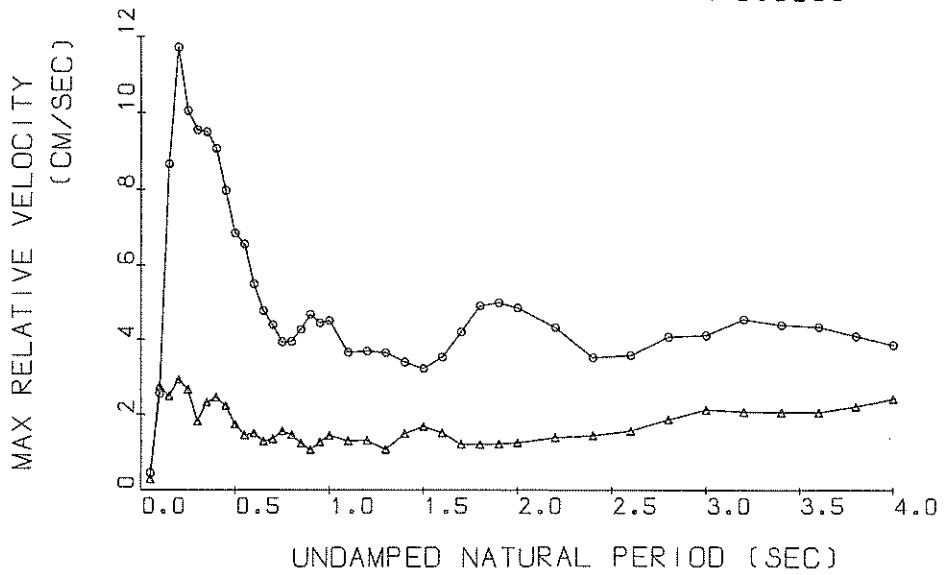
○ N-S
△ U-D
H=0.0500



Response Spectra

S-537 MIYAKO-S
1970-04-01-23-23

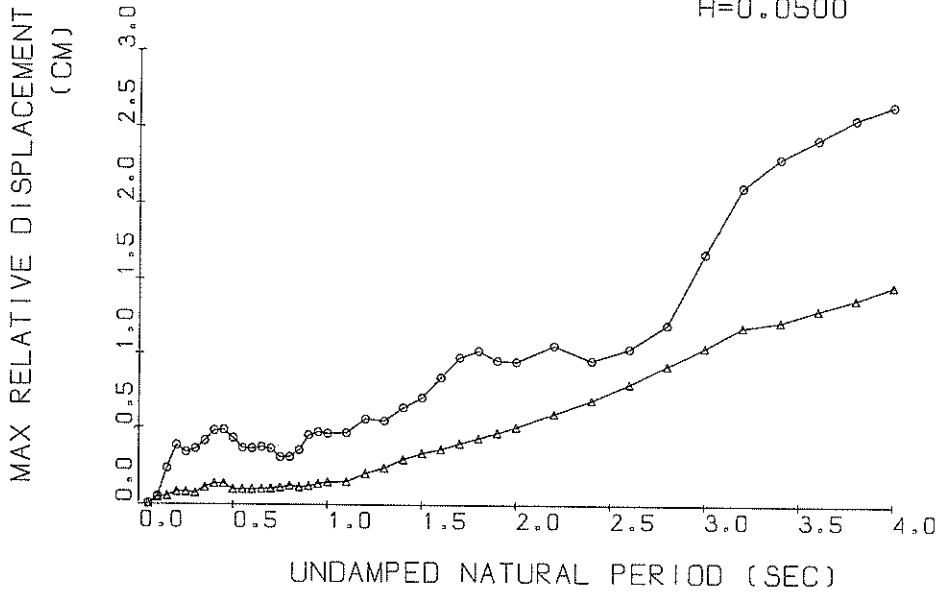
○ N-S
△ U-D
H=0.0500



Response Spectra

S-537 MIYAKO-S
1970-04-01-23-23

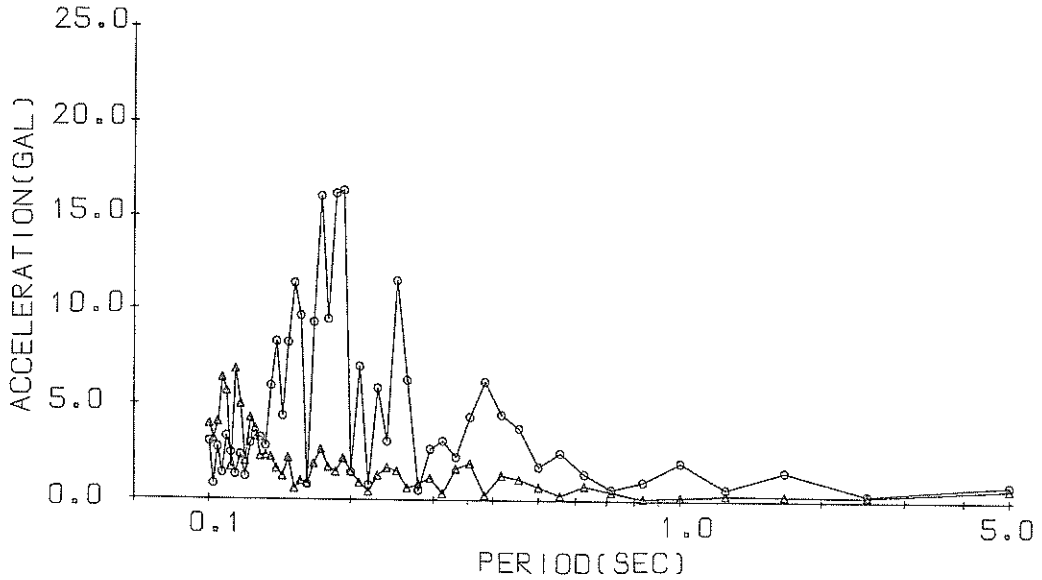
○ N-S
△ U-D
H=0.0500



Response Spectra

S-537

○ N-S TSK=6.50 TUS=5.00
△ U-D TSK=6.50 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-537 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = MIYAKO-S
 DATE AND TIME = 1970-04-01-23-23 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 39.63 (GAL)
 TIME LENGTH = 20.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	170.1	1.28	0.011	62.3	0.34	0.004	57.0	0.29	0.004	52.1	0.25	0.003	47.8	0.22	0.003
0.10	876.4	13.90	0.222	257.5	3.89	0.065	183.2	2.75	0.046	124.5	1.85	0.031	73.4	1.00	0.017
0.15	271.8	6.44	0.155	100.6	2.70	0.057	93.0	2.48	0.052	81.6	2.18	0.045	59.0	1.34	0.029
0.20	269.9	8.75	0.273	103.7	3.69	0.104	78.2	2.92	0.079	58.5	2.31	0.058	41.6	1.45	0.037
0.25	113.0	4.47	0.179	62.3	3.18	0.099	50.7	2.66	0.080	39.8	2.06	0.061	30.9	1.22	0.037
0.30	45.4	2.23	0.104	35.7	2.03	0.081	31.4	1.82	0.072	26.0	1.45	0.058	20.0	1.27	0.037
0.35	93.9	5.36	0.291	53.6	2.84	0.166	36.1	2.31	0.111	26.9	1.79	0.081	20.3	1.17	0.052
0.40	41.2	3.33	0.167	39.4	2.93	0.160	33.3	2.45	0.134	25.2	1.90	0.099	18.7	1.16	0.061
0.45	91.6	6.58	0.470	33.0	2.80	0.169	26.5	2.22	0.134	20.9	1.78	0.103	15.4	1.24	0.060
0.50	26.9	2.28	0.170	18.0	2.08	0.114	15.6	1.74	0.098	13.7	1.62	0.085	11.9	1.27	0.055
0.55	18.8	1.80	0.144	13.6	1.56	0.104	12.9	1.45	0.098	10.8	1.47	0.079	9.2	1.24	0.056
0.60	34.4	3.40	0.313	14.2	1.71	0.129	10.9	1.50	0.098	8.6	1.37	0.075	7.3	1.21	0.056
0.65	21.1	2.22	0.226	12.9	1.49	0.138	9.5	1.29	0.100	7.4	1.18	0.076	6.7	1.16	0.055
0.70	17.4	2.03	0.216	11.1	1.42	0.137	8.4	1.35	0.103	6.6	1.22	0.078	6.0	1.12	0.060
0.75	24.6	2.92	0.350	10.6	1.80	0.151	7.8	1.56	0.110	6.7	1.28	0.090	5.7	1.09	0.065
0.80	17.5	2.51	0.284	10.0	1.79	0.161	7.7	1.46	0.124	6.2	1.17	0.094	5.4	1.07	0.073
0.85	8.4	1.45	0.154	6.7	1.30	0.123	6.2	1.24	0.113	5.7	1.10	0.102	5.1	1.05	0.080
0.90	7.7	1.55	0.157	6.4	1.21	0.130	5.9	1.06	0.121	5.5	1.09	0.109	4.8	1.04	0.086
0.95	9.8	1.87	0.224	6.5	1.41	0.149	5.9	1.27	0.135	5.2	1.14	0.117	4.6	1.03	0.091
1.00	12.7	2.27	0.322	7.3	1.72	0.184	5.8	1.44	0.145	5.1	1.16	0.126	4.4	1.04	0.098
1.10	8.9	1.68	0.272	6.6	1.40	0.201	4.9	1.30	0.147	4.7	1.17	0.141	4.1	1.07	0.112
1.20	14.4	2.85	0.525	7.3	1.51	0.265	5.6	1.31	0.204	4.9	1.18	0.172	4.1	1.09	0.130
1.30	8.1	1.57	0.345	6.5	1.20	0.280	5.6	1.07	0.237	4.8	1.08	0.199	4.1	1.10	0.158
1.40	9.4	2.46	0.469	6.5	1.82	0.323	5.9	1.49	0.293	5.2	1.19	0.250	4.2	1.12	0.184
1.50	9.3	2.65	0.531	6.4	2.04	0.366	5.9	1.68	0.332	4.8	1.36	0.288	4.3	1.13	0.213
1.60	7.7	1.90	0.501	6.0	1.66	0.386	5.6	1.51	0.361	5.2	1.32	0.320	4.4	1.12	0.242
1.70	6.1	1.73	0.443	5.8	1.29	0.420	5.5	1.21	0.398	5.0	1.14	0.358	4.3	1.10	0.274
1.80	5.6	1.34	0.472	5.5	1.24	0.452	5.3	1.21	0.432	5.0	1.14	0.393	4.3	1.07	0.303
1.90	5.7	1.67	0.511	5.4	1.25	0.488	5.2	1.22	0.467	4.9	1.16	0.425	4.2	1.05	0.328
2.00	5.5	1.57	0.560	5.3	1.32	0.532	5.0	1.25	0.505	4.7	1.18	0.457	4.2	1.03	0.351
2.20	5.5	1.78	0.675	5.2	1.55	0.633	4.9	1.39	0.596	4.4	1.20	0.532	4.0	1.02	0.402
2.40	5.4	2.02	0.783	5.0	1.67	0.731	4.7	1.44	0.684	4.3	1.30	0.608	3.7	1.01	0.458
2.60	5.3	2.14	0.912	5.0	1.80	0.851	4.7	1.56	0.798	4.3	1.37	0.712	3.6	1.06	0.552
2.80	6.3	2.62	1.252	4.9	2.13	0.979	4.7	1.87	0.921	4.2	1.51	0.826	3.7	1.11	0.650
3.00	7.2	3.73	1.649	5.6	2.62	1.278	4.6	2.12	1.044	4.2	1.66	0.938	3.6	1.13	0.744
3.20	7.0	3.39	1.813	5.6	2.57	1.441	4.6	2.07	1.181	4.1	1.65	1.027	3.6	1.16	0.828
3.40	6.3	3.21	1.858	5.1	2.46	1.484	4.2	2.06	1.220	3.9	1.72	1.117	3.5	1.18	0.906
3.60	5.5	2.68	1.795	4.4	2.33	1.440	4.0	2.06	1.299	3.7	1.76	1.206	3.4	1.23	0.995
3.80	4.2	2.82	1.549	3.9	2.49	1.422	3.8	2.21	1.371	3.6	1.88	1.286	3.3	1.31	1.079
4.00	3.8	3.03	1.557	3.7	2.70	1.507	3.6	2.42	1.459	3.5	1.99	1.370	3.2	1.39	1.160

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD - S-537 COMPONENT - U-D STATION - MIYAKO-S TOTAL NUMBER OF DATA - 3000
 DATE AND TIME - 1970-04-23-23 UNIT - 0.1 GAL
 SAMPLING INTERVAL - 04.010 (SECS)
 SIGNAL - GR.ACC. CORRECTION - ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
0	-5	62	-44	5	7	5	6	-64	-86	-55	510	54	51	25	15	42	43	43	33	11
10	-14	37	45	-15	28	27	-13	7	-66	-85	520	-48	-56	-16	32	73	94	100	73	53
20	-53	0	57	-33	-59	-33	13	0	7	-86	530	-16	-11	24	-39	32	73	94	100	73
30	-64	24	-77	-57	-57	-57	13	7	86	-95	540	11	24	22	2	46	32	73	94	100
40	-39	-14	-74	-23	-7	60	6	-34	-54	-95	550	47	-87	12	-18	22	46	32	73	94
50	23	-26	-74	-23	7	60	6	96	74	85	560	13	57	52	2	6	22	46	32	73
60	39	-14	-74	-23	-45	74	6	-5	74	85	570	46	57	52	2	6	22	46	32	73
70	78	14	-27	-65	-11	37	77	77	105	105	580	-68	6	73	85	46	32	73	94	100
80	-47	-159	-60	116	180	183	161	105	-58	-67	600	13	71	94	96	53	38	68	-68	-39
90	-64	-177	-24	55	0	-26	-64	-115	-104	-64	620	12	86	103	93	60	11	51	-57	-71
100	135	127	103	38	-109	-121	-55	86	75	88	630	-77	-20	55	92	105	99	60	-32	-57
110	75	120	103	38	-109	-121	-55	86	75	88	640	-77	30	41	24	-9	-40	-60	-51	-13
120	55	64	54	19	-46	-14	-29	-33	-24	6	650	60	54	40	2	9	30	40	71	61
130	25	44	54	19	-46	-14	-29	-33	-24	6	660	39	29	14	2	8	74	130	118	72
140	5	-35	-37	-36	-36	-36	-36	-36	-36	34	670	-14	-51	-61	-60	-38	42	80	91	70
150	5	-35	-37	-36	-36	-36	-36	-36	-36	34	680	-14	-51	-61	-60	-38	42	80	91	70
160	-100	-27	117	158	157	152	29	-108	-155	-153	700	-51	-48	-34	1	116	192	225	184	58
170	-100	-27	117	158	157	152	29	-108	-155	-153	710	-65	-234	-276	-216	48	59	69	20	-63
180	-131	-37	99	89	39	75	17	-47	-87	-95	720	-22	-52	-101	-129	-105	31	112	162	188
190	-131	-37	99	89	39	75	17	-47	-87	-95	730	22	-52	-101	-129	-105	31	112	162	188
200	54	48	-77	6	6	34	69	54	44	44	740	184	24	-95	-209	-169	-39	132	201	204
210	54	48	-77	6	6	34	69	54	44	44	750	21	-178	-273	-286	-249	-135	132	201	204
220	-7	-67	-66	-48	73	84	73	8	-36	-36	760	241	180	69	-24	-65	-91	100	136	6
230	-56	-77	-66	-48	73	84	73	8	-36	-36	770	134	69	-24	-65	-91	100	136	6	119
240	-96	-75	-74	-28	44	35	5	-47	-78	-107	780	127	104	0	-164	-162	-150	120	135	224
250	-105	-75	-74	-28	44	35	5	-47	-78	-107	790	278	257	182	-45	-160	-148	148	191	206
260	-34	-48	-57	-38	-37	-38	-47	-55	-44	-36	800	-52	156	167	-79	8	68	140	191	206
270	-34	-48	-57	-38	-37	-38	-47	-55	-44	-36	810	194	107	12	-81	-82	-31	50	78	59
280	-34	-48	-57	-38	-37	-38	-47	-55	-44	-36	820	125	172	161	-123	-83	-62	63	63	34
290	-37	-25	-57	-38	-37	-38	-47	-55	-44	-36	830	123	195	252	282	302	233	34	63	34
300	-37	-25	-57	-38	-37	-38	-47	-55	-44	-36	840	-59	-209	257	178	219	347	32	32	-312
310	-49	-71	-88	-22	6	-17	-7	5	-27	-17	850	-57	-276	-219	-224	8	143	214	168	7
320	-49	-71	-88	-22	6	-17	-7	5	-27	-17	860	-276	-288	-219	-224	8	143	214	168	7
330	79	138	134	141	81	-56	-55	-17	-38	-18	870	10	90	10	32	43	59	38	34	-83
340	79	138	134	141	81	-56	-55	-17	-38	-18	880	-101	-90	-90	132	179	189	152	40	-65
350	136	143	131	125	32	18	-47	-90	-118	-95	890	-91	-90	-90	132	179	189	152	40	-65
360	52	66	79	122	105	76	-7	-57	-79	-64	900	170	175	131	-23	-125	-112	-80	-10	69
370	52	66	79	122	105	76	-7	-57	-79	-64	910	304	321	243	-52	-22	-188	-197	-137	151
380	-94	64	108	167	171	131	32	-41	-87	-126	920	267	209	252	282	302	233	34	63	34
390	-60	46	77	124	134	132	113	46	-12	-50	930	23	124	201	219	214	248	259	-244	43
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410	-52	-55	-37	16	115	131	132	109	33	25	950	-152	-142	-104	8	68	133	162	155	6
420	-52	-55	-37	16	115	131	132	109	33	25	960	-152	-142	-104	8	68	133	162	155	6
430	23	-19	-68	-38	-42	-28	44	64	74	55	970	32	75	116	-153	-149	-111	42	29	57
440	23	-19	-68	-38	-42	-28	44	64	74	55	980	69	71	72	68	22	56	3	3	-26
450	126	1	-57	-69	-65	32	77	175	194	205	990	41	90	147	157	145	97	-2	-2	-123
460	104	6	-18	-18	-29	-28	41	84	84	103	1000	-101	-20	52	99	112	109	86	8	-65
470	104	6	-18	-18	-29	-28	41	84	84	103	1010	-113	-121	-14	1	99	150	196	182	96
480	44	-39	-88	-115	-77	-36	13	56	93	82	1020	-103	-132	-143	-128	123	123	197	237	221
490	25	42	22	6	11	15	14	15	15	21	1030	70	-135	-163	-144	-179	-50	154	198	185
500	25	42	22	6	11	15	14	15	15	21	1040	133	51	-173	-170	-147	-41	19	70	102

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-537 U-D)

HO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	106	86	57	-75	-92	-101	-74	102	148	157
1060	156	116	41	-124	-147	-149	-110	58	137	158
1070	170	151	49	-21	-82	-72	-72	-55	-24	0
1080	16	49	67	52	77	56	-34	-93	-82	-82
1090	-70	-25	47	92	128	125	106	41	-23	-44
1100	-41	-23	0	36	47	37	30	7	-44	-73
1110	-82	-67	-33	88	111	129	129	105	47	-25
1120	-36	-43	-41	-34	-14	59	90	102	99	68
1130	2	-61	-67	-63	-53	-53	-24	-24	-15	-34
1140	58	107	118	85	8	8	-81	-65	-55	-34
1150	30	46	46	36	-2	-33	-34	8	79	116
1160	135	127	90	7	-43	-61	-51	-37	16	27
1170	36	36	31	-17	-54	-51	-34	-11	37	41
1180	37	37	36	22	-34	-85	-104	-95	-1	57
1190	82	77	67	67	60	57	60	60	57	36
1200	27	8	6	9	19	19	28	36	29	-25
1210	-65	-72	-72	-64	-13	-30	48	-104	-73	-12
1220	40	9	23	-54	60	56	49	36	46	46
1230	17	37	49	57	60	56	49	46	38	77
1240	-13	-12	-3	8	19	38	47	46	38	77
1250	-44	-44	-62	-42	41	67	128	128	117	35
1260	15	-15	-45	-34	51	78	77	76	75	65
1270	-45	-44	-34	1	51	78	77	76	75	65
1280	35	88	46	-46	-74	-82	-83	-36	101	117
1290	96	80	38	10	-58	-62	-24	36	41	81
1300	99	78	10	-88	-40	-37	-6	-3	9	31
1310	49	56	46	40	18	-45	-1	-3	6	90
1320	56	51	40	18	-45	-61	-62	39	60	131
1330	77	67	19	-55	-72	-112	-64	-42	-110	-3
1340	130	113	41	-64	94	-112	-64	-42	-110	-3
1350	37	92	138	157	138	124	56	-42	-74	-98
1360	-111	-95	-34	69	90	88	75	5	-32	-32
1370	-31	-35	-7	8	71	79	80	68	40	1
1380	-4	-3	8	-64	-51	-24	48	19	29	18
1390	8	-4	-3	8	-51	-24	48	19	29	18
1400	15	-4	-18	-43	-24	-22	-14	20	39	41
1410	39	30	25	19	-5	-15	-14	-34	-25	-18
1420	50	25	-14	-22	-12	-19	60	59	56	56
1430	50	25	-14	-22	-12	-19	60	59	56	56
1440	-13	-11	-15	-22	-12	-15	-25	-25	-1	-12
1450	-8	-3	-8	-2	-3	-4	-4	0	-4	-14
1460	14	3	-12	-3	-3	-4	-4	0	-4	-14
1470	14	3	-12	-3	-3	-4	-4	0	-4	-14
1480	-1	-34	-42	-16	58	60	60	57	37	-1
1490	-24	-22	-13	8	45	67	67	57	25	-33
1500	-44	-45	-14	-14	-14	-25	-25	-28	-22	-15
1510	15	15	-37	58	68	68	70	67	30	15
1520	-55	-56	-37	15	49	59	48	-13	-33	-45
1530	-30	-34	-3	9	9	7	-3	-12	-25	-25
1540	-25	-30	-14	-3	17	28	39	38	26	9
1550	16	15	-27	6	29	26	-32	-55	-62	-64
1560	-59	-45	-26	-15	-2	0	-27	-12	-14	-15
1570	5	17	27	16	-13	-13	-27	-28	-14	-14
1580	-8	-4	8	-30	16	-39	-39	5	-45	-54

TO BE CONTINUED

CONTINUED(S-537 U-D)

HO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	-44	-33	-14	15	30	45	47	38	-2	-35
1600	-48	-42	-35	-26	19	57	90	107	97	-2
1610	-24	-54	-75	-66	-63	-27	-3	40	76	67
1620	60	38	0	-44	-56	-56	16	16	16	30
1630	63	15	-34	-43	-52	-44	-44	30	30	30
1640	49	59	39	-2	-45	-45	-23	7	10	18
1650	18	7	2	-2	-14	-14	-13	-13	-14	-13
1660	-21	-13	-33	-2	-44	-45	-15	38	50	54
1670	50	32	20	27	-24	0	39	7	10	9
1680	-34	-34	-21	-14	-24	0	6	7	10	9
1690	-7	-4	-21	-14	-24	0	6	7	10	9
1700	-22	9	41	53	21	0	12	-22	-22	-14
1710	-10	-2	1	6	7	13	38	11	11	-33
1720	-10	-2	1	6	7	13	38	11	11	-33
1730	-54	-53	-52	-55	8	41	58	83	90	72
1740	1	-40	-71	-73	-63	2	40	37	41	83
1750	-10	-40	-53	-39	-39	2	40	62	88	83
1760	49	10	-32	-39	-39	2	40	62	88	83
1770	-31	-41	-50	-41	41	61	108	101	71	20
1780	-63	-71	-71	-49	-43	-35	11	21	29	21
1790	19	10	-1	-1	-14	-20	-20	-21	-20	-30
1800	28	-25	-18	-1	0	1	2	21	33	41
1810	28	-25	-18	-1	0	1	2	21	33	41
1820	32	0	-33	-41	-28	18	75	93	93	32
1830	-32	-51	-59	-41	-40	-5	12	22	23	29
1840	23	19	20	12	14	18	21	28	20	-20
1850	-52	-62	-62	-59	-62	-21	40	59	60	34
1860	-49	-69	-80	-80	-62	-21	40	59	60	34
1870	52	41	0	-21	-21	-11	-15	-19	-20	58
1880	-11	-11	2	9	0	-4	-22	-19	-20	-19
1890	-9	1	2	9	0	-4	-22	-19	-20	-19
1900	11	33	42	32	8	11	4	-2	0	11
1910	11	33	42	32	8	11	4	-2	0	11
1920	10	24	42	38	3	8	-42	-2	-12	-10
1930	10	24	42	38	3	8	-42	-2	-12	-10
1940	19	12	-42	-39	-19	3	24	32	29	29
1950	13	20	12	8	8	11	2	2	3	9
1960	8	9	11	11	11	11	11	11	12	11
1970	8	9	11	11	11	11	11	11	12	11
1980	23	-42	-42	-72	-69	-12	-21	28	43	42
1990	52	41	20	-12	-12	-9	-12	20	38	54
2000	7	0	12	-1	-12	-9	-12	20	38	54
2010	37	17	17	17	0	-15	-12	18	42	8
2020	13	7	13	13	-24	-15	-12	18	42	8
2030	38	28	13	-20	-35	-2	18	42	41	39
2040	29	0	-33	-31	-35	-2	18	42	41	39
2050	29	0	-33	-31	-35	-2	18	42	41	39
2060	29	0	-33	-31	-35	-2	18	42	41	39
2070	-16	-12	-13	-23	-23	-23	-13	18	17	11
2080	7	0	-11	-15	-16	-20	19	18	17	11
2090	0	0	0	0	-11	-20	19	18	17	11
2100	16	17	10	-2	-8	-2	0	10	7	7
2110	40	41	37	30	0	-12	-11	-13	0	29
2120	6	8	7	8	-2	-12	-11	-13	0	29

TO BE CONTINUED

CONTINUED(S-537 U-D)

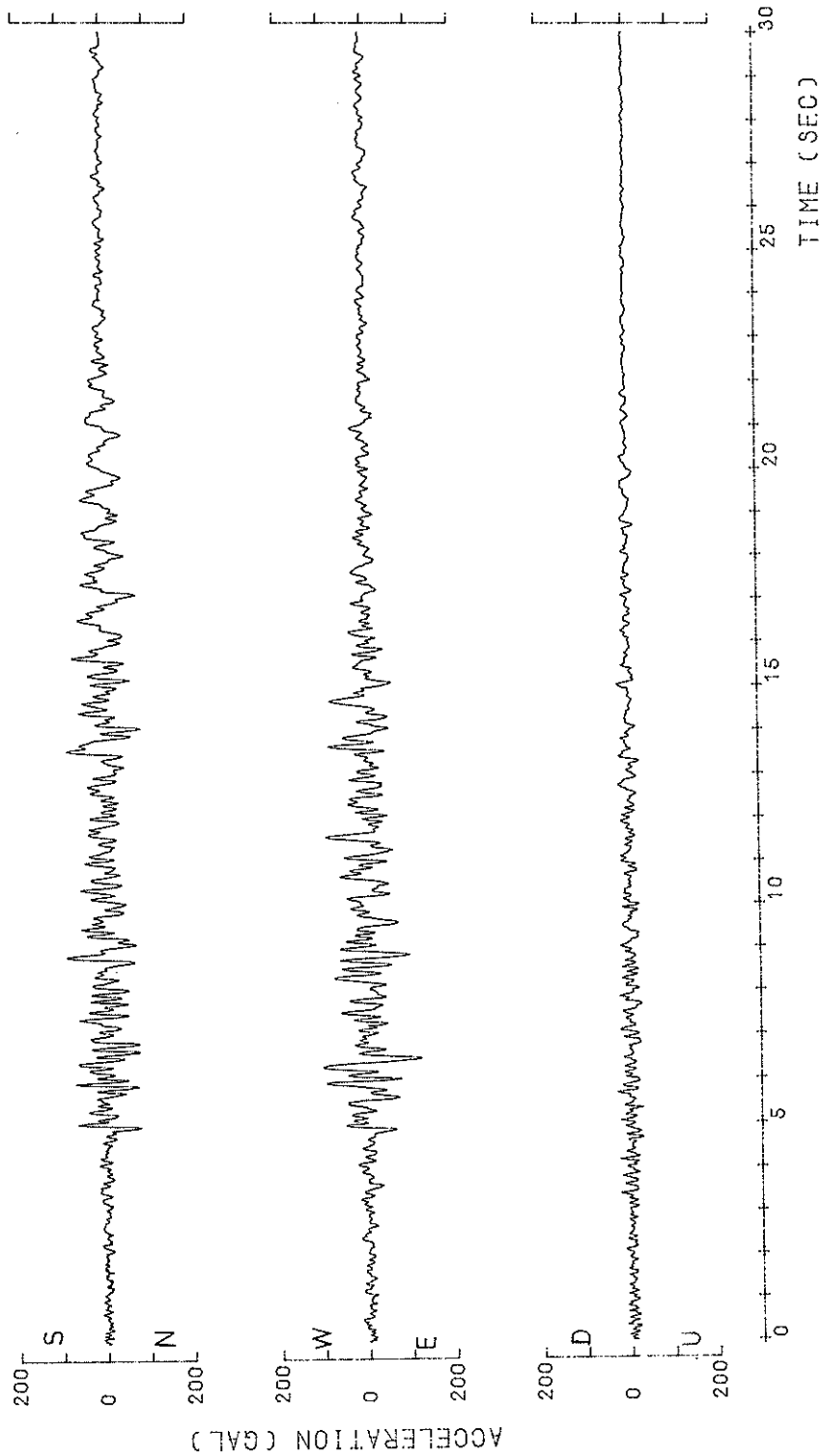
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2140	-44	-52	-4	2	37	51	64	58	17	17
2150	-45	-54	-11	-4	-7	-7	16	16	17	17
2160	11	12	12	0	-22	-23	35	-21	-3	17
2170	40	40	37	0	-34	-34	31	-21	-5	17
2180	41	52	60	28	0	0	31	-21	-5	0
2190	6	16	10	30	-2	-2	0	-53	-11	0
2200	29	31	20	26	-21	-21	0	-24	-31	17
2210	31	47	48	37	51	22	31	-24	-31	17
2220	28	0	-7	-7	-14	-14	0	-13	-3	0
2230	10	9	0	0	-13	-13	0	-13	-3	0
2240	19	26	47	49	40	40	-1	-21	-34	0
2250	-44	-31	-13	12	13	6	11	11	6	9
2260	-44	-13	-11	-13	-13	-13	0	19	27	19
2270	16	2	-21	-43	-41	-32	-13	-2	21	26
2280	20	12	31	41	0	33	-2	-12	-11	-11
2290	0	0	31	19	11	33	-2	-12	-36	-43
2300	-33	10	23	3	0	0	12	-12	-12	0
2310	16	16	0	0	-10	-10	0	-13	-2	2
2320	2	0	7	0	-11	-11	0	-12	-2	0
2330	16	12	2	2	12	12	-8	-14	8	18
2340	10	42	52	42	19	-8	-11	-42	-3	-10
2350	21	18	10	11	19	-25	-10	-42	-3	0
2360	10	10	0	0	-12	-12	-6	-12	-2	8
2370	0	0	0	0	-10	-10	0	-13	-10	-11
2380	-13	7	0	0	-12	-12	0	-21	-13	-10
2390	18	0	0	0	0	0	0	-2	0	0
2400	-12	-7	-11	-11	-11	-11	14	-2	-13	-10
2410	0	0	-1	-1	1	1	11	18	8	9
2420	23	19	0	0	-21	-21	-11	28	32	30
2430	0	0	-19	-10	-20	-19	-12	-11	-12	-11
2440	-11	-11	-11	-10	-12	-12	-12	-12	-12	-12
2450	1	12	19	28	31	0	1	-5	-12	-9
2460	-42	-31	-11	-28	31	18	18	-2	-42	-49
2470	0	0	29	9	21	21	18	8	-1	-11
2480	1	1	29	31	23	13	1	-41	-49	-39
2490	-9	0	42	52	43	12	-11	-31	-31	-31
2500	-2	-2	14	30	23	19	0	-10	-11	-20
2510	-36	-20	-10	-11	0	0	12	11	9	1
2520	-11	-11	-15	-11	-11	-11	9	8	1	-11
2530	0	14	22	19	0	1	-1	0	2	10
2540	-16	-14	-12	-9	0	10	8	14	19	12
2550	-1	-3	7	8	0	3	2	0	0	-10
2560	-12	-3	19	19	0	19	8	0	0	0
2570	0	0	-11	-11	0	0	2	-32	-32	-32
2580	-2	11	20	9	19	2	1	-11	-11	-12
2590	-2	-12	0	0	0	0	11	-11	-11	-12
2600	-2	-23	0	0	15	15	12	11	0	0
2610	-10	-10	-20	0	15	15	12	11	0	0
2620	-10	-20	-20	2	15	15	12	11	0	0
2630	4	0	-10	-10	-10	-10	9	0	0	2
2640	4	-9	-3	-3	-10	-10	-4	-4	0	0
2650	3	0	-3	4	6	10	-4	3	1	18
2660	-30	-33	-30	-20	13	30	32	35	25	10

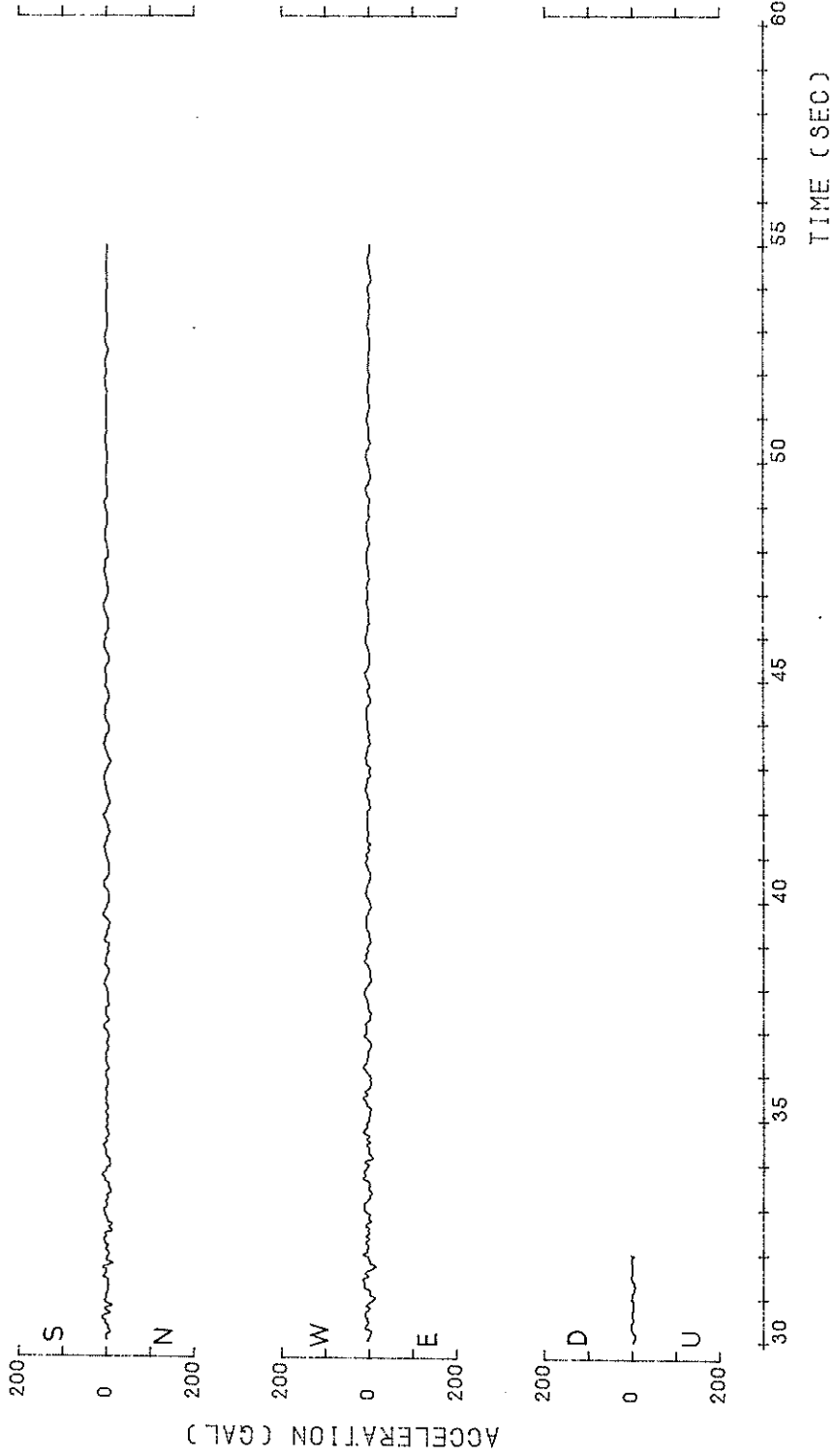
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S-544 HOSOSHIMA-S 1970-07-26-07-41

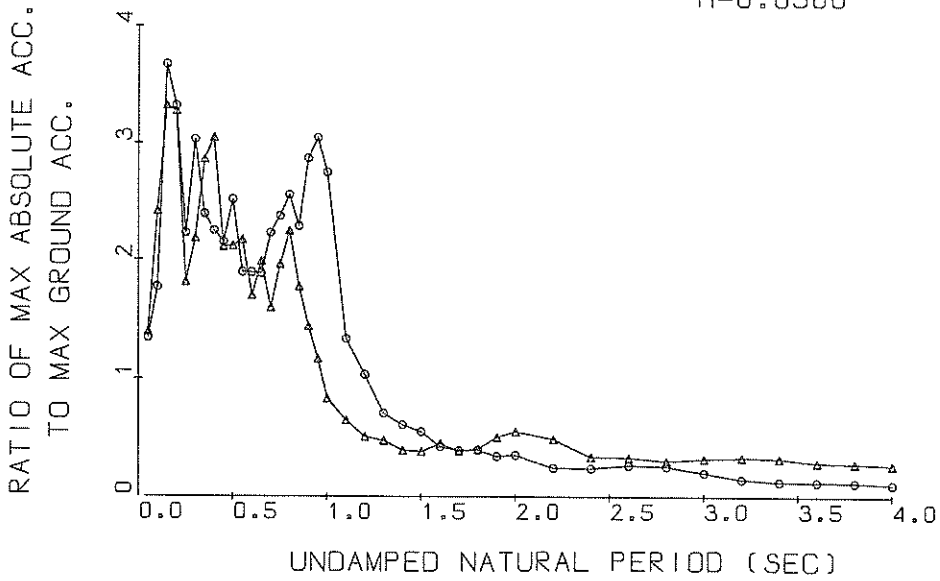


S-544 HOSOSHIMA-S 1970-07-26-07-41



S-544 HOSOSHIMA-S
1970-07-26-07-41

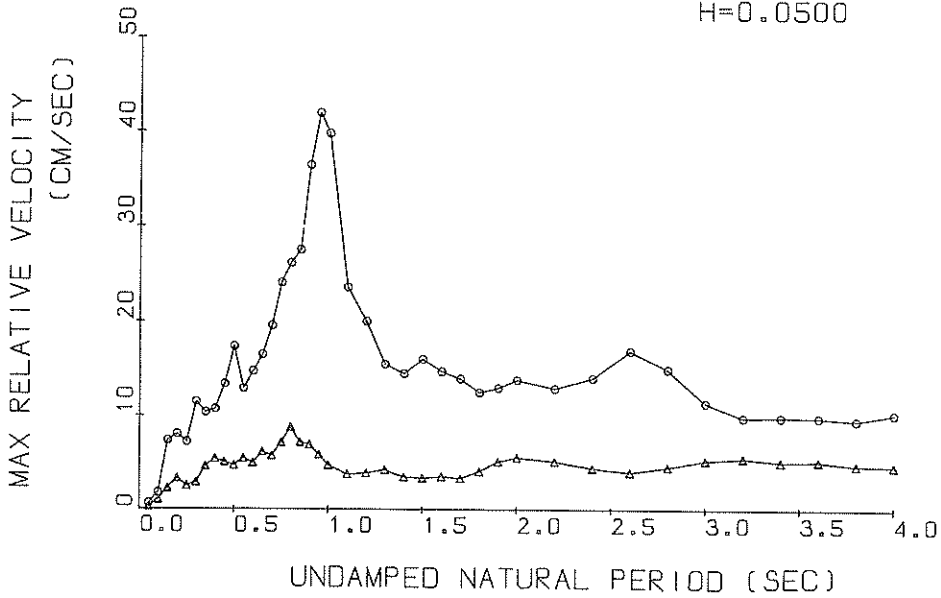
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Response Spectra

S-544 HOSOSHIMA-S
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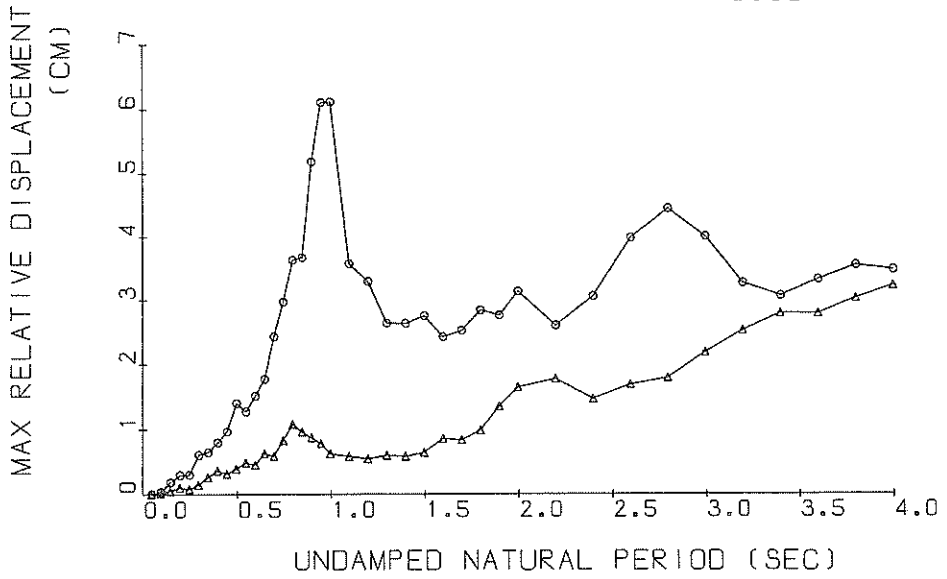
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Response Spectra

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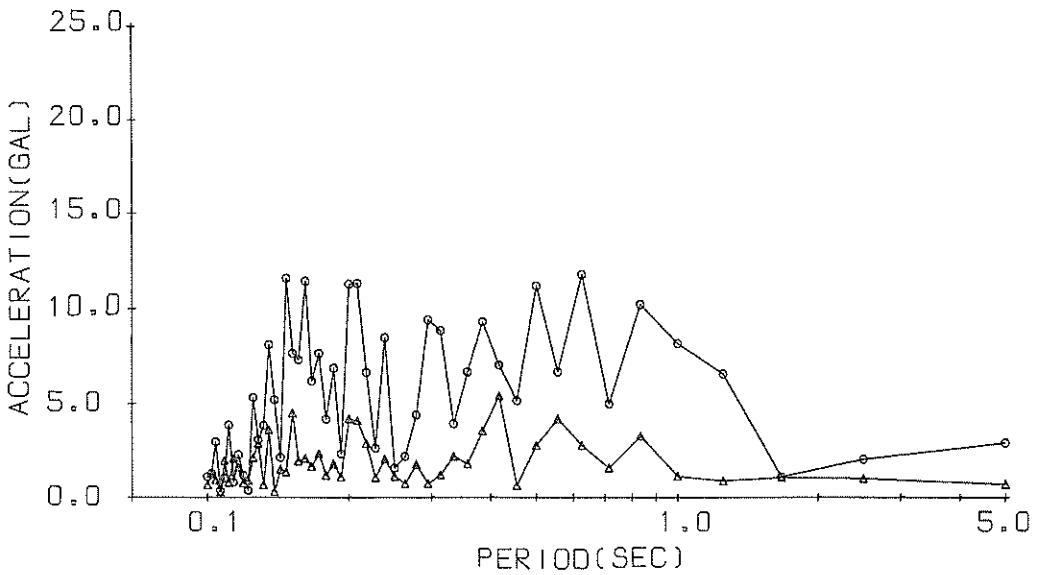
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 △ U-D
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Response Spectra

S-544

○ N-S TSK=5.00 TUS=5.00
 △ U-D TSK=5.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-544 COMPONENT = U-D SIGNAL = GRV.ACC. CORRECTION = ARC.ERR. STATION = HOSOSHIMA-S
 DATE AND TIME = 11970-07-26-07-43 SAHWLING INTERVAL = 0.0100 (SEC) MAX.GROUND ACC. = 29.76 (GAL)
 TIME LENGTH = 225.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	91.8	0.651	0.006	45.9	0.228	0.003	41.3	0.25	0.003	35.5	0.22	0.002	32.4	0.17	0.002					
0.10	189.6	2.75	0.048	88.9	0.718	0.023	71.8	0.99	0.018	59.1	0.80	0.015	42.1	0.53	0.010					
0.15	522.9	12.30	0.298	134.7	2.99	0.077	98.9	2.17	0.056	69.7	1.43	0.039	41.6	0.80	0.022					
0.20	321.3	10.07	0.326	131.0	4.19	0.132	97.4	3.22	0.099	72.5	2.11	0.072	41.7	1.05	0.039					
0.25	174.6	6.76	0.276	68.8	2.83	0.109	53.8	2.46	0.085	47.0	1.89	0.073	35.1	1.28	0.053					
0.30	95.8	4.41	0.218	75.3	3.48	0.172	84.9	2.81	0.147	52.2	2.23	0.117	35.4	1.52	0.076					
0.35	269.8	14.81	0.837	114.1	6.24	0.354	85.2	4.57	0.263	58.8	3.17	0.179	37.5	1.69	0.108					
0.40	377.6	23.96	1.530	127.6	7.78	0.517	90.7	5.36	0.366	57.6	3.63	0.231	37.7	2.00	0.137					
0.45	167.3	12.05	0.858	82.0	6.43	0.420	62.7	5.00	0.320	49.1	3.66	0.247	35.8	2.19	0.169					
0.50	140.5	10.75	0.890	76.9	5.65	0.487	62.9	4.63	0.396	48.1	3.70	0.299	34.8	2.42	0.197					
0.55	115.1	18.92	1.671	63.9	6.88	0.643	64.4	5.38	0.491	45.5	4.19	0.341	32.9	2.60	0.222					
0.60	218.2	11.34	1.051	67.4	6.55	0.613	50.5	4.90	0.458	38.5	4.05	0.346	30.1	2.66	0.240					
0.65	193.4	19.82	2.049	83.4	8.71	0.891	59.0	6.13	0.629	41.6	4.04	0.437	27.2	2.63	0.255					
0.70	120.1	15.38	1.491	58.5	6.72	0.724	47.4	5.67	0.586	38.9	4.36	0.474	25.2	2.55	0.278					
0.75	199.9	23.88	2.848	82.6	9.71	1.176	58.3	7.11	0.827	38.2	5.05	0.539	23.2	2.78	0.303					
0.80	166.5	20.96	2.699	94.0	11.94	1.523	66.7	8.76	1.016	43.4	5.67	0.690	24.3	2.87	0.350					
0.85	101.3	13.81	1.854	65.2	8.81	1.191	52.7	7.12	0.959	39.2	5.13	0.697	23.9	2.86	0.376					
0.90	78.9	11.42	1.618	55.7	8.62	1.073	42.8	6.87	0.873	31.8	4.99	0.633	22.4	3.02	0.383					
0.95	80.9	13.21	1.985	48.0	7.22	1.078	34.5	5.82	0.784	25.5	4.55	0.567	20.4	3.00	0.377					
1.00	45.0	7.55	1.140	32.1	5.35	0.812	24.7	4.66	0.621	20.5	4.05	0.501	18.3	2.94	0.366					
1.10	47.2	8.53	1.446	24.0	4.37	0.735	19.2	3.73	0.581	15.7	3.40	0.461	15.0	2.77	0.359					
1.20	33.1	7.68	1.206	20.4	4.99	0.741	15.0	3.82	0.545	12.0	3.04	0.423	12.7	2.58	0.372					
1.30	30.2	6.99	1.295	17.5	4.95	0.750	14.1	4.20	0.601	10.8	3.42	0.457	11.2	2.49	0.392					
1.40	16.3	4.11	0.807	13.0	3.56	0.645	11.8	3.45	0.581	10.4	3.23	0.510	10.5	2.49	0.426					
1.50	21.6	5.12	1.228	14.4	3.81	0.820	11.4	3.31	0.643	10.7	3.08	0.572	10.2	2.43	0.419					
1.60	23.7	5.75	1.536	16.5	4.17	1.070	13.3	3.48	0.859	10.2	2.89	0.679	10.2	2.43	0.548					
1.70	10.7	4.84	1.224	13.0	3.41	0.947	11.5	3.29	0.834	10.4	3.12	0.722	10.4	2.47	0.626					
1.80	14.6	5.18	1.202	12.1	4.26	0.991	12.0	4.05	0.981	11.6	3.64	0.913	10.5	2.63	0.706					
1.90	22.7	6.73	2.075	16.6	5.79	1.517	15.0	5.09	1.354	12.8	4.12	1.125	10.6	2.72	0.778					
2.00	31.5	10.54	3.191	19.0	6.54	1.925	16.4	5.54	1.642	13.3	4.29	1.284	10.5	2.74	0.833					
2.20	20.0	7.03	2.446	16.8	5.88	2.050	14.5	5.13	1.772	11.7	4.15	1.410	9.7	2.93	0.999					
2.40	14.8	5.76	2.153	10.4	4.65	1.511	10.1	4.41	1.465	9.5	3.92	1.345	8.5	3.10	0.909					
2.60	13.6	5.56	2.334	11.7	4.63	1.997	9.9	3.96	1.680	8.2	3.82	1.350	7.4	3.16	1.029					
2.80	17.7	7.78	3.517	11.7	5.54	2.331	9.1	4.51	1.788	7.7	4.09	1.495	6.4	3.20	1.049					
3.00	16.1	7.66	3.668	11.1	5.75	2.523	9.6	5.22	2.183	8.0	4.47	1.760	6.4	3.25	1.211					
3.20	13.7	7.32	3.551	11.4	6.15	2.963	9.9	5.46	2.523	7.9	4.52	1.936	6.5	3.19	1.383					
3.40	13.6	7.52	3.985	11.3	6.07	3.301	9.6	5.09	2.790	7.4	4.26	2.105	6.4	3.02	1.548					
3.60	14.2	8.00	4.669	10.1	5.99	3.320	8.6	5.15	2.784	7.5	4.31	2.353	6.3	3.02	1.695					
3.80	13.0	8.22	4.768	9.2	5.67	3.349	8.3	4.71	3.022	7.2	4.04	2.549	6.1	2.95	1.806					
4.00	12.1	7.31	4.913	9.3	5.69	3.776	8.0	4.65	3.223	6.9	3.97	2.712	5.8	2.92	1.922					

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-544 COMPONENT = U-D STATION = HOSHIMA-S
 DATE AND TIME = 1970-07-26-07-41 TOTAL NUMBER OF DATA = 3200
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-4	-94	-95	-6	8	15	-6	8	-24	-75
10	-73	64	23	-8	-24	-65	-102	-12	19	-127
20	-115	-54	-45	12	-15	-35	-44	-37	43	-68
30	-147	-172	-186	44	57	121	52	33	33	-33
40	15	13	15	14	-37	-109	-117	-126	-124	-21
50	62	21	4	-38	-118	-152	-166	-154	-92	-24
60	-77	-68	-77	-85	31	103	65	10	31	-78
70	-108	-107	-86	-61	-40	-49	-48	31	80	114
80	82	45	30	31	72	71	30	30	-50	-50
90	-38	-101	-128	-138	-139	-118	-44	-28	-10	-10
100	-69	-110	-110	-92	-34	10	60	89	31	2
110	-69	-110	-110	-92	-34	10	60	89	31	2
120	-30	-39	-49	-51	-50	-52	-64	-71	-80	-83
130	-84	-53	-20	-16	-15	-23	-10	30	38	-69
140	18	-33	-71	-95	-101	-102	-102	-101	-95	-60
150	14	40	71	68	52	27	0	10	20	31
160	170	41	40	19	-13	-24	0	9	16	19
170	41	40	19	-13	-24	0	9	16	19	18
180	-31	-24	-45	-74	-96	-113	-111	-53	19	-33
190	31	47	48	36	37	15	-3	-33	-35	-35
200	-25	-24	-13	-2	35	71	105	124	125	125
210	94	84	9	-24	-57	-96	-105	-104	-106	-95
220	-86	-74	-63	-56	-63	-73	-95	-98	-53	-84
230	-2	68	86	87	63	-25	-83	-94	-104	-94
240	-53	7	39	66	56	35	17	4	-2	-1
250	-2	-15	-26	-24	-17	-29	-33	-36	-26	-26
260	5	17	27	7	-19	-34	-45	-47	-57	-56
270	-57	-48	-39	-1	6	24	37	53	48	-10
280	-64	-105	-110	-105	-48	-10	17	35	34	19
290	6	-17	-19	-10	5	16	16	16	16	16
300	26	26	27	37	19	-2	-57	-106	-125	-145
310	-150	-135	-74	4	54	55	48	36	19	-58
320	-106	-126	-136	-118	-65	-44	44	45	45	6
330	-10	-18	-17	-6	36	47	79	127	198	234
340	221	122	48	-18	-59	-116	-126	-139	-136	-137
350	-137	-129	-136	-136	-120	-84	-49	8	47	114
360	134	142	95	-5	-5	-59	-107	-127	-131	-135
370	-139	-130	-89	-35	23	22	35	106	165	199
380	162	122	53	3	-57	-117	-149	-174	-164	-127
390	-66	-58	-58	-47	-46	-39	-35	13	53	92
400	94	84	43	-109	-116	-108	-79	-47	-66	-66
410	-116	-146	-157	-136	-66	15	151	246	242	153
420	-64	-49	-82	-150	-176	-171	-107	-89	-29	-44
430	-44	-17	26	64	105	65	64	14	24	-44
440	-67	-74	-74	-47	-18	-15	-26	-36	-44	-44
450	-34	-27	-19	-33	-67	-95	-107	-106	-82	27
460	56	57	28	-16	-116	-198	-259	-274	-258	-203
470	-101	8	107	95	-3	-17	-74	-165	-186	-206
480	-223	-229	-191	-153	-93	-65	-53	-35	-1	50
490	107	108	79	-87	-87	-84	-84	-84	-84	-84
500	-61	-14	70	181	225	200	124	86	27	-33

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-5-4 J-D)

CONTINUED(S-5-4 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-32	-15	-12	-1	-1	-11	-21	-32	-41	-59
1060	-59	-59	-50	-25	11	38	61	73	91	90
1070	49	-20	-114	-164	-189	-190	-185	-181	-172	-172
1080	-158	-129	-90	-35	-19	-12	-71	-102	-133	-133
1090	-150	-159	-174	-41	21	89	131	149	150	142
1100	118	61	63	59	52	60	92	140	154	160
1110	159	108	31	79	60	30	12	1	-19	-19
1120	-29	-35	-35	-34	-40	-29	-53	-62	-65	-69
1130	-70	-58	-11	32	48	62	61	29	1	32
1140	-51	-72	-39	-89	-89	-69	-9	39	51	59
1150	28	-20	-71	-111	-139	-149	-148	-141	-131	-110
1160	-84	-60	-42	-29	-24	-49	-81	-101	-111	-109
1170	-99	-70	-1	22	38	32	18	11	3	-5
1180	-22	-32	-29	-21	0	43	92	114	132	145
1190	149	140	113	79	42	11	-10	-30	-32	-29
1200	-14	60	101	121	121	81	21	19	-11	-52
1210	-90	-100	-111	-134	-145	-139	-107	-52	22	60
1220	60	11	-51	-103	-129	-142	-149	-141	-123	-111
1230	-99	-84	-74	-53	-29	-19	-11	0	1	-22
1240	-39	-51	-59	-59	-53	-52	-49	-54	-91	-103
1250	-121	-143	-171	-184	-190	-191	-178	-150	-128	-89
1260	-51	-12	17	38	47	47	59	141	150	157
1270	163	179	290	210	199	183	129	128	119	103
1280	99	97	91	83	71	37	0	-50	-93	-132
1290	-165	-192	-192	-191	-182	-155	-132	-121	-112	-102
1300	-94	-99	-53	-25	1	9	19	9	-13	-41
1310	-62	-34	-101	-113	-113	-102	-67	-45	-41	-21
1320	-53	-72	-96	-124	-177	-219	-245	-255	-258	-257
1330	-224	-143	-63	-111	72	152	170	187	187	166
1340	138	117	115	98	97	98	108	111	100	60
1350	28	-1	-24	-54	-75	-72	-61	-32	-4	7
1360	11	18	18	19	25	36	46	56	57	55
1370	50	45	46	47	47	70	110	136	134	117
1380	67	15	-24	-38	-42	-37	-35	-26	16	28
1390	35	29	19	-25	-44	-53	-54	-63	-74	-74
1400	-83	-113	-133	-158	-177	-186	-186	-181	-122	-93
1410	-56	-15	-1	15	25	25	30	29	26	20
1420	18	29	35	45	46	38	37	37	30	30
1430	31	9	0	-11	0	0	0	-11	-3	0
1440	9	-31	-32	-65	-72	-72	-61	-50	-40	-40
1450	-40	-41	-43	-51	-53	-60	-61	-71	-74	-74
1460	-81	-63	-93	-102	-111	-114	-121	-110	-75	-72
1470	-64	-60	-40	-30	-19	-15	-22	-22	-32	-35
1480	-42	-40	-42	-41	-29	-30	-19	-21	-20	-20
1490	-22	-19	-12	21	120	132	149	161	183	199
1500	209	208	198	161	110	59	1	-20	-70	-129
1510	-132	-159	-159	-149	-111	-100	-101	-119	-140	-144
1520	-148	-137	-119	-109	-100	-83	-80	-71	-69	-69
1530	-58	-57	-57	-57	-72	-89	-98	-110	-106	-86
1540	1	61	96	121	102	72	61	50	35	35
1550	34	35	35	45	37	36	34	34	34	35
1560	32	21	4	-9	-26	-28	-26	-19	-8	-8
1570	14	34	24	4	-9	-1	-9	-18	-25	-28
1580	-36	-45	-56	-66	-79	-85	-88	-80	-80	-59

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-544 U-D)

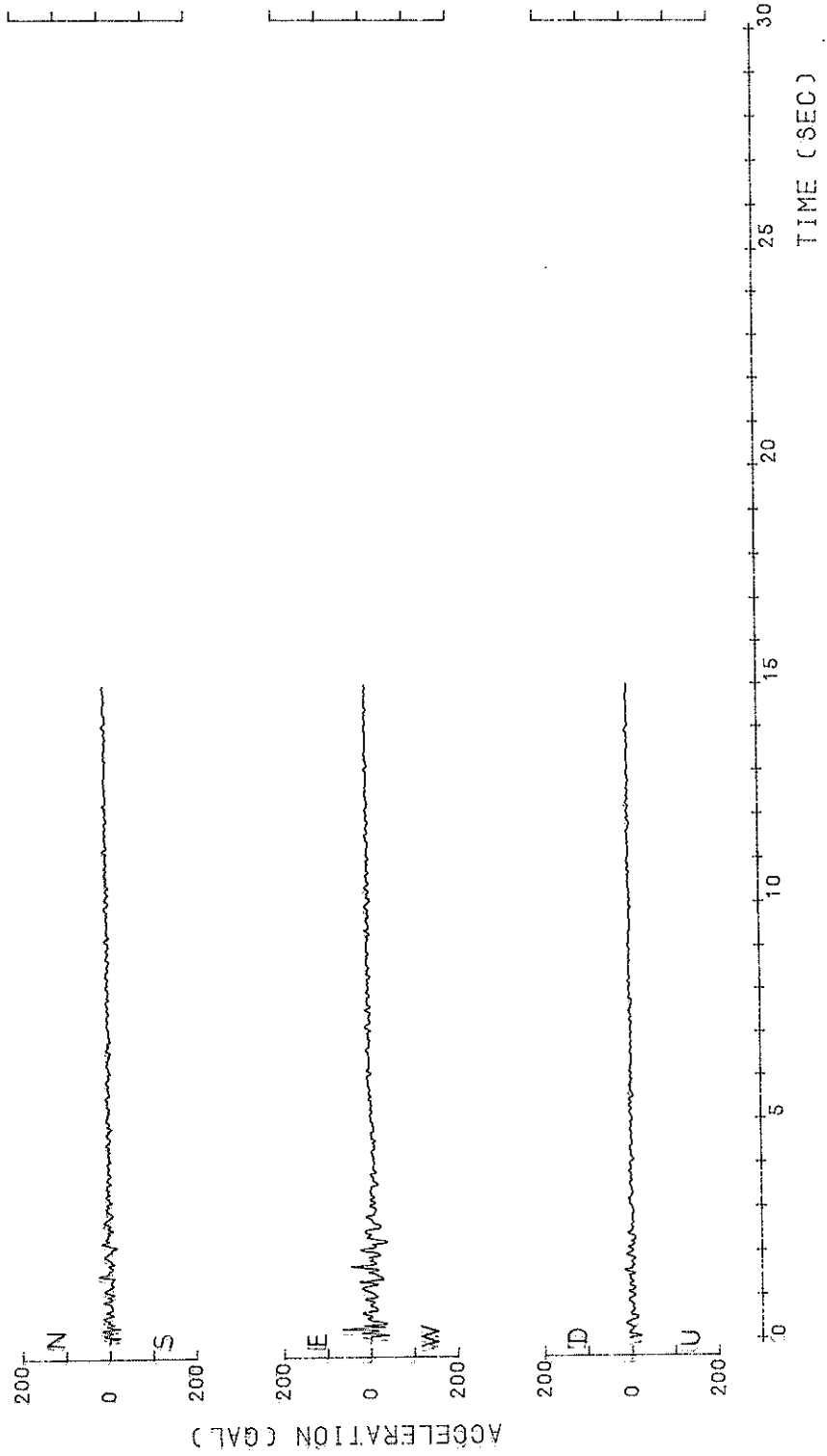
CONTINUED(S-544 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
2130	15	33	42	52	51	43	33	30	29	29	-9	-8	-9	-12	-12	-11	-10	-10	-9	-10
2140	29	22	22	-8	-41	-49	-48	-48	-48	-47	-9	-9	-9	-9	-9	-9	-9	-9	-9	-11
2150	-48	-49	-50	-58	-58	-70	-70	-69	-69	-69	-30	-30	-30	-39	-39	-44	-49	-49	-51	-49
2160	-58	-51	-39	-13	-30	41	51	65	71	71	-40	-41	-40	-38	-38	-22	-21	-19	-20	-20
2170	70	65	61	50	42	25	19	2	-23	-31	-22	-19	-22	-21	-18	-11	-11	-11	-11	-8
2180	-38	-60	-51	-58	-47	-43	-39	-30	-23	-10	1	1	1	1	1	0	0	0	0	-20
2190	-11	-21	-21	-21	-21	-20	-17	-11	-10	-9	-28	-29	-28	-19	-14	-10	-9	-10	-10	-10
2200	-7	-7	-10	-10	-13	-18	-17	-22	-27	-30	-10	-10	-10	-14	-10	0	0	0	0	0
2210	-37	-37	-37	-37	-33	-28	-20	3	3	3	-25	-25	-25	-25	-25	-31	-31	-31	-31	-29
2220	-9	-9	-9	-9	-9	-10	2	3	3	3	-31	-31	-31	-31	-31	-31	-31	-31	-31	-29
2230	1	3	6	11	12	12	13	16	20	20	-25	-25	-25	-25	-25	-22	-22	-22	-22	-22
2240	20	21	21	22	23	25	3	4	13	13	-21	-21	-21	-21	-21	-19	-19	-19	-19	-22
2250	4	3	-8	-9	-9	-9	-9	-9	-9	-9	-21	-21	-21	-21	-21	-22	-22	-22	-22	-22
2260	-7	-7	-17	-17	-23	-30	-39	-49	-51	-59	-20	-20	-20	-20	-20	-19	-19	-19	-19	-21
2270	-59	-56	11	17	14	7	4	-7	-12	-26	1	1	1	1	1	1	1	1	1	1
2280	3	11	17	24	14	7	4	-7	-12	-26	1	1	1	1	1	1	1	1	1	1
2290	4	4	7	14	22	24	34	42	44	34	-21	-21	-21	-21	-21	2	2	2	2	2
2300	25	24	4	11	17	24	34	42	44	34	-21	-21	-21	-21	-21	2	2	2	2	2
2310	-40	-48	-48	-18	-6	14	22	25	21	21	-17	-17	-17	-17	-17	12	12	12	12	12
2320	-22	-26	-26	-18	6	14	22	25	21	21	-17	-17	-17	-17	-17	12	12	12	12	12
2330	21	24	22	26	22	37	36	36	33	33	-27	-27	-27	-27	-27	13	13	13	13	13
2340	27	25	22	25	25	18	6	7	15	-21	-39	-41	-39	-37	-33	2	2	2	2	2
2350	-28	-30	-35	-35	-39	-47	-51	-57	-58	-38	-16	-9	-11	-12	-16	4	4	4	4	4
2360	-59	-56	-50	-46	-45	-51	-57	-58	-38	-38	-16	-9	-11	-12	-16	4	4	4	4	4
2370	-28	-19	-1	-8	-15	4	4	5	2	4	-6	-6	-6	-6	-6	12	12	12	12	12
2380	13	13	17	17	17	17	18	18	15	12	-9	-9	-9	-9	-9	14	14	14	14	14
2390	5	5	5	5	5	5	5	5	5	5	-19	-19	-19	-19	-19	14	14	14	14	14
2400	5	5	5	5	5	5	5	5	5	5	-19	-19	-19	-19	-19	14	14	14	14	14
2410	-9	-7	4	4	15	17	13	8	3	4	2	2	2	2	2	-19	-19	-19	-19	-19
2420	-6	-6	-5	-6	-6	-6	-6	-6	-6	-6	15	15	15	15	15	-17	-17	-17	-17	-17
2430	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	15	15	15	15	15	-17	-17	-17	-17	-17
2440	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	15	15	15	15	15	-17	-17	-17	-17	-17
2450	12	11	114	13	5	4	-6	-19	-26	-39	3	3	3	3	3	4	4	4	4	4
2460	-40	-38	-50	-57	-51	-47	-49	-41	-36	-39	15	15	15	15	15	-19	-19	-19	-19	-19
2470	-38	15	32	32	31	32	32	31	34	35	-24	-24	-24	-24	-24	-30	-30	-30	-30	-30
2480	4	15	13	14	14	11	6	3	4	13	-24	-24	-24	-24	-24	-30	-30	-30	-30	-30
2490	15	11	111	14	32	35	31	31	31	31	16	16	16	16	16	-17	-17	-17	-17	-17
2500	10	13	124	32	35	31	31	31	31	31	16	16	16	16	16	-17	-17	-17	-17	-17
2510	-5	-8	-15	-17	-27	-37	-31	-38	-37	-37	16	16	16	16	16	-17	-17	-17	-17	-17
2520	-41	-49	-51	-51	-57	-65	-67	-68	-61	-68	16	16	16	16	16	-17	-17	-17	-17	-17
2530	-47	-40	-27	-30	-27	-30	-30	-38	-29	-28	16	16	16	16	16	-17	-17	-17	-17	-17
2540	-7	-9	-38	-30	-29	-27	-17	-18	-17	-17	16	16	16	16	16	-17	-17	-17	-17	-17
2550	13	10	10	12	9	10	12	10	11	12	16	16	16	16	16	-17	-17	-17	-17	-17
2560	12	12	12	12	12	12	12	12	12	12	16	16	16	16	16	-17	-17	-17	-17	-17
2570	-11	-10	-10	-11	-8	2	0	-7	-11	-6	16	16	16	16	16	-17	-17	-17	-17	-17
2580	-11	-10	-10	-11	-8	2	0	-7	-11	-6	16	16	16	16	16	-17	-17	-17	-17	-17
2590	-11	-10	-10	-11	-8	2	0	-7	-11	-6	16	16	16	16	16	-17	-17	-17	-17	-17
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2660	-10	-9	-9	-14	-21	-21	-21	-21	-21	-21	16	16	16	16	16	-17	-17	-17	-17	-17

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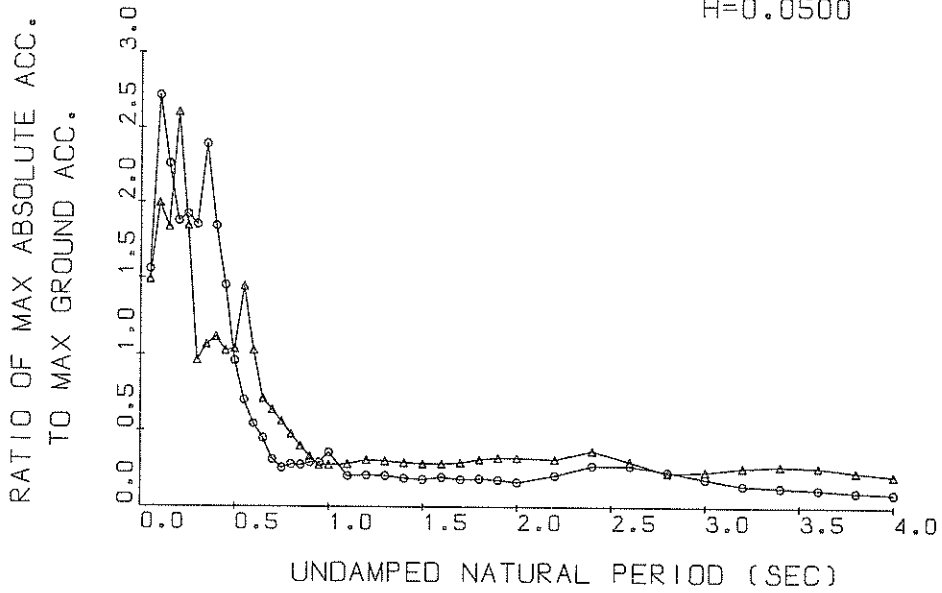
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S-554 OFUNADO-BOCHI-S 1970-09-14-18-45



S-554 OFUNADO-BOCHI-S
1970-09-14-18-45

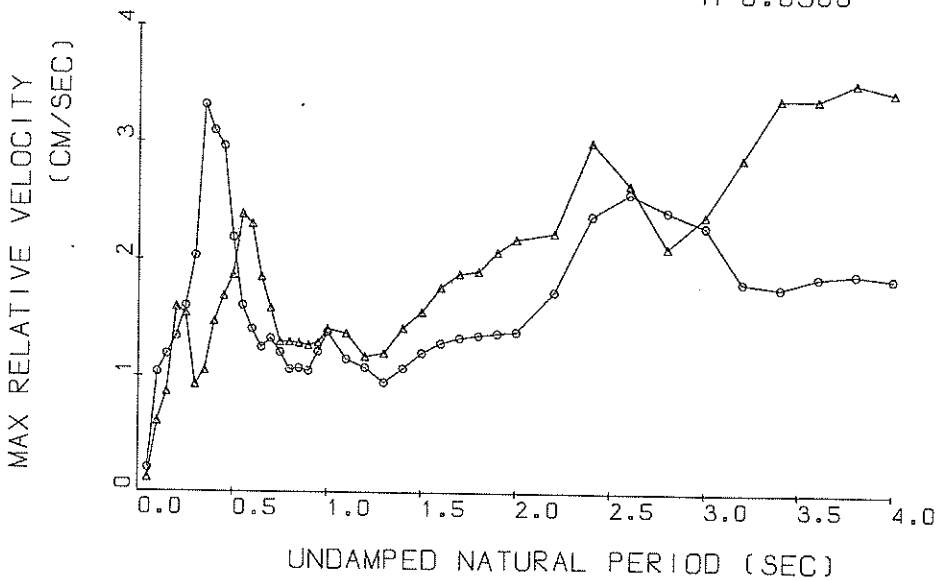
○ N-S
△ U-D
H=0.0500



Response Spectra

S-554 OFUNADO-BOCHI-S
1970-09-14-18-45

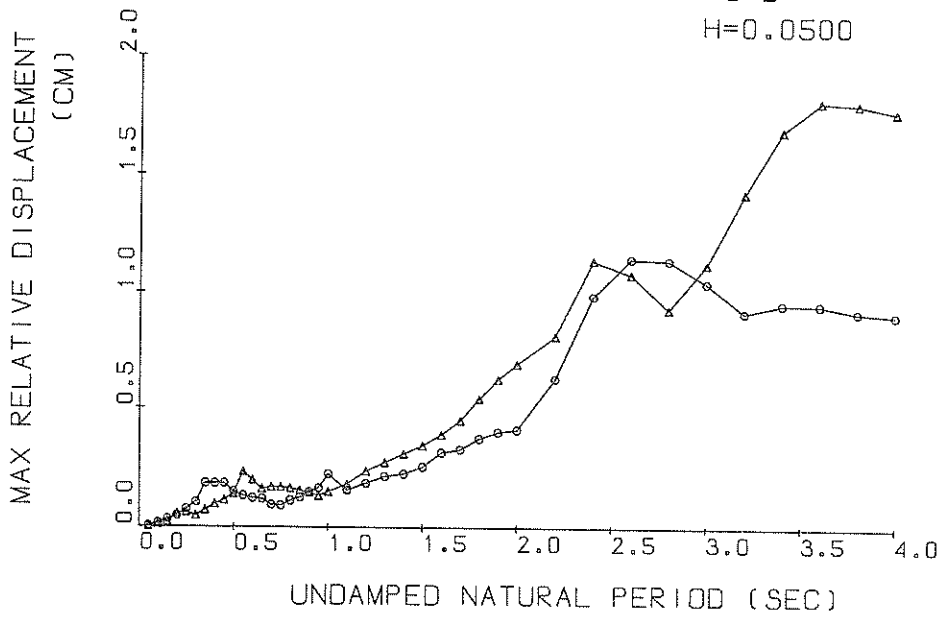
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△ U-D
H=0.0500



Response Spectra

S-554 OFUNADO-BOCHI-S
 1970-09-14-18-45

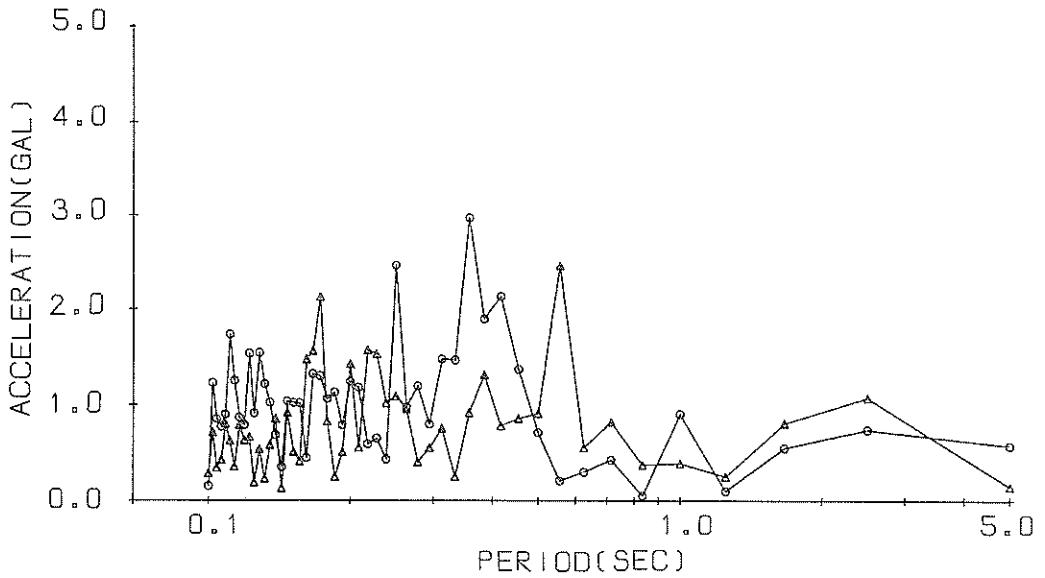
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-554

○ N-S TSK=0.00 TUS=5.00
 △ U-D TSK=0.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-554
 DATE AND TIME = 1970-09-14-J8-45
 TIME LENGTH = 14.00 (SEC)
 COMPONENT = U-D
 SIGNAL = GR.ACC.
 CORRECTION = ARC.ERR.
 STATION = OFUNADO-BOCHI-S
 MAX.GROUND ACC. = 21.12 (GAL)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	42.3	0.28	0.003	32.4	0.14	0.002	31.4	0.11	0.002	29.9	0.10	0.002	27.4	0.08	0.002	27.4	0.08	0.002		
0.10	85.2	1.30	0.022	46.8	0.67	0.012	42.1	0.61	0.011	37.9	0.52	0.009	31.7	0.34	0.007	31.7	0.34	0.007		
0.15	87.6	2.06	0.050	44.6	1.01	0.025	38.7	0.86	0.022	32.8	0.74	0.018	26.4	0.51	0.014	26.4	0.51	0.014		
0.20	147.6	4.64	0.150	67.3	2.06	0.068	55.0	1.60	0.056	41.4	1.12	0.041	25.1	0.56	0.024	25.1	0.56	0.024		
0.25	84.4	3.27	0.134	50.3	1.95	0.079	38.9	1.54	0.062	31.8	1.12	0.049	23.5	0.72	0.033	23.5	0.72	0.033		
0.30	66.8	3.17	0.152	28.6	1.22	0.060	20.3	0.93	0.046	20.7	0.85	0.046	19.2	0.76	0.038	19.2	0.76	0.038		
0.35	41.1	2.21	0.128	23.8	1.28	0.074	22.5	1.05	0.069	20.4	1.01	0.062	16.8	0.87	0.045	16.8	0.87	0.045		
0.40	68.4	4.28	0.277	29.5	1.97	0.119	23.6	1.47	0.095	20.1	1.31	0.079	14.8	1.00	0.051	14.8	1.00	0.051		
0.45	70.0	4.97	0.359	24.0	1.82	0.123	21.6	1.69	0.111	17.9	1.48	0.091	12.4	1.09	0.054	12.4	1.09	0.054		
0.50	40.7	3.40	0.258	28.5	2.22	0.180	21.9	1.87	0.138	18.5	1.49	0.115	13.0	1.11	0.079	13.0	1.11	0.079		
0.55	89.5	7.68	0.686	39.8	3.54	0.304	30.5	2.39	0.232	20.7	1.52	0.155	12.4	1.07	0.082	12.4	1.07	0.082		
0.60	56.5	5.69	0.515	27.3	2.93	0.249	21.7	2.30	0.196	15.1	1.58	0.133	10.8	1.00	0.081	10.8	1.00	0.081		
0.65	22.6	2.77	0.242	18.0	2.23	0.192	15.1	1.85	0.160	12.6	1.50	0.133	9.2	0.95	0.083	9.2	0.95	0.083		
0.70	32.5	3.52	0.404	15.1	1.73	0.188	13.5	1.59	0.167	11.6	1.36	0.140	8.3	0.95	0.091	8.3	0.95	0.091		
0.75	16.6	1.94	0.237	12.8	1.38	0.183	11.9	1.30	0.168	10.3	1.20	0.143	7.6	0.98	0.096	7.6	0.98	0.096		
0.80	12.9	1.71	0.210	10.9	1.35	0.176	10.1	1.30	0.163	9.0	1.21	0.141	7.0	1.00	0.099	7.0	1.00	0.099		
0.85	15.7	2.44	0.288	9.0	1.33	0.165	8.5	1.29	0.154	7.7	1.20	0.136	6.4	1.01	0.099	6.4	1.01	0.099		
0.90	9.6	1.64	0.197	7.4	1.31	0.151	7.0	1.29	0.143	6.5	1.20	0.129	5.8	1.02	0.099	5.8	1.02	0.099		
0.95	14.6	1.91	0.334	7.8	1.42	0.178	5.8	1.29	0.131	5.5	1.18	0.121	5.3	1.02	0.098	5.3	1.02	0.098		
1.00	14.6	2.41	0.370	6.8	1.55	0.173	5.9	1.41	0.148	5.1	1.20	0.126	4.9	1.01	0.096	4.9	1.01	0.096		
1.10	8.7	1.60	0.267	6.4	1.48	0.197	6.0	1.37	0.181	5.3	1.21	0.155	4.9	1.00	0.114	4.9	1.00	0.114		
1.20	8.1	1.25	0.294	7.2	1.21	0.262	6.5	1.17	0.236	5.7	1.08	0.197	5.0	0.98	0.135	5.0	0.98	0.135		
1.30	7.7	1.38	0.329	7.0	1.28	0.298	6.4	1.20	0.271	5.5	1.09	0.229	4.8	0.95	0.153	4.8	0.95	0.153		
1.40	7.3	1.61	0.364	6.7	1.51	0.333	6.2	1.42	0.306	5.3	1.28	0.260	4.5	1.03	0.174	4.5	1.03	0.174		
1.50	7.7	1.86	0.436	6.5	1.67	0.371	6.0	1.56	0.342	5.2	1.41	0.293	4.1	1.11	0.200	4.1	1.11	0.200		
1.60	10.3	2.58	0.668	7.1	1.73	0.460	6.0	1.77	0.389	5.2	1.51	0.336	4.0	1.18	0.246	4.0	1.18	0.246		
1.70	12.6	2.92	0.920	8.1	2.06	0.594	6.2	1.88	0.449	5.3	1.60	0.387	4.2	1.23	0.292	4.2	1.23	0.292		
1.80	13.5	3.98	1.112	8.5	2.34	0.696	6.7	1.91	0.543	5.6	1.61	0.456	4.4	1.26	0.338	4.4	1.26	0.338		
1.90	11.7	3.45	1.073	8.8	2.53	0.808	6.9	2.07	0.626	5.8	1.57	0.521	4.5	1.27	0.379	4.5	1.27	0.379		
2.00	11.7	3.59	1.184	8.8	2.65	0.893	6.9	2.18	0.692	5.8	1.60	0.578	4.6	1.26	0.416	4.6	1.26	0.416		
2.20	12.4	4.27	1.521	8.7	2.79	1.065	6.7	2.23	0.814	5.6	1.69	0.658	4.5	1.21	0.474	4.5	1.21	0.474		
2.40	14.4	5.52	2.105	10.3	3.29	1.504	7.9	3.00	1.144	5.6	2.07	0.804	4.2	1.15	0.512	4.2	1.15	0.512		
2.60	8.9	3.88	1.522	7.4	2.94	1.264	6.4	2.44	1.084	5.1	2.00	0.844	3.8	1.29	0.549	3.8	1.29	0.549		
2.80	5.6	2.45	1.114	4.7	2.27	0.932	4.7	2.11	0.932	4.4	2.00	0.845	3.5	1.33	0.606	3.5	1.33	0.606		
3.00	6.3	3.05	1.446	5.6	2.59	1.269	5.0	2.38	1.130	4.4	2.04	0.870	3.4	1.37	0.654	3.4	1.37	0.654		
3.20	8.2	4.27	2.127	6.6	3.35	1.709	4.6	2.86	1.433	4.6	2.19	1.155	3.2	1.49	0.691	3.2	1.49	0.691		
3.40	8.6	4.82	2.516	6.8	3.99	1.995	5.8	3.37	1.694	4.5	2.51	1.304	2.9	1.62	0.716	2.9	1.62	0.716		
3.60	8.1	4.66	2.650	6.5	3.94	2.120	5.6	3.37	1.819	4.3	2.73	1.383	2.7	1.71	0.788	2.7	1.71	0.788		
3.80	7.1	4.43	2.590	5.0	3.93	2.100	5.0	3.51	1.810	3.9	2.86	1.383	2.7	1.75	0.857	2.7	1.75	0.857		
4.00	6.2	4.19	2.494	5.0	3.78	2.024	4.4	3.43	1.773	3.8	2.84	1.473	2.6	1.79	0.907	2.6	1.79	0.907		

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-554 COMPONENT = U-D STATION = OFUNADO-BOCHI-S
 DATE AND TIME = 1970-09-14-18-45 TOTAL NUMBER OF DATA = 1500
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.MCC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	0	59	33	-50	-143	-211	-210	-186	-126
1	-11	4	34	73	37	52	0	51	-35	23
2	9	-11	52	11	-13	11	0	-51	-78	9
3	30	24	41	82	102	121	140	144	122	91
4	69	42	17	11	-37	-49	-19	-73	-130	11
5	129	-128	-118	-88	-39	0	14	23	31	30
6	20	3	-24	-40	-51	-64	-61	-64	-63	-62
7	-29	-20	-20	-20	-20	-20	-20	-20	-20	-20
8	-29	-20	-20	-20	-20	-20	-20	-20	-20	-20
9	-29	-20	-20	-20	-20	-20	-20	-20	-20	-20
10	63	-35	-35	-70	-41	52	-44	-71	-73	-71
11	11	34	32	30	-22	-71	-60	-73	-50	-21
12	12	39	40	41	45	45	32	10	-17	53
13	38	-29	33	43	28	33	-29	-72	-68	8
14	35	39	33	43	68	158	159	177	-51	51
15	32	21	37	100	130	35	-53	-29	-58	-32
16	34	-12	-12	-4	70	-36	-53	-29	-58	-32
17	34	-24	-15	-92	-15	-53	-29	-58	-32	-32
18	42	107	118	81	81	15	58	58	-72	-41
19	33	107	118	81	81	15	58	58	-72	-41
20	33	-32	-32	-41	-41	-41	-41	-41	-41	-41
21	17	0	-20	-30	-22	-89	-89	-89	-89	-89
22	0	-1	-74	-63	-17	-10	-17	-10	-9	-9
23	60	70	70	70	-17	-9	0	0	11	11
24	36	10	-37	-48	-17	-9	0	0	11	11
25	36	-30	-30	-41	-45	-45	-41	-35	-18	-16
26	16	30	-11	-41	-15	-23	-21	-23	-20	-20
27	29	-21	-24	-24	-24	-24	-24	-24	-24	-24
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31	36	27	0	10	26	-11	-13	-29	-44	-17
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33	46	-46	-46	-46	-46	-46	-46	-46	-46	-46
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41	37	37	37	37	26	18	9	10	11	11
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49	18	8	-10	-34	-20	-32	-40	-32	-29	8
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TO BE CONTINUED

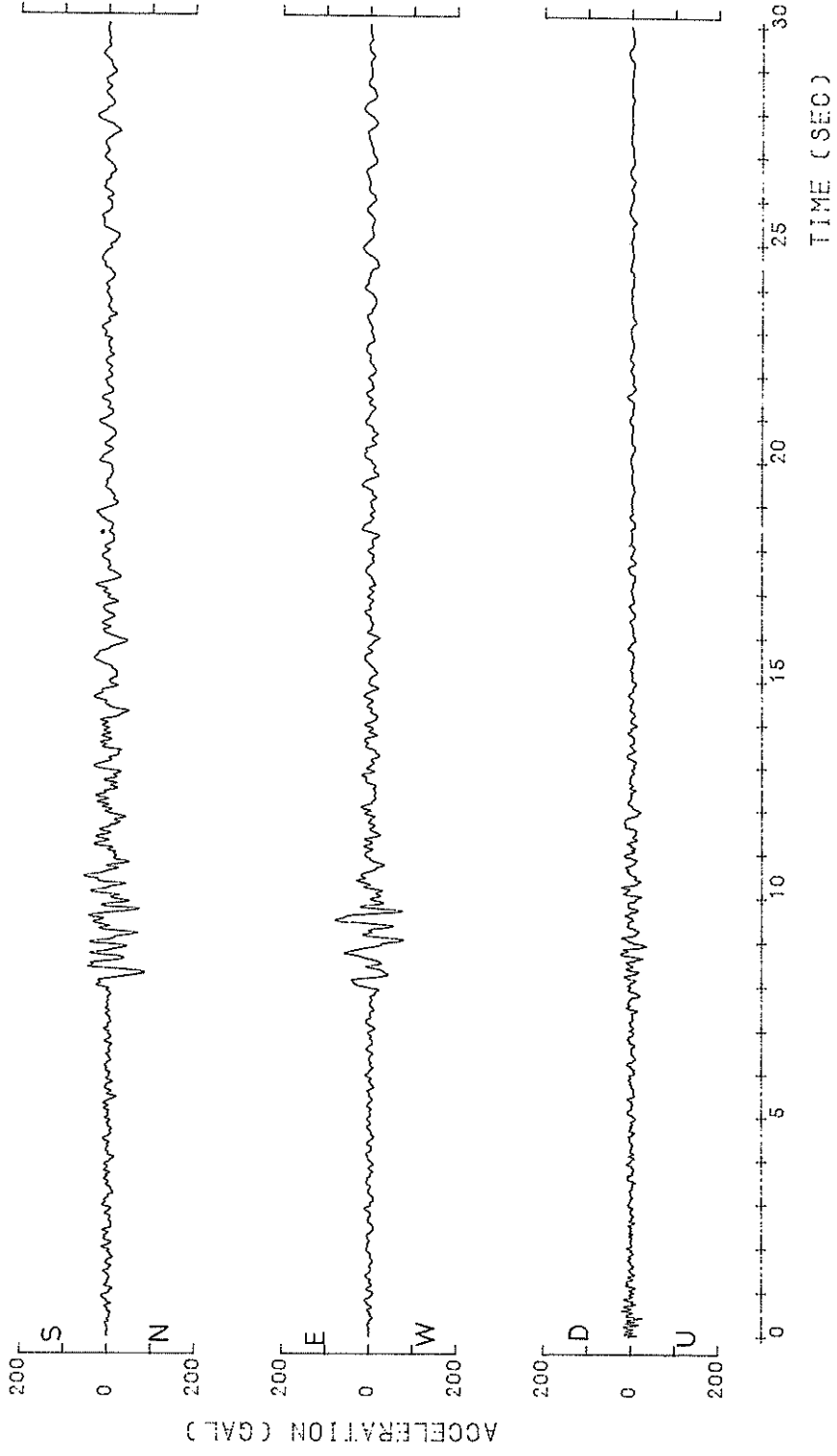
TO BE CONTINUED

CONTINUED(S-554 U-D)

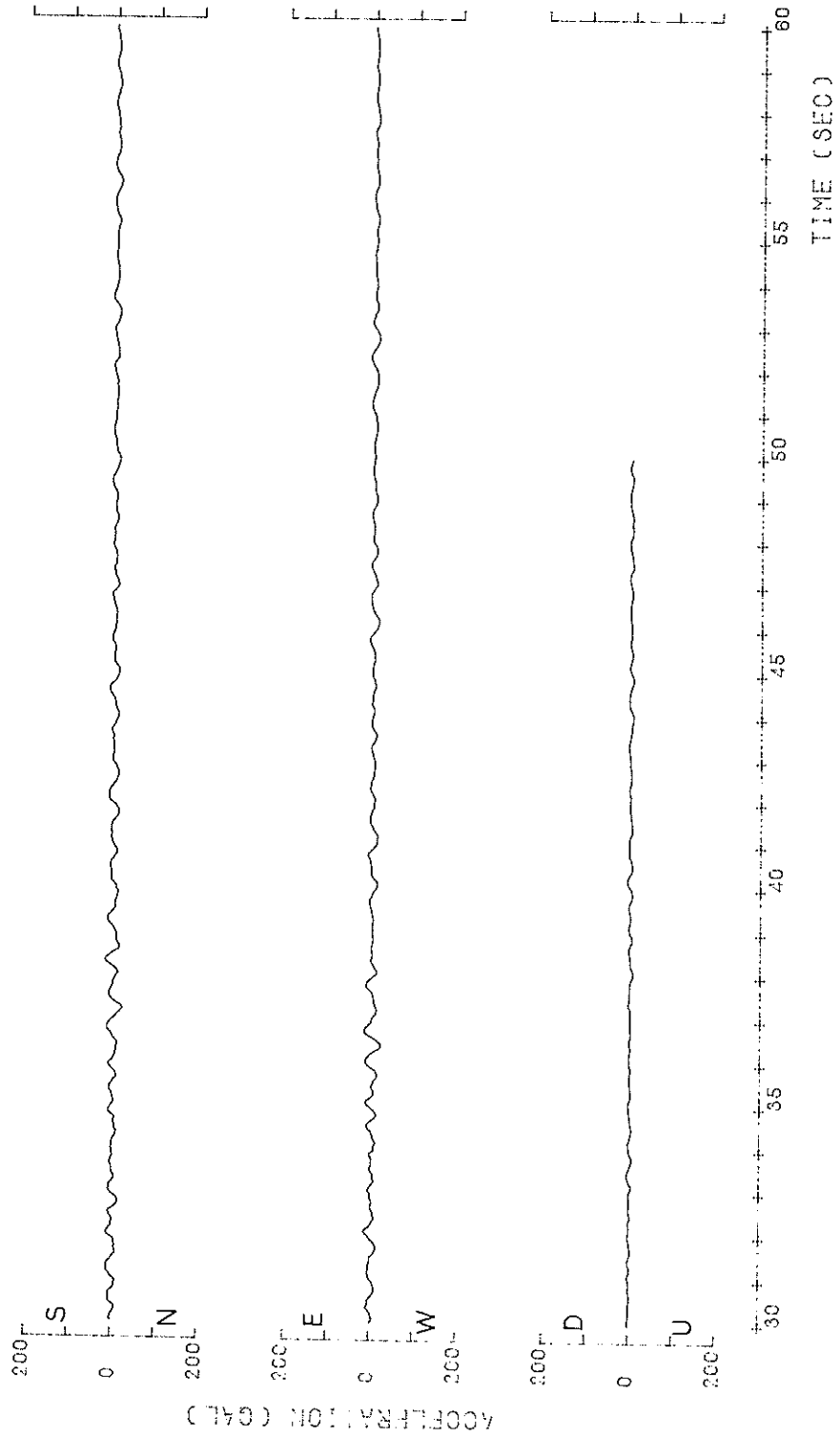
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1060	6	0	19	-8	-12	-17	-16	-16	-16	-6
1070	-1	6	1	21	21	12	17	8	23	32
1080	9	-10	4	32	23	24	-2	22	21	19
1090	35	40	33	5	-2	-7	-6	-8	-8	1
1100	9	9	10	5	-3	-2	1	5	4	1
1110	-1	-3	-7	-5	-7	-1	7	8	8	9
1120	0	-6	-8	1	0	0	0	9	11	9
1130	8	6	4	1	19	21	19	20	8	7
1140	9	11	18	11	19	22	26	29	31	30
1150	6	9	9	8	0	22	-9	-14	-20	-21
1160	19	9	9	-31	-32	-33	-39	-38	-37	-33
1170	-21	-23	-29	-12	-7	0	7	22	23	22
1180	-23	-19	20	-12	-18	-12	-11	-4	0	7
1190	20	9	0	-20	22	22	-11	-4	0	8
1200	10	10	20	20	22	22	-19	-14	-8	0
1210	6	5	11	-1	-6	-12	-22	29	30	20
1220	8	5	21	32	39	39	31	29	2	15
1230	8	-5	-11	-12	-16	-7	-1	-2	2	15
1240	13	-15	12	-8	-6	-7	-8	-7	-8	-11
1250	-13	-18	-17	-6	-3	1	11	11	11	13
1260	10	7	1	-25	0	1	12	12	9	0
1270	-12	-21	-21	-25	-31	-28	-19	-10	-11	-10
1280	-3	-1	0	0	-1	-2	-2	10	13	20
1290	26	29	24	23	22	22	13	10	12	9
1300	0	-5	-12	-11	-11	-9	-3	0	-1	-3
1310	-10	1	2	3	1	-1	-1	3	4	10
1320	8	9	9	11	20	20	22	8	1	0
1330	1	0	1	0	1	12	11	10	8	7
1340	6	10	9	21	10	9	8	0	0	-5
1350	-10	-9	-8	-8	-4	-11	-11	-10	-10	-7
1360	-3	-3	0	0	-4	0	1	0	-8	-4
1370	-5	-10	-7	-3	-7	-1	5	-2	-11	-11
1380	-11	-10	-10	-10	0	1	22	11	22	39
1390	49	50	49	39	33	28	-27	-18	-11	9
1400	-2	-10	-18	-28	-27	-26	-27	-18	-11	-5
1410	2	2	2	0	1	1	6	-8	-8	-8
1420	-6	-7	-10	-9	-10	-1	10	10	12	12
1430	11	0	-2	0	0	-1	0	-1	-2	-4
1440	-9	-2	0	0	-2	-5	-2	-1	4	8
1450	10	10	9	10	0	0	1	-2	-1	-1
1460	9	10	15	15	14	0	12	10	2	2
1470	11	15	24	15	16	11	7	1	-1	-8
1480	-8	-6	-8	-12	-16	-16	-16	-15	-14	-7
1490	-8	-5	-7	-16	-15	-18	-17	-14	0	8

END

S-577 YOKKA. -CHITOSE--S 1971-01-05-06-09

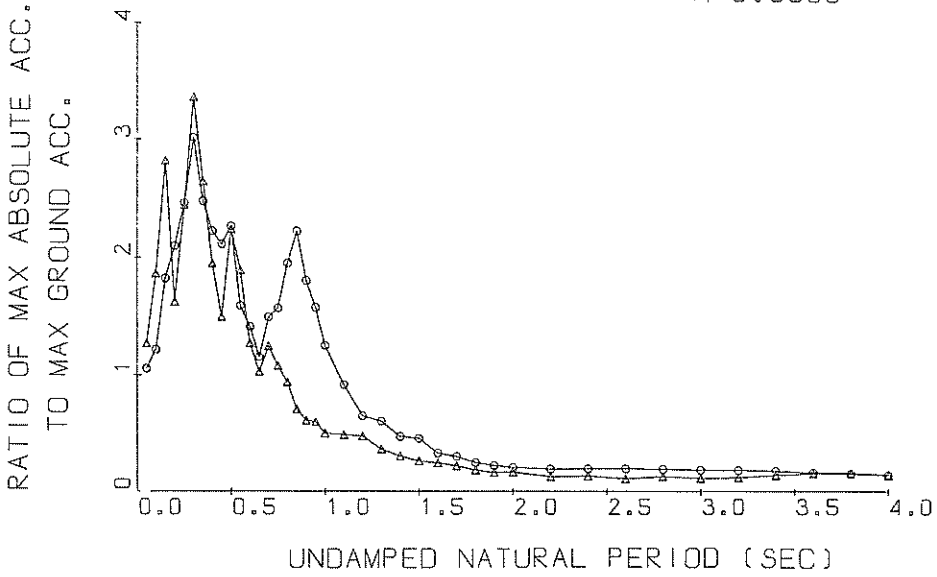


S-577 YOKKA. -CHITOSE-S 1971-01-05-06-09



S-577 Y.CHITOSE-S
1971-01-05-06-09

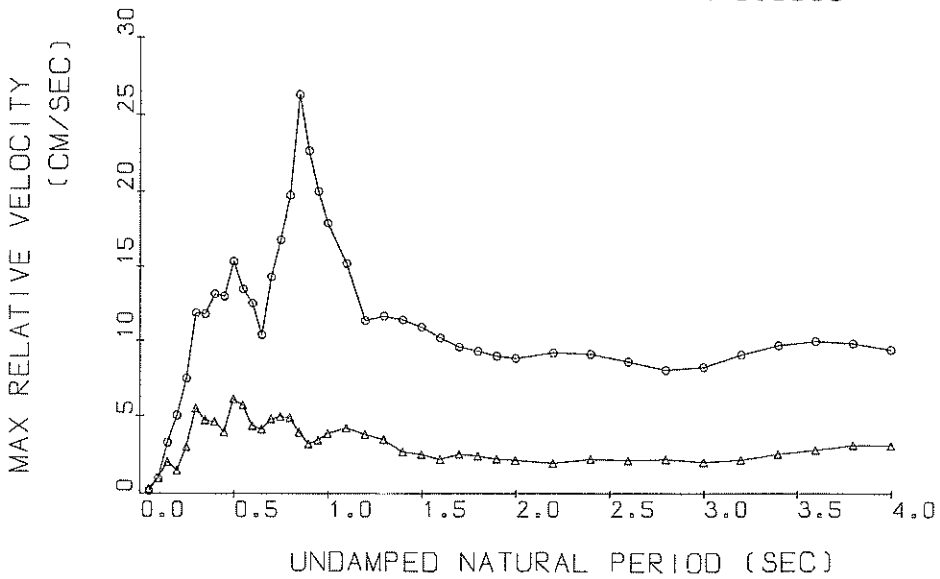
○ N-S
△ U-D
H=0.0500



Response Spectra

S-577 Y.CHITOSE-S
1971-01-05-06-09

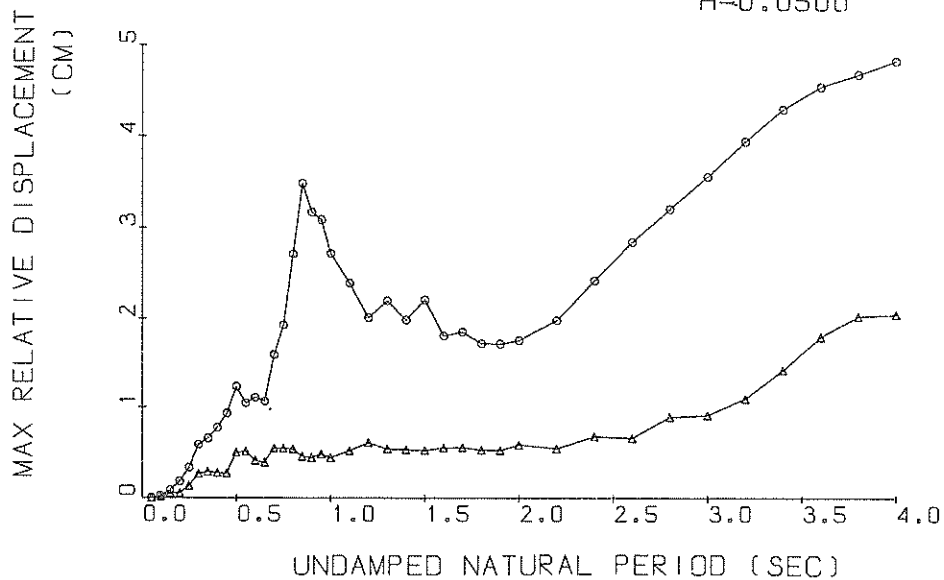
○ N-S
△ U-D
H=0.0500



Response Spectra

S-577 Y.CHITOSE-S
 1971-01-05-06-09

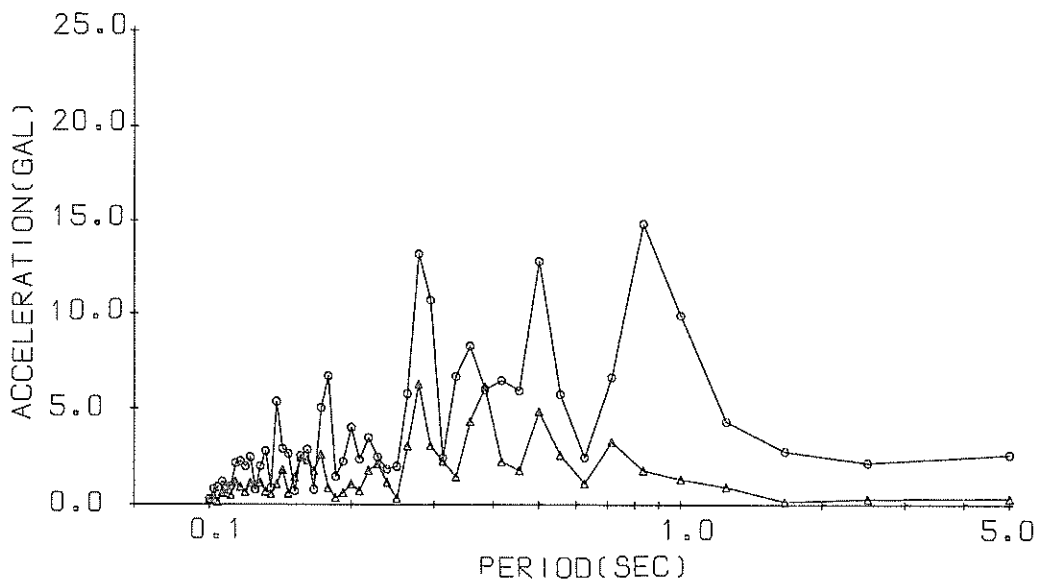
◦ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-577

◦ N-S TSK=7.50 TUS=5.00
 ▲ U-D TSK=7.50 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-577
 DATE AND TIME = 1971-01-05-06-09
 TIME LENGTH = 30.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR.ACC.
 CORRECTION = ZERO.ARC
 MAX.GROUND ACC. = 35.30 (GAL)
 STATION = Y.CHITOSE-S

PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC) PERIOD (SEC)

DAMPING = 0. DAMPING = 0.025 DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	153.9	1.17	0.010	50.3	0.32	0.003	44.8	0.28	0.003	40.4	0.22	0.003	36.8	0.14	0.002
0.10	115.5	1.76	0.029	79.3	1.16	0.029	65.7	0.98	0.017	59.1	0.69	0.015	49.2	0.44	0.012
0.15	167.4	3.87	0.095	125.8	2.68	0.071	99.5	2.03	0.057	73.8	1.35	0.042	51.2	0.73	0.027
0.20	135.9	4.13	0.138	63.6	1.81	0.064	57.4	1.49	0.058	53.4	1.30	0.053	46.1	1.06	0.044
0.25	136.4	4.83	0.216	100.4	3.54	0.159	86.2	3.00	0.136	72.7	2.42	0.114	54.6	1.49	0.079
0.30	239.1	11.25	0.545	138.8	6.65	0.317	118.6	5.48	0.268	84.4	3.77	0.189	54.8	2.03	0.112
0.35	147.4	8.65	0.458	117.5	5.78	0.365	93.3	4.73	0.289	65.8	3.72	0.200	47.0	2.31	0.129
0.40	140.4	8.86	0.569	83.4	5.55	0.338	68.8	4.62	0.277	53.8	3.52	0.214	37.9	2.36	0.139
0.45	124.2	8.80	0.637	58.4	4.42	0.299	53.0	3.95	0.270	46.4	3.22	0.233	37.5	2.26	0.174
0.50	247.8	19.61	1.569	103.3	8.18	0.654	79.0	6.10	0.498	57.2	4.19	0.355	36.3	2.37	0.205
0.55	157.0	13.84	1.203	79.4	6.94	0.609	66.7	5.69	0.508	51.7	4.36	0.389	33.3	2.66	0.227
0.60	77.1	4.70	0.703	51.5	5.01	0.469	45.0	4.35	0.408	39.6	3.80	0.354	29.5	2.76	0.239
0.65	46.1	4.81	0.493	41.6	4.72	0.444	36.3	4.12	0.386	33.3	3.43	0.348	26.4	2.80	0.247
0.70	91.6	10.11	1.137	55.6	6.10	0.688	44.0	4.81	0.543	33.9	3.94	0.410	23.6	2.82	0.252
0.75	85.1	10.21	1.213	40.1	5.15	0.571	38.2	4.96	0.540	30.6	4.13	0.425	20.6	2.79	0.249
0.80	93.7	11.96	1.519	42.3	5.99	0.686	33.0	4.89	0.533	25.1	3.89	0.397	18.9	2.70	0.251
0.85	38.6	5.46	0.706	29.9	4.48	0.546	24.8	3.93	0.451	21.3	3.40	0.376	17.3	2.55	0.250
0.90	32.4	4.94	0.665	23.2	3.30	0.475	21.4	3.20	0.437	18.0	3.19	0.355	15.6	2.49	0.253
0.95	56.9	8.83	1.300	29.4	4.17	0.671	20.9	3.46	0.476	16.4	3.27	0.360	14.0	2.55	0.257
1.00	55.4	9.15	1.404	22.6	4.25	0.573	17.5	3.86	0.437	14.9	3.42	0.359	13.0	2.59	0.277
1.10	25.1	6.01	0.770	19.2	4.76	0.588	16.9	4.19	0.514	14.7	3.56	0.434	12.3	2.60	0.310
1.20	22.3	4.94	0.813	18.7	4.25	0.679	16.7	3.80	0.603	13.8	3.24	0.483	11.3	2.49	0.326
1.30	32.2	6.60	1.379	15.0	4.26	0.640	12.6	3.48	0.533	10.6	2.66	0.432	10.0	2.32	0.325
1.40	18.5	3.98	0.919	12.7	2.77	0.630	10.6	2.68	0.526	8.4	2.39	0.410	8.6	2.16	0.316
1.50	12.6	3.23	0.717	9.2	2.79	0.521	9.1	2.51	0.518	7.9	2.14	0.441	7.6	2.06	0.312
1.60	20.0	5.55	1.500	10.4	2.83	0.677	8.5	2.17	0.548	7.1	2.01	0.452	6.9	2.01	0.317
1.70	17.3	4.88	1.270	10.6	3.28	0.775	7.6	2.53	0.551	6.2	2.13	0.442	6.4	1.99	0.331
1.80	11.1	3.88	0.910	7.9	2.81	0.646	6.4	2.41	0.520	5.3	2.13	0.423	6.1	1.96	0.349
1.90	8.1	2.82	0.738	6.3	2.39	0.579	5.7	2.20	0.517	5.1	2.06	0.452	5.8	1.93	0.378
2.00	10.3	3.17	1.039	6.7	2.37	0.676	5.8	2.12	0.579	5.0	1.91	0.491	5.5	1.89	0.408
2.20	5.3	2.08	0.649	4.6	1.94	0.559	4.4	1.92	0.539	4.3	1.92	0.499	5.0	1.82	0.461
2.40	7.1	2.94	1.039	5.3	2.45	0.776	4.6	2.19	0.672	4.2	1.95	0.599	4.5	1.76	0.548
2.60	5.7	2.55	0.977	4.2	2.28	0.719	3.9	2.11	0.655	4.1	1.92	0.682	4.1	1.74	0.639
2.80	6.8	2.85	1.345	5.1	2.44	1.020	4.5	2.18	0.886	4.1	1.92	0.796	4.0	1.73	0.730
3.00	5.4	2.72	1.221	4.6	2.26	1.044	4.0	2.00	0.909	3.9	1.75	0.869	4.1	1.75	0.820
3.20	5.9	3.20	1.537	4.7	2.56	1.225	4.2	2.15	1.086	3.9	1.77	0.997	4.1	1.79	0.935
3.40	8.1	3.85	2.362	6.0	2.94	1.742	4.9	2.52	1.421	4.3	2.01	1.212	4.1	1.84	1.051
3.60	8.6	3.88	2.830	6.5	3.22	2.135	5.5	2.79	1.786	4.5	2.32	1.431	4.0	1.88	1.161
3.80	8.4	4.52	3.088	6.6	3.68	2.425	5.5	3.12	2.017	4.4	2.47	1.592	3.9	1.98	1.268
4.00	7.7	3.98	3.107	6.0	3.47	2.444	5.1	3.10	2.040	4.0	2.62	1.624	3.8	2.08	1.380

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-577 COMPONENT = U-D STATION = Y-CHITOSE-S
 DATE AND TIME = 1971-01-05-06-09 TOTAL NUMBER OF DATA = 5000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ZERO.ARC

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	49	48	-32	-140	92	68	146	119	42	-36
10	-44	-25	110	110	77	30	-5	-47	59	-71
20	66	83	123	149	141	54	-64	-155	-171	-38
30	73	109	81	42	-56	19	75	75	23	67
40	-56	-126	-233	-267	-221	-45	42	110	94	67
50	34	26	2	-21	-45	1	57	122	194	188
60	110	15	6	-1	40	72	122	137	145	105
70	58	34	-79	-111	-100	-41	2	-24	-42	-53
80	30	36	20	75	124	144	116	68	7	-29
90	38	-36	-8	23	22	10	3	-30	-44	70
100	-105	-69	8	34	32	74	110	99	74	58
110	130	-29	96	88	82	75	70	45	-18	-45
120	60	96	88	82	75	70	45	-18	-45	-38
130	-29	-12	2	44	44	4	6	-53	-81	-94
140	77	-42	-20	-4	-3	-7	-7	-4	34	-38
150	37	23	9	-17	-36	-52	-61	-61	-4	36
160	49	-37	-11	2	16	8	0	0	0	14
170	35	57	70	53	2	8	0	0	0	14
180	-15	5	25	-20	-34	-33	-4	24	46	67
190	144	43	25	18	-3	-35	-30	-24	-23	-16
200	86	90	63	18	3	-8	-14	-14	-7	-7
210	7	2	13	3	-8	1	27	36	35	19
220	-3	-11	-29	-38	-25	2	24	27	18	-7
230	-10	-40	-50	-32	-2	-13	-20	-23	-17	-4
240	17	-10	1	-5	-19	-57	-23	-91	-73	-50
250	27	56	15	14	-28	-35	-34	-24	-17	-22
260	10	26	15	-65	-57	-38	-19	-10	1	9
270	-38	-62	-66	-65	-10	-4	3	-2	-6	-21
280	9	-56	-46	-25	30	41	46	55	66	63
290	-47	39	27	-23	18	12	10	15	15	-5
300	52	-1	-7	18	12	12	10	15	15	-5
310	-1	-3	-7	-23	-34	-38	-33	-24	-15	-5
320	1	1	-3	-3	2	7	9	13	22	31
330	29	18	0	-26	-34	-34	-33	-32	-32	-31
340	-31	-73	-51	-21	-25	-26	-48	-89	-103	-89
350	350	350	49	49	60	68	79	72	65	42
360	53	49	49	60	68	79	72	65	42	61
370	31	-26	-18	-17	-30	51	-62	-20	-39	-42
380	-63	-47	37	-27	-27	-30	29	14	4	-6
390	76	97	97	78	60	33	17	14	4	-6
400	-8	-12	-18	-38	-71	-80	-67	-49	-16	21
410	42	42	3	-52	-63	-67	-59	-43	-2	7
420	12	11	12	-2	-13	-15	-6	-5	-16	-16
430	-29	-9	-26	-23	-22	-37	-44	-42	-28	-16
440	-7	6	14	24	47	39	34	25	16	16
450	-16	23	32	47	51	43	33	22	36	-43
460	50	30	18	-4	-6	-15	-22	-44	44	4
470	40	30	8	-4	-7	-19	-16	-8	15	9
480	-2	-7	-49	-43	-36	-25	-14	-3	0	-75
490	-21	-33	-62	-83	-99	-102	-96	-89	-82	-62
500	-69	-52	-32	-28	-25	9	46	57	62	62

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-101	-67	-32	-7	2	20	28	36	42	61
1060	78	88	99	65	53	53	64	85	102	113
1070	122	122	99	60	22	-12	-37	-60	-60	-74
1080	-83	-104	-111	-111	-138	-137	-124	-99	-56	-56
1090	-42	-20	10	62	130	144	144	130	118	118
1100	107	76	27	-18	-56	-77	-75	-56	-17	-17
1110	-58	-88	-98	-97	-94	-61	-30	-6	-6	-12
1120	-12	-2	12	42	76	92	83	28	6	-17
1130	-46	-98	-12	-127	-128	-112	-80	-48	-48	-48
1140	-54	-61	-69	-80	-101	-113	-120	-119	-116	-116
1150	-125	-125	-125	-120	-113	-105	-99	-91	-67	-24
1160	125	110	112	127	136	131	122	118	118	123
1170	134	140	144	143	142	136	130	129	123	123
1180	112	94	74	56	36	1	-41	-78	-108	-139
1190	-158	-163	-162	-162	-163	-192	-223	-228	-217	-198
1200	-174	-143	-118	-99	-77	-57	-33	-26	-30	-36
1210	-35	-14	6	27	42	57	65	68	68	67
1220	66	59	41	32	29	8	2	2	3	4
1230	2	3	2	-7	-12	-20	-23	-21	-13	-13
1240	-3	5	4	-17	-74	-99	-108	-107	-101	-101
1250	-75	-11	18	29	20	-2	-21	-37	-43	-42
1260	-35	-6	25	37	34	27	27	16	14	14
1270	13	14	10	8	12	22	18	4	0	3
1280	8	-6	8	-11	-23	-50	-61	-63	-63	-62
1290	-85	-73	-63	-63	-56	-57	-59	-43	-29	-12
1300	-83	-82	-73	-63	-56	-57	-59	-43	-29	-12
1310	-102	-13	-121	-121	-120	-102	-59	-43	-29	-12
1320	1	28	80	95	74	81	81	81	81	73
1330	64	55	44	24	4	-22	-43	-68	-90	-106
1340	-105	-84	-64	-52	-42	-39	-30	-18	-12	-1
1350	12	20	19	19	11	-13	-37	-70	-75	-74
1360	-59	-60	-50	-47	-59	-74	-79	-78	-66	-63
1370	-56	-49	-39	-34	-33	-24	-2	29	52	58
1380	67	96	60	44	14	-2	14	-16	-16	-10
1390	67	96	60	44	14	-2	14	-16	-16	-10
1400	-112	-93	-53	-35	-33	-63	-120	-134	-134	-133
1410	-12	-93	-53	-35	-33	-63	-120	-134	-134	-133
1420	-83	-87	-82	-80	-76	-70	-67	-61	-53	-39
1430	-13	7	14	19	18	15	9	8	9	7
1440	3	0	-3	-42	-47	-47	-46	-44	-38	-26
1450	-2	14	0	-37	-47	-47	-46	-44	-38	-26
1460	-26	33	19	17	5	37	49	60	60	54
1470	-48	33	15	17	5	37	49	60	60	54
1480	-48	33	15	17	5	37	49	60	60	54
1490	-86	-86	-112	-112	-111	-106	-82	-62	-66	-76
1500	-46	-36	-20	-15	-7	-23	-23	-28	-30	-33
1510	-36	-55	-36	-20	-15	-7	-23	-23	-28	-30
1520	-35	-34	-34	-23	-17	-12	-16	-16	-16	-16
1530	-34	-34	-34	-23	-17	-12	-16	-16	-16	-16
1540	-34	-34	-34	-23	-17	-12	-16	-16	-16	-16
1550	-43	-43	-43	-38	-31	-26	-20	-16	-12	-8
1560	-47	-47	-47	-38	-31	-26	-20	-16	-12	-8
1570	-34	-34	-34	-23	-17	-12	-16	-16	-16	-16
1580	20	14	12	5	0	-8	-16	-24	-33	-40

TO BE CONTINUED

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	-51	-68	-90	-100	-99	-92	-85	-72	-72	-72
1600	-75	-75	-70	-62	-54	-49	-41	-41	-41	-46
1610	-56	-53	-56	-53	-49	-40	-39	-39	-39	-45
1620	-48	-47	-44	-40	-32	-22	-26	-27	-17	-12
1630	-10	-6	-6	-2	10	22	26	27	19	12
1640	0	-17	-28	-41	-52	-58	-66	-75	-88	-96
1650	-95	-91	-85	-79	-73	-68	-63	-63	-63	-62
1660	-30	-16	-12	-7	-3	-1	2	2	9	34
1670	45	49	46	32	18	3	20	36	48	54
1680	-60	-66	-72	-75	-74	-69	-63	-57	-49	-43
1690	-37	-37	-44	-46	-46	-38	-30	-23	-20	-21
1700	-20	-16	-13	-13	-29	-7	-2	-2	-2	-2
1710	-7	-12	-18	-24	-29	-31	-34	-39	-45	-45
1720	-47	-46	-44	-43	-43	-48	-54	-62	-73	-82
1730	-85	-85	-84	-83	-85	-88	-89	-88	-84	-81
1740	-80	-73	-56	-36	-13	14	32	36	38	38
1750	40	44	48	56	60	66	66	66	65	59
1760	47	28	9	-14	-46	-67	-78	-88	-99	-99
1770	-98	-93	-79	-70	-64	-55	-45	-34	-21	-5
1780	8	18	18	14	9	1	-11	-16	-22	-30
1790	-35	-42	-47	-47	-47	-47	-47	-47	-47	-47
1800	-77	-76	-71	-68	-63	-55	-46	-36	-24	-24
1810	-19	-11	-5	-1	7	7	-2	-2	-8	-12
1820	-12	-12	-12	-12	-11	-7	-4	-2	-2	-2
1830	-4	-8	-11	-15	-18	-20	-20	-16	-9	-2
1840	0	6	6	6	-1	-19	-24	-37	-59	-70
1850	-74	-73	-66	-66	-81	-81	-82	-82	-84	-83
1860	-78	-73	-66	-66	-81	-81	-82	-82	-84	-83
1870	22	30	29	24	24	21	20	14	4	11
1880	-27	-31	-30	-25	-21	-16	-16	-16	-16	-16
1890	-27	-27	-27	-27	-26	-23	-20	-16	-13	-11
1900	-8	2	6	1	0	-4	-10	-15	-15	-15
1910	-15	-15	-15	-15	-15	-18	-19	-19	-19	-19
1920	-22	-28	-36	-37	-36	-39	-50	-57	-63	-68
1930	-68	-68	-66	-64	-62	-57	-54	-50	-50	-50
1940	-50	-50	-49	-47	-42	-39	-35	-29	-23	-16
1950	-8	-3	-3	-3	-4	-7	-10	-13	-16	-16
1960	-12	-16	-21	-22	-22	-24	-26	-30	-32	-33
1970	-15	-19	-21	-22	-22	-24	-26	-30	-32	-33
1980	-31	-26	-23	-23	-16	-12	-8	-8	-8	-8
1990	-7	4	-1	0	3	4	6	9	15	20
2000	23	23	22	18	15	15	15	15	14	9
2010	2	4	-4	-22	-22	-22	-23	-23	-26	-32
2020	-37	-40	-44	-47	-51	-63	-66	-72	-74	-80
2030	-81	-81	-80	-77	-74	-66	-60	-53	-43	-33
2040	-27	-14	-8	-6	-6	-6	-6	-6	-6	-6
2050	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
2060	0	0	0	0	0	0	0	0	0	0
2070	-32	-32	-32	-32	-32	-32	-32	-32	-32	-32
2080	-31	-32	-32	-32	-32	-32	-32	-32	-32	-32
2090	51	31	32	33	27	26	26	26	26	26
2100	54	31	32	33	27	26	26	26	26	26
2110	2	19	13	10	4	-3	-8	-14	-22	-27
2120	-2	-6	-3	-3	-38	-38	-38	-38	-38	-38
2130	66	41	66	41	66	41	66	41	66	41
2140	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
2150	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
2160	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
2170	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
2180	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
2190	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
2200	20	14	12	5	0	-8	-16	-24	-33	-40

TO BE CONTINUED

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-56	-56	-56	-56	-55	-53	-50	-46	-42	-36
2140	-15	-3	9	9	20	34	50	66	80	90
2150	96	95	91	80	69	44	14	0	0	-8
2160	-18	-24	-33	-42	-50	-61	-73	-82	-84	-87
2170	-92	-91	-87	-82	-74	-64	-56	-46	-40	-34
2180	-26	-26	-41	-36	-41	-43	-45	-46	-46	-46
2190	-50	-49	-47	-47	-47	-47	-47	-47	-47	-46
2200	-42	-39	-35	-26	-21	-15	-9	-3	3	6
2210	10	17	19	14	12	4	-2	-6	-6	-13
2220	19	-19	-22	-10	-31	-36	-43	-42	-36	-31
2230	-44	-29	27	24	21	20	20	20	36	35
2240	32	29	27	24	21	20	20	20	15	15
2250	7	-2	-5	-8	-12	-16	-16	-15	-19	-22
2260	-85	-28	-32	-35	-41	-44	-44	-44	-44	-44
2270	-44	-44	-44	-44	-44	-44	-39	-36	-33	-29
2280	-26	-24	-21	-17	-12	-5	-1	6	8	12
2290	4	2	0	2	5	8	12	12	12	12
2300	12	9	8	6	9	10	13	14	14	14
2310	10	6	1	-5	-10	-16	-24	-33	-46	-69
2320	84	-94	-101	-103	-101	-94	-85	-77	-70	-66
2330	-60	-54	-50	-44	-39	-32	-27	-27	-30	-32
2340	-35	-36	-36	-36	-36	-36	-35	-31	-26	-23
2350	-20	-18	-16	-17	-16	-16	-18	-21	-23	-26
2360	-28	-26	-22	-19	-16	-12	-15	-2	1	4
2370	8	10	12	12	12	12	10	9	7	4
2380	2	-2	-4	-8	-11	-12	-12	-12	-6	-4
2390	-2	2	2	5	11	13	16	14	12	8
2400	5	-1	-3	-11	-14	-15	-22	-30	-36	-39
2410	-39	-39	-39	-38	-35	-34	-32	-32	-32	-32
2420	-32	-34	-37	-40	-44	-50	-54	-53	-51	-47
2430	-45	-42	-41	-41	-39	-36	-33	-28	-19	-3
2440	12	24	26	29	30	30	30	30	27	22
2450	20	15	11	6	6	6	6	6	6	6
2460	2	-2	-10	-14	-20	-23	-25	-25	-25	-25
2470	-30	-32	-36	-38	-43	-42	-40	-39	-39	-38
2480	-35	-32	-28	-27	-25	-22	-20	-17	-16	-14
2490	-14	-14	-13	-14	-13	-14	-14	-14	-12	-5
2500	-2	3	7	12	14	16	16	13	8	5
2510	-2	-6	-11	-12	-12	-16	-20	-23	-30	-32
2520	-35	-37	-37	-37	-35	-34	-32	-30	-28	-25
2530	-22	-20	-18	-16	-15	-15	-15	-15	-15	-15
2540	-25	-25	-24	-24	-24	-24	-24	-24	-24	-24
2550	-91	-89	-84	-75	-67	-59	-50	-37	-29	-22
2560	46	50	51	51	51	51	49	48	47	40
2570	46	38	37	35	29	27	27	25	22	20
2580	17	17	17	17	17	17	17	17	17	17
2590	17	32	35	29	27	27	27	25	22	20
2600	-23	-27	-32	-33	-34	-34	-34	-33	-34	-33
2610	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36
2620	-8	-5	0	7	10	13	13	9	2	-3
2630	-8	-14	-20	-26	-30	-35	-40	-46	-50	-55
2640	-61	-64	-67	-67	-66	-64	-60	-59	-53	-42
2650	-24	-11	-7	8	18	18	22	22	23	26
2660	30	34	38	40	40	39	37	37	32	29

TO BE CONTINUED

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	25	22	18	11	4	-2	-7	-12	-16	-20
2680	-24	-29	-33	-39	-44	-47	-47	-47	-47	-47
2690	-47	-47	-47	-46	-45	-44	-43	-42	-41	-40
2700	-28	-28	-28	-28	-28	-28	-27	-26	-25	-24
2710	-28	-28	-28	-28	-28	-28	-28	-28	-28	-28
2720	-27	-25	-22	-18	-12	-6	0	6	10	10
2730	11	12	11	12	10	13	16	16	15	16
2740	12	11	11	12	10	13	16	16	15	16
2750	13	8	5	3	2	0	-7	-7	-4	-10
2760	4	4	4	4	0	-5	-7	-17	-14	-12
2770	10	-12	-13	-18	-17	-17	-18	-17	-14	-10
2780	11	-6	6	4	0	8	6	6	8	8
2790	7	6	6	4	0	8	6	6	8	8
2800	-1	-4	-4	-4	-4	-4	-4	-4	-4	-4
2810	-4	0	-1	0	-4	-4	-4	-4	-4	-4
2820	-12	-14	-14	-19	-22	-26	-30	-37	-44	-50
2830	-47	-47	-45	-41	-36	-24	-12	-18	-8	-1
2840	4	12	12	12	12	12	12	12	10	7
2850	6	2	1	0	-1	-1	-1	-1	-1	-1
2860	-1	-2	-1	-1	-1	-1	-1	-1	-1	-1
2870	0	0	-5	-5	-5	-5	-5	-5	-5	-5
2880	-5	-7	-11	-13	-17	-16	-18	-19	-20	-23
2890	-20	-20	-17	-16	-16	-16	-16	-16	-16	-16
2900	-39	-34	-38	-38	-37	-35	-35	-35	-35	-35
2910	-39	-42	-41	-40	-38	-33	-30	-28	-25	-23
2920	-12	0	12	22	29	37	45	52	54	54
2930	54	56	68	66	61	63	69	76	81	87
2940	69	64	64	51	44	39	32	25	15	9
2950	3	-4	-10	-15	-22	-26	-30	-38	-48	-58
2960	-31	-36	-36	-38	-39	-39	-39	-39	-39	-39
2970	-39	-38	-36	-35	-32	-26	-23	-23	-20	-20
2980	-20	-20	-16	-15	-14	-14	-14	-14	-14	-14
2990	-14	-12	-6	-2	1	4	4	4	4	4
3000	12	12	12	12	12	12	12	12	12	12
3010	21	18	14	13	10	8	7	7	8	9
3020	8	8	4	4	4	4	4	4	4	4
3030	7	8	8	7	6	4	4	4	4	4
3040	2	2	2	2	2	2	2	2	2	2
3050	-3	-3	-5	-10	-10	-10	-10	-10	-10	-10
3060	-13	-13	-13	-10	-10	-10	-10	-10	-10	-10
3070	14	14	10	4	8	10	10	10	10	10
3080	16	14	14	10	4	0	0	0	0	0
3090	1	2	4	8	4	0	0	0	0	0
3100	18	20	21	27	27	27	27	27	27	27
3110	32	24	24	21	17	12	13	13	13	14
3120	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
3130	-4	-2	1	4	9	13	18	23	29	35
3140	30	33	33	33	33	33	33	33	33	33
3150	13	10	10	10	10	10	10	10	10	10
3160	-18	-18	-18	-18	-18	-18	-18	-18	-18	-18
3170	-30	-27	-24	-21	-17	-13	-9	-4	0	4
3180	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
3190	15	17	15	15	15	15	15	15	15	15
3200	34	34	34	33	28	26	24	20	16	16

TO BE CONTINUED

CONTINUED(S-577 U-D)

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3210	13	13	12	12	12	12	12	12	14	14
3220	8	6	10	14	14	18	18	18	18	18
3230	18	18	18	20	18	16	10	7	4	4
3240	0	-4	-10	-12	-13	-13	-13	-13	-13	-13
3250	-9	2	0	5	7	10	14	14	18	18
3260	20	21	24	24	24	20	17	13	9	9
3270	5	2	13	2	2	12	12	15	15	15
3280	12	16	15	15	15	15	20	20	17	17
3290	18	19	20	20	20	20	20	20	20	20
3300	16	14	10	7	4	-6	-4	-1	-24	-24
3310	-30	-33	-35	-37	-41	-41	-41	-39	-27	-27
3320	-18	-18	-13	-4	3	8	12	17	21	21
3330	30	34	40	40	46	49	56	60	64	66
3340	66	66	67	67	67	66	63	58	55	54
3350	48	46	42	34	31	28	27	19	13	10
3360	7	4	1	-2	-5	-4	-12	-19	-25	-32
3370	-36	-37	-37	-37	-37	-35	-28	-25	-21	-15
3380	-45	-45	-45	-43	-35	-28	-25	-21	-15	-15
3390	-14	-8	-8	3	10	14	17	20	22	22
3400	22	22	22	22	22	24	29	29	30	30
3410	30	30	34	35	36	39	39	38	34	34
3420	31	27	25	22	18	11	10	8	4	4
3430	-5	-5	-5	-5	-5	-5	-11	-11	-22	-27
3440	-27	-27	-30	-30	-30	-34	-36	-36	-36	-36
3450	-36	-35	-30	-26	-23	-19	-14	-14	-14	-13
3460	-10	-8	-7	-6	-4	-2	-1	-1	-1	-1
3470	-1	-1	0	3	4	5	7	8	8	8
3480	10	13	17	17	20	23	20	21	24	24
3490	26	26	27	30	30	30	30	30	33	33
3500	34	35	38	40	43	43	42	41	41	39
3510	37	33	29	26	22	21	18	14	10	6
3520	4	1	0	-3	-4	-7	-13	-15	-16	-16
3530	-16	-16	-16	-14	-14	-12	-9	-9	-7	-3
3540	0	2	4	4	4	4	4	4	4	6
3550	7	14	14	14	14	14	14	14	14	14
3560	14	14	14	14	14	14	14	14	14	13
3570	10	10	10	10	8	9	8	8	7	6
3580	8	5	3	0	-4	-7	-8	-7	-6	-6
3590	-4	-3	-2	1	8	12	17	20	24	28
3600	28	28	28	28	28	28	28	28	29	29
3610	28	28	28	28	28	28	28	28	28	28
3620	24	23	20	18	15	13	13	13	13	13
3630	12	9	4	0	0	0	2	4	6	6
3640	8	23	9	10	14	15	17	20	23	23
3650	23	3	0	-6	-10	-11	-11	-11	-11	-11
3660	-11	-11	-11	-11	-10	-8	-7	-7	-7	-7
3670	7	7	7	7	7	7	7	7	7	7
3680	7	7	7	7	7	7	7	7	7	7
3690	3	3	2	2	2	2	2	2	2	2
3700	3	3	2	2	2	2	2	2	2	2
3710	-2	0	0	2	3	6	6	6	6	6
3720	-2	0	0	2	3	6	6	6	6	6
3730	17	18	23	29	36	42	46	48	46	46
3740	45	45	44	42	38	34	32	30	28	26

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	25	27	26	26	26	26	26	26	26	26
4300	26	26	26	26	26	26	26	26	26	26
4310	30	30	32	35	36	36	36	36	36	36
4320	43	45	42	48	47	49	51	56	60	60
4330	63	64	64	64	64	64	64	64	64	64
4340	58	56	54	52	50	48	45	43	38	34
4350	32	29	27	24	23	22	20	19	19	19
4360	18	17	16	14	14	13	12	10	6	3
4370	0	-2	-4	-4	-5	-5	-4	-4	-5	-3
4380	-8	-10	-10	-11	-11	-13	-12	-11	-9	-7
4390	-23	-25	-28	-30	-32	-35	-36	-38	-39	-21
4400	-38	-38	-38	-38	-38	-38	-38	-38	-38	-38
4410	-33	-31	-31	-27	-20	-14	-8	-5	6	8
4420	10	14	21	26	29	34	39	44	47	47
4430	52	54	54	54	54	54	54	54	54	54
4440	54	54	54	54	54	54	54	54	54	54
4450	55	54	53	51	49	48	46	44	42	41
4460	39	35	31	29	27	25	22	19	14	12
4470	8	7	4	1	-3	-6	-9	-12	-15	-18
4480	-23	-27	-29	-30	-32	-36	-38	-39	-39	-39
4490	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39
4500	-14	-11	-4	-1	5	9	13	17	24	28
4510	30	33	34	36	42	45	46	47	47	46
4520	44	42	39	34	32	30	28	26	24	24
4530	22	19	16	12	10	8	6	4	4	4
4540	-7	-10	-12	-13	-13	-13	-12	-11	-9	-4
4550	-13	-12	-10	-8	-4	-2	2	3	3	8
4560	12	14	18	21	25	25	28	32	36	38
4570	38	38	38	38	38	38	38	38	38	38
4580	26	24	20	18	12	10	10	11	11	28
4590	10	10	10	10	10	10	10	10	10	11
4600	10	8	8	8	8	8	8	8	8	11
4610	10	12	14	14	14	14	14	14	17	9
4620	25	27	27	27	27	27	29	29	29	20
4630	32	35	36	36	36	34	34	37	38	29
4640	38	39	39	39	39	39	39	39	39	38
4650	37	36	36	35	35	35	37	37	39	39
4660	29	29	27	25	22	21	18	17	17	30
4670	14	12	9	7	7	0	-2	-1	1	17
4680	-10	-10	-10	-9	-9	-10	-10	-10	-10	-10
4690	-9	-9	-9	-7	-3	1	8	10	10	10
4700	18	20	22	24	27	30	33	36	36	15
4710	39	42	45	48	48	48	49	49	51	56
4720	52	52	52	52	52	51	49	49	51	52
4730	35	35	35	35	36	36	36	36	36	44
4740	-3	-9	-9	-9	-9	-9	-9	-9	-9	3
4750	-30	-28	-26	-24	-20	-18	-17	-15	-13	-31
4760	-13	-11	-10	-10	-10	-10	-10	-10	-10	-10
4770	-3	0	1	3	5	8	10	11	17	-4
4780	22	24	26	30	32	34	34	36	39	20
4790	40	41	41	41	41	41	45	45	45	39
4800	47	47	47	47	44	41	41	41	41	48
4810	32	28	20	15	14	10	7	7	7	35
4820	-8	-10	-10	-10	-10	-11	-12	-12	-15	-15

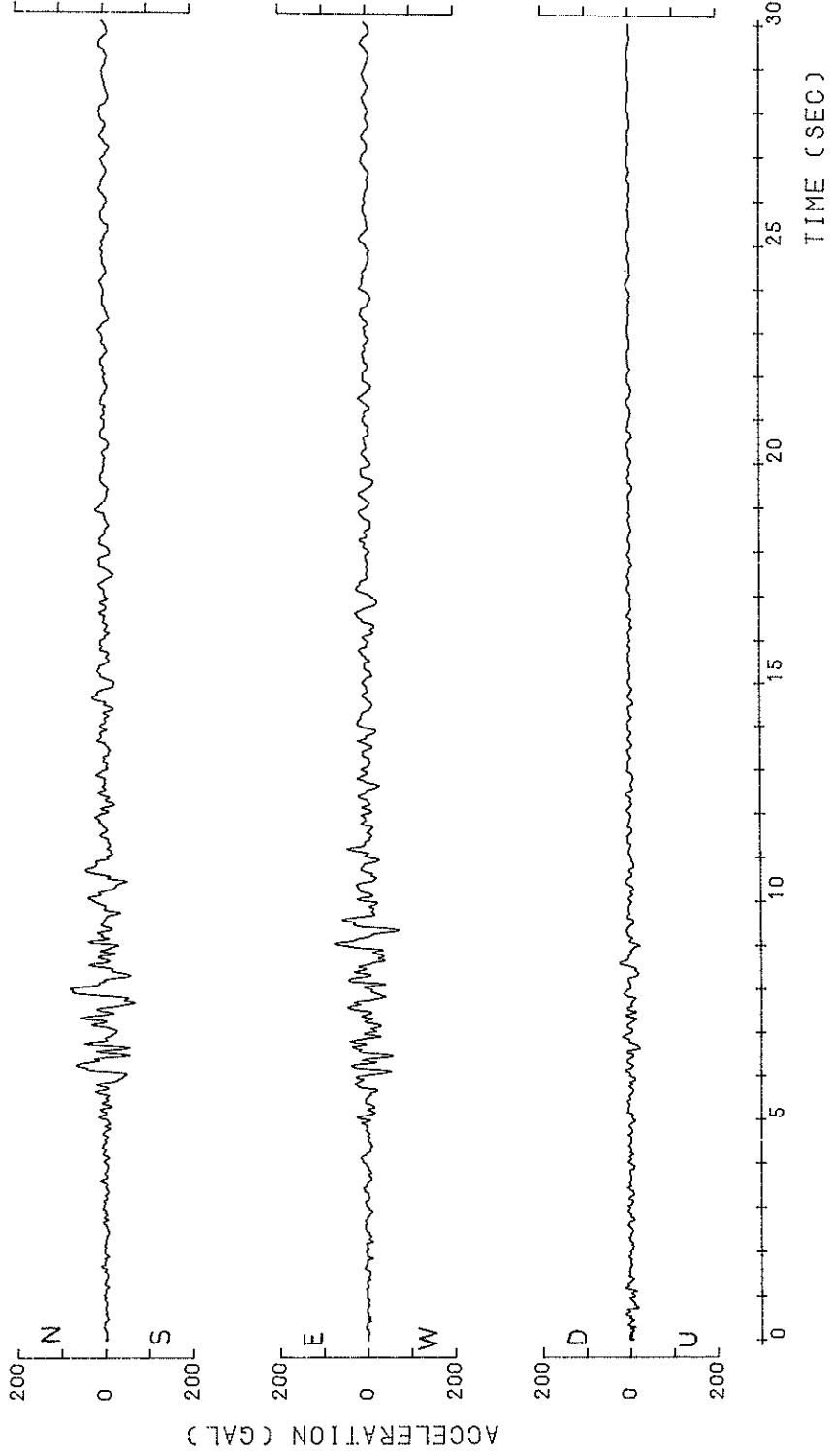
TO BE CONTINUED

CONTINUED(S-577 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4830	-15	-15	-15	-15	-14	-13	-12	-11	-10	-7
4840	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6
4850	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
4860	-17	-15	-14	-13	-12	-11	-10	-9	-8	-3
4870	6	6	8	9	12	16	20	24	26	27
4880	29	31	35	36	37	39	42	45	46	46
4890	46	46	46	45	43	42	41	41	41	42
4900	44	44	44	49	50	50	50	50	50	51
4910	53	54	54	54	53	53	53	52	49	49
4920	48	46	45	45	40	38	34	31	28	27
4930	24	23	20	17	14	10	9	8	4	4
4940	1	-7	-2	-2	-3	-5	-7	-7	-7	-7
4950	6	7	7	7	7	7	7	7	7	7
4960	46	50	52	54	56	58	59	61	61	61
4970	46	50	52	54	56	58	59	61	61	61
4980	61	60	56	52	49	44	39	38	36	31
4990	28	27	24	20	16	13	9	8	4	-2

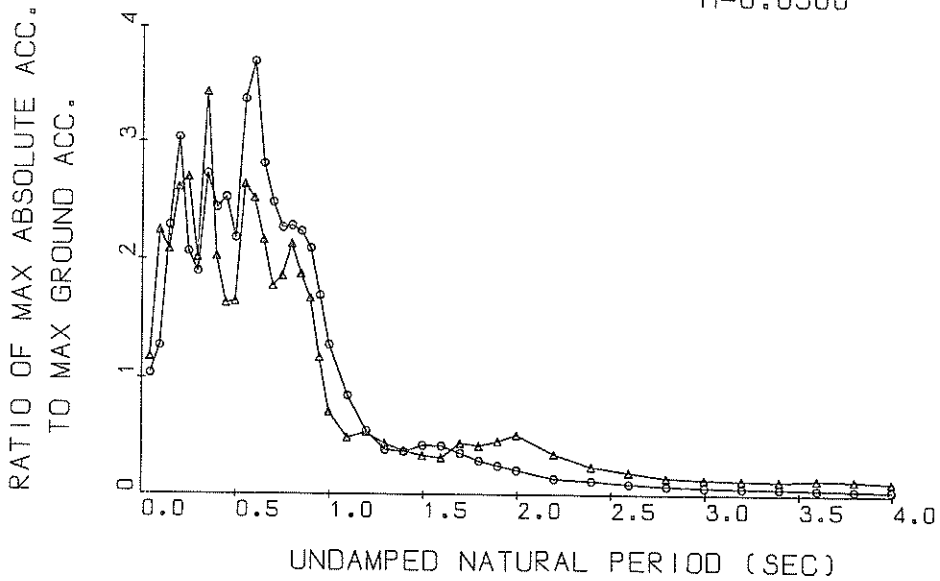
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S-585 KINUURA-S 1971-01-05-06-09



S-585 KINUURA-S
1971-01-05-06-09

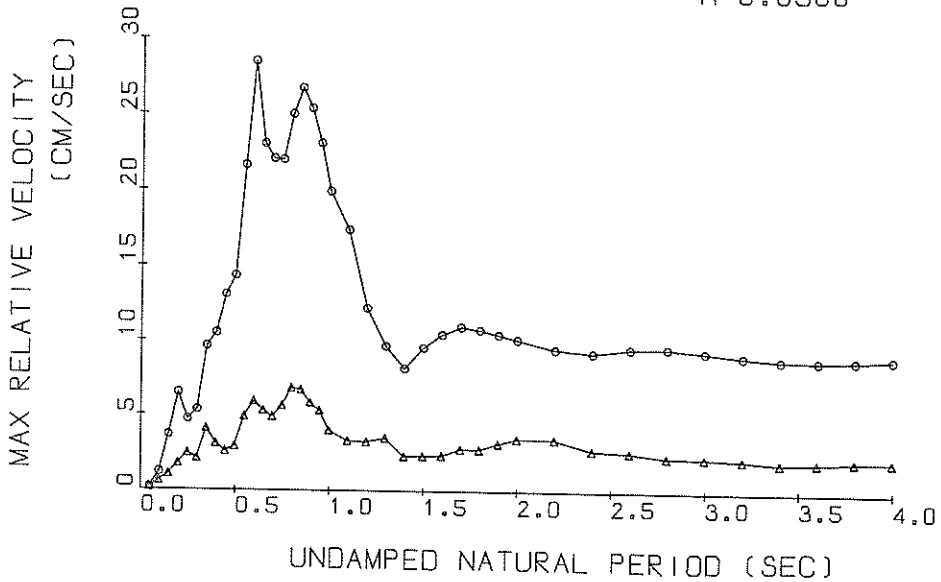
○ N-S
△ U-D
H=0.0500



Response Spectra

S-585 KINUURA-S
1971-01-05-06-09

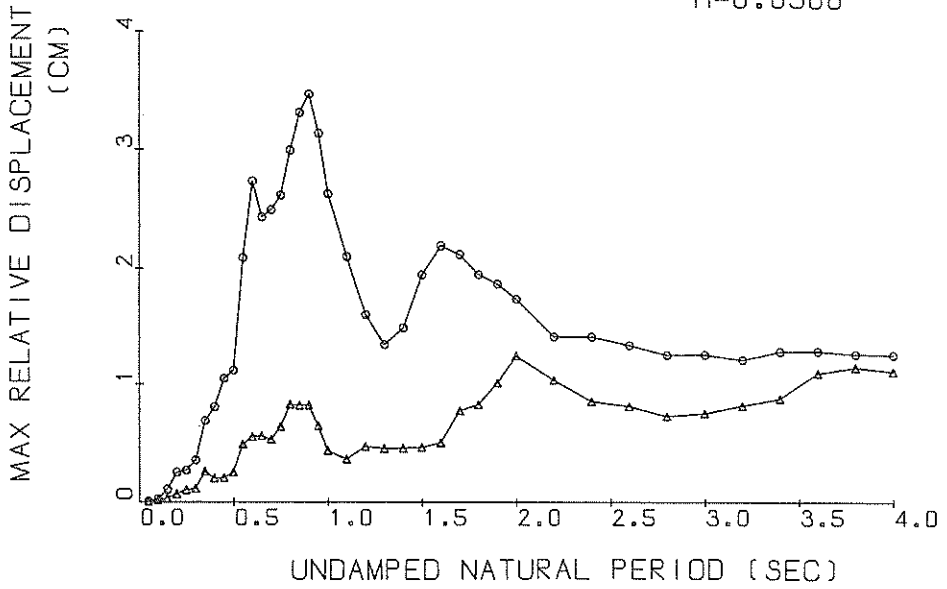
○ N-S
△ U-D
H=0.0500



Response Spectra

S-585 KINUURA-S
 1971-01-05-06-09

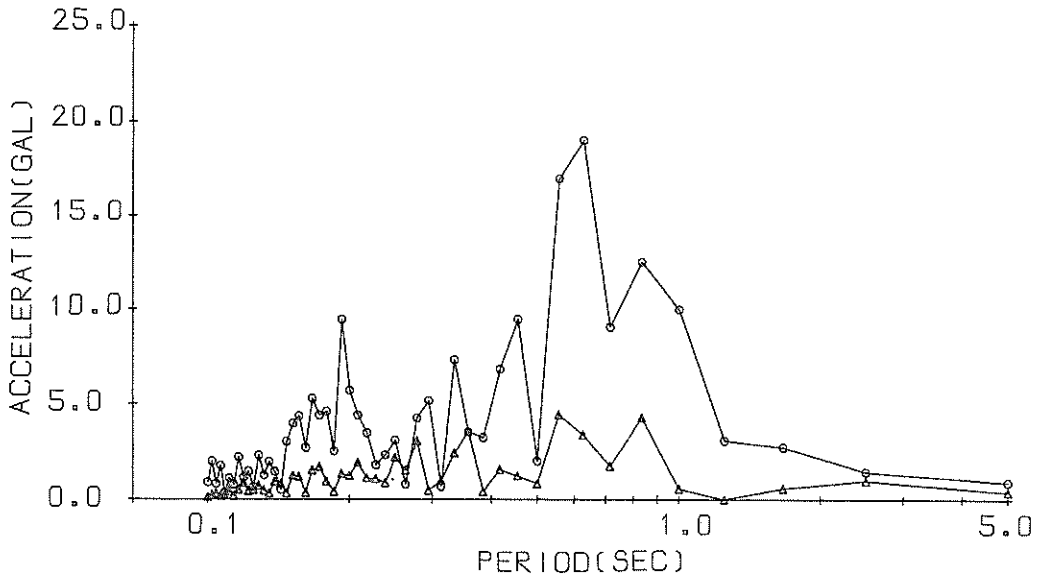
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-585

○ N-S TSK=5.00 TUS=5.00
 ▲ U-D TSK=5.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-585
 DATE AND TIME = 1971-01-05-06-09
 TIME LENGTH = 20.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 0. (SEC)

CORRECTION = APC.ERR.
 MAX.GROUND ACC. = 24.00 (GAL)
 STATION = KINURAS-S

DAMPING = 0.
 DAMPING = 0.025
 DAMPING = 0.050
 DAMPING = 0.100
 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	58.9	0.40	0.904	32.5	0.24	0.002	28.3	0.18	0.002	27.2	0.13	0.002	25.6	0.08	0.002
0.10	104.6	1.61	0.026	61.7	0.74	0.016	53.8	0.61	0.014	44.5	0.49	0.011	31.9	0.32	0.008
0.15	111.4	2.61	0.064	63.2	1.30	0.036	50.0	1.05	0.029	40.7	0.81	0.023	34.4	0.47	0.019
0.20	164.0	4.92	0.166	77.4	2.43	0.078	62.6	1.74	0.063	52.9	1.20	0.053	38.1	0.76	0.036
0.25	199.7	7.93	0.316	76.2	2.99	0.121	64.5	2.44	0.102	50.3	1.75	0.079	34.7	0.94	0.051
0.30	82.8	4.03	0.189	56.7	2.69	0.129	48.4	2.10	0.110	44.2	1.61	0.099	35.4	0.97	0.074
0.35	301.0	16.61	0.934	114.5	5.94	0.354	82.6	4.07	0.266	59.2	2.57	0.177	37.6	1.50	0.106
0.40	73.7	4.70	0.299	56.9	3.71	0.230	48.7	3.09	0.197	44.8	2.38	0.178	35.3	1.81	0.128
0.45	88.6	6.21	0.454	43.9	2.89	0.275	39.3	2.58	0.201	37.5	2.33	0.189	32.3	2.00	0.148
0.50	77.9	6.08	0.494	41.7	3.09	0.264	39.5	2.91	0.250	37.7	2.62	0.235	30.4	2.25	0.172
0.55	108.3	9.61	0.830	77.6	6.37	0.595	63.2	4.88	0.483	46.9	3.61	0.353	29.1	2.52	0.200
0.60	78.9	7.43	0.719	75.8	6.96	0.690	60.4	5.92	0.548	47.4	4.03	0.423	29.1	2.69	0.234
0.65	75.5	7.78	0.808	58.9	6.04	0.630	52.0	5.31	0.553	41.6	4.09	0.437	27.2	2.77	0.255
0.70	47.3	5.31	0.387	44.0	4.92	0.546	42.7	4.88	0.527	37.2	4.13	0.454	24.5	2.82	0.270
0.75	62.9	7.75	0.896	51.3	6.42	0.730	44.7	5.62	0.634	36.5	4.50	0.510	21.8	2.85	0.280
0.80	102.2	13.44	1.656	76.7	8.83	1.079	51.2	6.79	0.825	35.3	4.93	0.559	21.6	2.84	0.306
0.85	100.5	17.46	2.388	59.5	8.56	1.098	45.1	6.49	0.821	32.1	4.68	0.572	21.1	2.75	0.331
0.90	98.0	12.35	1.822	48.5	7.23	1.014	40.3	5.84	0.821	29.8	4.26	0.590	20.1	2.59	0.364
0.95	50.4	9.52	1.152	33.7	6.57	0.769	28.4	5.29	0.643	23.8	3.95	0.522	18.5	2.42	0.344
1.00	36.6	5.70	0.927	21.2	4.19	0.537	17.1	3.98	0.429	18.1	3.63	0.437	16.8	2.46	0.336
1.10	18.5	4.27	0.567	13.5	3.50	0.412	11.8	3.29	0.360	12.3	3.13	0.357	13.7	2.50	0.314
1.20	22.5	4.60	0.820	16.3	3.27	0.592	12.8	3.23	0.464	10.1	3.04	0.365	11.3	2.47	0.291
1.30	27.8	5.31	1.191	14.9	4.13	0.636	10.6	3.46	0.449	9.0	2.91	0.338	9.4	2.40	0.270
1.40	19.1	4.25	0.951	11.2	2.85	0.556	9.2	2.30	0.452	7.6	2.38	0.368	8.0	2.31	0.284
1.50	11.3	3.29	0.646	9.1	2.51	0.516	8.1	2.34	0.459	6.9	2.29	0.378	7.1	2.24	0.326
1.60	13.8	3.55	0.893	8.9	2.60	0.577	7.7	2.36	0.497	7.3	2.22	0.463	6.9	2.20	0.374
1.70	22.3	5.76	1.633	13.3	3.57	0.972	10.7	2.76	0.775	8.5	2.05	0.605	6.9	2.18	0.472
1.80	17.8	4.52	1.463	13.2	3.31	1.085	10.1	2.75	0.827	8.7	2.25	0.694	6.8	2.19	0.463
1.90	20.4	5.69	1.964	14.6	3.96	1.329	11.1	3.14	1.012	8.4	2.42	0.774	6.6	2.21	0.492
2.00	26.8	8.07	2.714	17.0	4.96	1.718	12.4	3.44	1.247	8.4	2.60	0.834	6.2	2.22	0.508
2.20	11.9	4.05	1.464	10.1	3.79	1.639	8.5	3.44	1.039	6.4	2.80	0.775	5.1	2.22	0.506
2.40	7.9	3.39	1.159	6.4	2.97	0.926	5.9	2.72	0.854	5.2	2.40	0.731	4.5	2.18	0.521
2.60	7.4	3.21	1.261	5.7	2.83	0.981	4.8	2.59	0.813	4.0	2.35	0.662	4.2	2.12	0.526
2.80	5.7	3.07	1.126	4.4	2.59	0.980	3.7	2.27	0.730	3.4	2.10	0.645	3.9	2.03	0.589
3.00	5.1	2.78	1.160	3.6	2.48	0.827	3.3	2.26	0.755	3.2	1.97	0.708	3.7	1.95	0.668
3.20	4.3	2.55	1.107	3.3	2.33	0.848	3.2	2.15	0.820	3.1	1.93	0.778	3.5	1.88	0.753
3.40	4.1	2.04	1.195	3.2	1.99	0.931	3.0	1.96	0.882	3.1	1.89	0.877	3.3	1.84	0.843
3.60	4.7	2.12	1.557	3.8	2.05	1.241	3.4	2.01	1.103	3.4	1.94	1.003	3.2	1.81	0.936
3.80	3.8	2.55	1.372	3.4	2.28	1.226	3.2	2.10	1.150	3.0	1.99	1.089	3.2	1.80	1.031
4.00	3.5	2.47	1.417	2.9	2.24	1.191	2.8	2.11	1.115	2.9	2.03	1.163	3.1	1.85	1.127

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-585 COMPONENT = U-D STATION = KIMURA-S
 DATE AND TIME = 1973-01-05-06-09 TOTAL NUMBER OF DATA = 3000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	-58	-60	41	-4	-9	-13	14	27	-23
10	-35	-15	-22	16	-20	-34	-25	14	19	4
20	-47	-66	-61	-43	4	16	-18	-79		
30	-100	-56	39	40	54	53	29	5		
40	-4	-4	-11	-30	-66	-61	-39	-16	0	
50	24	24	-7	-7	14	65	99	113	98	88
60	79	51	16	8	8	22	82	90	95	82
70	48	-52	-137	-193	-182	-148	-133	-122	-100	-100
80	-80	-80	-20	-16	-103	-94	-75	-64	-52	-51
90	32	-20	-17	-11	4	25	15	-14	-82	-91
100	-85	-92	-79	-59	-31	-31	-19	-34	-59	-113
110	-127	-102	-65	-27	-17	95	114	119	116	116
120	96	4	50	34	45	51	62	41	10	74
130	-4	14	-20	-23	-23	-30	-48	-70	-77	-24
140	-68	-42	-20	0	32	35	26	23	24	22
150	17	18	23	24	27	29	27	23	18	14
160	15	19	18	10	3	-2	-11	-19	-26	-31
170	-31	-26	-14	-6	-6	-2	3	0	0	0
180	-12	-25	-21	-15	-6	13	33	48	43	35
190	26	10	-11	-16	-16	-16	-11	8	11	6
200	2	-5	-18	-32	-45	-52	-57	-63	-70	-70
210	-69	-44	-26	-12	-1	5	10	9	4	4
220	220	31	22	10	-4	-12	-16	-14	-14	-14
230	240	-22	-33	-43	-49	-51	-48	-45	41	-35
240	-23	-15	-8	-1	2	7	14	38	50	52
250	51	41	33	33	32	18	1	-29	-59	-86
260	-89	-84	-79	-73	-65	-39	-13	-10	-9	-9
270	-11	-4	12	6	-10	-10	3	24	46	62
280	66	65	43	34	26	22	17	12	5	10
290	23	43	49	38	11	-19	-26	-29	-38	-47
300	58	59	45	46	-39	-13	22	37	35	26
310	320	12	-13	-24	-33	-45	-41	-73	-80	-80
320	-72	-72	-72	-54	-62	-63	-53	-10	5	13
330	17	29	47	67	43	7	-9	-3	2	2
340	340	6	7	11	15	20	21	13	4	4
350	6	-17	-20	-21	-16	-11	-5	0	-5	-12
360	-10	-12	-5	3	9	10	18	18	13	3
370	-12	-3	13	12	-17	-56	-85	-82	-80	7
380	-3	-93	-33	-76	-53	-33	-22	-12	-6	-80
390	400	30	44	50	41	22	10	-6	-4	-19
400	410	-12	3	23	30	21	6	-15	-32	-59
410	-12	3	23	30	21	6	-15	-32	-59	-24
420	-53	-45	-14	19	12	9	27	26	-24	-24
430	-24	-20	-15	-12	-6	3	9	27	14	39
440	30	19	6	-3	-6	-6	-13	-14	-20	-20
450	16	-11	-12	-17	-12	-16	-15	-10	-6	-6
460	8	24	45	46	29	6	-15	-30	-31	-31
470	-33	-37	-37	-37	-37	-34	-30	-25	-33	-13
480	2	13	23	24	21	16	8	-8	-18	-18
490	-34	-53	-70	-81	-92	-104	-109	-99	-86	-72
500	-60	-49	-41	-33	-30	-30	-42	-65	-59	-51

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-585 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	46	38	32	18	-3	-30	-33	-43	-51	-53
1060	-53	-5	-17	-42	-33	-6	-9	13	13	12
1070	10	0	-92	-88	-84	-81	-74	-68	-61	-50
1080	-96	-95	-41	-38	-37	-35	-35	-32	-28	-25
1090	-44	-38	-18	-15	-15	-6	3	8	11	15
1100	18	19	18	17	10	3	-5	-10	-13	-13
1110	-12	-9	-9	-21	-32	-35	-34	-30	-20	-20
1120	0	19	25	31	33	33	32	29	30	30
1130	29	30	32	37	40	46	50	47	36	36
1140	14	-6	-18	-26	-32	-43	-52	-49	-49	-49
1150	-49	-51	-51	-48	-41	-31	-21	-2	22	36
1160	40	31	27	23	21	17	15	13	6	1
1170	-2	-7	-12	-15	-18	-19	-18	-18	-18	-28
1180	-32	-32	-32	-30	-27	-25	-21	-16	-9	3
1190	14	23	35	50	56	55	52	46	33	19
1200	11	-5	-14	-20	-23	-28	-32	-38	-43	-49
1210	-49	-42	-35	-27	-19	-18	-23	-27	-27	-31
1220	35	-36	-34	-31	-24	-11	2	19	32	45
1230	61	-66	73	81	84	77	47	29	4	-17
1240	-41	-61	-73	-73	-72	-70	-65	-60	-54	-54
1250	-45	-35	-26	-26	-30	-32	-38	-42	-49	-54
1260	-55	-60	-66	-66	-77	-86	-93	-92	-89	-87
1270	-86	-84	-81	-79	-76	-75	-71	-66	-61	-55
1280	-40	-21	14	22	22	35	43	42	36	32
1290	31	28	23	23	24	24	27	26	23	23
1300	23	20	20	18	-2	16	11	11	7	3
1310	0	-4	-12	-18	-26	-32	-37	-42	-48	-53
1320	-4	0	5	11	11	13	15	15	17	21
1330	-14	-6	0	5	11	13	15	15	17	21
1340	26	34	35	34	31	18	-3	-18	-26	-32
1350	-44	-49	-49	-53	-57	-63	-63	-64	-60	-61
1360	-27	-24	-7	0	3	11	15	11	10	10
1370	12	12	12	7	-8	-19	-29	-29	-32	-32
1380	-40	-46	-50	-49	-47	-34	-20	-3	11	23
1390	26	26	22	22	17	14	8	8	8	9
1400	8	16	21	26	30	29	25	23	20	20
1410	16	13	-11	-28	-34	-39	-44	-41	-39	-39
1420	-59	-53	-37	-25	-16	5	10	16	20	22
1430	-10	-10	-6	0	2	5	10	16	20	22
1440	23	22	16	7	-4	-23	-47	-49	-82	-84
1450	-89	-85	-82	-91	-84	-77	-72	-67	-59	-49
1460	16	8	-2	-13	7	13	15	17	18	17
1470	-31	-21	-16	-12	-26	-32	-37	-42	-46	-46
1480	-52	-57	-61	-63	-70	-73	-72	-73	-72	-72
1490	-31	-21	-16	-12	-18	-11	-1	1	3	3
1500	7	17	20	20	19	11	4	-6	-14	-21
1510	-27	-31	-31	-30	-28	-24	-27	-24	-20	-20
1520	-24	-25	-22	-22	-23	-24	-21	-16	-14	-10
1530	-8	-6	-6	-6	-12	-17	-17	-20	-20	-20
1540	-28	-24	-21	-19	-19	-17	-17	-20	-14	-14
1550	-4	2	10	15	15	16	16	15	13	8
1560	3	0	-1	-1	-1	0	0	3	3	3
1570	3	-2	-8	-16	-22	-26	-31	-33	-40	-40
1580	-40	-39	-33	-22	-15	-8	-1	1	1	1

TO BE CONTINUED

CONTINUED(S-585 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	0	-1	0	0	-7	-18	-24	-30	-32	-32
1600	-31	-28	-24	-20	-16	-15	-15	-16	-20	-20
1610	9	-8	-17	-2	3	5	5	1	0	-4
1620	-10	-14	-17	-22	-26	-32	-42	-51	-66	-74
1630	-45	-49	-59	-47	-37	-36	-35	-35	-35	-35
1640	-8	-6	-21	-33	-39	-34	-32	-42	-38	-41
1650	-3	-10	-15	-20	-23	-17	-22	-27	-20	-14
1660	-27	-30	-33	-38	-42	-35	-29	-24	-27	-27
1670	-48	-48	-49	-49	-49	-48	-48	-48	-48	-49
1680	-45	-42	-39	-33	-29	-23	-16	-9	-1	10
1690	15	19	23	25	25	25	25	25	25	22
1700	17	12	6	0	-6	-12	-18	-20	-20	-20
1710	17	12	6	0	-6	-12	-18	-20	-20	-20
1720	17	12	6	0	-6	-12	-18	-20	-20	-20
1730	17	12	6	0	-6	-12	-18	-20	-20	-20
1740	17	12	6	0	-6	-12	-18	-20	-20	-20
1750	10	-15	-18	-18	-21	-22	-24	-24	-25	-28
1760	-31	-32	-36	-42	-51	-60	-75	-88	-88	-87
1770	-84	-73	-57	-46	-39	-35	-32	-29	-28	-28
1780	-32	-34	-38	-37	-31	-19	-8	-5	-3	9
1790	15	21	20	15	9	6	1	-4	-9	-17
1800	-20	-24	-28	-32	-35	-40	-44	-49	-49	-49
1810	-49	-49	-49	-48	-47	-44	-39	-34	-27	-17
1820	-9	-9	-9	-10	-10	-10	-10	-10	-10	-10
1830	3	-1	-8	-17	-20	-22	-27	-28	-28	-32
1840	-35	-41	-47	-53	-59	-64	-64	-63	-61	-61
1850	-58	-52	-47	-43	-39	-35	-34	-32	-32	-30
1860	-27	-22	-22	-20	-16	-11	-8	-2	-1	1
1870	-4	4	1	3	11	20	25	29	34	40
1880	-39	-36	-31	-24	-19	-13	-9	-6	-6	-9
1890	-14	-18	-20	-25	-29	-39	-49	-59	-66	-76
1900	-23	-20	-18	-16	-16	-16	-19	-20	-23	-22
1910	-23	-21	-18	-14	-11	-12	-10	-10	-10	-10
1920	-10	-7	-7	-7	-6	-4	-8	-12	-17	-17
1930	-21	-28	-34	-42	-50	-60	-70	-80	-85	-91
1940	-91	-94	-94	-94	-94	-93	-86	-79	-68	-58
1950	-44	-35	-27	-16	-5	3	3	9	9	9
1960	9	10	9	9	13	13	6	1	-4	-10
1970	-16	-21	-28	-30	-31	-28	-24	-20	-16	-14
1980	-27	-4	-4	-4	-4	-4	-5	-9	-14	-19
1990	-21	-25	-28	-32	-35	-42	-47	-53	-58	-62
2000	-66	-66	-65	-61	-59	-56	-56	-53	-47	-41
2010	-34	-27	-21	-12	-4	-4	-3	-6	-10	-10
2020	-12	-12	-12	-12	-12	-10	-10	-6	-7	-4
2030	6	5	17	18	26	32	32	33	31	31
2040	29	26	27	16	16	6	0	0	-12	-18
2050	-26	-35	-45	-54	-63	-76	-84	-84	-84	-83
2060	-80	-79	-76	-76	-72	-67	-62	-56	-54	-51
2070	-16	6	16	24	24	24	24	24	23	20
2080	16	11	3	6	6	6	6	6	6	6
2090	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
2100	-31	-35	-38	-44	-48	-54	-56	-60	-62	-62
2110	-62	-62	-61	-60	-59	-57	-55	-54	-52	-49
2120	-45	-42	-40	-35	-28	-23	-13	-4	0	5

TO BE CONTINUED

CONTINUED(S-585 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	10	14	17	20	23	25	28	30	32	34
2140	34	34	31	27	22	22	17	12	-5	-15
2150	-38	-42	-46	-49	-56	-60	-60	-63	-64	-64
2160	-65	-65	-70	-70	-68	-69	-68	-68	-63	-63
2170	-61	-59	-54	-53	-51	-48	-48	-41	-38	-32
2180	-22	-12	-6	0	5	5	9	13	14	14
2190	20	20	20	18	18	18	18	16	16	17
2200	12	8	4	0	-4	-9	-16	-22	-25	-30
2210	-34	-40	-46	-49	-48	-48	-38	-34	-30	-25
2220	-20	-17	-14	-10	-7	-3	-3	-4	-3	-3
2230	-4	-4	-4	-4	-4	-4	-4	-4	-4	-2
2240	1	6	10	12	13	13	13	17	17	17
2250	16	16	14	13	6	6	-4	-4	-4	-4
2260	-22	-28	-33	-42	-47	-46	-44	-43	-43	-42
2270	-43	-42	-41	-41	-41	-41	-41	-43	-43	-42
2280	-41	-39	-35	-26	-22	-19	-16	-14	-11	-8
2290	-5	-2	-2	-2	-2	-2	-2	-2	0	0
2300	0	0	0	3	4	4	7	10	13	13
2310	13	10	10	9	5	3	-1	-6	-11	-16
2320	-21	-22	-22	-22	-22	-22	-22	-21	-18	-14
2330	-15	-15	-16	-20	-20	-20	-26	-28	-31	-31
2340	-31	-31	-28	-26	-23	-19	-15	-14	-14	-14
2350	-14	-14	-14	-14	-10	-9	-7	-6	-6	-6
2360	-6	-6	-10	-13	-15	-20	-25	-28	-30	-30
2370	-30	-30	-28	-28	-26	-26	-26	-28	-30	-32
2380	-37	-42	-46	-48	-49	-50	-50	-49	-46	-42
2390	-37	-32	-27	-22	-16	-5	0	4	13	21
2400	27	30	31	35	35	35	40	41	42	45
2410	45	44	41	36	34	29	23	18	13	8
2420	4	2	-5	-11	-18	-24	-29	-35	-42	-48
2430	-53	-53	-53	-53	-53	-53	-52	-51	-47	-43
2440	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42
2450	-42	-43	-42	-42	-42	-42	-39	-37	-35	-31
2460	-28	-27	-24	-17	-14	-11	-7	-4	2	4
2470	7	8	8	8	5	3	-1	-7	-10	-11
2480	-16	-19	-24	-25	-28	-28	-29	-32	-37	-38
2490	-38	-38	-37	-35	-33	-32	-29	-26	-23	-21
2500	-17	-16	-17	-16	-17	-16	-15	-15	-14	-14
2510	8	13	18	23	27	30	32	31	30	29
2520	29	27	26	26	26	26	26	26	25	26
2530	13	6	3	-1	-5	-10	-17	-22	-25	-26
2540	-28	-37	-42	-43	-43	-43	-43	-43	-39	-30
2550	-37	-36	-36	-34	-31	-30	-30	-30	-30	-30
2560	-30	-30	-28	-27	-25	-22	-19	-17	-14	-14
2570	-14	-14	-14	-11	-11	-11	-11	-10	-7	-5
2580	-5	-4	-3	-7	-9	-10	-11	-16	-17	-18
2590	-20	-21	-24	-27	-28	-29	-30	-33	-38	-40
2600	-40	-42	-41	-37	-36	-34	-33	-31	-29	-27
2610	-24	-20	-17	-15	-16	-16	-16	-16	-16	-16
2620	-30	-32	-36	-38	-40	-42	-42	-42	-42	-42
2630	-42	-43	-42	-42	-42	-41	-38	-36	-31	-27
2640	-21	-10	-6	-3	3	18	20	22	21	22
2650	23	19	14	11	5	2	-1	-9	-12	-12
2660	-17	-20	-22	-26	-28	-29	-30	-30	-29	-28

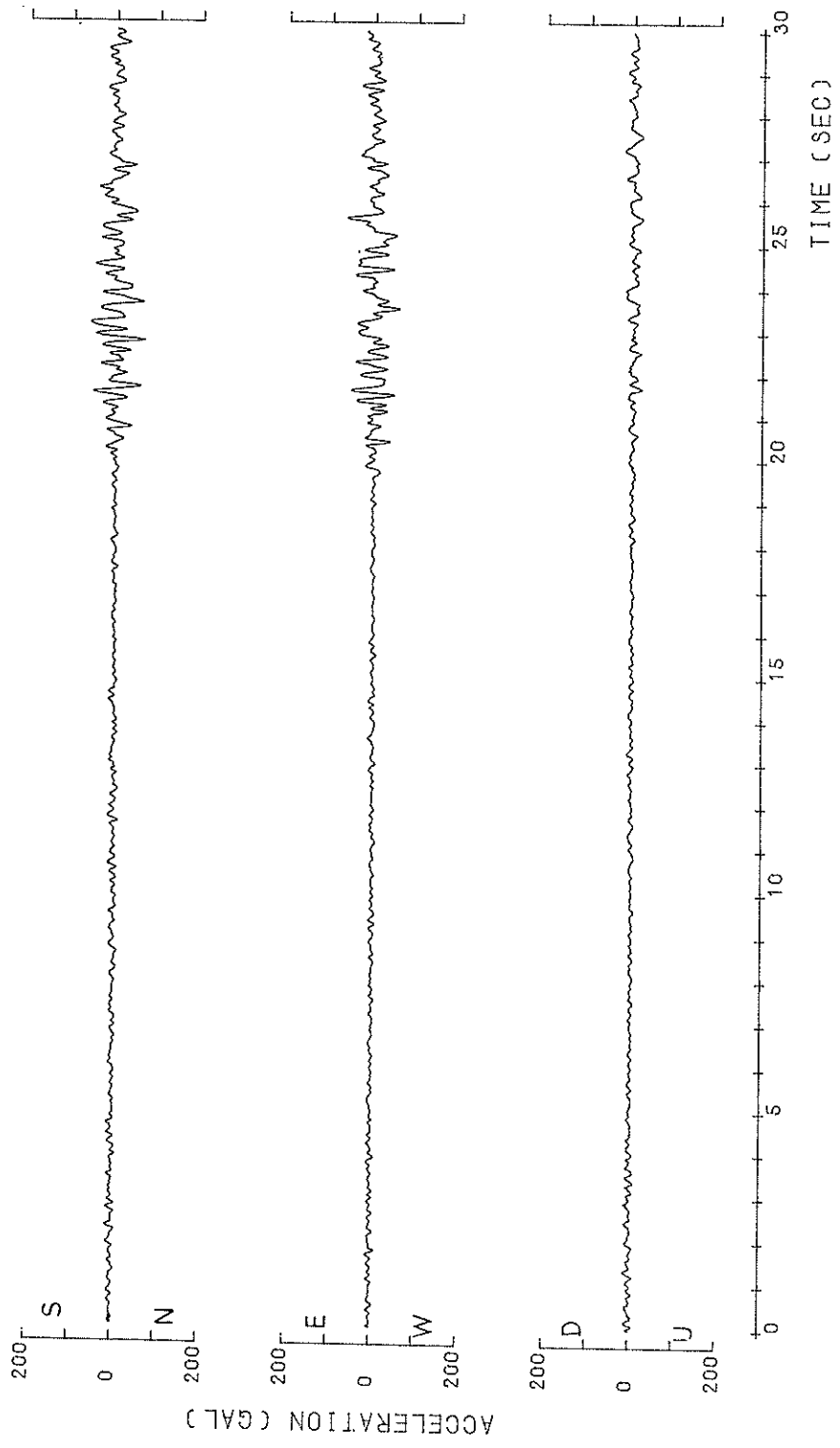
TU BE CONTINUED

CONTINUED(S-585 U-D)

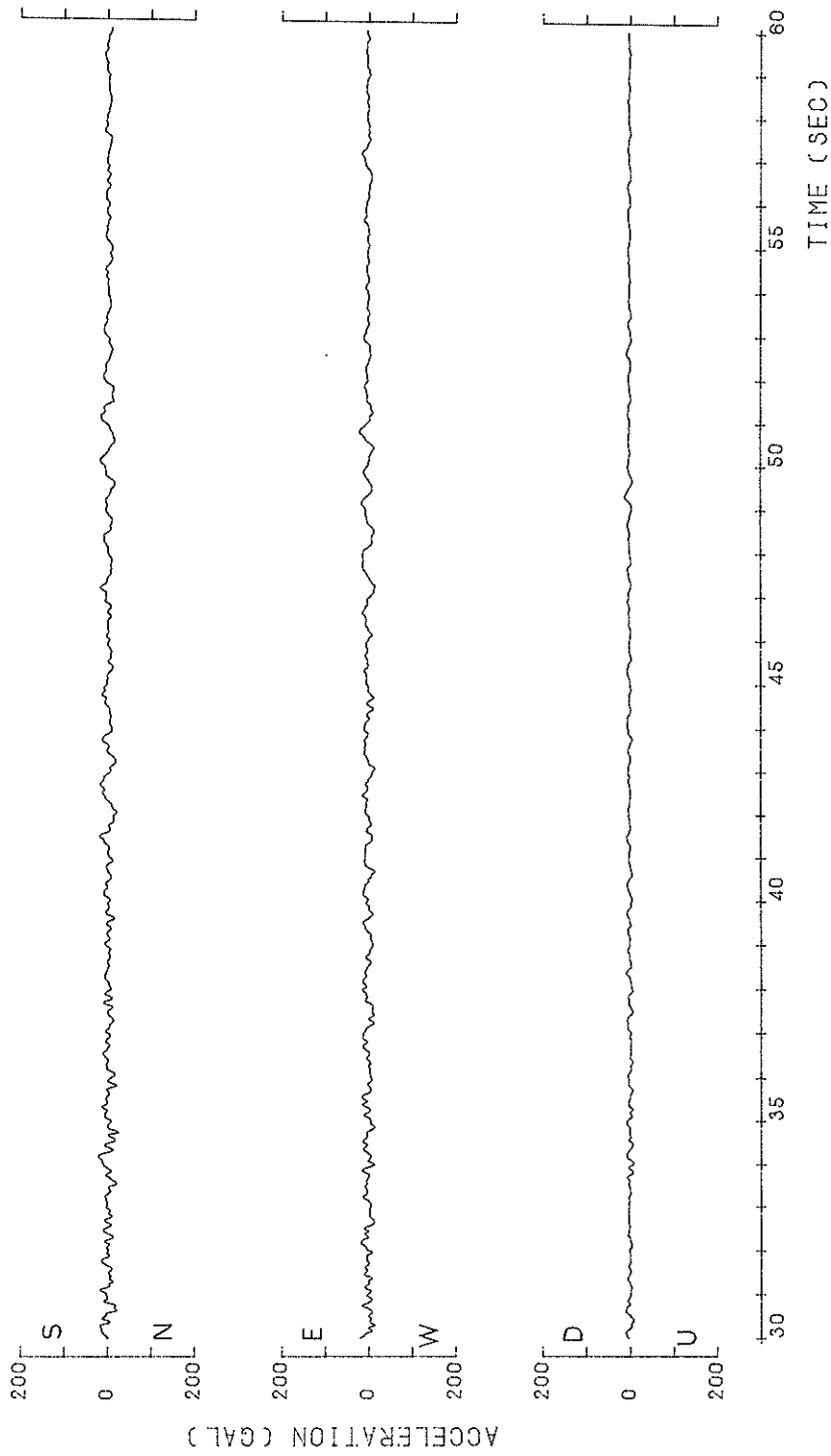
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	-26	-24	-20	-16	-10	0	4	11	15	24
2680	25	25	25	25	25	25	25	23	20	20
2690	18	13	16	18	18	18	18	18	18	16
2700	14	13	15	15	5	5	5	5	5	5
2710	5	5	5	5	5	5	2	0	0	-1
2720	-11	-2	-5	-4	-6	-10	-12	-14	-14	-13
2730	-11	-10	-7	-4	-7	-1	0	3	4	7
2740	13	10	7	7	7	10	12	14	14	14
2750	13	10	7	7	7	10	12	14	14	14
2760	-21	-24	-28	-32	-37	-38	-38	-38	-37	-38
2770	-38	-38	-38	-38	-38	-38	-38	-38	-37	-38
2780	-34	-32	-29	-28	-24	-24	-24	-24	-22	-22
2790	-22	-22	-21	-17	-15	-12	-10	-10	-6	-1
2800	30	30	30	30	30	30	30	30	30	30
2810	17	14	13	9	5	0	0	2	2	20
2820	17	14	13	9	5	0	0	2	2	20
2830	-4	-5	-4	-2	4	0	0	1	1	1
2840	3	3	3	2	0	-9	-10	-10	-11	-10
2850	-10	-10	-14	-17	-21	-22	-22	-22	-22	-22
2860	-22	-21	-16	-14	-12	-10	-8	-8	-8	-8
2870	-6	-9	-17	-17	-11	1	3	3	4	4
2880	7	9	17	20	20	21	20	20	20	20
2890	17	13	10	7	5	3	3	3	3	5
2900	8	8	9	8	5	4	4	5	10	11
2910	3	4	4	4	4	4	4	4	4	4
2920	14	17	17	17	17	17	17	17	17	17
2930	17	17	17	17	17	17	17	17	17	17
2940	14	11	9	6	6	5	4	0	-4	-9
2950	-10	-10	-6	-9	-9	-9	-13	-13	-19	-26
2960	-28	-28	-30	-30	-32	-36	-36	-36	-36	-36
2970	-36	-36	-36	-36	-36	-36	-36	-36	-36	-36
2980	-28	-27	-23	-25	-25	-28	-28	-28	-27	-28
2990	-24	-21	-21	-20	-20	-21	-18	-18	-18	-15

END

S-634 KUSHIRO-S 1971-08-02-16-25

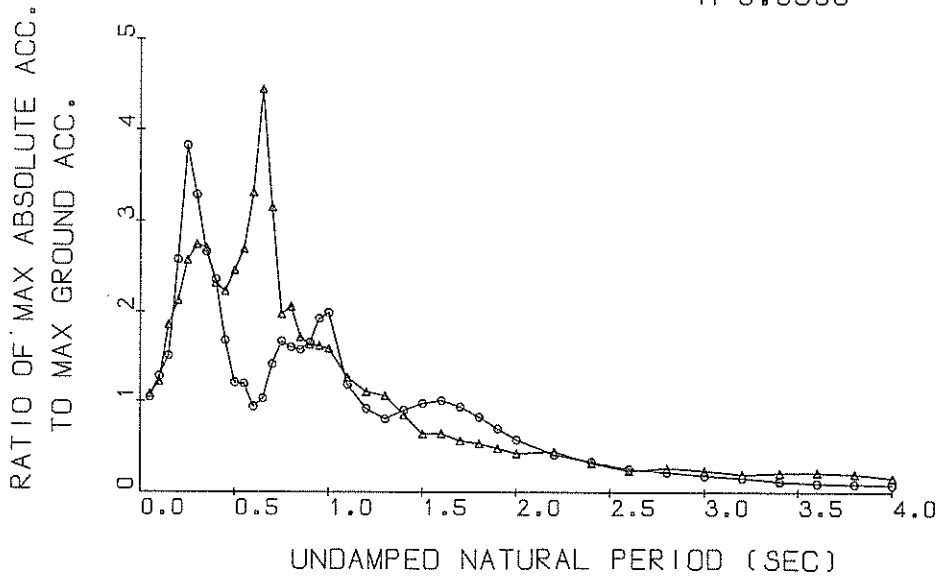


S-634 KUSHIRO-S 1971-08-02-16-25



S-634 KUSHIRO-S
1971-08-02-16-25

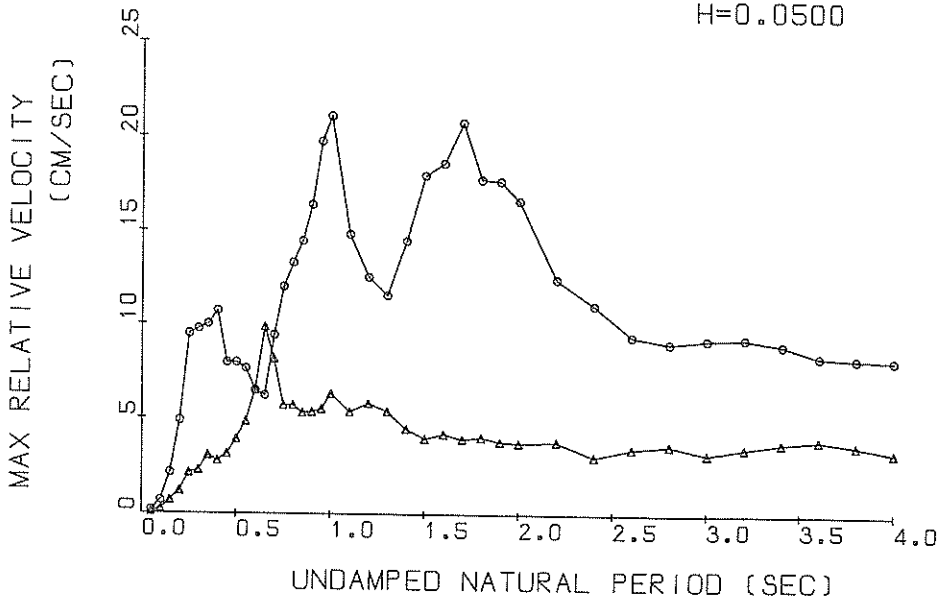
○ N-S
△ U-D
H=0.0500



Response Spectra

S-634 KUSHIRO-S
1971-08-02-16-25

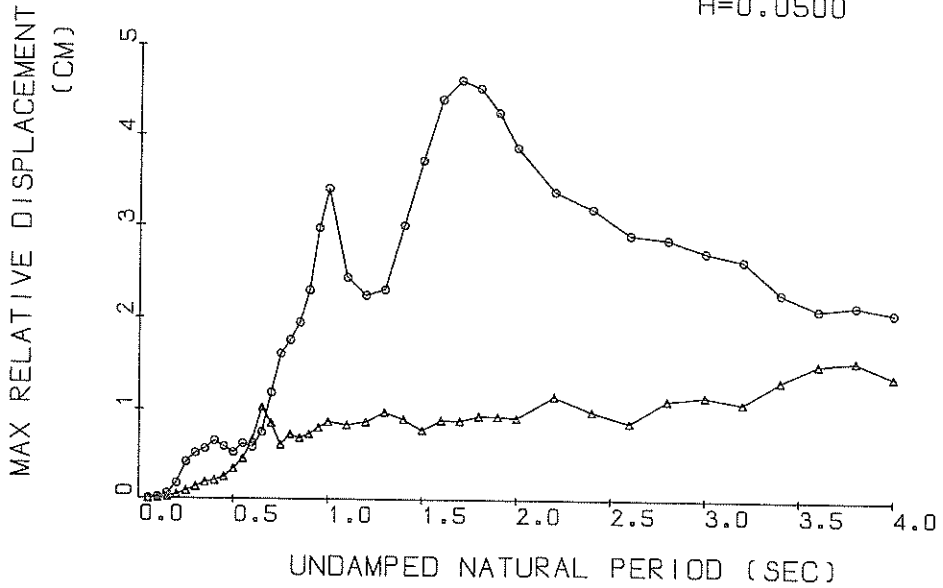
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△ U-D
H=0.0500



Response Spectra

S-634 KUSHIRO-S
 1971-08-02-16-25

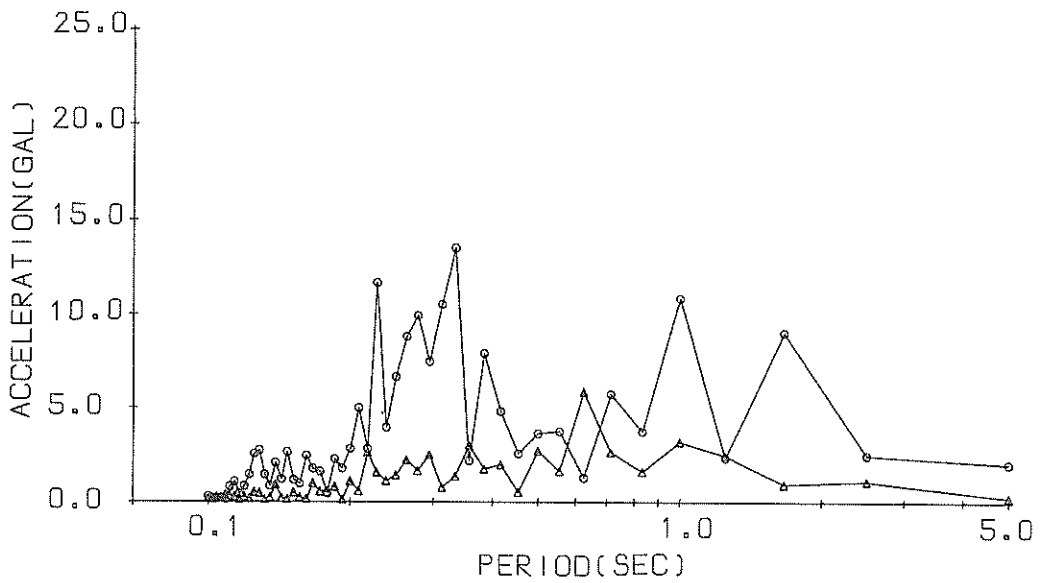
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-634

○ N-S TSK=21.00 TUS=5.00
 △ U-D TSK=21.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-634
 DATE AND TIME = 1971-08-02-16-25
 TIME LENGTH = 40.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR-ACC.
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 0. (SEC)

CORRECTION = ARC-ERR.
 MAX.GROUND ACC. = 21.70 (GAL)

STATION = KUSHIRO-S

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	72.6	0.47	0.005	24.7	0.11	0.002	23.4	0.08	0.001	23.0	0.07	0.001	22.7	0.06	0.001	22.7	0.06	0.001		
0.10	46.9	0.62	0.012	26.4	0.31	0.007	26.4	0.24	0.007	26.8	0.20	0.007	25.5	0.16	0.006	25.5	0.16	0.006		
0.15	139.2	3.15	0.079	45.3	0.82	0.026	40.3	0.70	0.023	34.9	0.55	0.019	28.2	0.33	0.015	28.2	0.33	0.015		
0.20	195.5	6.36	0.198	62.4	1.55	0.063	46.1	1.19	0.048	34.6	0.83	0.035	27.6	0.52	0.044	27.6	0.52	0.044		
0.25	236.5	9.32	0.374	72.6	2.75	0.115	55.8	2.14	0.088	40.8	1.53	0.063	30.0	0.92	0.064	30.0	0.92	0.064		
0.30	244.3	11.34	0.557	82.3	3.44	0.187	59.5	2.29	0.135	41.9	1.67	0.094	29.7	1.10	0.064	29.7	1.10	0.064		
0.35	175.8	9.42	0.546	81.4	4.31	0.253	58.8	3.06	0.182	41.5	2.00	0.127	28.5	1.12	0.083	28.5	1.12	0.083		
0.40	136.2	8.43	0.552	65.4	3.83	0.245	50.2	2.78	0.203	39.3	2.02	0.157	28.0	1.29	0.107	28.0	1.29	0.107		
0.45	125.8	8.59	0.645	54.4	3.46	0.279	48.4	3.13	0.247	39.3	2.47	0.199	30.4	1.59	0.145	30.4	1.59	0.145		
0.50	165.3	12.88	1.047	71.9	5.48	0.454	53.4	3.90	0.337	41.7	2.78	0.261	31.9	1.96	0.185	31.9	1.96	0.185		
0.55	157.8	13.68	1.209	79.5	6.37	0.608	58.4	4.81	0.445	45.5	3.79	0.344	33.2	2.31	0.230	33.2	2.31	0.230		
0.60	201.2	19.39	1.835	92.5	8.89	0.842	72.0	6.48	0.653	55.1	5.03	0.494	33.9	2.67	0.276	33.9	2.67	0.276		
0.65	229.4	23.95	2.455	136.4	14.13	1.459	96.4	9.82	1.026	61.2	6.05	0.642	32.6	3.07	0.308	32.6	3.07	0.308		
0.70	196.6	22.05	2.440	84.6	9.81	1.047	68.4	8.10	0.844	49.6	5.88	0.602	29.5	3.27	0.319	29.5	3.27	0.319		
0.75	125.4	15.89	1.787	61.1	8.00	0.870	42.8	5.66	0.606	35.0	4.76	0.486	26.2	3.29	0.335	26.2	3.29	0.335		
0.80	86.5	11.07	1.403	57.1	7.12	0.925	44.7	5.68	0.721	33.2	4.24	0.527	25.4	3.21	0.365	25.4	3.21	0.365		
0.85	77.9	10.35	1.426	48.4	5.58	0.738	37.2	5.27	0.679	32.1	4.32	0.573	24.4	3.13	0.391	24.4	3.13	0.391		
0.90	72.2	10.34	1.481	41.7	6.06	0.854	35.4	5.32	0.824	30.1	4.34	0.602	23.1	3.06	0.409	23.1	3.06	0.409		
0.95	69.8	10.76	1.595	43.8	6.62	1.001	35.2	5.45	0.801	27.8	4.20	0.618	21.6	3.01	0.420	21.6	3.01	0.420		
1.00	117.2	18.97	2.969	53.4	8.42	1.352	34.5	6.27	0.868	24.2	4.38	0.596	20.0	2.95	0.426	20.0	2.95	0.426		
1.10	56.3	10.05	1.726	31.6	6.01	0.968	27.4	5.32	0.833	21.6	4.40	0.647	17.1	2.89	0.432	17.1	2.89	0.432		
1.20	28.1	5.84	1.025	27.7	6.32	1.009	23.9	5.76	0.866	17.8	4.67	0.630	15.0	2.97	0.441	15.0	2.97	0.441		
1.30	37.6	7.25	1.611	27.0	6.06	1.192	23.0	5.36	0.977	17.5	4.28	0.727	13.3	2.88	0.451	13.3	2.88	0.451		
1.40	41.2	9.94	2.045	22.2	5.41	1.100	18.3	4.44	0.900	14.8	3.54	0.705	11.8	2.92	0.456	11.8	2.92	0.456		
1.50	34.7	7.80	1.979	16.3	4.33	0.925	13.7	3.95	0.776	12.7	3.41	0.704	10.5	2.93	0.466	10.5	2.93	0.466		
1.60	20.8	6.31	1.347	16.3	4.72	1.054	13.8	4.18	0.888	12.0	3.43	0.749	9.4	2.95	0.498	9.4	2.95	0.498		
1.70	17.3	4.35	1.264	14.2	4.15	1.038	12.2	3.92	0.882	11.0	3.36	0.771	8.7	2.96	0.515	8.7	2.96	0.515		
1.80	24.0	6.78	1.973	14.9	4.75	1.024	11.5	4.02	0.937	9.8	3.36	0.776	8.1	2.98	0.519	8.1	2.98	0.519		
1.90	22.1	5.96	2.022	12.2	4.10	1.110	10.3	3.79	0.934	8.5	3.45	0.752	7.4	2.99	0.513	7.4	2.99	0.513		
2.00	14.2	4.54	1.440	11.1	4.02	1.128	9.1	3.73	0.919	7.4	3.41	0.741	6.7	2.99	0.502	6.7	2.99	0.502		
2.20	18.6	6.50	2.278	13.0	4.79	1.591	9.6	3.80	1.164	6.8	3.10	0.820	5.4	2.97	0.556	5.4	2.97	0.556		
2.40	11.0	4.57	1.608	8.5	3.47	1.235	6.8	3.01	0.922	5.4	3.03	0.784	4.8	2.97	0.584	4.8	2.97	0.584		
2.60	11.1	5.28	1.908	6.9	3.98	1.182	5.1	3.44	0.868	4.3	3.25	0.726	4.7	2.99	0.606	4.7	2.99	0.606		
2.80	10.6	4.74	2.114	6.7	3.86	1.320	5.8	3.63	1.122	4.8	3.34	0.878	4.6	3.01	0.656	4.6	3.01	0.656		
3.00	7.9	3.35	1.804	6.0	3.23	1.355	5.2	3.19	1.168	4.4	3.22	0.834	4.3	3.01	0.735	4.3	3.01	0.735		
3.20	6.6	3.98	1.721	5.1	3.69	1.317	4.3	3.50	1.093	3.9	3.20	0.833	4.0	3.01	0.832	4.0	3.01	0.832		
3.40	6.2	4.07	1.609	5.3	3.55	1.562	4.6	3.76	1.342	3.6	3.39	1.043	3.6	3.00	0.931	3.6	3.00	0.931		
3.60	7.5	4.88	2.456	5.8	4.31	1.886	4.7	3.93	1.529	3.6	3.39	1.136	3.6	2.98	1.034	3.6	2.98	1.034		
3.80	8.3	4.63	3.030	5.5	3.99	1.985	4.3	3.64	1.568	3.6	3.30	1.156	3.6	2.95	1.140	3.6	2.95	1.140		
4.00	5.2	3.50	2.115	3.8	3.38	1.554	3.5	3.28	1.402	3.3	3.15	1.312	3.6	2.90	1.251	3.6	2.90	1.251		

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD - S-634 COMPONENT - U-D STATION - KUSHIRO-S
 DATE AND TIME - 1971-08-02-16-25 TOTAL NUMBER OF DATA - 6000
 SAMPLING INTERVAL - 0.010 (SEC) UNIT - 0.1 GAL
 SIGNAL - GR.ACC. CORRECTION - ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	0	43	42	24	3	-7	-43	-66	-67
10	-60	49	33	49	60	76	60	76	83	94
20	80	59	41	29	9	-27	-50	-50	50	44
30	-42	-60	-40	-52	-16	-11	-9	-9	-5	-2
40	-1	4	15	22	26	30	34	34	46	46
50	63	75	71	60	23	66	57	28	-2	1
60	-3	0	0	-5	-23	-24	-22	-12	-3	-3
70	4	7	14	19	23	32	20	-18	-10	-33
80	-40	-4	-55	-63	-63	-67	-32	-8	10	17
90	18	25	30	40	38	22	-3	-16	-26	-66
100	-26	-22	-11	-1	14	28	46	56	58	53
110	49	42	38	30	19	11	-1	-19	-40	-58
120	-72	-82	-81	-73	-48	-29	-11	19	39	56
130	68	84	101	110	111	109	105	93	65	28
140	11	-10	-22	-22	-16	-8	-4	1	11	16
150	21	27	35	41	43	43	43	43	52	43
160	18	-10	-15	-23	-27	-32	-34	-34	-22	-11
170	-4	3	5	4	-1	-7	1	-11	-21	-22
180	-20	-17	-31	-45	-55	-57	-61	-62	-70	-72
190	-58	79	67	53	21	37	52	63	68	70
200	73	78	30	32	53	45	32	27	22	21
210	22	30	32	27	12	11	15	18	10	-6
220	-22	-22	-22	-12	3	5	-19	-34	-35	-29
230	-17	-9	-6	-9	-14	-14	-1	21	42	49
240	57	68	82	101	105	93	71	63	56	47
250	34	18	-12	-29	-30	-25	-19	-10	-8	-8
260	-11	-8	-1	5	-6	-19	-4	-14	-14	-9
270	-3	-13	-30	-30	-30	-19	-2	-14	-14	-9
280	29	37	57	80	82	69	61	80	118	126
290	57	50	37	37	42	40	10	-4	-4	-4
300	30	32	27	25	28	39	50	58	50	29
310	2	-20	-44	-53	-53	-49	-49	-40	-30	-17
320	-7	4	19	22	20	20	42	63	75	57
330	21	-8	-2	-18	-27	-70	-93	-71	-76	-53
340	-33	-30	-35	-18	4	34	47	57	64	74
350	84	87	68	44	19	-23	-38	-66	-64	-70
360	-68	-61	-55	-53	-50	-46	-54	-44	0	24
370	50	70	76	71	64	60	54	44	28	23
380	23	22	16	12	5	1	7	17	28	41
390	57	56	57	49	29	4	-20	-27	-33	-41
400	-51	-51	-49	-40	-34	-26	-4	-6	6	23
410	56	51	61	65	64	52	41	41	50	61
420	60	51	30	15	15	17	18	11	1	-3
430	3	19	39	43	44	4	-7	-60	70	75
440	31	19	15	11	3	-4	-17	-17	-7	6
450	-5	-5	-22	-16	-7	-4	-9	-13	-16	-15
460	-13	-15	-16	-13	-7	-8	-16	-17	-17	-12
470	-11	-18	-16	-13	-6	0	8	19	17	12
480	-11	27	43	57	63	64	59	59	56	52
490	41	28	21	13	12	14	18	21	22	17
500	21	30	41	47	41	34	34	43	38	22

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	30	30	32	37	41	43	44	44	44	47
1060	49	53	50	45	39	37	32	26	15	15
1070	15	15	12	-1	-2	-6	-6	-15	-37	-41
1080	-44	-46	-50	-50	-53	-51	-47	-44	-38	-38
1090	-31	-26	-22	-18	-20	-13	-8	8	8	8
1100	16	28	35	41	47	47	42	36	29	29
1110	16	7	0	-9	-9	-21	-25	1	1	1
1120	14	24	41	44	42	42	48	53	53	53
1130	66	67	68	67	68	68	69	62	64	64
1140	56	50	49	41	37	30	25	15	14	14
1150	31	0	-13	-24	-35	-39	-33	-20	-10	-10
1160	-38	-38	-43	-44	-46	-47	-51	-42	-35	-40
1170	47	46	43	41	46	47	51	42	28	28
1180	3	-7	4	-6	-6	-2	-12	-13	-13	-13
1190	8	-9	-9	-8	0	-5	-10	-12	-15	-15
1200	-13	-13	-9	-5	4	8	12	12	15	17
1210	18	18	11	3	8	22	36	43	47	54
1220	53	49	40	32	31	29	26	16	12	13
1230	19	24	20	10	10	13	13	14	14	14
1240	0	-3	-1	5	9	15	20	25	28	33
1250	34	36	44	52	58	64	70	74	80	84
1260	27	22	20	18	16	15	12	14	22	28
1270	31	27	25	34	41	49	60	71	80	89
1280	82	75	68	59	47	34	26	19	9	7
1290	2	-1	-8	-13	-25	-37	-50	-65	-81	-97
1300	-1	13	23	35	43	50	54	55	58	61
1310	35	28	22	13	13	-14	-24	-34	-41	-41
1320	-2	0	24	47	68	101	169	279	479	714
1330	97	82	77	67	62	54	40	34	24	14
1340	1	-16	-13	-15	-22	-19	-10	12	12	23
1350	24	31	34	32	32	22	14	12	12	12
1360	-15	-14	-14	-14	-11	-9	-11	-12	-13	-13
1370	26	24	29	31	34	30	24	12	23	31
1380	7	4	5	9	12	18	20	21	15	10
1390	36	39	41	39	37	37	29	23	14	9
1400	6	1	2	7	10	8	2	75	19	28
1410	39	49	65	73	79	79	74	75	73	73
1420	73	70	69	64	58	47	38	32	18	10
1430	-1	-10	-4	-3	-2	-10	-10	-23	-21	-14
1440	-3	-2	-3	-2	0	9	16	26	46	81
1450	-26	-24	-24	-20	-20	-12	-9	-6	-16	-23
1460	61	63	62	55	51	46	42	45	47	52
1470	34	24	24	-11	-17	-29	-30	-24	-11	4
1480	11	21	39	50	58	62	65	64	57	51
1490	40	31	17	5	-8	-15	-23	-31	-28	-28
1500	-24	-20	-23	-28	-25	-19	-15	-12	-7	34
1510	35	34	33	28	22	15	12	11	11	11
1520	2	0	-2	-3	0	11	17	21	21	48
1530	63	67	70	61	46	29	3	-10	-5	5
1540	-22	-18	-15	-13	-8	-2	1	5	-9	-13
1550	16	20	22	20	18	13	11	9	13	13
1560	-20	-24	-29	-28	-24	-15	-9	-4	-14	-14
1570	18	19	15	14	10	7	-8	-4	15	15
1580	11	20	24	39	48	57	52	51	51	51

TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	51	48	47	45	48	55	54	51	41	30
1600	23	22	20	14	14	10	10	0	6	13
1610	14	19	21	-25	25	22	12	8	-2	-8
1620	-15	-25	-22	-18	-8	-3	-2	-4	6	7
1630	9	10	16	20	22	26	26	26	23	19
1640	10	1	-2	1	5	1	-8	-17	-17	3
1650	11	15	16	18	25	43	52	54	49	49
1660	49	44	35	29	26	25	20	11	4	4
1670	-4	-4	-1	3	6	2	-2	-2	-2	4
1680	5	5	5	5	4	-2	-4	-10	-23	-26
1690	-38	-38	-32	-26	-28	-33	-32	-32	-14	-12
1700	-10	0	9	10	13	25	35	42	37	39
1710	17	28	33	28	18	14	14	14	17	18
1720	19	24	32	33	36	41	45	39	33	28
1730	31	34	31	16	11	7	-3	-3	5	5
1740	9	7	3	0	-1	-6	-9	-9	-1	-12
1750	-16	-18	-18	-13	-9	-4	-3	0	3	2
1760	-2	1	4	8	1	0	1	3	0	0
1770	4	-2	-20	-20	-20	-20	-15	-2	17	17
1780	15	12	10	12	20	24	25	28	32	34
1790	39	39	32	30	31	28	25	20	14	17
1800	19	22	28	7	8	14	23	42	39	36
1810	29	22	11	0	-11	-17	-23	-41	-50	-56
1820	-53	-47	-40	-34	-32	-26	-8	32	50	50
1830	55	62	61	53	44	32	21	11	10	15
1840	12	0	-10	-4	1	4	6	11	18	37
1850	48	52	57	61	67	74	80	68	54	43
1860	20	12	7	-11	-27	-39	-44	-50	-41	-53
1870	-57	-50	-42	-35	-25	-23	-25	-16	-5	14
1880	25	31	30	29	26	32	32	25	18	11
1890	0	1	5	8	11	15	22	27	35	43
1900	49	53	51	49	44	39	33	25	17	8
1910	1	-4	-10	-7	-2	2	9	10	10	10
1920	7	4	-7	-6	-3	0	49	50	58	58
1930	58	52	49	40	39	37	24	23	18	8
1940	-2	-6	-13	-4	-1	4	0	-5	-6	-3
1950	6	14	16	10	7	-17	-16	-19	-25	-25
1960	-40	-54	-52	-44	-37	-32	-30	-29	-33	-34
1970	-40	-46	-46	-53	-56	-46	-36	-21	-13	-9
1980	-6	2	8	11	13	10	4	0	-6	-9
1990	25	32	32	32	32	32	32	32	32	32
2000	76	79	82	70	60	53	47	44	38	42
2010	47	57	66	66	72	66	58	49	44	39
2020	38	33	32	33	28	22	10	0	-12	-21
2030	-23	-24	-30	-27	-20	-21	-22	-8	-19	17
2040	5	8	16	18	20	21	22	21	19	17
2050	11	6	6	-12	-21	-36	-44	-68	-76	-87
2060	-98	-103	-99	-84	-72	-54	-39	-20	-2	20
2070	33	51	56	58	73	87	96	95	83	93
2080	92	89	82	71	64	62	55	54	48	45
2090	-4	-28	-31	-22	-13	-4	-8	-12	-12	-9
2100	9	22	19	11	11	11	11	11	11	11
2110	-10	-14	-23	-26	-29	-34	-40	-42	-46	-51
2120	-55	-58	-52	-35	-23	-20	-17	-4	26	41

TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	45	48	54	59	62	53	45	36	27	16
2140	-12	-36	-110	-110	-104	90	89	89	92	89
2150	95	103	73	68	57	41	27	-4	-103	-132
2168	179	-204	-178	-152	-140	-120	-4	-81	-59	-32
2178	-174	-39	68	75	83	61	38	36	21	7
2180	-11	-27	-54	-81	-84	-88	-86	-83	-82	-80
2190	-8	-24	-45	-34	-20	11	47	62	70	65
2200	74	-62	47	69	93	107	87	77	65	60
2210	55	47	44	73	80	85	72	63	56	48
2220	57	13	1	4	14	23	22	12	3	-14
2230	-21	-26	-40	-46	-47	-50	-50	-50	-51	-61
2240	-88	-112	-140	-154	-170	-182	-154	-130	-102	-102
2250	-80	-36	60	80	94	94	94	94	94	79
2260	-73	63	60	59	58	43	14	-10	-30	-46
2270	68	-63	60	59	58	43	14	-10	-30	-46
2280	-61	-53	-58	-58	-46	-29	-2	22	42	45
2290	35	30	19	7	-17	-28	-18	0	18	18
2300	11	11	12	9	0	-1	-1	-1	-1	-1
2310	-13	-12	-4	2	0	-7	-18	-26	-22	-16
2320	-53	-63	-68	-82	-94	-93	-85	-72	-40	-2
2330	47	73	86	103	111	130	125	108	89	73
2340	63	51	35	18	-30	-42	-56	-75	-93	-116
2350	-121	-121	-110	-97	-91	-97	-110	-109	-97	-83
2360	-66	-67	-73	-80	-90	-100	-98	-105	-116	-126
2370	-127	-118	-77	-46	-30	-18	9	39	56	93
2380	111	125	145	150	150	152	156	160	162	161
2390	148	146	131	128	128	132	136	146	160	169
2400	179	172	158	147	127	105	84	69	55	42
2410	20	-2	-37	-50	-66	-90	-104	-106	-100	-99
2420	-95	-91	-90	-87	-76	-61	-47	-40	-32	-27
2430	-23	-24	-40	-52	-72	-85	-86	-69	-53	-33
2440	-18	-15	-17	-10	15	21	26	31	28	21
2450	9	0	-15	-32	-45	-63	-91	-110	-109	-96
2460	-85	-70	-47	-25	0	12	28	38	50	50
2470	36	24	15	12	18	8	-4	-33	-42	-30
2480	-22	-24	-31	-31	-43	-48	-55	-61	-79	-97
2490	-147	-140	-131	-130	-128	-101	-66	-42	-18	-18
2500	-6	-4	44	46	59	85	99	108	114	109
2510	107	94	81	73	62	43	24	14	10	5
2520	3	0	18	33	45	47	55	65	72	73
2530	72	54	46	37	25	20	12	26	39	39
2540	40	56	52	36	28	34	35	43	35	28
2550	-1	-21	-42	-60	-82	-105	-119	-133	-143	-158
2560	-174	-176	-175	-175	-169	-200	-196	-156	-134	-94
2570	-87	-68	-53	-34	-11	5	24	37	50	50
2580	63	86	78	76	71	63	58	58	59	65
2590	70	77	86	96	94	92	93	97	101	100
2600	99	95	90	87	79	68	60	35	1	-23
2610	-46	-64	-142	-148	-148	-152	-151	-149	-141	-124
2620	-108	-81	-72	-75	-70	-54	-36	-18	-12	-10
2630	14	26	23	11	3	-9	-9	-13	-13	-10
2640	-7	-2	0	3	3	0	-6	-8	-8	-8
2650	-3	14	61	127	154	161	169	178	174	163
2660	139	118	86	58	35	25	-20	-27	-33	-33

TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	-40	-52	-62	-72	-64	-55	-64	-65	-71	-74
2680	-73	-66	-64	-58	-52	-44	-35	-34	-34	-34
2690	-63	-89	-74	-89	-81	-69	-68	-62	-53	-60
2700	-30	-18	-15	-12	-12	-13	-12	-8	-2	6
2710	16	43	60	94	120	140	153	170	186	203
2720	217	216	211	211	205	196	182	162	143	121
2730	98	84	72	67	59	48	33	12	7	9
2740	-12	-17	-36	-52	-73	-84	-95	-121	-144	-158
2750	-174	-179	-179	-178	-177	-175	-174	-162	-135	-113
2760	-95	-82	-67	-67	-54	-39	-14	2	12	24
2770	43	60	77	84	85	88	90	85	72	63
2780	59	59	53	49	49	50	56	59	63	63
2790	59	65	71	66	58	48	25	13	8	0
2800	-16	-37	-50	-48	-40	-30	-22	-17	-12	-12
2810	-17	-21	-28	-28	-36	-30	-24	-15	-7	-3
2820	4	6	8	8	11	20	20	20	25	33
2830	42	52	56	52	52	42	28	95	106	116
2840	128	136	135	121	102	79	58	42	28	8
2850	-9	-24	-37	-47	-52	-52	-51	-51	-46	-40
2860	-30	-20	-18	-29	-34	-37	-37	-44	-52	-64
2870	-74	-85	-93	-103	-117	-115	-101	-89	-74	-58
2880	-42	-12	43	63	79	79	73	72	66	52
2890	33	17	7	7	12	16	20	32	46	62
2900	80	98	115	127	136	147	152	147	140	127
2910	109	85	58	45	22	0	-24	-40	-45	-50
2920	-50	-43	-34	-18	-8	2	5	8	17	28
2930	-33	-33	-23	-13	-12	-30	-40	-47	-51	-77
2940	-45	-39	-23	-8	7	13	28	58	69	77
2950	94	102	96	91	84	75	67	57	42	3
2960	-18	-33	-42	-50	-68	-72	-72	-68	-65	-62
2970	-57	-51	-42	-40	-44	-44	-44	-42	-40	-46
2980	-41	-44	-45	-46	-48	-47	-44	-34	-29	-29
2990	-22	-11	-6	-2	0	1	7	14	20	28
3000	43	53	63	69	73	78	78	78	83	92
3010	101	106	112	105	102	99	94	88	78	47
3020	37	31	23	11	-10	-19	-29	-29	-22	-25
3030	-28	-30	-30	-30	-31	-40	-44	-50	-64	-75
3040	-78	-76	-71	-66	-61	-55	-46	-34	-19	-8
3050	1	12	15	25	35	48	66	82	93	106
3060	105	102	92	90	90	93	93	95	92	88
3070	82	76	63	48	32	20	8	8	6	6
3080	30	44	57	57	55	54	53	49	43	30
3090	28	28	26	24	20	13	5	-4	-6	-1
3100	0	-13	-20	-20	-20	-16	-13	-20	-15	-18
3110	-13	-12	-23	-34	-37	-33	-27	-20	-12	-8
3120	-1	2	5	5	2	2	3	2	2	2
3130	46	54	63	63	62	58	56	59	59	59
3140	24	24	25	25	25	17	10	9	4	-4
3150	-10	-12	-14	-12	-6	0	9	23	30	34
3160	37	35	32	30	28	29	27	22	17	11
3170	9	0	-1	0	0	0	0	1	7	4
3180	2	0	2	4	8	1	-3	-7	0	0
3190	0	0	0	2	14	16	18	19	17	14
3200	13	16	20	14	12	-17	-20	-22	-29	-32

TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
3210	-40	-36	-30	-29	-28	-28	-28	-25	-8	-7	-58	-46	-41	-33	-24	-24	-24	-18	-8	-6
3220	19	2	2	4	5	2	2	0	3	11	3750	-54	-46	-41	-33	-24	-24	-18	-8	-6
3230	16	24	31	43	50	56	55	53	43	38	3760	1	4	6	24	32	32	31	30	29
3240	14	24	31	44	48	41	35	24	21	24	3770	32	33	27	27	27	27	33	33	30
3250	24	22	15	13	8	12	17	20	20	20	3780	47	46	46	45	40	40	29	18	18
3260	36	32	35	40	41	38	40	33	34	34	3790	-8	-17	-25	-32	-43	-48	-49	-49	-49
3270	34	32	37	35	37	38	39	40	38	38	3800	-47	-43	-51	-62	-76	-91	-106	-121	-126
3280	42	42	41	42	39	34	31	36	37	36	3810	-27	-26	-22	-18	-15	-11	-9	-6	-6
3290	42	42	46	44	44	41	33	24	23	20	3820	-3	-2	-2	6	12	16	22	23	29
3300	24	19	18	18	18	22	22	20	30	31	3830	37	53	67	77	85	89	93	91	74
3310	24	34	33	29	26	24	24	24	23	30	3840	68	63	59	36	29	29	8	63	74
3320	34	34	32	29	20	14	9	6	1	-2	3850	-28	-26	-22	-10	-10	-10	-10	-10	-20
3330	-4	-4	-5	8	13	16	0	0	-1	-2	3860	-9	-5	-2	9	13	18	18	18	-18
3340	-1	4	-5	8	13	16	0	0	-1	-2	3870	18	17	17	17	17	17	17	18	-18
3350	29	33	32	29	27	26	24	22	21	16	3880	25	27	37	50	57	58	58	56	56
3360	14	13	18	22	24	22	24	22	21	16	3890	49	42	36	29	22	16	14	10	9
3370	64	54	41	22	35	46	55	58	63	70	3900	11	17	17	17	15	12	13	13	13
3380	-57	-55	-53	-48	-41	-30	-12	-4	-6	-57	3910	10	10	9	12	12	12	16	20	22
3390	32	32	37	44	44	1	-13	-38	-50	-22	3920	25	29	33	38	42	46	47	50	52
3400	-62	-70	-77	-76	-69	-61	-52	-42	-30	-21	3930	54	54	54	55	54	46	38	31	21
3410	-53	-61	-67	-66	-59	-51	-42	-32	-20	-11	3940	10	1	-4	-9	-14	-17	-14	-10	-6
3420	79	77	72	68	52	60	70	75	78	78	3950	7	10	13	14	13	14	13	17	20
3430	30	28	22	10	1	-7	67	57	44	32	3960	23	27	31	37	49	54	55	59	73
3440	-41	-29	-21	-10	1	-7	-18	-25	-32	-39	3970	77	77	77	76	76	65	56	47	40
3450	-41	-29	-21	-10	1	-7	-18	-25	-32	-39	3980	38	35	35	15	4	-10	-16	-16	-20
3460	13	14	12	12	15	-2	1	1	4	12	4000	-20	-19	-20	-20	-20	-19	-22	-22	-28
3470	13	14	12	12	15	-2	1	1	4	12	4010	-24	-24	-24	-24	-24	-24	-24	-24	-30
3480	9	9	10	10	13	13	11	9	8	8	4020	24	24	29	33	38	45	48	49	50
3490	56	66	77	73	78	82	79	72	40	47	4030	57	62	63	67	68	67	64	64	64
3500	69	55	47	34	22	14	3	-10	-21	-28	4040	63	61	60	58	56	52	45	38	28
3510	-35	-40	-38	-24	-14	-2	4	9	-2	-8	4050	24	12	2	-6	-12	-21	-32	-40	-46
3520	-5	-13	-13	-11	-12	-10	-10	-10	-8	-54	4060	46	46	46	46	46	46	46	46	46
3530	-4	-13	-13	-11	-12	-10	-10	-10	-8	-54	4070	-23	-22	-22	-22	-22	-22	-22	-22	-28
3540	40	41	38	31	35	34	29	26	23	20	4080	-3	-2	-2	-2	-2	-2	-2	-2	-3
3550	14	10	10	10	13	13	11	9	8	8	4090	27	28	32	35	35	35	35	35	35
3560	-4	-9	-13	-18	-22	-28	-35	-43	-53	-55	4100	30	27	26	23	23	23	23	23	27
3570	-57	-58	-61	-61	-61	-61	-61	-61	-61	-61	4110	27	26	26	26	26	26	26	26	27
3580	12	18	23	32	32	32	32	32	32	32	4120	7	7	7	7	7	7	7	7	7
3590	34	32	32	32	32	32	32	32	32	32	4130	30	30	30	30	30	30	30	30	30
3600	51	52	53	56	60	56	50	45	38	45	4140	61	64	69	70	72	74	77	80	76
3610	27	20	17	18	20	-10	-15	-23	-25	-24	4150	72	66	66	66	66	66	66	66	66
3620	-20	-20	-17	-14	-10	-11	-18	-28	-34	-34	4160	20	16	13	10	8	6	4	3	2
3630	-37	-43	-41	-49	-50	-56	-67	-81	-95	-100	4170	8	8	8	8	8	8	8	8	8
3640	-34	-30	-24	-10	-9	-16	-16	-18	-21	-21	4180	-9	-9	-9	-9	-9	-9	-9	-9	-9
3650	-7	-7	-9	-12	-15	-15	-16	-18	-21	-22	4190	8	6	6	6	6	6	6	6	6
3660	-15	-10	-9	-7	-7	-4	-4	-7	-9	-11	4200	21	25	29	31	30	37	35	34	30
3670	-13	-13	-17	-18	-17	-16	-20	-22	-26	-22	4210	29	27	27	27	27	32	32	32	37
3680	-21	-23	-27	-26	-26	-27	-30	-33	-37	-33	4220	37	36	36	36	36	41	41	41	48
3690	7	5	2	2	2	-9	-14	-17	-21	-21	4230	14	13	10	9	6	6	6	6	9
3700	-18	-18	-13	-6	2	30	51	41	17	21	4240	5	4	3	3	3	3	3	3	3
3710	55	58	63	60	72	22	30	54	55	53	4250	-7	-5	-4	-4	-4	-4	-4	-4	-4
3720	54	54	53	51	53	63	65	66	64	64	4260	10	10	10	10	10	10	10	10	10
3730	62	64	62	59	51	44	42	42	32	18	4270	18	19	20	25	32	37	38	37	36
3740	11	0	-19	-36	-43	-54	-60	-66	-66	-65	4280	36	35	28	25	20	20	14	10	13

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-634 U-0)

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4290	20	24	27	33	44	51	51	49	44	44
4300	44	40	43	38	38	35	34	35	34	32
4310	30	30	30	30	25	25	25	15	15	16
4320	5	0	0	-6	-6	-9	-9	-9	-9	-9
4330	0	0	0	0	0	4	11	18	18	18
4340	25	30	42	40	40	45	44	47	48	48
4350	48	45	44	37	35	27	17	13	10	10
4360	7	3	3	-2	-3	-5	-11	-15	-21	-21
4370	-29	-34	-40	-40	-44	-48	-47	-46	-42	-42
4380	33	34	36	36	32	34	34	27	34	34
4390	39	39	38	36	36	34	34	35	39	39
4400	46	49	54	50	40	41	42	41	58	58
4410	55	54	51	50	48	47	47	47	47	47
4420	47	47	49	50	53	53	53	50	47	37
4430	30	21	15	13	5	5	5	0	0	0
4440	-10	-15	-18	-20	-18	-11	-11	-8	-6	-8
4450	3	6	9	17	17	20	20	20	23	23
4460	15	16	17	16	16	19	17	17	17	17
4470	15	16	17	16	16	19	17	17	17	17
4480	-23	-22	-22	-18	-18	-18	-21	-22	-24	-20
4490	0	0	0	0	0	-1	-1	0	0	0
4500	9	10	13	13	17	23	26	28	28	33
4510	39	45	48	53	55	63	67	64	64	64
4520	64	64	64	62	62	59	54	51	47	42
4530	38	37	36	32	32	30	28	26	26	26
4540	14	7	-4	-19	-21	-23	-20	-20	-20	-20
4550	14	7	-4	-19	-21	-23	-20	-20	-20	-20
4560	-32	-26	-21	-19	-16	-12	-12	-6	0	0
4570	6	6	12	12	12	12	12	12	12	12
4580	3	6	19	13	15	16	18	20	23	24
4590	23	21	19	17	15	10	8	11	12	12
4600	4	-15	-16	-16	-12	-10	-8	-11	-12	-13
4610	-19	-19	-19	-16	-16	-16	-16	-16	-16	-16
4620	8	13	18	23	25	26	26	26	26	26
4630	8	13	18	23	25	26	26	26	26	26
4640	25	23	21	21	21	21	21	21	21	21
4650	23	23	23	23	25	25	25	25	25	25
4660	32	29	27	26	32	33	33	33	33	33
4670	14	12	12	13	13	20	20	20	20	20
4680	31	35	43	44	47	48	47	53	54	53
4690	52	49	36	34	28	24	22	23	23	23
4700	26	30	32	35	37	40	40	40	40	40
4710	17	17	17	17	17	17	17	17	17	17
4720	-17	-17	-19	-21	-26	-27	-27	-27	-27	-27
4730	-20	-20	-20	-16	-12	-12	-12	-12	-12	-12
4740	16	23	26	29	29	29	29	29	29	29
4750	30	31	34	34	40	40	40	40	40	40
4760	53	56	58	58	56	52	44	41	31	17
4770	10	5	5	-14	-19	-22	-22	-22	-22	-22
4780	-22	-21	-22	-20	-17	-12	-12	-6	0	0
4790	2	3	6	6	5	5	5	5	5	5
4800	6	6	9	14	17	20	20	20	21	21
4810	18	18	18	18	18	20	20	20	21	21
4820	21	20	20	23	26	30	30	31	33	33

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	26	26	23	23	27	30	34	34	34	34
5380	34	34	34	34	32	30	26	23	20	20
5390	20	20	20	20	20	19	16	16	16	17
5400	16	15	15	15	15	14	14	14	14	13
5410	18	20	20	20	20	20	20	18	14	14
5420	12	9	5	2	0	0	0	0	0	0
5430	0	1	5	8	11	14	14	16	18	24
5440	28	29	29	29	29	27	23	20	20	20
5450	20	20	21	20	18	16	16	16	16	19
5460	24	28	31	34	39	42	41	41	42	37
5470	34	32	29	30	29	29	30	27	29	31
5480	34	37	40	41	43	45	46	47	50	51
5490	51	51	51	51	50	52	54	54	54	54
5500	53	47	44	41	37	34	30	27	24	24
5510	22	22	20	20	14	14	13	11	9	6
5520	5	5	0	-2	-2	-2	-3	-3	-3	-2
5530	-1	-2	-2	-1	-1	-1	-1	0	0	0
5540	0	2	8	12	12	12	13	16	19	23
5550	24	26	27	29	29	29	29	29	30	33
5560	36	36	37	40	44	49	53	53	53	53
5570	54	54	52	51	50	47	44	44	44	45
5580	45	45	47	47	49	49	49	48	44	44
5590	39	33	25	19	10	5	1	-4	-4	-4
5600	-4	-4	-6	-6	-6	-6	-6	-6	-6	-4
5610	-3	0	2	2	2	4	6	9	13	17
5620	20	23	27	29	31	33	34	37	36	36
5630	37	37	40	41	44	49	53	55	59	62
5640	61	61	59	59	55	54	51	47	44	40
5650	56	50	23	14	9	2	-3	-7	-7	-7
5660	-7	-7	-6	-5	-5	-6	-5	-5	-5	-5
5670	-5	-5	-5	-5	-5	-6	-5	-5	-4	-3
5680	-2	-2	-1	0	7	9	11	15	17	20
5690	20	23	27	34	37	37	37	37	37	36
5700	34	32	28	24	22	20	20	20	20	20
5710	20	20	20	21	23	25	29	32	34	36
5720	40	47	53	56	56	54	50	47	46	46
5730	44	44	40	41	41	40	40	37	34	34
5740	34	34	34	35	36	37	34	32	30	30
5750	24	24	23	23	18	14	9	4	1	0
5760	-5	-4	-5	-5	-4	-4	-5	-2	0	0
5770	2	5	9	10	13	13	15	16	16	16
5780	18	20	21	23	23	23	25	26	27	27
5790	29	30	33	37	39	40	40	40	40	40
5800	40	34	30	27	25	23	24	24	24	24
5810	43	23	23	24	24	25	27	27	28	30
5820	34	34	35	34	35	35	35	34	34	36
5830	39	39	39	39	40	46	55	54	54	54
5840	54	55	54	47	43	39	34	30	27	24
5850	24	24	24	24	24	24	24	24	24	24
5860	24	23	20	20	16	14	13	9	10	10
5870	10	10	12	13	17	20	25	27	30	34
5880	38	41	44	46	46	46	46	46	46	46
5890	44	42	40	35	34	30	30	30	29	29
5900	27	25	25	25	23	23	23	23	24	23

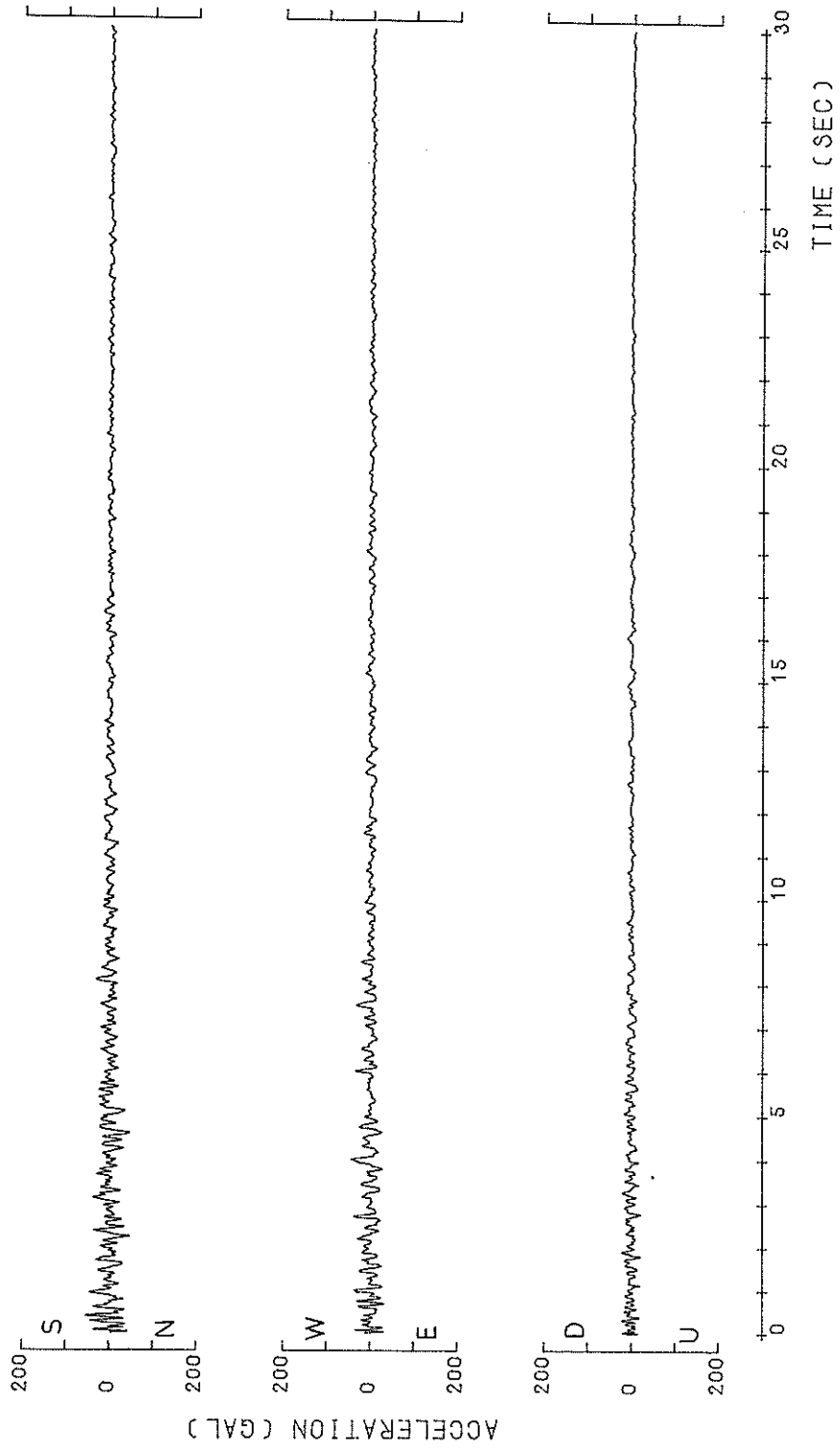
TO BE CONTINUED

CONTINUED(S-634 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5910	23	23	24	23	23	22	22	21	20	16
5920	13	13	13	13	13	13	13	13	13	14
5930	14	14	14	14	14	14	14	14	14	14
5940	14	14	14	13	10	7	5	3	0	0
5950	0	0	0	3	5	8	12	16	19	25
5960	28	29	30	29	27	24	23	23	22	22
5970	22	22	22	22	24	24	24	24	28	28
5980	28	28	28	28	28	28	28	28	31	32
5990	29	29	29	32	34	34	34	34	34	37

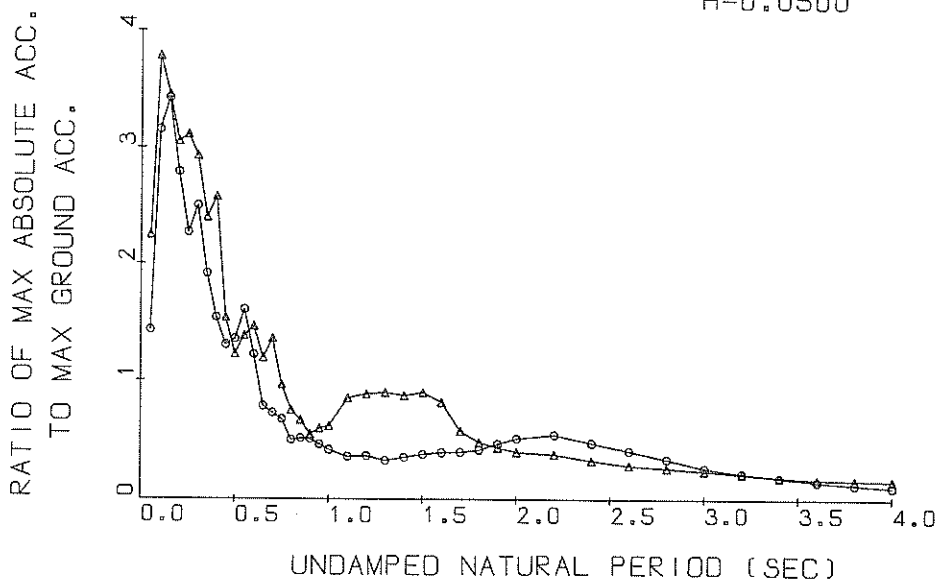
END

S-669 HACHINOHE-S 1972-03-20-00-58



S-669 HACHINOHE-S
1972-03-20-00-58

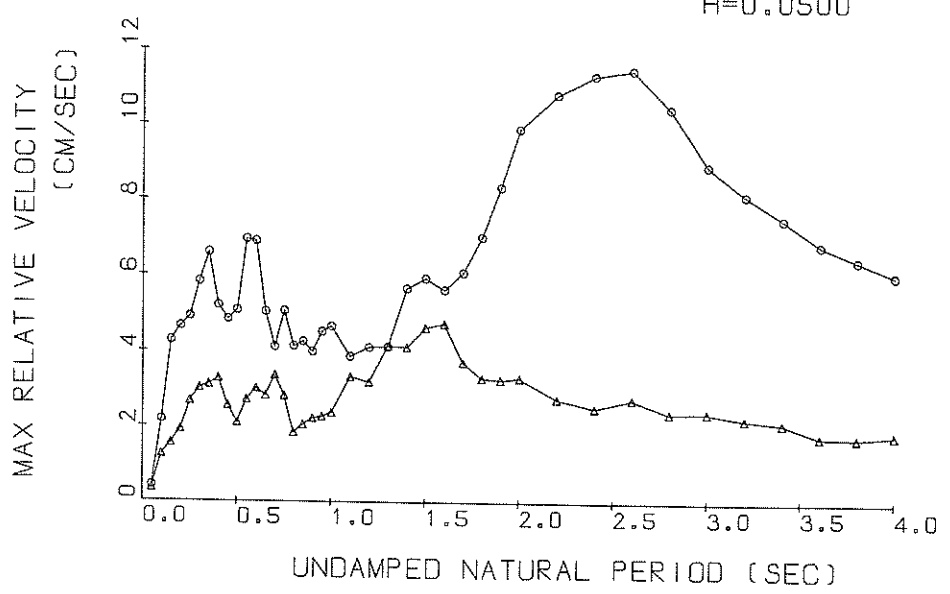
○ N-S
△ U-D
H=0.0500



Response Spectra

S-669 HACHINOHE-S
1972-03-20-00-58

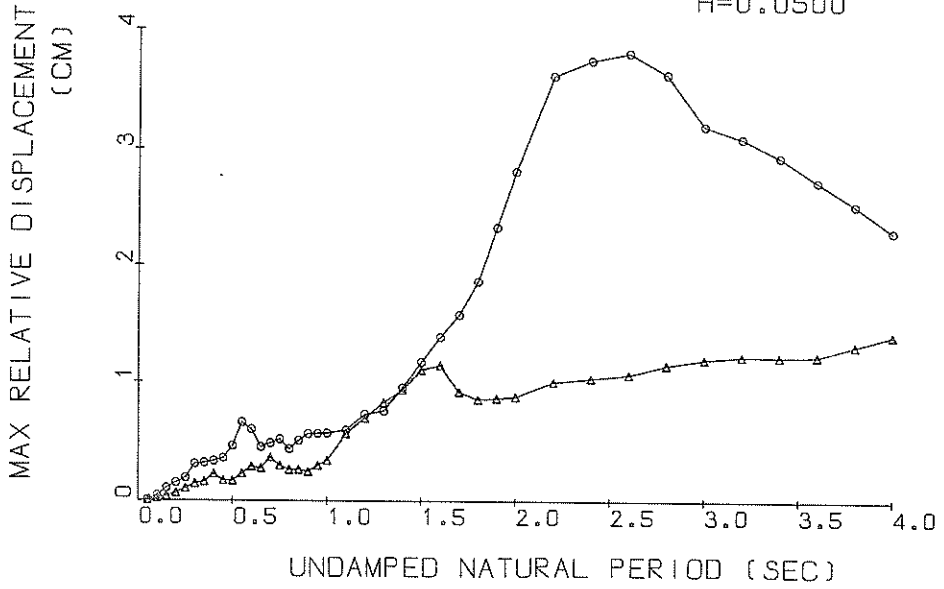
○ N-S
△ U-D
H=0.0500



Response Spectra

S-669 HACHINOHE-S
 1972-03-20-00-58

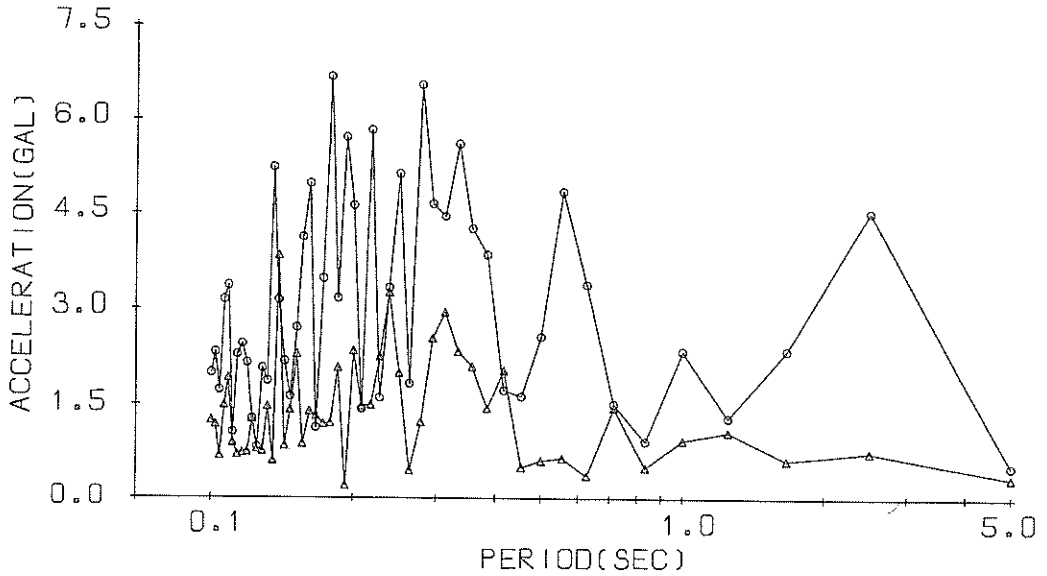
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-669

○ N-S TSK=0.00 TUS=5.00
 △ U-D TSK=0.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-669 CORPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ABC.ERR. STATION = HACHINOHE-S
 DATE AND TIME = SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 21.76 (GAL)
 TIME LENGTH = 25.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	98.6	0.64	0.006	56.7	0.41	0.004	48.9	0.35	0.003	37.1	0.27	0.002	28.4	0.18	0.002					
0.10	228.4	3.51	0.058	114.4	1.80	0.029	82.3	1.26	0.021	55.5	0.80	0.014	35.7	0.44	0.008					
0.15	274.3	6.43	0.156	92.0	2.09	0.052	75.3	1.56	0.042	58.6	1.08	0.033	36.2	0.56	0.020					
0.20	215.3	6.26	0.218	95.4	2.88	0.096	66.5	1.92	0.066	46.4	1.29	0.046	36.8	0.86	0.034					
0.25	159.8	6.26	0.253	84.9	3.57	0.135	67.8	2.67	0.106	50.6	1.87	0.078	33.4	1.16	0.047					
0.30	167.4	8.32	0.404	93.1	4.35	0.212	63.8	3.02	0.145	44.7	2.02	0.100	27.9	1.25	0.057					
0.35	169.7	9.11	0.527	74.8	4.28	0.232	52.3	3.11	0.162	35.7	2.20	0.108	22.6	1.30	0.063					
0.40	100.8	6.08	0.408	75.0	4.66	0.303	56.2	3.27	0.226	35.6	2.06	0.142	20.5	1.32	0.074					
0.45	59.6	4.30	0.306	41.7	3.25	0.214	33.3	2.55	0.170	27.3	1.81	0.138	18.1	1.24	0.085					
0.50	81.6	6.37	0.517	32.8	2.66	0.208	26.6	2.10	0.168	22.0	1.64	0.137	16.4	1.16	0.097					
0.55	69.4	5.87	0.531	40.8	3.36	0.312	30.1	2.71	0.229	22.1	1.92	0.166	15.2	1.23	0.104					
0.60	63.6	6.01	0.580	39.5	3.82	0.359	31.7	3.01	0.288	22.1	2.02	0.197	14.1	1.25	0.115					
0.65	36.4	3.73	0.390	31.0	3.29	0.331	25.9	2.62	0.276	20.8	2.11	0.218	13.4	1.23	0.131					
0.70	93.3	10.23	1.158	40.0	4.61	0.497	24.5	3.36	0.364	19.9	2.27	0.242	12.9	1.22	0.145					
0.75	30.8	3.75	0.439	24.6	3.29	0.350	20.9	2.81	0.296	16.4	2.14	0.227	11.9	1.28	0.152					
0.80	46.3	5.75	0.750	18.4	2.27	0.297	16.3	1.84	0.262	13.6	1.76	0.211	10.9	1.31	0.156					
0.85	26.4	3.74	0.483	16.2	2.27	0.295	14.5	2.05	0.262	12.2	1.71	0.212	10.1	1.31	0.161					
0.90	25.0	3.40	0.514	14.5	2.43	0.297	12.0	2.22	0.244	10.8	1.87	0.217	9.7	1.33	0.174					
0.95	22.0	3.74	0.503	15.5	2.46	0.353	13.1	2.27	0.298	11.0	1.93	0.247	9.8	1.36	0.198					
1.00	33.9	5.60	0.858	16.9	3.04	0.427	13.5	2.37	0.340	11.0	1.93	0.273	10.0	1.39	0.223					
1.10	46.5	8.09	1.424	25.9	4.69	0.794	18.6	3.32	0.566	12.0	2.21	0.358	10.4	1.52	0.278					
1.20	51.2	9.77	1.867	24.6	4.41	0.895	19.2	3.18	0.698	14.5	2.38	0.519	10.6	1.60	0.332					
1.30	45.0	9.25	1.926	25.5	5.48	1.088	19.5	4.14	0.830	14.6	3.03	0.612	10.2	1.76	0.372					
1.40	38.6	9.05	1.918	22.9	5.19	1.138	19.0	4.11	0.936	14.0	3.22	0.681	9.5	1.91	0.398					
1.50	39.7	9.68	2.264	26.3	5.96	1.495	19.5	4.63	1.107	14.2	3.52	0.795	8.3	2.09	0.439					
1.60	28.7	7.44	1.863	22.0	5.68	1.425	17.8	4.73	1.144	13.0	3.57	0.817	8.9	2.14	0.467					
1.70	21.4	5.61	1.570	14.5	4.17	1.058	12.6	3.71	0.919	10.3	3.12	0.730	8.2	2.09	0.479					
1.80	12.6	3.96	1.037	11.2	3.48	0.921	10.5	3.29	0.858	8.9	2.84	0.720	7.4	2.00	0.478					
1.90	11.0	3.53	1.006	10.3	3.42	0.941	9.6	3.25	0.867	8.2	2.84	0.727	6.6	1.95	0.485					
2.00	11.7	4.07	1.184	10.0	3.64	1.008	8.8	3.30	0.881	7.3	2.80	0.712	6.0	1.95	0.526					
2.10	10.6	3.78	1.296	9.3	3.19	1.131	8.3	2.75	1.007	7.2	2.29	0.834	5.8	1.83	0.589					
2.20	9.5	3.35	1.380	8.1	2.88	1.182	7.2	2.52	1.037	6.2	2.02	0.847	5.4	1.66	0.629					
2.30	7.5	3.68	1.280	6.8	3.16	1.166	6.3	2.74	1.073	5.5	2.15	0.932	5.1	1.54	0.712					
2.40	6.9	3.01	1.378	6.3	2.57	1.253	5.8	2.38	1.150	5.2	2.09	0.994	4.7	1.61	0.779					
3.00	6.1	2.96	1.402	5.7	2.56	1.291	5.3	2.39	1.199	4.8	2.11	1.056	4.3	1.64	0.827					
3.20	5.6	2.85	1.451	5.1	2.47	1.327	4.8	2.22	1.225	4.3	2.02	1.068	4.0	1.62	0.886					
3.40	4.8	2.55	1.392	4.5	2.31	1.300	4.2	2.12	1.223	3.9	1.85	1.103	3.7	1.57	0.937					
3.60	4.0	1.86	1.326	3.9	1.83	1.274	3.8	1.78	1.228	3.6	1.70	1.146	3.6	1.53	0.985					
3.80	3.9	1.87	1.425	3.8	1.81	1.370	3.6	1.75	1.319	3.5	1.65	1.227	3.4	1.50	1.044					
4.00	3.7	1.96	1.515	3.6	1.90	1.459	3.5	1.83	1.406	3.3	1.72	1.310	3.3	1.47	1.114					

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD - S-669 COMPONENT - U-D STATION - HACHIOHE-S
 DATE AND TIME - 1972-03-20-00-58 TOTAL NUMBER OF DATA - 3000
 SAMPLING INTERVAL - 0.10 (SEC) UNIT - 0.1 GAL
 SIGNAL - GR.ACC. CORRECTION - ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	U-D	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	104	-156	80	201	146	-36	-92	62	65	82		88	69	64	58	52	48	48	49	52	56
10	78	44	-20	-87	-89	-24	-84	-37	-40	-93		57	34	57	34	-14	-58	-69	-60	-43	-21
20	73	39	115	133	126	92	-22	-105	-48	-56		-20	-23	-23	-22	8	38	84	120	132	140
30	150	206	206	173	104	4	-12	-127	-191	-172		350	129	120	115	104	4	10	9	12	37
40	-121	-17	66	93	94	0	86	69	17	37		350	105	150	150	-124	-110	-102	-100	-102	-99
50	115	148	149	119	41	-69	-97	-117	-94	-17		370	-89	-140	-37	6	38	72	101	115	131
60	18	90	135	141	126	93	3	-60	-49	-40		380	139	153	103	42	-6	-22	-30	-29	-32
70	-46	-29	58	100	103	57	-20	-64	-55	-48		390	-11	14	65	79	82	-44	-49	-56	-8
80	-41	-44	-30	53	78	103	97	124	144	144		400	-16	-34	-41	-46	-45	-44	-49	-56	-8
90	140	114	58	7	-7	-31	-33	-12	124	71		410	46	25	-13	-40	-48	-40	-26	-3	42
100	77	73	71	55	4	-9	-14	-11	-25	-66		420	52	59	58	50	43	38	38	39	41
110	-148	-187	-175	-124	-29	35	63	62	55	-68		430	42	31	4	-51	-61	-52	-17	12	42
120	42	44	44	40	26	25	39	49	57	58		440	75	84	90	89	84	77	58	23	12
130	34	-5	40	-89	-92	-86	-83	-71	-25	-48		450	0	77	38	80	110	125	133	129	115
140	82	92	90	95	92	68	-13	-98	-115	-133		460	88	70	76	80	87	91	97	99	87
150	-135	-130	-109	-58	-51	-40	13	100	130	128		470	-24	-45	-44	-72	-71	-64	-57	-50	-43
160	135	117	94	91	82	62	43	52	120	128		480	-36	-34	-40	-41	-46	-43	-34	-25	-20
170	141	144	140	118	63	40	-80	-125	-177	-218		490	9	30	46	60	79	93	104	104	101
180	-194	-119	-20	33	43	40	-50	-135	-188	-217		500	62	32	15	0	-14	-31	-67	-85	-97
190	213	207	172	89	29	10	-25	-68	-63	-30		510	-95	-92	-86	-91	-84	-93	-85	-81	-71
200	5	24	16	81	59	96	63	69	21	0		520	43	43	49	57	68	76	78	73	65
210	-26	-51	-50	-40	-18	-1	-12	-44	-71	-86		530	-11	-11	-25	-14	9	41	56	51	28
220	-85	-88	-71	-31	-21	-20	-30	-55	-57	-62		540	-68	-94	-105	-102	-92	-62	-62	-22	0
230	-22	73	97	114	167	84	59	57	59	58		550	28	28	22	11	7	1	1	6	13
240	-1	-57	-51	16	23	22	82	109	121	124		560	-32	-68	-94	-105	-102	-92	-62	-22	0
250	-32	93	50	36	43	170	123	125	118	75		570	24	28	22	11	7	1	1	6	13
260	119	93	50	36	43	170	123	125	118	75		580	32	28	22	11	7	1	1	6	13
270	24	-13	-49	-66	-114	-146	-165	-203	-184	-103		590	32	28	22	11	7	1	1	6	13
280	-64	34	51	84	100	98	93	82	77	37		600	32	28	22	11	7	1	1	6	13
290	114	140	151	147	137	118	93	82	77	37		610	32	28	22	11	7	1	1	6	13
300	-58	-80	-70	-73	-29	-2	62	89	114	114		620	32	28	22	11	7	1	1	6	13
310	117	107	86	20	-28	-106	-63	-89	-21	22		630	32	28	22	11	7	1	1	6	13
320	69	69	89	105	143	190	202	202	200	176		640	32	28	22	11	7	1	1	6	13
330	97	69	48	38	26	10	-12	-12	-20	-20		650	32	28	22	11	7	1	1	6	13
340	-26	26	-38	-95	-152	-160	-91	-75	-58	-54		660	32	28	22	11	7	1	1	6	13
350	17	75	123	142	145	133	44	32	6	-44		670	32	28	22	11	7	1	1	6	13
360	-12	-12	-12	40	20	42	42	42	42	42		680	32	28	22	11	7	1	1	6	13
370	-73	-82	-48	-61	-50	-55	-9	76	125	140		690	32	28	22	11	7	1	1	6	13
380	141	140	137	10	-93	-127	-162	-131	24	42		700	32	28	22	11	7	1	1	6	13
390	-4	-3	-10	-93	-150	-151	-151	-151	74	82		710	32	28	22	11	7	1	1	6	13
400	42	52	51	50	51	50	51	51	51	51		720	32	28	22	11	7	1	1	6	13
410	73	80	104	115	109	93	39	21	23	-63		730	32	28	22	11	7	1	1	6	13
420	29	33	-1	-51	-101	-121	-120	-104	-53	-83		740	32	28	22	11	7	1	1	6	13
430	-60	-78	-81	-90	-79	-70	-41	48	51	1		750	32	28	22	11	7	1	1	6	13
440	53	440	70	75	70	73	57	44	48	51		760	32	28	22	11	7	1	1	6	13
450	26	25	21	16	15	32	42	42	30	20		770	32	28	22	11	7	1	1	6	13
460	6	460	4	64	81	59	84	102	160	91		780	32	28	22	11	7	1	1	6	13
470	40	-93	-85	-66	31	59	84	102	160	91		790	32	28	22	11	7	1	1	6	13
480	55	55	3	3	3	3	12	37	72	68		800	32	28	22	11	7	1	1	6	13
490	95	94	87	55	3	-33	-52	-68	-72	-73		810	32	28	22	11	7	1	1	6	13
500	-68	-54	-21	35	100	147	162	161	150	111		820	32	28	22	11	7	1	1	6	13

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-669 U-D)

CONTINUED(S-669 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	31	41	46	46	42	32	24	16	15	29
1060	48	64	79	65	85	81	67	40	8	0
1070	0	0	0	0	16	17	18	7	-10	-17
1080	-17	-12	-8	-16	-3	-3	-7	-10	-29	-27
1090	-14	-11	16	16	22	18	10	-2	-7	-10
1100	-10	-11	13	-27	-55	-66	-66	-46	-35	-35
1110	-27	-22	-17	-14	-11	-8	-2	8	17	24
1120	29	26	27	24	24	28	31	31	32	29
1130	26	21	19	11	6	-10	-20	-24	-10	24
1140	59	45	41	25	43	77	-14	-14	-3	6
1150	20	31	42	35	43	37	26	7	-4	-7
1160	-9	-4	15	38	52	64	76	68	46	34
1170	11	-9	-17	-9	-14	-11	-4	0	4	6
1180	6	2	0	-3	-6	-9	-11	-10	-6	-2
1190	-2	1	8	16	20	26	26	28	30	31
1200	31	29	31	31	31	32	32	32	34	34
1210	33	33	30	26	26	22	19	22	27	27
1220	22	20	18	19	19	19	19	22	27	27
1230	-11	-18	-22	-4	11	-11	-10	-11	-16	-4
1240	-30	-30	-38	-4	-20	-10	-10	-10	-16	-21
1250	31	37	41	33	54	10	3	3	11	22
1260	25	47	63	80	60	92	92	87	77	77
1270	56	6	-5	-18	-20	-14	-7	-4	0	2
1280	4	4	4	-1	-10	-17	-4	-8	0	11
1290	21	41	42	41	35	31	13	-4	-21	-31
1300	-33	-34	-26	-27	-3	4	11	14	12	-2
1310	-18	-3	-1	-50	-16	-10	-4	0	4	3
1320	3	-1	-28	-28	-64	-45	-45	-36	-30	-30
1330	-15	4	31	42	42	36	35	32	32	31
1340	31	30	30	30	32	32	32	32	31	31
1350	38	41	48	54	63	72	79	80	81	81
1360	80	80	78	72	59	44	32	21	14	10
1370	9	7	5	0	-3	-5	-5	-10	-10	-6
1380	-3	-2	-1	-2	-7	-6	0	4	10	10
1390	6	2	0	-3	-1	6	8	8	8	8
1400	6	2	0	-12	-10	6	2	7	7	4
1410	2	0	-1	0	11	11	16	19	19	19
1420	17	15	16	22	37	45	49	48	39	31
1430	27	30	32	32	32	27	27	28	17	9
1440	7	-7	-7	-38	-65	-67	-53	-58	-53	-47
1450	-40	-37	-40	-60	-67	-61	-53	-51	-9	7
1460	23	32	35	35	39	39	22	27	27	27
1470	23	19	25	39	51	63	63	68	62	54
1480	43	39	38	42	49	65	63	68	101	98
1490	96	93	90	85	82	95	69	55	39	37
1500	32	26	19	85	82	75	-64	-34	-40	-40
1510	-40	-31	-21	-22	-28	-31	-24	-34	-45	-51
1520	-55	-58	-61	-61	-39	-34	-55	-34	-21	-1
1530	12	19	26	32	39	50	52	48	45	45
1540	35	29	22	23	25	31	33	31	25	25
1550	20	11	7	6	7	9	6	6	0	0
1560	-4	-7	-10	-9	-8	-7	-4	-4	-2	-2
1570	-2	-1	0	0	0	-1	-2	-4	-8	-10
1580	-7	-3	0	4	3	0	-2	-2	2	18

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-669 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-10	-10	-10	-10	-11	-10	-10	-10	-9	-9
2140	-9	0	0	22	16	23	27	27	23	18
2150	17	17	23	22	22	18	22	20	22	22
2160	25	26	29	29	50	24	17	10	0	0
2170	-6	-7	-7	-7	-11	-10	-10	-10	-11	-11
2180	-10	0	0	2	4	5	5	7	7	7
2190	12	20	27	27	4	30	32	37	38	38
2200	39	36	40	40	31	24	19	16	11	11
2210	10	10	10	10	-24	-24	-24	-29	-10	2
2220	25	25	11	11	13	12	15	15	17	19
2230	0	0	0	0	-13	-7	-10	-10	4	5
2240	9	17	17	17	18	19	2	3	2	8
2250	15	17	17	17	10	19	16	6	6	6
2260	5	8	16	19	23	24	24	24	24	24
2270	27	27	27	29	29	29	31	32	32	32
2280	14	2	-8	-12	-16	-20	-20	-14	-8	-4
2290	-3	-1	-1	-1	-16	-31	-34	-34	-34	-34
2300	-34	-30	-22	-17	-10	-7	-3	9	15	15
2310	20	20	20	20	22	17	23	26	26	30
2320	30	30	30	30	31	30	24	24	24	24
2330	25	25	25	28	29	30	30	30	30	25
2340	22	19	14	11	8	7	1	-2	-2	-2
2350	-7	-10	-5	-2	-1	0	1	1	1	2
2360	3	1	0	0	4	0	10	14	14	14
2370	11	1	6	0	-3	-7	-11	-10	-11	-11
2380	-11	-7	-1	0	3	7	8	8	11	15
2390	17	24	29	35	34	35	35	34	27	24
2400	23	22	22	21	21	19	18	15	15	15
2410	29	29	29	29	29	32	32	32	32	32
2420	14	27	26	26	26	26	26	26	20	16
2430	10	14	11	10	10	11	10	11	11	12
2440	10	7	5	7	14	21	28	31	32	31
2450	29	24	18	14	10	8	7	6	6	6
2460	0	2	0	0	-5	-6	-6	-2	-2	4
2470	8	12	16	6	3	0	-7	-7	-4	7
2480	7	16	10	6	1	-17	-31	-32	-25	-14
2490	-1	1	11	15	17	17	19	22	22	22
2500	22	22	22	22	22	22	22	22	22	22
2510	47	37	22	29	35	38	42	44	48	48
2520	4	5	15	15	10	8	7	5	5	6
2530	32	32	11	24	27	29	32	32	32	32
2540	14	14	14	14	14	15	10	0	0	8
2550	14	20	23	24	27	30	38	39	38	38
2560	20	26	23	24	27	30	38	39	38	38
2570	35	35	35	39	42	42	42	42	34	32
2580	27	27	5	3	4	9	12	14	18	22
2590	22	23	14	13	10	4	6	10	11	11
2600	19	19	19	19	16	16	16	16	16	16
2610	21	21	18	15	16	16	16	16	16	16
2620	21	9	7	5	4	3	3	0	-3	-3
2630	-16	-1	9	-21	-21	-21	-21	-21	-21	-21
2640	-1	-14	-10	-4	-3	-4	-4	-11	-17	-24
2650	-23	-34	-38	-42	-42	-43	-43	-38	-35	-32
2660										

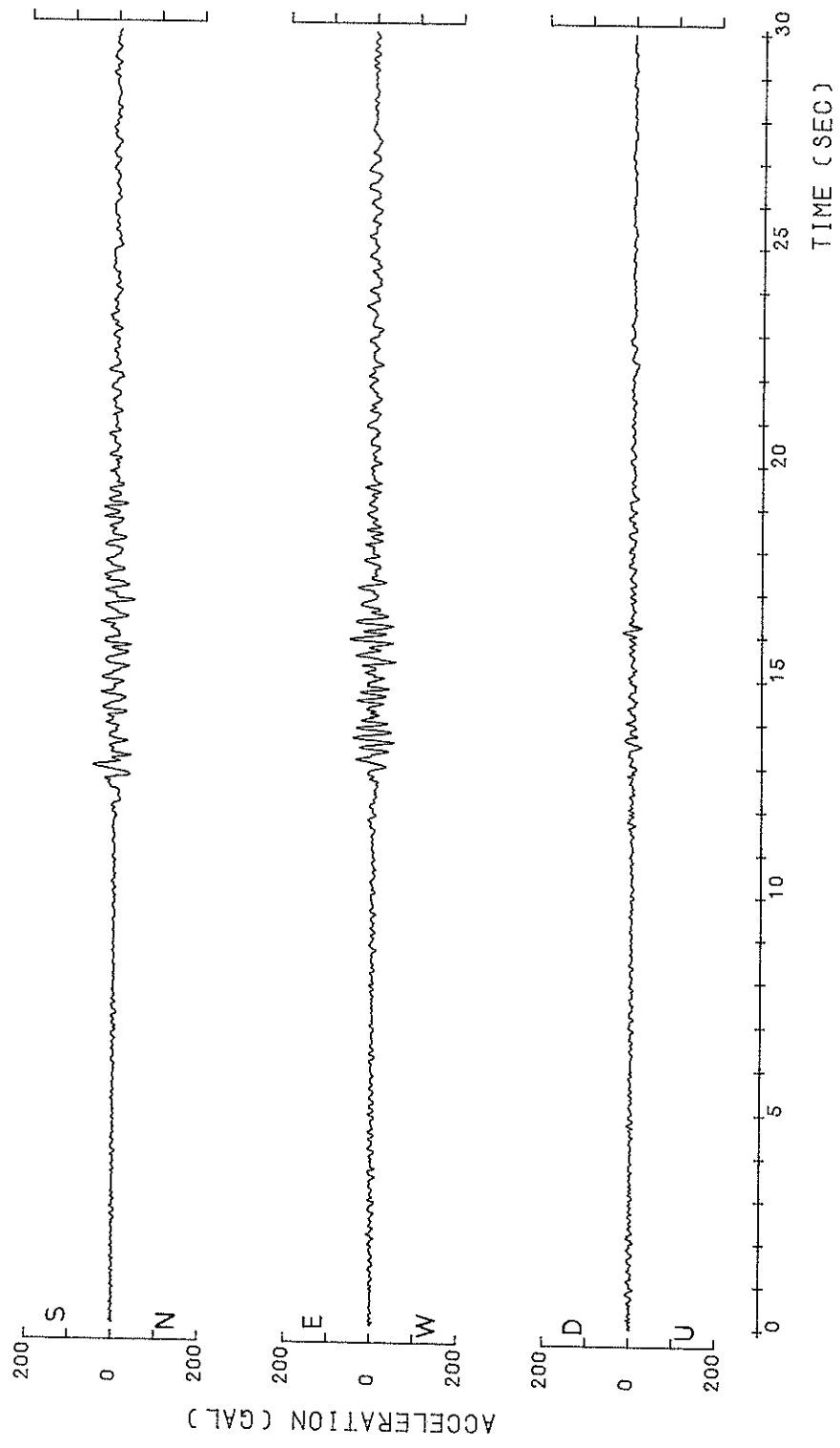
TO BE CONTINUED

CONTINUED(S-669 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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2680	16	7	10	16	22	27	32	36	42	47
2690	47	40	31	20	6	-1	0	0	8	13
2700	13	13	12	12	12	16	20	20	20	20
2710	18	14	10	6	6	0	3	3	4	4
2720	15	18	18	22	19	16	10	9	9	24
2730	23	23	23	23	24	24	23	24	24	24
2740	23	24	11	8	0	0	-3	-3	-3	-3
2750	-6	-14	-14	-10	-10	-10	-10	-10	-10	-14
2760	19	20	20	23	23	23	23	23	27	29
2770	19	20	32	33	33	32	33	33	37	36
2780	32	32	32	24	22	19	14	10	7	4
2790	32	31	24	24	22	19	14	10	7	4
2800	0	-3	-3	-2	2	8	8	8	8	8
2810	17	19	29	32	35	41	36	29	22	17
2820	11	10	10	13	13	15	16	17	16	10
2830	10	10	10	13	13	14	15	16	16	10
2840	9	11	11	12	14	18	18	19	19	20
2850	15	15	18	16	14	14	14	14	13	14
2860	19	17	12	10	7	6	6	6	6	6
2870	14	7	4	-1	-3	-6	-9	-9	-9	-9
2880	-3	-1	1	1	5	4	8	8	8	2
2890	-1	0	0	0	5	5	12	18	20	22
2900	27	29	30	29	29	32	32	37	39	39
2910	39	38	36	32	28	24	24	27	29	30
2920	30	26	17	14	20	21	23	24	24	24
2930	21	19	17	14	8	8	8	8	9	10
2940	10	6	6	4	1	0	0	0	0	0
2950	11	11	12	10	10	6	4	2	7	8
2960	-14	-18	-18	-18	-11	-4	0	0	-3	-3
2970	6	-6	-6	-18	-14	-11	-11	-11	-11	-11
2980	28	25	18	11	10	8	8	8	10	12
2990	15	9	7	4	1	-2	-4	-8	-13	-18

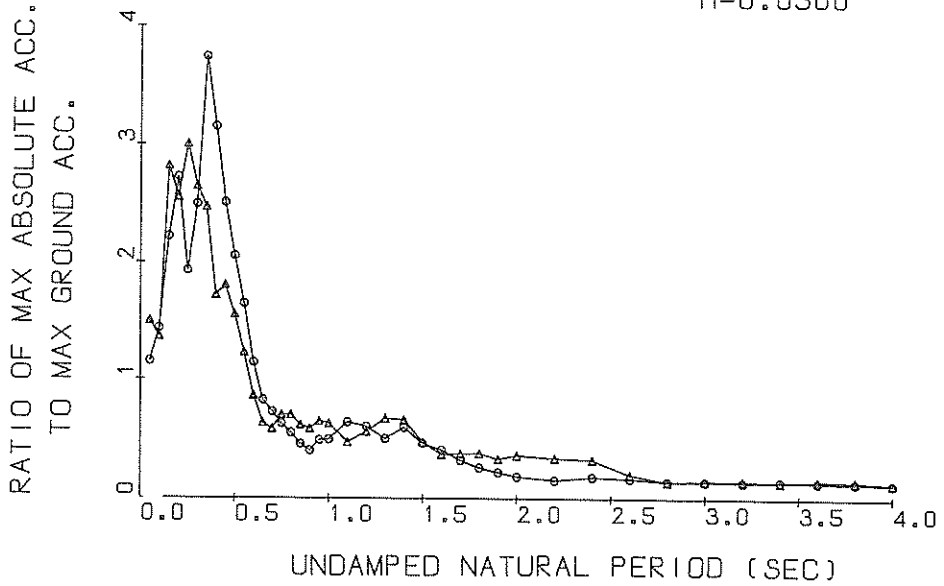
END

S-670 AOMORI-S 1972-03-20-00-58



S-670 ADMORI-S
1972-03-20-00-58

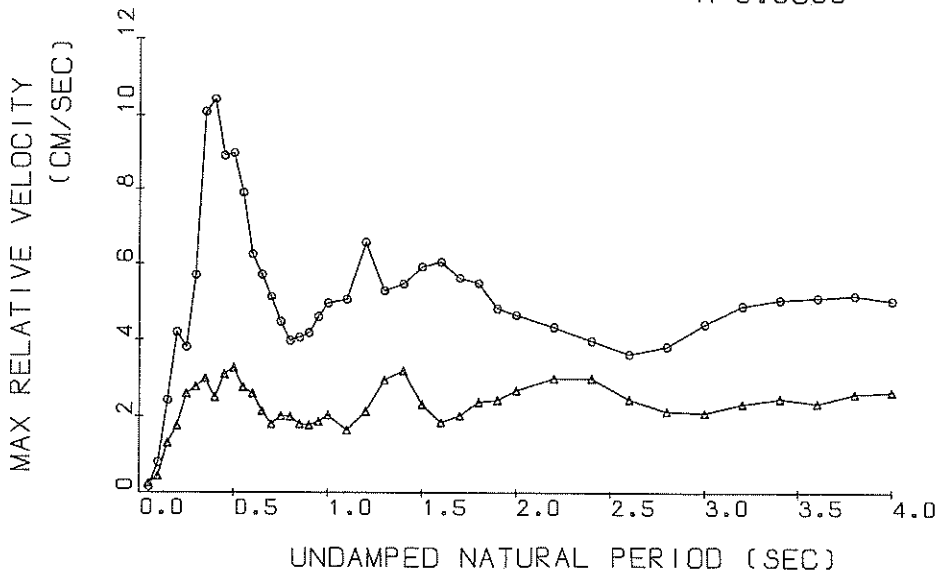
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△ U-D
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Response Spectra

S-670 ADMORI-S
1972-03-20-00-58

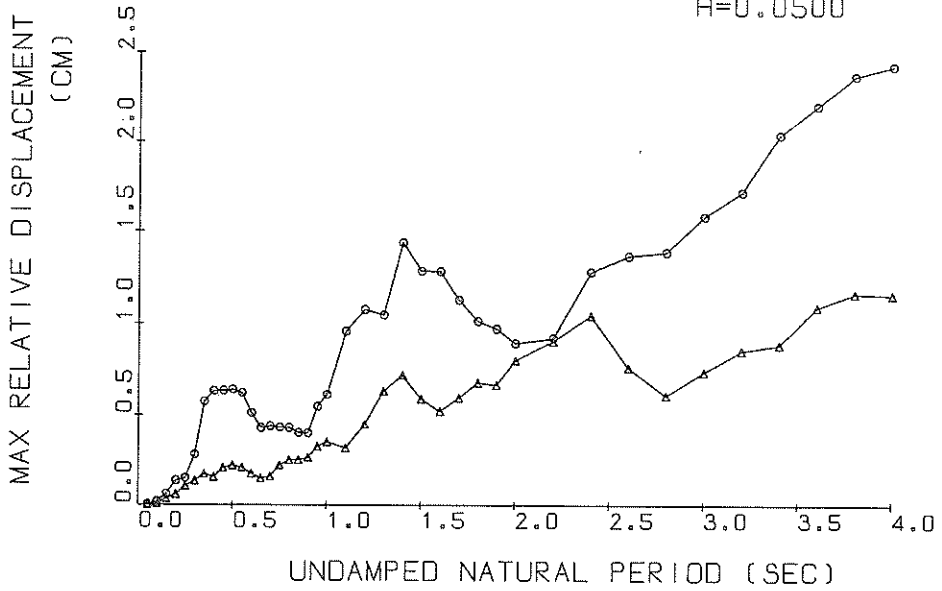
○ N-S
△ U-D
H=0.0500



Response Spectra

S-670 ADMOR I-S
 1972-03-20-00-58

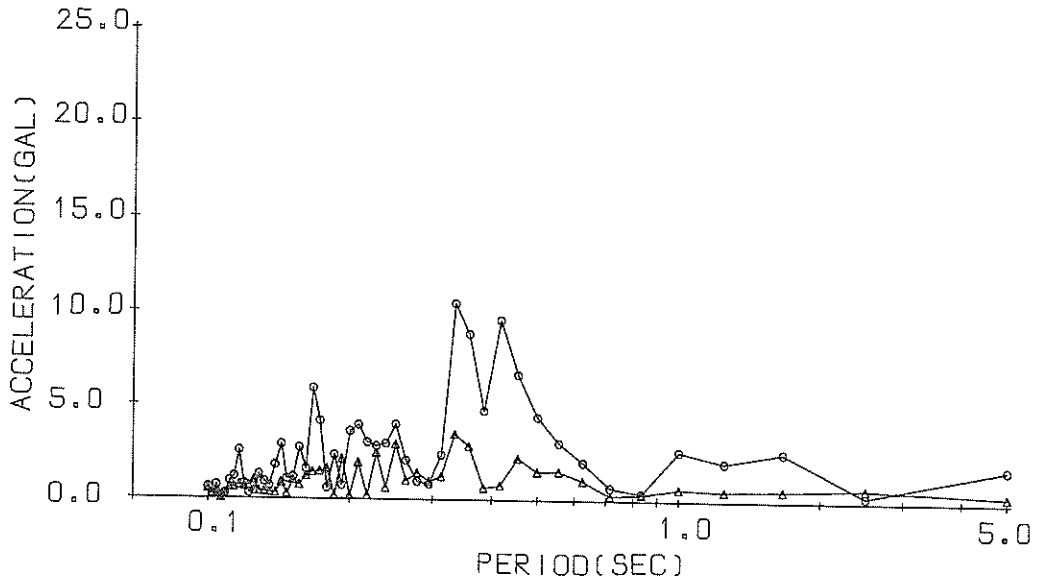
o N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-670

o N-S TSK=12.00 TUS=5.00
 ▲ U-D TSK=12.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-670 COMPONENT = U-D SIGNAL = GR-ACC. CORRECTION = APC-ERR. STATION = AOHORI-S
 DATE AND TIME = 1972-03-20-00-58 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 22.30 (GAL)
 TIME LENGTH = 25.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	77.7	0.58	0.005	40.1	0.29	0.003	33.4	0.24	0.002	27.1	0.20	0.002	24.9	0.17	0.002
0.10	160.6	2.43	0.041	36.8	0.54	0.009	30.4	0.43	0.008	28.2	0.32	0.007	27.4	0.28	0.007
0.15	195.6	4.51	0.111	75.7	1.66	0.043	62.9	1.30	0.036	50.3	0.99	0.028	35.1	0.59	0.019
0.20	180.8	5.10	0.183	70.1	2.12	0.071	57.1	1.76	0.058	43.5	1.32	0.044	35.0	0.90	0.029
0.25	331.9	13.10	0.525	81.6	3.33	0.129	67.0	2.59	0.106	52.3	1.94	0.081	34.3	1.12	0.051
0.30	157.3	7.70	0.359	70.5	3.39	0.160	57.1	2.77	0.133	48.6	2.14	0.109	34.1	1.31	0.070
0.35	130.4	7.35	0.405	77.9	4.60	0.242	55.2	2.98	0.171	39.6	1.90	0.135	30.1	1.45	0.081
0.40	119.3	7.49	0.483	45.9	2.87	0.186	38.4	2.49	0.155	34.1	2.12	0.135	25.8	1.59	0.088
0.45	118.8	8.49	0.609	47.6	3.51	0.244	40.3	3.09	0.205	31.4	2.53	0.157	21.7	1.72	0.096
0.50	64.4	5.46	0.408	41.2	3.70	0.261	34.6	3.26	0.218	27.8	2.66	0.171	20.0	1.73	0.106
0.55	42.5	4.02	0.325	31.0	3.01	0.237	27.4	2.76	0.209	22.9	2.34	0.170	17.2	1.63	0.108
0.60	27.0	3.28	0.247	22.2	2.76	0.202	19.2	2.59	0.173	16.7	2.25	0.147	14.2	1.65	0.102
0.65	37.7	3.78	0.404	15.8	2.21	0.183	14.0	2.14	0.149	12.4	1.99	0.128	11.5	1.60	0.102
0.70	18.2	1.92	0.226	14.8	1.81	0.166	12.9	1.80	0.159	11.2	1.74	0.136	10.8	1.53	0.118
0.75	24.2	3.03	0.344	15.5	2.40	0.258	15.5	2.01	0.220	13.0	1.58	0.181	10.8	1.45	0.134
0.80	20.5	2.81	0.333	17.2	2.28	0.278	15.5	2.00	0.250	13.2	1.62	0.209	10.7	1.38	0.149
0.85	21.1	2.68	0.397	14.6	1.93	0.266	13.7	1.80	0.249	12.5	1.55	0.223	10.4	1.32	0.162
0.90	15.3	2.47	0.313	13.2	1.92	0.270	13.0	1.77	0.264	11.9	1.50	0.238	9.9	1.28	0.172
0.95	23.5	3.26	0.538	17.5	2.25	0.400	14.4	1.86	0.328	11.3	1.55	0.251	9.4	1.26	0.180
1.00	33.9	4.88	0.859	18.2	2.66	0.461	13.9	2.03	0.351	10.7	1.61	0.266	8.9	1.26	0.186
1.10	16.7	2.88	0.512	11.0	1.81	0.338	10.4	1.64	0.318	9.6	1.50	0.290	7.9	1.32	0.197
1.20	24.6	4.36	0.897	14.9	2.58	0.582	12.4	2.13	0.449	9.9	1.85	0.357	7.1	1.43	0.209
1.30	22.0	4.19	0.944	18.4	3.44	0.786	14.9	2.94	0.633	10.5	2.18	0.443	6.3	1.51	0.294
1.40	28.8	6.12	1.428	14.7	4.25	0.975	14.6	3.18	0.720	10.1	2.18	0.492	6.4	1.53	0.290
1.50	12.3	3.15	0.701	11.7	2.51	0.664	10.4	2.31	0.590	8.2	1.85	0.458	6.2	1.49	0.316
1.60	9.5	2.08	0.617	8.4	1.84	0.544	8.1	1.84	0.523	7.0	1.65	0.446	5.8	1.44	0.335
1.70	12.4	3.21	0.906	9.7	2.41	0.709	8.3	2.02	0.596	6.6	1.68	0.468	5.5	1.40	0.352
1.80	14.9	4.64	1.220	10.5	3.08	0.857	8.3	2.37	0.681	6.5	1.74	0.523	5.2	1.37	0.367
1.90	11.2	3.38	1.021	8.8	2.73	0.804	7.4	2.43	0.669	6.0	1.90	0.530	4.9	1.36	0.379
2.00	12.5	4.35	1.266	9.8	3.32	0.986	8.0	2.68	0.804	5.9	1.93	0.574	4.8	1.44	0.390
2.20	13.0	5.16	1.598	9.4	3.67	1.145	7.5	2.99	0.907	5.4	2.24	0.627	4.3	1.63	0.410
2.40	13.0	5.17	1.894	9.3	3.80	1.359	7.2	2.99	1.043	5.0	2.31	0.714	3.6	1.72	0.412
2.60	5.8	2.99	0.985	5.1	2.72	0.868	4.5	2.45	0.765	3.7	2.06	0.611	3.1	1.72	0.418
2.80	3.3	2.05	0.665	3.2	2.16	0.639	3.1	2.14	0.610	3.0	1.96	0.565	2.7	1.68	0.428
3.00	4.8	2.83	1.094	3.5	2.37	0.793	3.3	2.10	0.740	3.0	1.81	0.650	2.5	1.66	0.468
3.20	5.8	3.08	1.505	4.1	2.57	1.057	3.3	2.34	0.855	2.9	2.02	0.720	2.4	1.68	0.500
3.40	5.1	3.05	1.499	3.7	2.73	1.095	3.1	2.48	0.887	2.7	2.13	0.746	2.3	1.74	0.534
3.60	4.6	3.05	1.522	3.9	2.53	1.272	3.4	2.36	1.092	2.4	2.30	0.860	2.2	1.80	0.570
3.80	4.2	3.13	1.537	3.7	2.83	1.332	3.2	2.60	1.168	2.6	2.28	0.930	2.1	1.86	0.594
4.00	3.9	3.04	1.596	3.2	2.84	1.307	2.9	2.65	1.161	2.4	2.36	0.939	1.9	1.89	0.611

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = 5-670 COMPONENT = U-D STATION = AQHORI-S
 DATE AND TIME = 1972-03-20-00-58 TOTAL NUMBER OF DATA = 3000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-32	-12	13	21	3	-20	-26	-32	-27	-34
10	-9	-8	3	24	10	1	-1	-6	-32	-42
20	-4	30	54	53	6	-28	-30	-33	-13	0
30	11	21	26	21	28	32	7	-25	-31	-31
40	-14	0	-10	-10	-20	-21	-14	-10	-2	2
50	6	5	-3	-11	-6	-7	-10	13	30	42
60	50	29	-1	-6	7	-14	-32	-52	-61	-61
70	-62	-61	-50	-43	-24	-5	15	36	62	73
80	74	74	73	59	48	38	37	9	-10	-41
90	-76	-98	-69	-39	-21	1	3	10	-1	0
100	-10	4	12	4	0	1	13	22	26	4
110	56	61	54	43	20	-6	-31	-40	-41	-37
120	-20	-17	-14	-26	-36	-38	-34	-32	-40	-32
130	-39	-16	9	42	50	56	55	35	0	-5
140	-6	0	3	7	1	-7	-20	-29	-32	-33
150	-33	-28	-10	8	22	38	42	47	49	48
160	41	34	48	48	37	15	-9	-21	-37	-45
170	-49	-47	-45	-52	-65	-65	-45	-19	3	19
180	20	20	27	27	44	64	64	55	33	13
190	5	-2	-2	7	8	11	11	4	-12	-52
200	-66	-82	-61	-57	-40	-31	-29	-34	-20	10
210	53	72	70	57	44	32	57	64	63	45
220	8	-15	-36	-55	-56	-56	-50	-36	-20	-14
230	-9	-9	-9	10	20	31	35	26	8	-9
240	-25	-35	-31	-8	7	21	20	21	13	-3
250	-17	-18	-24	-27	-27	-17	-10	-4	6	-4
260	18	36	41	45	42	32	20	7	2	2
270	-22	0	-11	-17	-18	-26	-2	12	24	29
280	2	0	11	11	0	-4	3	12	21	17
290	29	21	11	0	-11	-4	-4	-41	-41	-30
300	8	-13	-32	-40	-41	-41	-41	-41	-41	-41
310	-11	1	19	36	37	34	13	-6	-20	-20
320	-5	14	26	26	26	12	2	-18	-28	-30
330	-22	-8	14	30	34	21	0	-10	-19	-20
340	-20	-3	1	2	3	15	21	21	21	21
350	6	1	-2	-4	-8	-9	-4	10	13	20
360	26	15	-3	-24	-33	-38	-38	-27	-9	2
370	19	28	28	28	21	21	20	21	28	30
380	31	26	16	0	-18	-27	-30	-22	0	0
390	2	3	3	3	9	-3	-4	0	5	6
400	6	6	14	17	9	-2	-7	-7	-6	-9
410	-9	0	10	19	21	7	-6	-11	-16	-16
420	-20	-20	-20	-20	-13	-5	-3	0	0	0
430	10	17	22	27	22	14	6	4	12	14
440	10	0	-11	-26	-36	-41	-45	-51	-50	-15
450	3	15	25	26	16	3	2	-11	-11	-8
460	4	14	24	29	30	26	15	-8	-24	-24
470	-8	7	38	45	78	78	72	49	18	-4
480	-23	-37	-46	-55	-55	-53	-55	-55	-55	-55
490	27	33	40	40	40	40	40	40	40	40
500	-22	-24	-24	-24	-16	-16	-16	-16	-16	-16

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-670 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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1050	-74	15	18	27	27	29	27	-8	0	-10	1600	-52	-75	-76	-24	0	37	41	111	161	205
1050	-34	-31	-28	27	27	27	20	20	2	-24	1610	215	283	161	126	126	70	23	-38	-83	135
1050	-34	34	19	31	47	42	36	20	12	-13	1620	-147	-180	-192	-172	-140	-108	-32	14	38	18
1050	-10	11	19	31	47	42	36	20	12	-13	1630	68	89	88	24	24	21	8	1	-18	22
1050	-10	11	19	31	47	42	36	20	12	-13	1640	-18	8	5	14	24	31	31	34	22	50
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1050	-26	11	41	-32	-24	-14	-18	-2	23	39	1670	-20	-21	-10	4	13	19	24	24	29	29
1050	33	41	14	4	0	5	-13	-2	56	56	1680	29	28	-7	-29	-50	-62	-62	-63	-61	-54
1050	-53	58	42	7	76	6	104	-5	-77	-71	1690	-28	19	38	47	48	48	48	48	38	15
1050	-38	-38	57	44	76	6	104	-5	-77	-71	1700	-1	-30	-57	-60	-50	-33	-15	-4	5	8
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1050	-30	-30	-45	-36	-28	-5	-5	-1	-11	-11	1760	86	85	75	36	10	8	4	5	1	7
1050	-12	-45	-45	-40	-25	-58	37	25	1	-50	1770	15	24	28	32	34	39	25	-3	-4	-10
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1050	0	0	71	-32	-39	-66	-66	-66	-66	-66	1810	-33	0	21	36	38	55	83	90	90	89
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1050	78	64	57	57	57	57	57	57	57	57	1830	0	21	36	38	55	83	90	90	89	85
1050	35	-14	-13	-55	-50	-126	-151	-192	-297	-211	1840	89	89	88	80	65	35	10	-64	-24	-20
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1050	41	44	47	42	42	41	42	42	42	42	1870	-10	10	41	61	72	83	90	91	91	91
1050	-77	-80	129	143	141	114	64	5	-22	22	1880	90	63	47	26	2	1	1	1	1	1
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1050	-52	-52	-52	-52	-52	-52	-52	-52	-52	-52	1910	61	64	65	71	71	71	68	57	34	8
1050	41	44	47	42	42	41	42	42	42	42	1920	-13	-37	-55	-79	-103	-112	-112	-111	-95	-61
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1050	4	-4	-105	-82	-72	-79	78	66	57	55	1960	22	28	28	28	30	30	9	-11	-20	-24
1050	18	20	20	20	20	20	20	20	20	20	1970	-24	-24	-24	-24	-24	-24	-24	-24	-28	-40
1050	49	49	47	47	47	47	47	47	47	47	1980	-47	-55	-41	-30	-22	-17	-14	-24	-28	-31
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1050	-49	-49	-49	-49	-49	-49	-49	-49	-49	-49	2070	-14	-10	-10	-10	-10	-10	-10	-10	-10	-10
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1050	64	43	10	-2	-25	-41	-46	-46	-45	-52	2100	21	21	21	21	21	21	21	21	21	21
1050	64	43	10	-2	-25	-41	-46	-46	-45	-52	2120	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-670 U-0)

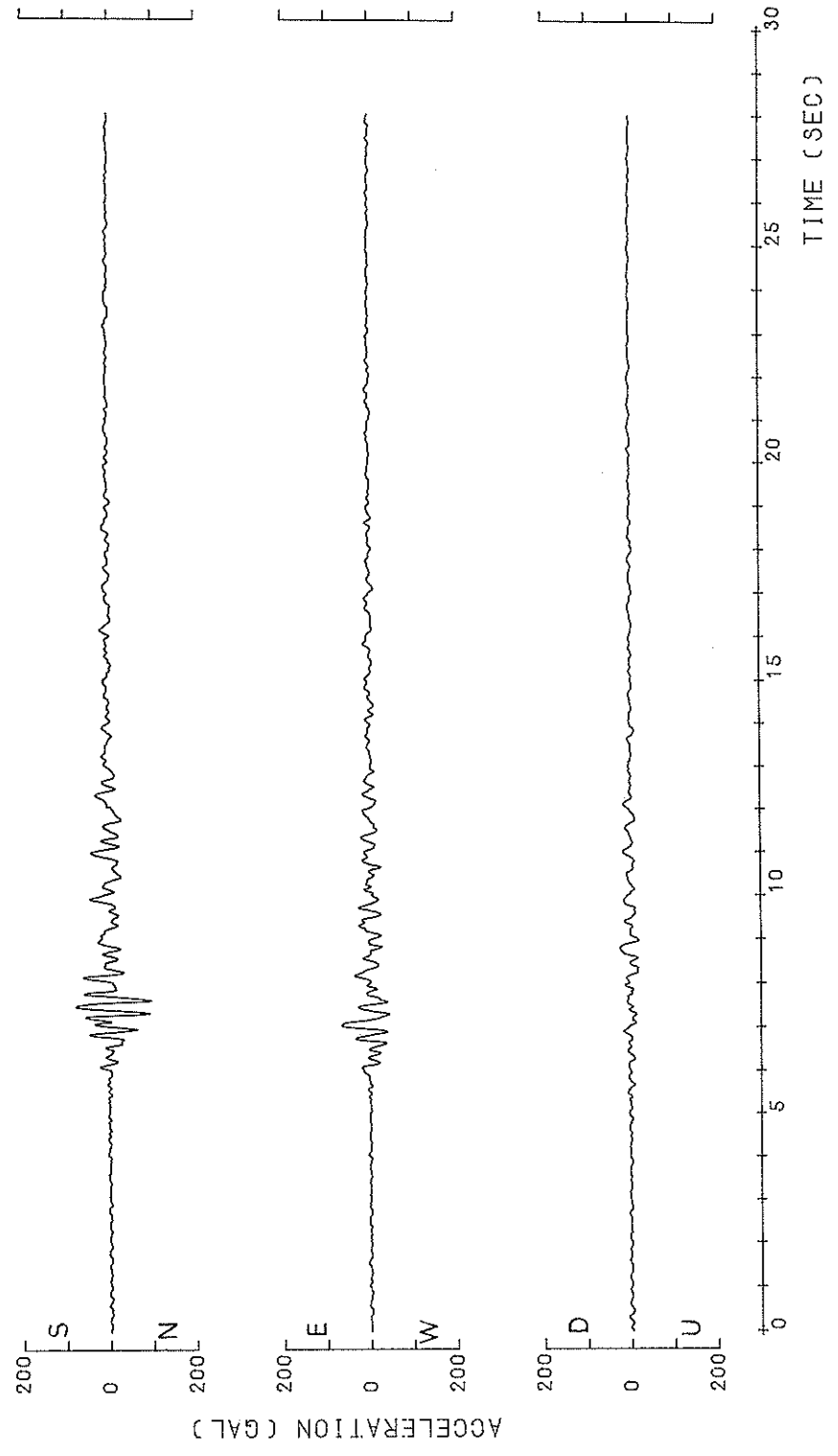
CONTINUED(S-670 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
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2140	20	-3	-17	-34	-47	-47	-47	-47	-47	-47
2150	-46	-33	-11	-10	17	35	38	41	47	48
2160	48	34	26	26	22	13	8	7	7	7
2170	14	26	29	29	37	43	51	51	51	40
2180	27	17	6	6	6	7	6	8	8	8
2190	7	8	4	-3	-7	-7	16	25	28	28
2200	31	31	31	31	25	18	11	8	9	8
2210	2	-16	-22	-33	-37	-37	-37	-37	-37	-37
2220	-37	-37	-37	-48	-75	-79	-86	-91	-91	-91
2230	-95	-101	-101	-101	-99	-84	-63	-40	15	0
2240	13	22	21	21	21	53	54	54	46	46
2250	24	21	21	21	14	8	3	-2	-2	-2
2260	-2	-2	-2	-2	-10	-18	-32	-41	-41	-41
2270	-41	-41	-41	-38	-34	-17	1	22	41	34
2280	57	62	68	74	74	74	74	74	79	79
2290	79	78	66	55	34	24	17	6	6	6
2300	-4	-4	-3	-3	6	6	6	6	6	6
2310	-2	-2	10	17	29	34	34	34	34	34
2320	47	53	62	62	62	62	57	51	36	36
2330	37	25	25	24	7	6	6	6	6	6
2340	6	6	6	6	-27	-27	-27	-24	-20	-20
2350	-17	-17	-17	-14	-14	-14	-30	-31	-34	-34
2360	11	5	2	-2	-2	-2	4	10	11	11
2370	11	5	2	-2	-2	-2	-16	-16	-20	-20
2380	-20	-16	-10	-8	-8	-8	-4	-2	-2	-2
2390	-6	-6	-1	3	9	17	19	16	11	11
2400	7	1	-3	-7	-8	2	6	9	8	7
2410	6	0	-3	-7	-7	-7	9	10	10	10
2420	13	23	28	28	16	2	-3	-3	1	13
2430	20	25	30	41	42	42	42	37	34	34
2440	33	33	33	33	28	24	18	17	17	17
2450	19	20	20	14	14	14	14	11	5	4
2460	3	6	6	6	1	-3	-4	-4	-3	2
2470	17	27	31	40	46	46	39	34	24	20
2480	14	14	14	14	14	14	21	28	24	16
2490	10	3	0	0	-1	-1	-1	-1	-1	-1
2500	-18	-16	-10	-4	0	7	25	35	34	27
2510	20	18	19	19	18	19	19	19	16	10
2520	9	1	-2	-6	-6	-9	-10	-9	-13	-20
2530	-28	-8	-10	-16	-17	-17	-11	-8	-8	-5
2540	0	6	15	24	30	39	43	42	43	40
2550	0	6	15	24	30	39	43	42	43	40
2560	29	24	20	17	19	19	15	15	14	14
2570	15	14	15	17	19	19	15	14	15	15
2580	16	20	29	29	30	23	21	20	20	20
2590	24	27	34	38	43	47	47	37	37	37
2600	37	37	37	47	35	21	9	2	10	10
2610	13	18	25	27	19	11	8	8	15	20
2620	24	28	28	28	11	-2	-2	-2	-2	-9
2630	-14	-14	-14	-14	-14	-16	-22	-22	-21	-21
2640	-11	-5	-4	-3	-3	-3	-3	-3	-14	-14
2650	-16	-14	-13	-13	-18	-14	-8	-4	0	0
2660	0	4	7	7	9	14	17	16	12	8

TO BE CONTINUED

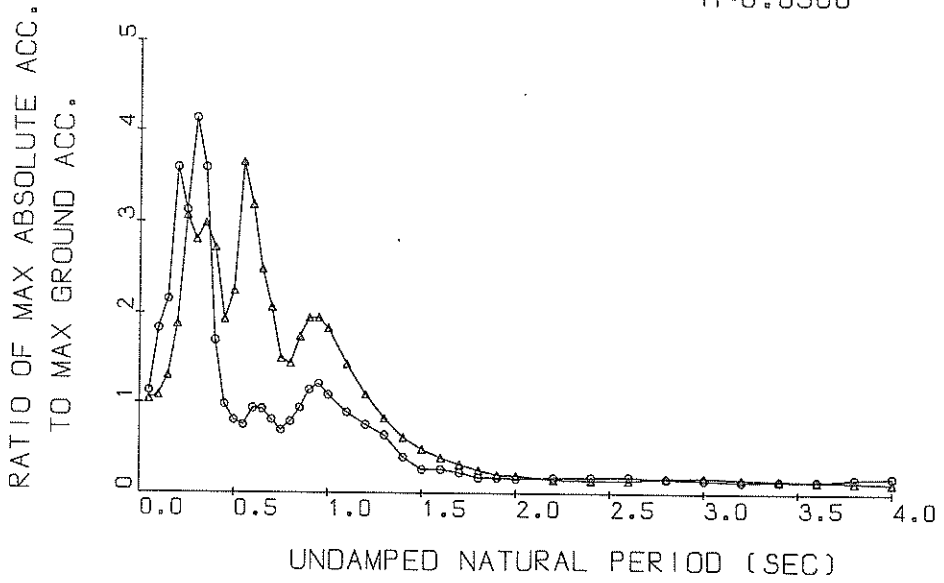
END

S-674 KUSHIRO-S 1972-05-11-09-45



S-674 KUSHIRO-S
1972-05-11-09-45

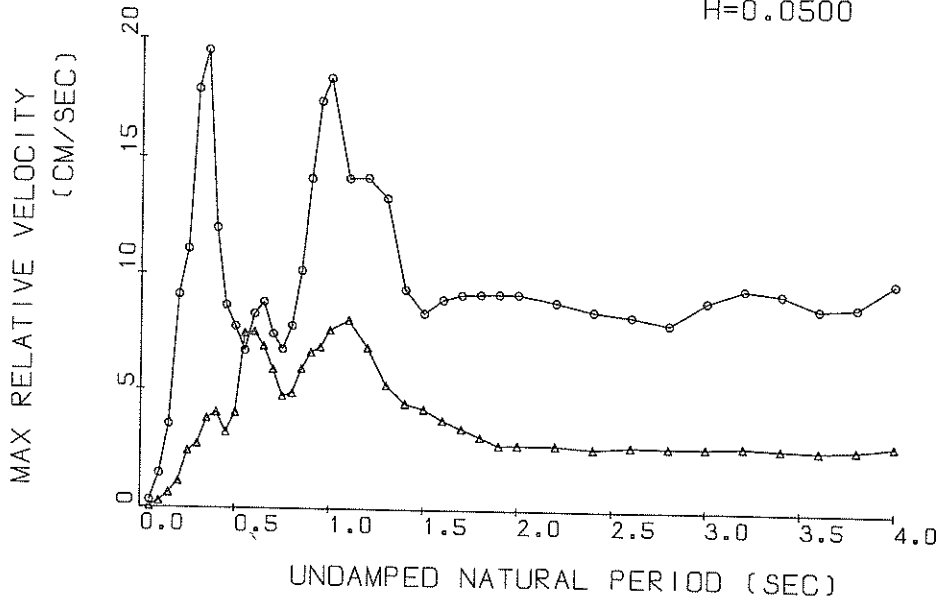
○ N-S
△ U-D
H=0.0500



Response Spectra

S-674 KUSHIRO-S
1972-05-11-09-45

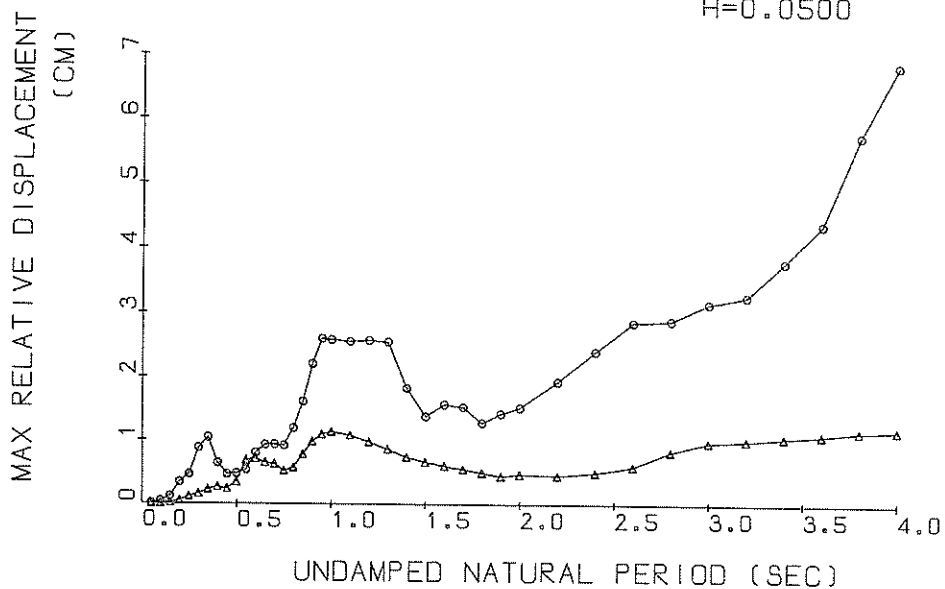
○ N-S
△ U-D
H=0.0500



Response Spectra

S-674 KUSHIRO-S
1972-05-11-09-45

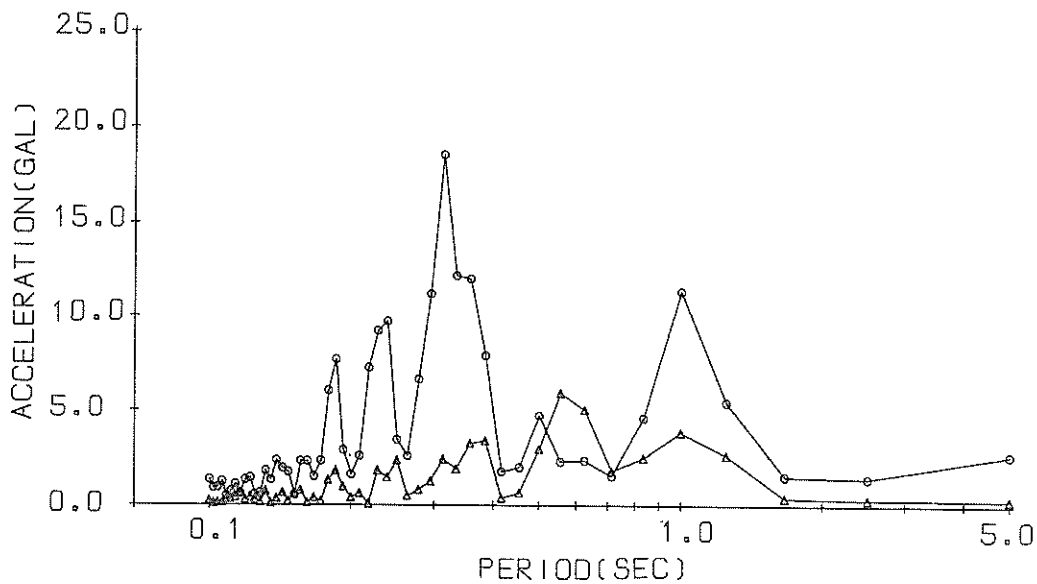
○ N-S
△ U-D
H=0.0500



Response Spectra

S-674

○ N-S TSK=6.00 TUS=5.00
△ U-D TSK=6.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-674 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = KUSHIRO-S
 DATE AND TIME = -05-11-09-45 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 24.70 (GAL)
 TIME LENGTH = 25.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	36.4	0.23	0.002	25.7	0.06	0.002	25.6	0.05	0.002	25.2	0.04	0.002	25.0	0.04	0.002
0.10	53.4	0.78	0.014	31.4	0.32	0.008	26.7	0.28	0.007	26.8	0.22	0.007	26.5	0.15	0.007
0.15	70.4	1.52	0.040	42.9	0.90	0.040	32.3	0.63	0.018	29.7	0.41	0.017	27.7	0.38	0.015
0.20	83.6	2.35	0.064	54.1	1.28	0.055	46.4	1.14	0.047	43.4	0.92	0.043	34.6	0.72	0.033
0.25	148.5	5.77	0.235	95.9	3.17	0.151	75.9	2.43	0.120	58.4	1.76	0.091	39.4	1.06	0.059
0.30	161.5	7.30	0.368	84.9	3.73	0.193	69.4	2.72	0.158	58.6	1.94	0.132	41.3	1.22	0.089
0.35	106.8	5.92	0.331	94.3	4.64	0.293	73.8	3.79	0.228	61.0	2.92	0.186	40.0	1.82	0.117
0.40	69.6	4.48	0.282	73.9	4.56	0.299	67.1	4.05	0.271	55.3	3.31	0.219	37.1	2.19	0.139
0.45	59.7	4.33	0.306	52.0	3.64	0.267	47.7	3.21	0.243	42.5	2.93	0.213	33.7	2.39	0.159
0.50	126.0	9.92	0.798	72.5	5.35	0.459	55.5	4.04	0.349	42.3	2.96	0.264	32.5	2.62	0.192
0.55	233.0	20.17	1.786	131.5	11.23	1.006	90.1	7.43	0.687	53.3	4.19	0.400	34.2	2.95	0.244
0.60	211.0	18.12	1.924	103.2	10.25	0.940	78.7	7.50	0.714	52.2	5.11	0.466	35.9	3.25	0.300
0.65	118.7	12.52	1.270	81.8	8.91	0.875	61.2	6.87	0.652	49.3	5.42	0.517	36.3	3.40	0.350
0.70	85.8	9.69	1.045	56.9	6.97	0.704	50.9	5.89	0.628	44.4	5.02	0.538	35.5	3.41	0.390
0.75	41.6	4.63	0.593	35.1	4.78	0.499	37.1	4.74	0.524	38.4	4.53	0.532	34.2	3.34	0.425
0.80	48.7	6.21	0.790	36.4	5.27	0.590	35.7	4.87	0.575	36.9	4.55	0.583	32.9	3.23	0.459
0.85	70.5	9.41	1.291	47.6	6.67	0.870	42.9	5.90	0.760	38.9	4.85	0.691	31.6	3.46	0.491
0.90	76.7	11.09	1.573	54.1	7.76	1.109	48.1	6.62	0.980	40.2	5.07	0.801	30.2	3.76	0.518
0.95	63.2	9.79	1.445	54.7	7.95	1.247	48.2	6.84	1.094	39.3	5.76	0.872	28.4	4.02	0.533
1.00	62.9	10.35	1.594	51.2	8.38	1.294	45.2	7.57	1.136	36.4	6.31	0.896	26.2	4.23	0.535
1.10	91.3	16.19	2.799	46.7	8.96	1.431	35.5	8.01	1.083	27.9	6.64	0.835	21.0	4.44	0.502
1.20	47.1	10.08	1.716	32.5	7.34	1.185	27.0	6.83	0.976	22.6	5.99	0.797	16.4	4.36	0.499
1.30	23.9	5.80	1.021	21.8	5.29	0.932	20.4	5.23	0.865	18.1	4.98	0.742	14.6	4.11	0.498
1.40	17.5	5.21	0.868	16.1	4.82	0.798	15.2	4.46	0.743	13.9	4.07	0.655	12.6	3.79	0.477
1.50	14.0	4.92	0.796	12.7	4.54	0.722	11.8	4.24	0.667	10.8	3.73	0.585	10.7	3.50	0.444
1.60	10.2	4.00	0.659	9.8	3.93	0.636	9.5	3.80	0.608	9.0	3.50	0.552	9.1	3.26	0.426
1.70	8.1	3.60	0.595	7.9	3.52	0.576	7.7	3.43	0.554	7.4	3.24	0.512	7.8	3.09	0.417
1.80	6.9	3.21	0.569	6.4	3.14	0.526	6.2	3.09	0.500	6.1	2.99	0.467	6.9	2.97	0.405
1.90	5.7	3.00	0.520	5.2	2.78	0.470	4.9	2.75	0.446	5.0	2.78	0.418	6.2	2.89	0.393
2.00	7.4	2.94	0.750	5.4	2.81	0.551	4.7	2.75	0.474	4.5	2.73	0.429	5.6	2.84	0.381
2.20	4.5	2.78	0.557	4.0	2.77	0.486	3.7	2.75	0.458	3.7	2.74	0.438	4.7	2.77	0.397
2.40	4.2	2.65	0.610	3.7	2.61	0.542	3.5	2.63	0.506	3.4	2.68	0.490	4.2	2.71	0.423
2.60	3.7	2.89	0.826	3.5	2.79	0.591	3.5	2.74	0.601	3.5	2.69	0.589	3.9	2.66	0.487
2.80	5.3	2.86	1.055	4.6	2.76	0.916	4.2	2.70	0.833	3.7	2.64	0.730	3.6	2.61	0.562
3.00	5.4	2.90	1.240	4.8	2.79	1.086	4.3	2.71	0.982	3.8	2.63	0.847	3.4	2.65	0.635
3.20	4.2	2.92	1.085	4.1	2.82	1.055	3.9	2.75	1.011	3.6	2.67	0.915	3.2	2.53	0.703
3.40	4.3	2.67	1.256	3.8	2.88	1.111	3.6	2.68	1.057	3.4	2.66	0.969	3.1	2.56	0.765
3.60	4.5	2.51	1.465	3.8	2.58	1.330	3.4	2.63	1.099	3.2	2.67	1.016	3.0	2.60	0.824
3.80	3.9	2.56	1.441	3.4	2.64	1.258	3.2	2.70	1.158	3.0	2.74	1.087	2.9	2.65	0.909
4.00	3.1	2.85	1.243	2.9	2.87	1.173	2.9	2.88	1.174	3.0	2.85	1.187	2.8	2.70	1.024

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RU = RELATIVE DISPLACEMENT (CM)

RECORD = S-674 COMPONENT = U-D STATION = KUSHIRO-S
 NAME AND TIME = 1972-05-11-09-45 TOTAL NUMBER OF DATA = 2800
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR-ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-18	-16	-14	-16	-1	25	28	23	28	15
10	-12	-17	-9	4	17	-19	-32	-40	-26	-23
20	-20	-17	9	4	30	39	38	49	63	49
30	76	79	70	51	43	38	22	-3	-20	-28
40	-23	-22	-29	-42	-50	-43	-37	-33	-26	42
50	-20	-10	-2	10	19	24	30	33	42	17
60	48	55	53	42	32	27	26	23	19	17
70	12	9	12	0	-6	-12	-17	-17	-14	-14
80	-0	-6	1	-3	1	13	18	22	23	3
90	24	3	35	36	33	20	14	8	3	3
100	0	-3	-8	-13	-10	-8	-12	-17	-18	-6
110	2	8	13	15	18	22	28	32	29	33
120	39	42	45	42	33	30	27	24	20	12
130	4	-2	-7	-10	-12	-10	-14	-17	-14	-11
140	-6	-7	-10	-20	-20	-13	-9	-5	-4	-1
150	1	6	11	19	24	25	31	35	41	46
160	42	36	27	19	13	7	5	4	6	7
170	10	11	12	8	4	1	-1	3	8	14
180	17	20	21	25	27	28	24	16	3	-3
190	-3	-6	-14	-4	14	20	32	41	38	34
200	0	0	7	7	2	2	3	2	5	10
210	31	33	35	32	26	26	31	31	25	19
220	11	1	-6	-12	-9	-5	0	3	8	11
230	12	12	10	8	4	2	2	2	5	10
240	13	17	14	11	10	7	2	1	5	6
250	1	29	-2	-2	1	52	53	46	42	38
260	21	29	21	8	-5	-10	-14	-18	-22	-22
270	34	29	21	8	-5	-10	-14	-18	-22	-22
280	-19	-19	-22	-22	-20	-14	-10	-4	-4	-7
290	1	8	12	12	10	4	3	10	13	12
300	11	13	18	20	23	23	26	32	36	31
310	26	21	18	24	33	38	34	30	24	19
320	17	11	3	-3	-6	-3	-2	-3	-9	-12
330	-12	-9	-6	-6	-9	-9	-5	1	7	11
340	11	8	13	15	13	9	9	9	10	10
350	6	25	2	3	16	23	29	25	21	21
360	25	2	18	15	14	16	12	17	24	28
370	14	18	15	14	16	12	17	14	6	4
380	-13	-19	-24	-29	-38	-31	-28	-23	-18	-11
390	-13	-16	-10	-6	1	11	17	20	24	24
400	21	20	21	18	13	7	8	11	14	11
410	7	4	4	11	16	14	12	17	24	28
420	25	22	20	20	19	18	17	14	6	4
430	11	14	14	8	-2	-9	-13	-16	-16	-11
440	-9	-6	-2	-2	4	8	12	10	6	1
450	39	33	29	32	39	45	46	42	33	27
460	39	33	29	32	39	45	46	42	33	27
470	23	25	27	23	19	9	-2	-2	2	5
480	5	-7	-22	-40	-45	-34	-28	-28	-32	-33
490	-19	-6	22	24	28	23	29	38	44	45
500	39	36	39	42	47	49	46	46	46	46
1040	71	77	79	76	79	79	76	79	76	76

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-674 U-0)

CONTINUED(S-674 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	59	44	20	-1	-10	-25	-40	-48	-55	-61
1060	-64	-64	-63	-63	-63	-61	-60	-60	-57	-57
1070	-60	-62	-63	-67	-72	-77	-84	-92	-82	-84
1080	-69	-57	-54	-49	-38	-23	-2	13	34	51
1090	68	89	109	125	142	151	157	164	167	166
1100	161	149	137	124	105	88	70	54	40	27
1110	10	-2	-11	-20	-24	-23	-34	-42	-51	-54
1120	-54	-51	-48	-41	-35	-30	-23	-20	-17	-12
1130	10	-7	4	-2	1	4	10	11	18	22
1140	29	32	35	38	35	39	49	63	73	82
1150	89	99	104	107	108	105	101	96	90	81
1160	71	61	49	25	11	-6	-22	-46	-63	-73
1170	-84	-94	-103	-111	-112	-110	-106	-102	-97	-95
1180	-91	-87	-84	-85	-85	-81	-70	-60	-47	-35
1190	-27	-19	-10	0	8	14	19	24	32	48
1200	63	73	86	100	110	124	136	143	148	149
1210	144	139	131	122	115	102	85	64	44	32
1220	17	-1	-17	-31	-36	-34	-34	-30	-27	-22
1230	-15	-13	-7	1	-8	12	16	12	10	13
1240	13	13	4	0	-1	3	3	3	0	-5
1250	-9	-13	-16	-19	-20	-13	0	5	8	8
1260	4	4	7	11	14	11	4	2	1	-2
1270	-6	0	18	30	20	-16	-11	-13	-12	-10
1280	29	22	18	17	17	24	29	33	33	31
1290	39	37	34	29	22	21	24	24	42	42
1300	20	-5	-5	-4	-2	-2	-8	-15	-19	-20
1310	-20	-25	-30	-37	-37	-33	-31	-29	-28	-27
1320	-28	-23	-19	-12	-13	-18	-18	-21	-21	-10
1330	-9	-10	-6	-6	-6	-6	-8	-8	-10	-11
1340	-11	-6	2	4	14	20	28	35	39	42
1350	47	52	55	54	46	39	24	11	-12	-27
1360	37	-37	-50	-57	-58	-57	-81	-85	-92	-95
1370	-96	-100	-99	-95	-90	-83	-79	-73	-65	-54
1380	-31	-25	-20	-16	-6	1	8	11	11	11
1390	11	13	16	21	21	21	17	12	4	1
1400	1	-2	-2	-2	-3	-6	-6	-6	-3	1
1410	1	4	4	4	7	8	-2	-15	-20	-27
1420	33	-35	-35	-35	-35	-34	-32	-30	-30	-30
1430	-22	-20	-14	-13	-9	-9	-7	-4	-4	-4
1440	-7	-7	-9	-9	-3	0	2	2	7	11
1450	16	15	15	12	8	4	-2	-13	-23	-29
1460	15	15	15	12	8	4	-2	-13	-23	-29
1470	15	15	15	12	8	4	-2	-13	-23	-29
1480	-35	-40	-40	-40	-40	-40	-42	-42	-40	-50
1490	-47	-44	-44	-44	-44	-44	-44	-44	-44	-44
1500	-22	-23	-23	-23	-28	-31	-36	-36	-36	-36
1510	-34	-34	-34	-34	-34	-34	-34	-34	-34	-34
1520	15	9	2	-2	-2	-2	-2	-2	-2	-2
1530	-17	-13	-10	-6	-6	-8	-8	-11	-16	-17
1540	-17	-13	-10	-6	-6	-8	-8	-11	-16	-17
1550	-34	-27	-25	-31	-34	-38	-43	-44	-43	-40
1560	-34	-27	-25	-31	-34	-38	-43	-44	-43	-40
1570	13	14	15	14	14	8	4	0	-1	-6
1580	-9	-11	-11	-16	-16	-13	-10	-6	0	3

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-674 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	13	16	16	19	20	21	21	18	18	13
2140	8	8	11	7	3	4	0	-3	-6	-7
2150	-8	-11	-10	-11	-10	-11	-11	-11	-10	-12
2160	-12	-10	-10	-10	-10	-8	-9	-9	-9	-9
2170	-9	-11	-16	-18	-18	-20	-20	-20	-15	-11
2180	-9	-7	-3	0	6	7	11	11	13	14
2190	17	19	21	21	23	23	23	21	20	17
2200	15	13	16	16	10	7	4	2	0	-5
2210	-8	-12	-14	-17	-24	-28	-28	-34	-36	-40
2220	-42	-42	-42	-42	-41	-34	-34	-30	-27	-27
2230	-25	-25	-23	-20	-18	-17	-14	-12	-11	-9
2240	-10	-9	-10	-8	-7	-6	-4	-1	1	4
2250	4	0	-2	-5	-5	-1	7	1	2	4
2260	4	6	7	7	7	7	7	8	11	14
2270	13	11	10	10	7	4	1	-2	-6	-12
2280	-15	-18	-21	-24	-27	-27	-27	-27	-27	-27
2290	-27	-30	-24	-24	-22	-18	-14	-12	-10	-7
2300	-8	-7	-7	-11	-11	-11	-8	-7	-4	-4
2310	-4	-2	0	2	7	7	6	3	0	-2
2320	-3	-5	-5	-6	-6	-3	0	1	1	1
2330	1	1	1	1	1	2	2	4	4	4
2340	2	2	2	3	2	2	-2	-7	-10	-12
2350	-13	-12	-12	-12	-16	-20	-20	-20	-20	-23
2360	-25	-27	-27	-30	-28	-27	-25	-25	-20	-20
2370	-18	-18	-16	-15	-10	-6	-3	-2	4	4
2380	4	4	4	6	6	3	4	7	7	6
2390	7	7	0	0	0	3	4	6	6	6
2400	6	1	0	-3	-7	-10	-11	-13	-17	-20
2410	-20	-23	-23	-23	-20	-18	-16	-16	-16	-16
2420	-16	-9	-6	2	4	7	7	7	7	7
2430	8	7	2	2	2	2	2	4	5	4
2440	4	1	0	0	-6	-6	-9	-10	-11	-10
2450	-10	-10	-13	-13	-15	-15	-15	-15	-16	-17
2460	-17	-20	-23	-26	-29	-34	-35	-36	-38	-38
2470	-38	-38	-34	-30	-25	-21	-18	-14	-13	-10
2480	-9	-10	-9	-8	-7	-4	1	4	10	11
2490	16	17	18	18	17	17	12	8	5	2
2500	-1	-5	-4	-5	-4	-3	-3	-3	-3	-3
2510	-20	-26	-26	-26	-26	-26	-26	-21	-21	-16
2520	-18	-17	-17	-17	-22	-27	-27	-28	-27	-29
2530	-29	-30	-17	-15	-10	-10	-10	-10	-10	-10
2540	-10	-4	-2	-2	1	2	2	3	7	9
2550	9	9	9	9	12	12	12	12	11	12
2560	12	12	7	4	0	-2	-3	-4	-3	-4
2570	-3	-4	-2	-1	0	-1	-1	-4	-4	-4
2580	-15	-17	-20	-20	-20	-20	-20	-11	-13	-13
2590	-29	-31	-28	-28	-28	-21	-19	-19	-20	-26
2600	-16	-15	-12	-12	-12	-6	-4	-7	-4	-4
2610	-2	1	1	0	0	0	0	0	0	-3
2620	-3	-4	-4	-4	-5	-6	-6	-6	-6	-8
2630	-8	-8	-9	-10	-10	-10	-12	-17	-18	-19
2640	-20	-20	-24	-25	-25	-27	-30	-32	-33	-35
2650	-33	-33	-30	-21	-19	-16	-14	-14	-15	-15
2660	-16	-17	-16	-18	-20	-22	-26	-30	-33	-36

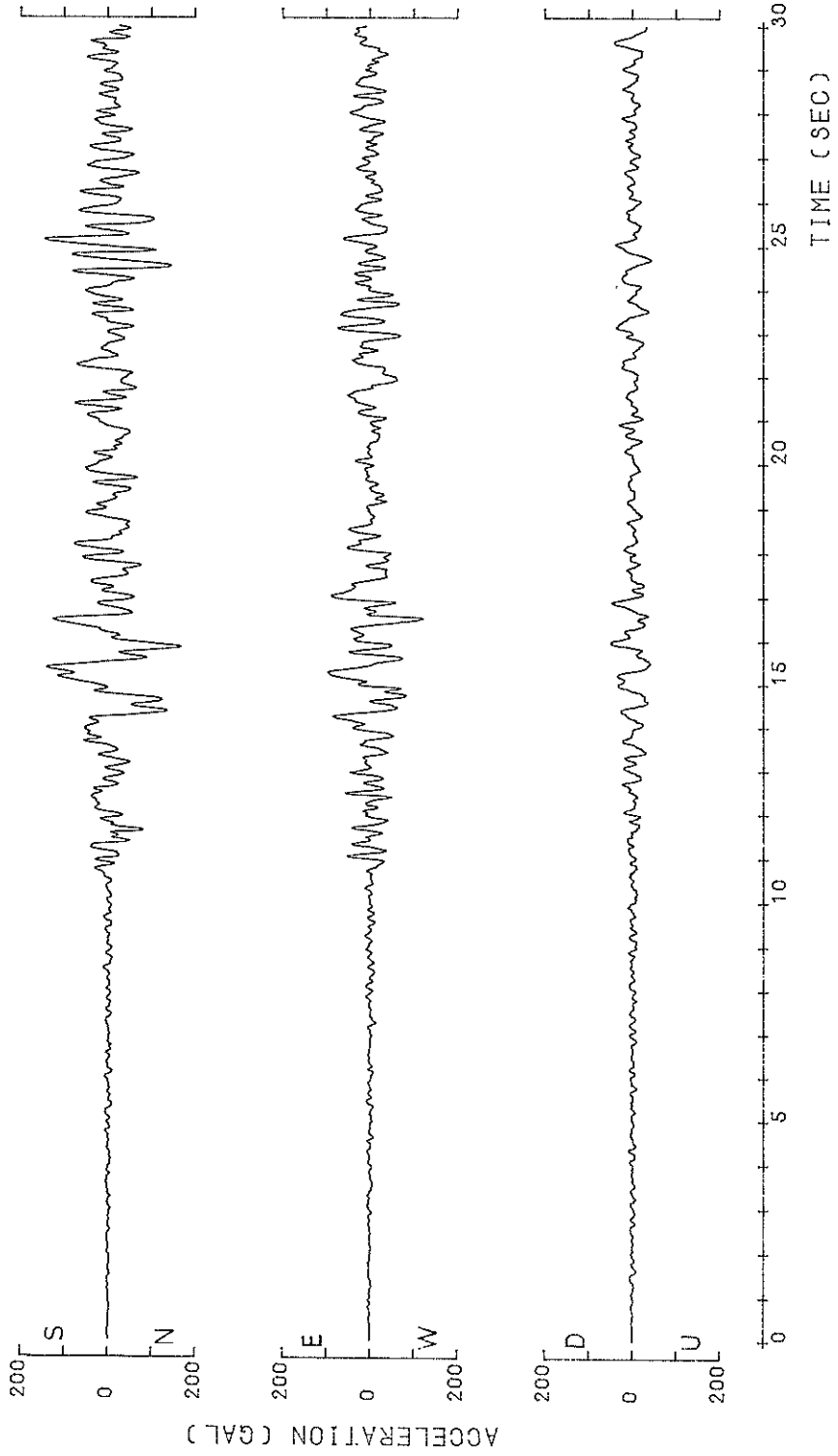
TO BE CONTINUED

CONTINUED(S-674 U-D)

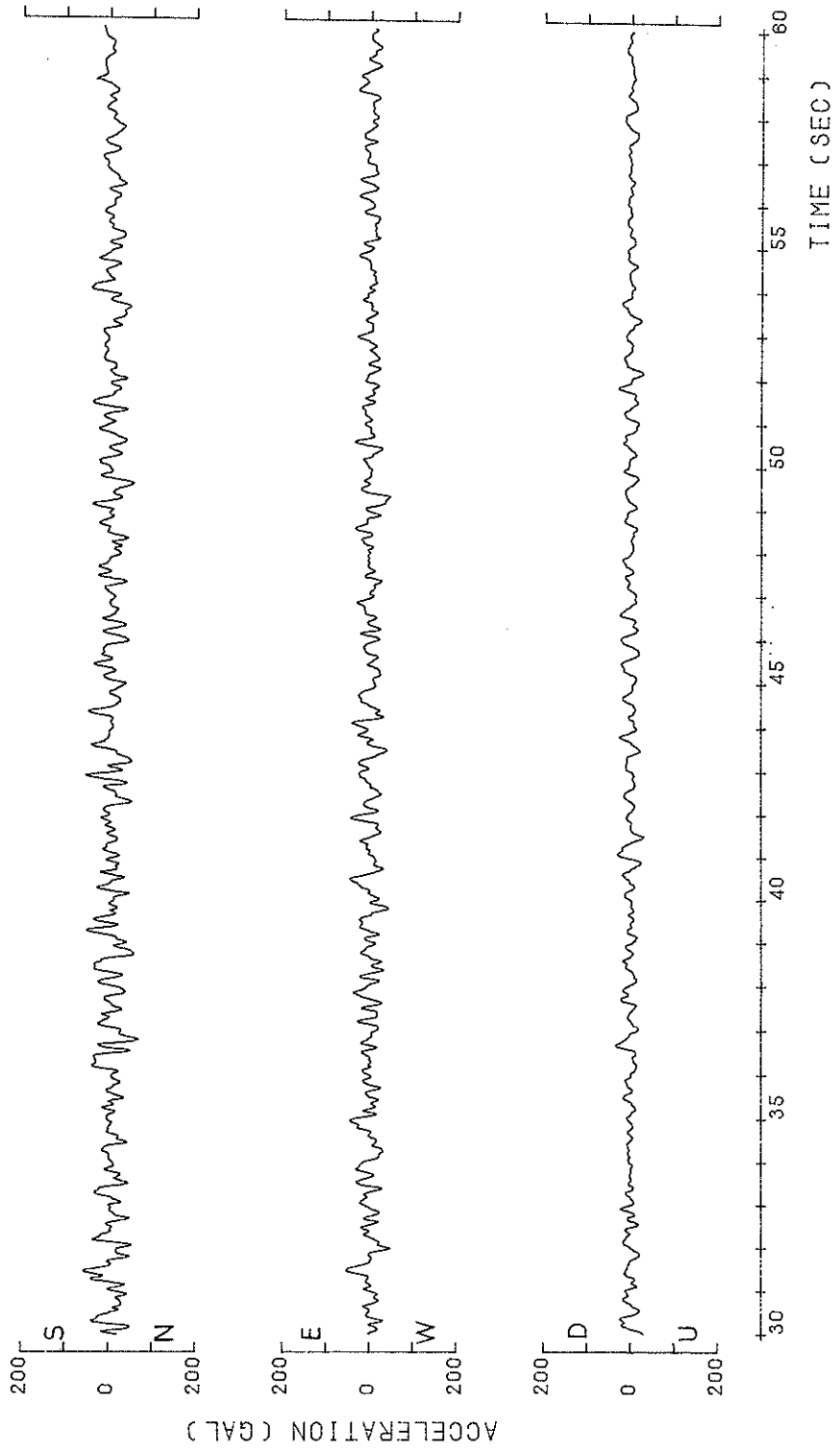
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	-38	-37	-37	-37	-37	-36	-35	-34	-31	-27
2680	-23	-19	-18	-20	-20	-20	-20	-20	-19	-15
2690	-11	-9	-8	-6	-3	-1	-1	-1	-0	-3
2700	-4	-4	-5	-5	-6	-7	-8	-10	-10	-11
2710	-13	-16	-20	-21	-22	-26	-27	-29	-28	-27
2720	-30	-30	-31	-32	-32	-31	-30	-30	-28	-26
2730	-24	-22	-20	-18	-20	-20	-18	-18	-16	-16
2740	-14	-14	-13	-10	-10	-10	-14	-14	-12	-10
2750	-10	-9	-10	-10	-13	-14	-14	-14	-14	-12
2760	-22	-22	-21	-20	-17	-13	-11	-10	-10	-12
2770	-14	-14	-17	-18	-21	-24	-27	-28	-28	-32
2780	-34	-38	-38	-37	-37	-36	-35	-31	-29	-29
2790	-22	-20	-19	-16	-13	-17	-20	-22	-22	-23

END

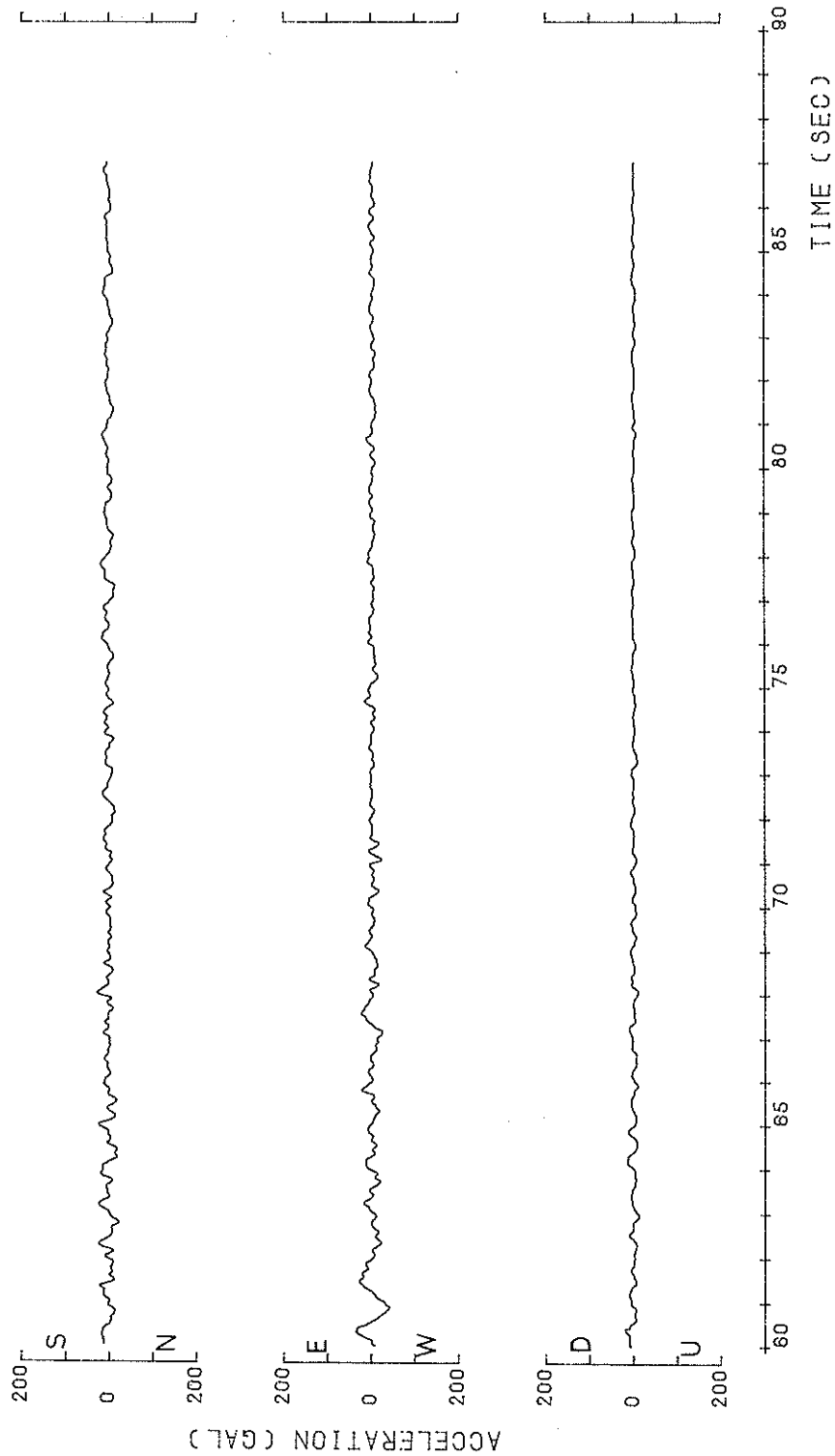
S-733 KUSHIRO-S 1973-06-17-12-55



S-733 KUSHIRO-S 1973-06-17-12-55

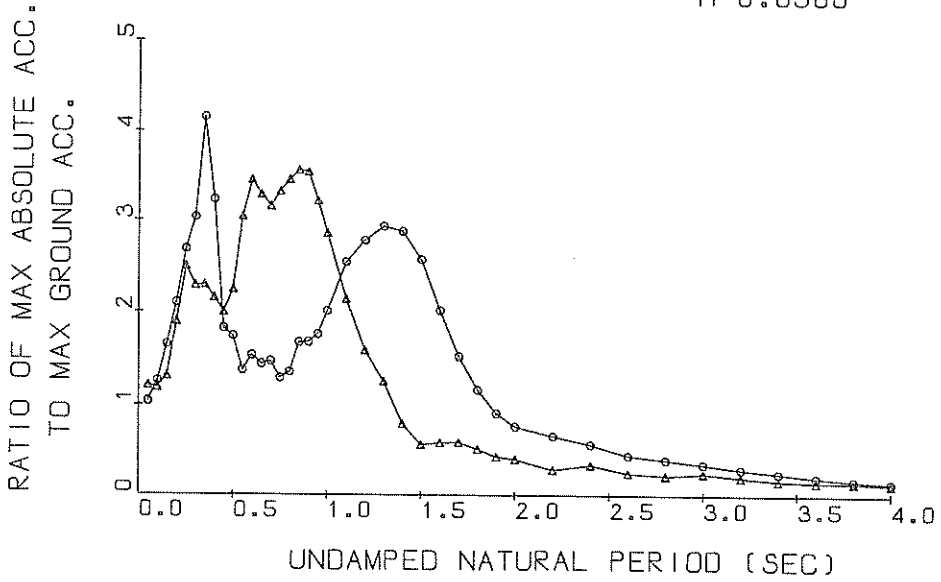


S-733 KUSHIRO-S 1973-06-17-12-55



S-733 KUSHIRO-S
1973-06-17-12-55

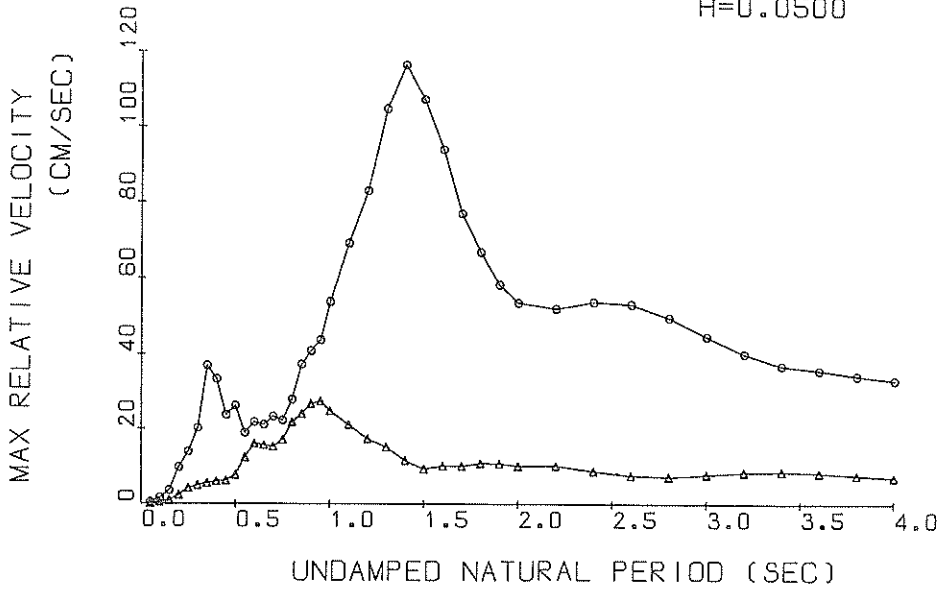
○ N-S
△ U-D
H=0.0500



Response Spectra

S-733 KUSHIRO-S
1973-06-17-12-55

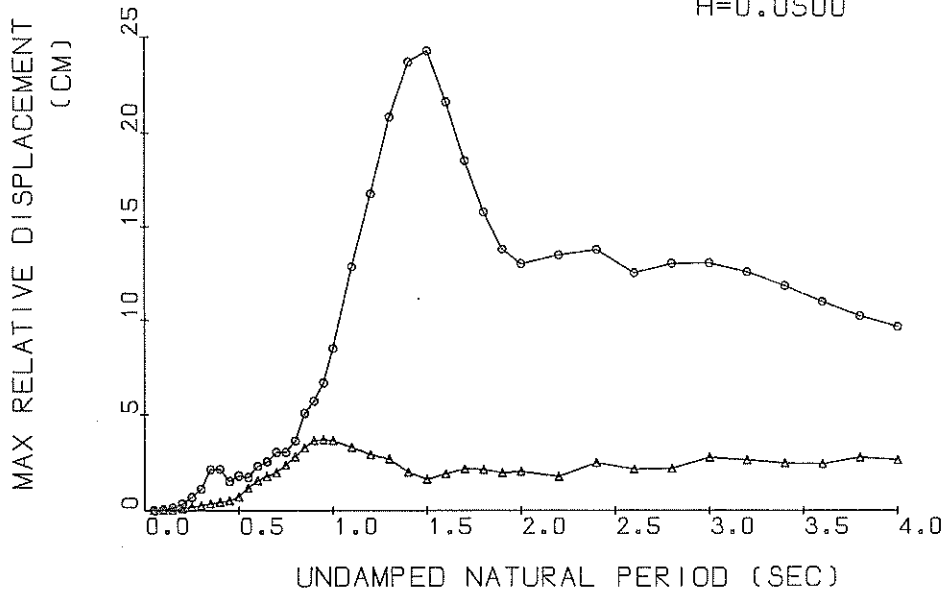
○ N-S
△ U-D
H=0.0500



Response Spectra

S-733 KUSHIRO-S
1973-06-17-12-55

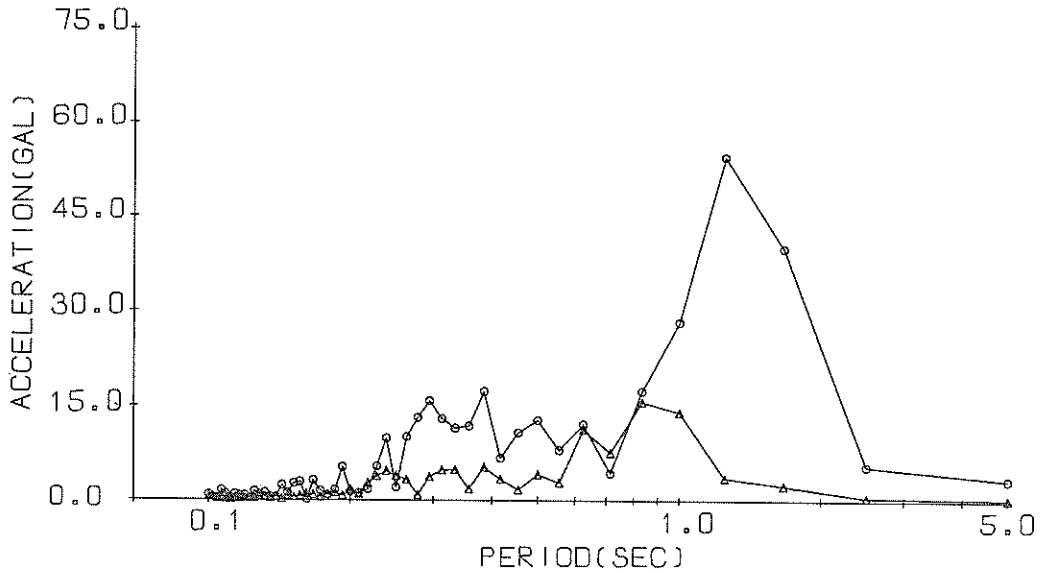
○ N-S
△ U-D
H=0.0500



Response Spectra

S-733

○ N-S TSK=13.00 TUS=5.00
△ U-D TSK=13.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-733
 DATE AND TIME = 1973-06-17-12-55
 TIME LENGTH = 60.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR-ACC.
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 0. (SEC)

CORRECTION = ZERO, ARC
 MAX. GROUND ACC. = 50.64 (GAL)

STATION = KUSHIRO-S

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	102.3	0.56	0.006	64.1	0.14	0.004	61.3	0.13	0.004	57.2	0.12	0.004	53.0	0.09	0.003
0.10	217.5	3.39	0.055	67.0	0.51	0.017	60.2	0.39	0.015	55.2	0.31	0.014	54.8	0.25	0.014
0.15	319.3	7.23	0.182	73.3	1.22	0.042	66.5	0.89	0.038	65.1	0.77	0.037	62.6	0.56	0.035
0.20	382.6	10.38	0.347	118.6	3.00	0.120	96.0	2.32	0.098	82.9	1.69	0.083	78.7	1.10	0.071
0.25	862.0	33.79	1.365	162.5	6.10	0.256	126.4	4.22	0.199	101.4	2.70	0.159	78.7	1.63	0.118
0.30	308.4	14.00	0.703	146.9	6.48	0.256	115.8	4.85	0.264	93.9	3.30	0.212	79.5	2.11	0.170
0.35	239.5	12.94	0.543	130.5	5.68	0.204	116.3	5.52	0.359	104.9	4.55	0.320	77.9	2.53	0.224
0.40	237.7	14.33	0.963	138.7	8.13	0.560	109.1	5.99	0.440	88.6	4.50	0.353	70.0	3.17	0.260
0.45	288.3	20.73	1.530	131.6	9.27	0.873	101.2	6.21	0.516	83.4	5.37	0.421	65.9	3.79	0.313
0.50	274.5	21.18	1.738	137.1	9.65	0.867	113.7	7.72	0.717	97.1	6.55	0.608	68.6	4.27	0.398
0.55	772.6	66.66	5.920	199.4	15.98	1.527	154.2	12.29	1.177	116.6	8.96	0.879	69.5	4.73	0.491
0.60	669.1	63.70	6.101	231.1	21.41	2.105	174.9	16.04	1.588	123.0	10.71	1.103	70.5	5.39	0.587
0.65	614.0	63.53	6.571	208.2	21.25	2.225	166.7	15.59	1.777	120.8	10.71	1.274	75.5	5.94	0.747
0.70	599.1	66.29	7.436	198.9	22.33	2.467	160.1	15.21	1.979	127.0	11.69	1.552	78.8	6.69	0.899
0.75	284.5	34.36	4.053	206.1	22.03	2.933	168.3	16.97	2.388	125.3	12.71	1.754	79.2	7.55	1.025
0.80	559.4	71.66	9.069	232.2	28.95	3.765	175.2	21.77	2.827	126.9	14.17	2.018	77.4	8.20	1.126
0.85	291.0	39.51	5.326	219.9	29.55	4.022	180.5	23.99	3.283	129.5	16.64	2.315	73.9	9.23	1.208
0.90	833.5	118.70	17.102	224.3	33.21	4.597	179.5	26.66	3.663	123.5	19.18	2.482	70.5	10.10	1.300
0.95	283.8	42.47	6.487	202.9	33.37	4.631	163.1	27.42	3.710	119.0	19.76	2.466	66.6	10.63	1.381
1.00	299.5	48.84	7.585	168.2	28.81	4.255	145.0	24.75	3.653	109.2	18.56	2.705	62.9	10.84	1.446
1.10	175.7	32.31	5.386	127.9	24.42	3.915	108.4	21.09	3.298	86.8	16.43	2.596	55.8	10.59	1.517
1.20	146.5	28.95	5.345	89.9	19.20	3.275	80.6	17.30	2.920	67.0	14.10	2.375	49.1	9.82	1.578
1.30	143.9	29.18	6.161	72.7	17.27	3.104	63.8	15.10	2.707	54.4	12.32	2.244	43.4	8.86	1.580
1.40	78.5	19.10	3.897	46.2	13.14	2.288	40.7	11.47	1.999	40.6	10.43	1.924	38.0	8.31	1.548
1.50	83.8	18.99	4.777	35.7	9.57	2.030	28.9	9.31	1.634	32.1	9.35	1.734	33.3	7.88	1.509
1.60	77.9	20.78	5.055	33.3	10.80	2.151	29.9	10.14	1.912	29.2	9.16	1.789	29.5	7.55	1.473
1.70	53.8	17.53	3.937	33.3	11.29	2.429	30.1	10.12	2.175	26.9	8.88	1.855	26.3	7.30	1.431
1.80	37.5	14.40	3.076	29.8	12.12	2.436	26.3	10.85	2.132	23.2	9.38	1.784	23.4	7.19	1.374
1.90	25.5	11.70	2.336	23.6	11.34	2.149	22.0	10.66	1.987	19.8	9.38	1.711	20.7	7.32	1.301
2.00	49.0	16.95	4.967	22.1	10.87	2.228	20.4	10.12	2.036	18.2	9.03	1.733	18.3	7.45	1.287
2.20	24.5	12.16	3.006	18.1	10.98	2.216	14.6	10.16	1.777	13.4	9.12	1.510	15.3	7.60	1.224
2.40	26.5	12.98	3.865	20.8	9.48	3.027	17.2	8.77	2.498	12.5	8.48	1.771	12.8	7.57	1.136
2.60	22.8	9.58	3.905	15.2	7.61	2.603	12.8	7.62	2.154	11.0	7.81	1.673	10.9	7.48	1.311
2.80	13.8	7.64	2.749	10.3	7.15	2.037	11.3	7.30	2.198	10.9	7.58	2.027	9.8	7.42	1.445
3.00	24.0	12.06	5.482	14.3	7.89	3.251	12.4	7.85	2.773	10.6	7.77	2.242	9.3	7.39	1.521
3.20	17.1	10.43	4.444	11.3	8.82	2.929	10.3	8.50	2.637	9.3	8.06	2.227	8.6	7.38	1.532
3.40	8.4	9.68	2.448	8.8	9.13	2.573	8.5	8.71	2.473	7.8	8.15	2.081	7.8	7.35	1.484
3.60	19.2	12.57	6.293	10.5	9.30	3.434	7.5	8.40	2.447	6.2	7.98	1.936	7.1	7.27	1.482
3.80	15.7	10.07	5.754	10.2	7.85	3.732	7.7	7.79	2.782	6.3	7.63	2.230	6.8	7.17	1.639
4.00	9.8	6.93	3.980	7.3	7.07	2.952	6.6	7.20	2.634	6.0	7.27	2.317	6.5	7.04	1.773

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD # S-733 COMPONENT = U-D STATION = KUSHIRO-S
 DATE AND TIME 1973-06-17-12-55 TOTAL NUMBER OF DATA = 8700
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR-ACC. CORRECTION = ZERO-ARC

CONTINUED(S-733 U=0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	-6	-2	9	-6	-12	-8	-1	7	6
10	-3	-4	-4	-4	-9	-1	-4	-1	-9	-5
20	0	1	8	2	7	0	0	4	7	6
30	30	13	14	16	17	19	13	-2	3	10
40	13	13	14	16	17	19	13	6	1	3
50	6	-4	-1	-5	0	3	-1	-5	-10	-14
60	14	-14	-14	-12	-10	7	1	3	11	24
70	10	10	11	18	17	21	19	18	20	24
80	27	24	20	20	16	16	12	-2	-2	-10
90	-11	-12	-11	-14	-14	-12	-8	-4	-2	-2
100	0	10	2	2	7	15	23	20	20	19
110	19	12	5	-2	-3	-2	-7	-15	-16	-17
120	10	-16	-2	-6	-5	-2	-7	-15	-16	-17
130	-29	-19	-26	-31	-35	-34	-24	-20	-20	-23
140	53	34	33	53	52	51	16	24	31	42
150	51	36	35	53	52	51	54	58	58	58
160	-22	-81	-71	-60	-57	-46	-57	-67	-77	-79
170	94	-31	-38	-37	-33	-31	-32	-22	20	15
180	-4	1	8	10	11	22	22	22	20	15
190	-13	0	7	19	16	17	18	20	27	26
200	22	17	11	6	6	3	-1	-12	-6	0
210	11	10	0	0	0	0	8	4	-7	-19
220	-18	-12	-4	0	-6	-5	0	11	18	25
230	24	21	18	12	2	-7	-16	-22	-22	-20
240	-14	34	35	30	16	21	29	38	40	38
250	37	44	43	46	42	41	39	43	41	41
260	38	28	22	-2	-17	-38	-55	-56	-55	-49
270	35	20	-11	7	21	29	38	35	31	28
280	23	-14	-15	-17	-22	-27	-31	-41	-46	-46
290	-17	-4	-44	-39	-37	-24	-30	-35	-34	-18
300	-10	7	42	36	15	14	25	30	35	31
310	30	28	37	42	36	15	-18	-31	-30	-27
320	-34	-60	-71	-73	-72	-57	-41	-29	-23	-17
330	35	40	38	36	29	19	4	8	19	30
340	35	40	38	36	29	19	4	8	19	30
350	-10	5	3	0	-2	-2	4	8	19	30
360	-2	-64	-64	-63	-64	-47	-41	-35	-28	-11
370	-6	0	-3	-1	5	14	4	-6	-2	-10
380	14	19	18	11	4	0	-5	0	9	17
390	14	19	18	11	4	0	-5	0	9	17
400	27	23	22	39	50	54	53	53	53	53
410	52	49	47	50	54	54	53	53	53	53
420	-56	-57	-57	-57	-54	-43	-49	-52	-53	-56
430	-44	-84	-86	-84	-76	-64	-66	-69	-69	-69
440	-44	-84	-86	-84	-76	-64	-66	-69	-69	-69
450	-15	-13	-14	-13	-14	-16	-19	-19	-26	-20
460	-11	17	19	18	19	30	32	46	54	4
470	56	52	52	28	28	24	11	5	4	4
480	56	52	52	28	28	24	11	5	4	4
490	-33	-32	-32	-32	-29	-25	-13	-3	4	-33
500	4	2	2	6	13	22	15	15	15	23

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-23	-31	-27	-15	32	38	40	47	57	57
1060	73	71	59	42	29	31	43	57	56	20
1070	-4	-20	-36	-36	-42	-50	-56	-81	-93	-92
1080	-86	-74	-74	-74	-76	-76	-76	-74	-42	40
1090	46	53	58	57	40	2	-24	-44	-63	-60
1100	47	-76	61	-73	-60	-27	3	15	30	45
1110	57	61	62	62	63	66	66	70	85	89
1120	91	87	83	93	99	106	65	31	0	-11
1130	19	-12	-1	3	42	80	92	92	103	103
1140	103	103	106	110	110	109	109	108	87	27
1150	10	19	12	18	20	9	5	14	27	27
1160	38	38	12	18	-55	-85	-84	-94	-101	-101
1170	-102	-107	-135	-153	-157	-155	-145	-136	-109	-109
1180	-73	-37	13	30	52	71	71	65	73	73
1190	-80	-106	-114	-127	-147	-168	-175	-172	-125	-52
1200	-6	93	139	144	191	202	197	182	180	161
1210	157	98	26	10	-8	-25	-37	-36	-35	-22
1220	-22	-22	-40	-56	-56	-55	-53	-60	-63	-64
1230	-46	-28	-18	-18	-18	-17	-31	-47	-71	-100
1240	-110	-103	-85	-74	-74	-73	-53	-26	-10	-8
1250	16	39	79	81	84	84	65	53	52	51
1260	52	79	83	90	93	94	112	136	166	224
1270	232	232	222	168	105	36	-31	-73	-104	-132
1280	-156	-172	-183	-176	-174	-172	-175	-175	-179	-172
1290	-167	-103	-83	169	180	192	204	203	61	61
1300	83	84	157	169	180	192	204	203	202	195
1310	178	135	172	34	0	-25	-67	-72	-72	-72
1320	-62	-52	-19	18	78	94	121	144	155	174
1330	183	190	177	149	82	56	-26	-145	-167	-226
1340	-266	-298	-302	-302	-300	-289	-262	-246	-237	-220
1350	-207	-197	-183	-146	-112	-90	-73	-67	-49	-36
1360	-23	5	57	100	155	194	220	231	227	222
1370	220	227	222	176	125	115	82	65	62	42
1380	40	24	20	20	25	24	13	10	-3	-3
1398	-10	2	-2	-5	-6	-8	-11	-31	-62	-124
1400	-156	-190	-194	-197	-207	-223	-232	-233	-228	-211
1410	-204	-182	-140	-77	-77	-74	-76	-76	-70	-30
1420	18	47	175	97	108	111	123	143	151	151
1430	152	163	176	216	247	263	274	269	264	264
1440	263	260	238	194	177	131	91	42	-38	-60
1450	-107	-314	-200	-262	-281	-314	-316	-327	-336	-347
1460	-340	-314	-289	-212	-273	-275	-274	-269	-267	-255
1470	-257	-277	-285	-218	-244	-240	-207	-206	-195	-193
1480	-165	-89	-86	-45	17	40	44	85	99	103
1490	129	189	253	300	308	321	320	320	320	325
1500	329	331	315	265	234	213	217	219	214	195
1510	191	188	201	229	253	282	296	317	332	347
1520	350	358	338	357	315	285	251	201	151	74
1530	29	-43	-105	-173	-209	-232	-248	-278	-306	-318
1540	-322	-334	-336	-338	-354	-368	-383	-393	-404	-406
1550	-399	-382	-362	-354	-349	-338	-318	-280	-289	-284
1560	-278	-264	-231	-174	-131	-116	-104	-93	-83	-83
1570	-78	-100	-118	-125	-134	-138	-151	-157	-205	-215
1580	-213	-195	-160	-46	-34	-31	-67	-127	-254	-354

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	375	427	459	494	506	503	494	487	477	463
1600	450	414	342	284	237	191	159	126	99	79
1610	70	70	71	81	95	102	107	115	153	166
1620	166	171	183	185	173	142	142	147	56	-31
1630	112	-157	-182	-179	-242	-257	-269	-273	-274	-270
1640	-268	-256	-248	-239	-179	-142	-145	-124	-124	-124
1650	-140	-155	-158	-139	-123	-95	-34	-357	-349	-349
1660	-321	-280	-218	-165	-123	-97	-83	-73	-53	-15
1670	5	6	30	53	84	92	129	144	174	181
1680	252	302	330	374	407	438	474	479	474	465
1690	443	395	329	271	238	187	125	96	57	5
1700	43	-62	-124	-164	-194	-228	-233	-233	-233	-227
1710	271	-183	-199	-208	-232	-255	-256	-260	-260	0
1720	-14	-88	-148	-208	-232	-255	-256	-260	-260	0
1730	-238	-208	-171	-110	-80	-46	-46	-46	-46	0
1740	22	19	25	35	42	42	39	39	23	23
1750	22	23	22	23	32	51	51	63	63	85
1760	102	133	134	129	108	102	62	62	62	60
1770	-85	-72	-94	-112	-138	-160	-175	-165	-129	-74
1780	-82	-45	8	47	42	42	42	46	47	60
1790	60	54	50	30	-7	-44	-57	-57	-56	-51
1800	19	51	86	114	115	149	172	189	194	193
1810	186	173	156	139	124	120	111	79	15	-16
1820	-22	-36	-43	-57	-64	-64	-97	-105	-104	-97
1830	-85	-74	-74	-74	-74	-72	-68	-68	-69	-66
1840	-26	-26	-25	-22	-20	-18	-12	-14	-11	-24
1850	-40	-60	-63	-70	-69	-69	-39	-30	-16	-5
1860	0	15	19	26	29	57	93	107	116	127
1870	126	101	78	53	18	-29	-68	-104	-146	-169
1880	-175	-200	-204	-208	-215	-216	-193	-144	-145	-143
1890	-139	-126	-87	-73	-71	-69	-70	-71	-67	-36
1900	-2	-5	-4	-4	13	35	35	35	39	51
1910	113	112	109	105	102	102	108	109	95	60
1920	24	-3	-14	-22	-25	-36	-47	-45	-32	-29
1930	-24	-26	-30	-36	-41	-47	-45	-41	-32	-29
1940	-54	-16	30	42	48	51	53	60	66	78
1950	79	88	87	87	93	95	91	84	78	76
1960	84	87	79	55	33	30	24	26	27	39
1970	39	39	43	47	58	46	24	24	22	54
1980	-74	-98	-134	-134	-152	-164	-161	-152	-145	-139
1990	-132	-128	-120	-120	-124	-109	-83	-71	-53	-55
2000	-47	-58	-49	-41	-25	-13	-12	-12	-18	-22
2010	-25	-24	-24	-24	14	13	12	12	15	1
2020	25	24	24	24	57	90	118	141	174	174
2030	169	154	140	126	108	73	53	37	24	25
2040	23	18	4	-28	-66	-86	-120	-146	-168	-185
2050	-287	-220	-19	-208	-177	-134	-92	-53	-11	73
2060	56	120	155	151	150	146	142	133	108	108
2070	72	40	9	-11	-26	-38	-34	-34	-29	-20
2080	70	65	83	114	191	321	269	300	309	309
2090	296	253	172	156	118	67	0	-63	-101	-142
2100	-36	-207	-231	-231	-229	-211	-183	-155	-116	-66
2110	-89	-89	-89	-104	-105	-108	-112	-104	-79	-51
2120	-89	-89	-89	-104	-105	-108	-112	-104	-79	-51

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-55	-26	-29	26	20	19	31	33	34	12
2140	12	11	26	40	50	50	61	61	70	91
2150	129	141	140	135	134	130	131	131	125	118
2160	113	98	83	77	74	61	32	31	22	45
2170	-64	-69	-88	-102	-104	-106	-109	-109	-109	-97
2180	-82	-72	-59	-57	-56	-53	-47	-46	-42	-42
2190	-41	-48	-60	-80	-83	-101	-89	-87	-76	-76
2200	-100	-108	-108	-112	-118	-118	-112	-112	-81	-48
2210	-30	-32	-21	-27	-27	-64	101	144	188	208
2220	230	246	244	242	231	217	209	206	203	198
2230	197	196	204	211	216	215	208	209	198	190
2240	159	132	106	67	17	17	23	23	23	19
2250	-57	-57	-48	-45	-24	-14	-11	-11	-59	-60
2260	-39	-45	-65	-74	-88	-108	-140	-147	-133	-153
2270	-153	-156	-172	-202	-217	-238	-247	-247	-249	-240
2280	-242	-240	-220	-166	-147	-144	-97	-71	-63	-79
2290	61	104	131	141	140	132	104	56	-3	18
2300	-8	4	12	39	40	73	130	104	104	165
2310	251	320	345	366	376	375	357	336	304	317
2320	311	310	301	287	270	250	236	234	215	192
2330	180	147	131	122	110	108	98	94	91	69
2340	-27	-53	-67	-127	-164	-212	-238	-289	-321	-340
2350	-353	-374	-376	-361	-342	-322	-289	-255	-222	-200
2360	-192	-171	-158	-136	-119	-102	-81	-63	-43	-29
2370	-47	-17	-8	27	69	94	112	118	69	75
2380	60	67	49	32	29	12	11	18	14	-20
2390	-49	-67	-82	-81	-76	-72	-70	-78	-84	-87
2400	-94	-104	-124	-148	-163	-176	-184	-190	-190	-195
2410	-189	-194	-205	-216	-223	-227	-231	-238	-241	-258
2420	194	205	223	226	222	217	207	178	150	132
2430	225	226	222	222	217	146	144	138	108	80
2440	137	140	140	143	147	146	144	138	108	80
2450	66	42	26	7	-1	-24	-64	-57	-48	-20
2460	-157	-184	-222	-273	-307	-328	-364	-403	-438	-420
2470	-419	-408	-395	-376	-356	-328	-305	-287	-274	-244
2480	-204	-162	-111	-94	-34	4	47	21	106	211
2490	137	149	162	180	195	204	217	217	226	221
2500	288	302	336	368	381	384	374	348	325	278
2510	234	190	159	87	54	28	15	-22	-68	-80
2520	-84	-84	-83	-75	-65	-50	-39	-22	-20	-20
2530	-76	-32	-33	-37	-54	-71	-94	-132	-172	-200
2540	-140	-142	-144	-155	-160	-172	-187	-198	-191	-180
2550	-135	-113	-95	-75	-75	-70	-30	-2	18	159
2560	73	81	97	107	113	110	90	87	76	57
2570	83	82	75	68	78	97	117	134	136	135
2580	133	130	102	87	58	26	5	-24	-27	-15
2590	-26	-34	-56	-67	-73	-85	-92	-108	-131	-157
2600	-175	-190	-192	-179	-171	-159	-72	-68	-12	30
2610	75	70	71	69	59	52	40	20	0	35
2620	5	-6	4	-2	0	5	15	20	0	59
2630	90	104	105	113	110	104	91	83	77	59
2640	39	12	-25	-46	-48	-44	-37	-30	-29	-29
2650	-24	14	3	13	13	18	38	32	63	63
2660	103	118	122	129	149	172	173	175	171	168

TO BE CONTINUED

CONTINUED(S-733 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	140	109	63	24	-6	-54	-96	-107	-119	-122
2680	-121	-111	-95	-71	-54	-33	-20	-12	-38	-47
2690	50	58	55	51	49	28	-3	-5	-27	-38
2700	-27	-109	-154	-166	-171	-173	-172	-168	-164	-118
2710	-83	-53	-26	-3	8	23	47	67	149	193
2720	35	60	62	68	81	86	85	78	54	29
2730	13	4	4	9	24	49	79	123	146	159
2740	151	141	105	81	38	-1	-21	4	-42	-48
2750	-49	-41	-39	-32	-23	-17	-4	30	-62	-68
2760	60	52	50	40	27	-21	-67	-77	-82	-84
2770	-84	-84	-84	-83	-74	-63	-61	-58	-57	-54
2780	24	5	151	129	133	155	179	209	233	238
2790	234	207	151	118	54	11	16	26	47	84
2800	-63	-69	-63	-55	-46	-31	-31	-31	-34	-34
2810	-63	-77	-63	-55	-46	-31	-31	-31	-34	-34
2820	-165	-157	-146	-124	-108	-69	-19	-16	-16	-16
2830	10	7	8	9	21	18	11	5	1	-7
2840	-13	-16	-16	-16	-16	-16	-11	5	45	102
2850	117	151	171	202	218	217	209	184	147	132
2860	113	91	69	49	38	28	22	10	-32	-47
2870	-47	-60	-74	-82	-98	-108	-109	-102	-93	-98
2880	-98	-110	-123	-128	-129	-125	-121	-116	-105	-98
2890	-34	-19	19	49	83	141	163	180	194	206
2900	206	201	190	174	158	136	89	61	34	9
2910	0	-2	-34	-51	-62	-63	-62	-46	-33	6
2920	-31	-32	-34	-55	-74	-100	-118	-137	-141	-91
2930	-213	-226	-226	-222	-213	-209	-207	-207	-210	-215
2940	-18	-226	-232	-223	-183	-142	-84	-48	-2	21
2950	71	102	134	164	245	313	357	395	362	315
2960	405	414	414	412	403	383	340	341	319	283
2970	243	203	163	129	84	54	18	-6	-22	-36
2980	-47	-62	-77	-98	-132	-157	-167	-185	-212	-236
2990	-262	-288	-301	-307	-312	-317	-323	-328	-342	-349
3000	-308	-300	-278	-264	-258	-255	-219	-209	-180	-117
3010	-87	-57	-6	25	30	82	91	115	140	177
3020	195	209	208	201	189	174	162	139	143	155
3030	163	180	193	203	213	224	239	235	219	203
3040	162	101	53	33	30	-53	-81	-121	-140	-161
3050	-183	-194	-200	-200	-199	-198	-183	-161	-141	-113
3060	-129	-99	-69	-46	-32	-28	-26	-20	-13	6
3070	8	40	65	71	94	112	133	153	164	160
3080	163	169	160	147	125	106	73	68	64	60
3090	58	59	64	70	84	101	124	140	159	174
3100	119	118	96	71	22	-11	-34	-65	-100	-130
3110	-142	-146	-127	-116	-99	-84	-54	-38	-28	-21
3120	-21	-50	-67	-82	-92	-92	-90	-90	-80	-80
3130	-75	-42	19	51	59	75	102	110	124	124
3140	143	134	128	123	123	112	108	107	104	98
3150	65	62	60	59	63	68	69	64	64	64
3160	45	40	35	32	34	24	21	21	19	15
3170	0	-24	-28	-44	-61	-83	-113	-140	-150	-173
3180	-193	-201	-214	-214	-215	-207	-199	-183	-173	-173
3190	-169	-147	-128	-128	-128	-128	-128	-128	-128	-128
3200	111	21	34	55	82	106	135	155	150	150

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
3510	152	165	173	171	171	176	162	148	141	129	3750	-72	-85	-93	-102	-102	-115	-128	-135	-124	-110	
3520	115	133	111	103	99	88	77	65	41	57	3760	-65	-51	0	59	80	-115	-128	-135	-124	-110	
3530	47	34	118	101	96	98	46	51	85	66	3770	209	209	209	204	180	180	180	180	206	206	
3540	106	106	106	106	106	106	106	106	106	106	3780	62	58	52	55	55	55	55	55	55	186	186
3550	-76	-137	-153	-157	-181	-184	-184	-171	-71	-103	3790	174	183	183	174	159	145	133	105	119	136	
3560	-75	-73	8	18	35	48	56	67	59	60	3800	58	44	25	14	-37	-43	-43	-54	-72	-87	
3570	59	60	31	-27	-61	-88	-88	-87	-81	-69	3810	103	-118	-123	-127	-127	-126	-126	-126	-126	-111	
3580	76	61	38	-23	-34	-56	-65	-65	-73	203	3820	-85	-72	-75	-80	-81	-81	-81	-79	28	28	
3590	224	282	253	193	168	151	112	112	177	203	3830	-55	-49	-45	-41	-41	-41	-41	-41	104	92	
3600	-27	-31	-34	-56	-67	-75	-74	-75	-53	-52	3840	64	95	112	115	114	114	110	140	159	171	
3610	47	-56	-24	87	92	95	102	106	108	106	3850	89	88	186	104	119	140	159	171	172	172	
3620	41	54	81	87	92	95	102	106	108	106	3860	170	145	128	112	99	74	55	44	6	6	
3630	89	54	-16	-22	-22	-35	-46	-55	-58	-44	3870	-3	-10	-18	-24	-42	-55	-54	-49	-42	-37	
3640	-64	-63	-46	-46	-46	-46	-46	-46	-46	-46	3880	-27	-14	-14	-14	27	54	75	90	104	109	
3650	44	46	41	34	12	0	-12	-15	-21	43	3890	115	115	114	112	108	92	70	37	10	20	
3660	-10	16	0	3	3	17	14	14	11	12	3900	-28	-41	-51	-63	-69	-88	-113	-113	-113	-113	
3670	10	12	0	3	3	17	14	14	11	12	3910	-12	-30	-41	-45	-45	-45	-45	-45	-45	-45	
3680	-8	-13	-17	-13	-3	-3	-5	-13	-19	-28	3920	-9	26	47	60	66	72	74	74	74	73	
3690	-35	-60	-44	-44	-44	-39	-12	47	25	34	3930	-79	63	55	39	0	0	-20	-16	-16	-16	
3700	37	58	41	42	47	47	47	47	47	47	3940	-41	-51	-60	-70	-71	-71	-67	-57	-57	-57	
3710	31	23	19	25	29	32	51	49	39	39	3950	-11	16	23	35	41	40	36	36	36	36	
3720	66	93	52	55	52	51	51	40	22	29	3960	-29	-48	-59	-57	-55	-55	-55	-55	-55	-55	
3730	39	38	47	37	56	58	61	54	32	35	3970	-43	-30	-17	-10	-5	-3	-7	-7	-7	-7	
3740	72	71	16	-21	-29	-31	-22	-24	-44	-35	3980	-25	-23	-24	-25	-29	-29	-27	-19	-20	-21	
3750	5	0	-13	-2	-29	-31	-22	-24	-44	-35	3990	6	9	47	58	80	107	114	124	129	133	
3760	-23	-3	3	3	7	19	27	26	52	42	4000	137	137	137	136	131	125	113	114	164	85	
3770	64	53	56	40	21	15	45	-44	-38	-23	4010	48	24	-5	-25	-37	-51	-63	-75	-82	-82	
3780	-40	-55	-41	-44	-45	-44	-45	-45	-45	-45	4020	48	24	-5	-25	-37	-51	-63	-75	-82	-82	
3790	-10	73	1	8	28	40	53	53	56	52	4030	-82	-63	-82	-82	-82	-82	-82	-82	-82	-82	
3800	15	78	80	79	73	51	50	51	50	52	4040	19	19	23	23	23	31	31	49	74	81	
3810	-17	-17	-116	-24	-26	-30	-34	-34	-34	-34	4050	109	124	128	126	126	126	126	126	126	126	
3820	17	-77	-116	-11	-10	-10	-10	-10	-10	-10	4060	177	169	153	132	97	97	97	97	97	97	
3830	-51	-37	-33	-39	-35	-30	-27	-27	-15	-6	4070	1	-8	-11	-26	-41	-41	-41	-41	-41	-41	
3840	150	153	143	134	118	104	88	67	154	158	4080	-146	-185	-195	-204	-221	-221	-221	-221	-221	-221	
3850	157	154	145	134	118	104	88	67	154	158	4090	-210	-179	-167	-147	-106	-67	-23	-24	-24	-24	
3860	-13	-35	-36	-40	-40	-42	-44	-44	-47	72	4100	141	202	227	251	269	280	280	280	280	280	
3870	38	61	48	61	68	67	67	67	67	72	4110	289	245	252	231	221	207	192	192	192	192	
3880	73	81	88	72	80	103	113	121	121	108	4120	195	195	194	160	173	152	132	105	105	105	
3890	98	91	88	72	80	103	113	121	121	108	4130	168	47	23	13	-10	-20	-40	-40	-40	-40	
3900	8	92	6	43	20	-29	-8	-72	-67	0	4140	-158	-178	-205	-249	-300	-300	-300	-300	-300	-300	
3910	-12	-76	-105	-117	-126	-130	-127	-126	-126	-126	4150	-289	-249	-197	-172	-154	-132	-89	-79	-51	-89	
3920	36	-70	-137	-134	-132	-129	-104	-93	-83	-36	4160	-19	-14	-17	-11	-11	-11	-11	-11	-11	-11	
3930	-44	-57	-69	-81	-83	-157	-136	-136	-136	-136	4170	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4	
3940	-51	-57	-73	-89	-101	-121	-116	-116	-116	-116	4180	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14	
3950	-15	-14	-105	-96	-89	-73	-57	-57	-57	-57	4190	82	91	84	97	96	93	81	52	66	81	
3960	141	196	219	269	307	359	337	325	325	315	4200	66	60	52	35	18	10	-9	-9	-9	-9	
3970	247	264	238	227	216	180	163	145	145	156	4210	-81	-41	-51	-61	-61	-61	-61	-61	-61	-61	
3980	135	105	96	97	67	43	40	36	10	10	4220	-98	-88	-79	-78	-78	-78	-78	-78	-78	-78	
3990	-127	-124	-163	-173	-172	-171	-167	-157	-138	-134	4230	-90	-77	20	45	65	67	71	90	107	123	
3700	-85	-71	-63	-53	-45	-40	-30	-18	-18	-12	4240	124	122	115	108	87	62	45	26	21	13	
3710	-10	53	1	23	45	49	56	54	59	54	4250	-54	-44	-44	-44	-44	-44	-44	-44	-44	-44	
3720	-10	53	1	23	45	49	56	54	59	54	4260	-54	-44	-44	-44	-44	-44	-44	-44	-44	-44	
3730	58	56	1	55	47	46	38	35	27	28	4270	-37	-33	-33	-33	-33	-33	-33	-33	-33	-33	
3740	22	16	1	4	-18	-35	-41	-46	-50	-57	4280	-59	-51	-46	-35	-34	-34	-34	-34	-34	-34	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-733 U-0)

CONTINUED(S-733 U-D)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(5)	(6)	(7)	(8)	(9)	(10)
4290	-69	-78	-78	-77	-63	-53	-49	-45	-43	-23		-30	-41	-44	-46	-51	-65
4300	4	19	39	74	74	94	94	94	94	99		-64	-61	-61	-64	-67	-76
4310	99	99	99	95	94	94	94	94	94	87		-131	-136	-140	-139	-136	-123
4320	84	79	78	76	76	76	76	76	76	76		-88	-28	-4	15	48	52
4330	77	75	74	71	61	46	20	-35	-49	-49		-89	129	132	130	124	119
4340	-62	-84	-114	-141	-168	-187	-207	-215	-214	-214		98	123	132	130	124	119
4350	-214	-205	-178	-173	-170	-156	-131	-108	-89	-89		71	78	71	71	66	63
4360	-78	-67	-64	-33	-14	-12	-11	-11	-18	-54		71	82	53	47	25	-89
4370	55	70	108	125	154	185	204	227	245	247		-119	-126	-136	-133	-127	-123
4380	246	238	226	202	170	124	91	43	20	15		36	61	63	75	76	81
4390	-4	-13	-48	-74	-109	-129	-128	-128	-121	-121		103	109	112	112	112	113
4400	-115	-103	-80	-72	-72	-73	-72	-72	-72	-72		120	119	118	109	99	99
4410	-72	-72	-76	-76	-76	-65	-65	-65	-65	-65		47	41	33	18	-4	-45
4420	30	31	32	32	34	33	39	38	21	1		-82	-92	-103	-111	-122	-134
4430	-38	-55	-55	-61	-70	-71	-73	-78	-92	-92		-161	-167	-166	-164	-161	-153
4440	-102	-102	-106	-105	-105	-102	-84	-89	-89	-89		150	141	129	97	63	54
4450	-67	-61	-58	-36	0	26	59	68	89	103		51	38	34	34	30	30
4460	115	127	145	159	178	184	182	181	177	170		49	36	24	23	23	19
4470	171	156	141	121	107	83	66	52	45	34		49	36	24	23	23	19
4480	14	0	-16	-24	-20	-32	-38	-42	-44	-43		124	-36	-42	-78	-97	-115
4490	-41	-41	-41	-42	-41	-42	-42	-42	-44	-45		-123	-112	-101	-99	-91	-85
4500	-69	-61	-86	-109	-122	-122	-122	-122	-124	-123		-101	-99	-91	-85	-85	-80
4510	-121	-119	-116	-122	-123	-122	-101	-93	-74	-59		72	7	30	35	44	58
4520	-29	7	24	39	57	89	109	123	141	145		118	164	160	166	165	152
4530	151	154	155	155	155	156	160	165	175	175		116	105	102	103	105	110
4540	191	204	207	206	205	203	202	202	199	183		120	114	93	74	55	-16
4550	174	145	129	103	59	41	16	-6	-31	-61		120	116	100	116	120	-127
4560	-90	-118	-128	-140	-163	-174	-177	-182	-184	-185		-139	-137	-135	-134	-141	-156
4570	-185	-189	-186	-181	-177	-176	-170	-165	-156	-136		-163	-160	-153	-142	-141	-156
4580	-109	-96	-87	-72	-55	-36	-5	17	56	72		18	146	147	145	133	127
4590	89	122	152	160	164	175	179	189	203	212		179	148	147	145	133	127
4600	217	217	217	216	208	196	173	155	143	99		176	156	150	147	145	133
4610	72	52	22	-22	-44	-66	-90	-108	-125	-136		176	156	150	147	145	133
4620	-140	-150	-157	-160	-159	-156	-146	-132	-123	-84		176	156	150	147	145	133
4630	-77	-62	-61	-64	-66	-71	-73	-75	-79	-85		176	156	150	147	145	133
4640	-95	-104	-112	-113	-113	-112	-99	-65	-45	-4		176	156	150	147	145	133
4650	39	72	110	152	199	228	236	236	232	225		176	156	150	147	145	133
4660	216	211	201	190	183	162	144	134	124	109		176	156	150	147	145	133
4670	97	90	68	38	15	6	2	-5	-13	-25		176	156	150	147	145	133
4680	-37	-64	-73	-89	-108	-122	-128	-126	-123	-115		176	156	150	147	145	133
4690	-113	-109	-106	-106	-106	-105	-110	-110	-113	-116		176	156	150	147	145	133
4700	-116	-115	-115	-123	-123	-115	-109	-99	-83	-72		176	156	150	147	145	133
4710	-61	-52	-23	0	10	28	50	60	68	69		176	156	150	147	145	133
4720	68	67	64	61	60	55	51	41	34	29		176	156	150	147	145	133
4730	27	25	24	32	39	46	53	62	77	82		176	156	150	147	145	133
4740	96	109	114	122	121	119	118	108	101	93		176	156	150	147	145	133
4750	22	10	-9	-25	-55	-55	-57	-56	-57	-49		176	156	150	147	145	133
4760	-41	-39	-24	-1	23	34	41	63	83	99		176	156	150	147	145	133
4770	108	110	113	119	124	130	133	137	145	144		176	156	150	147	145	133
4780	160	160	160	175	176	174	174	174	174	174		176	156	150	147	145	133
4790	66	55	48	38	25	20	11	0	-7	-14		176	156	150	147	145	133
4800	-16	-20	-31	-36	-43	-48	-50	-51	-51	-52		176	156	150	147	145	133
4810	-52	-57	-56	-56	-51	-52	-51	-50	-49	-47		176	156	150	147	145	133
4820	-41	-40	-39	-30	-29	-22	-16	-7	0	0		176	156	150	147	145	133

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5370	185	201	198	203	204	194	182	165	146	131
5380	117	96	78	71	45	21	11	0	0	-7
5390	-6	-8	-5	0	0	-3	-12	-10	-14	-14
5400	-16	-18	-16	-19	-23	-37	-62	-70	-73	-71
5410	-70	-69	-65	-61	-50	-36	-13	-10	-4	0
5420	0	4	3	3	4	5	18	30	31	34
5430	31	35	36	38	41	42	42	41	40	37
5440	36	34	31	27	24	21	15	1	-3	-16
5450	-30	-42	-62	-74	-92	-112	-124	-129	-132	-128
5460	-130	-119	-91	-74	-54	-29	-4	0	28	33
5470	57	64	72	74	74	77	74	71	72	63
5480	60	59	58	58	57	58	57	60	68	78
5490	77	77	76	73	74	73	66	59	55	55
5500	38	24	6	-14	-30	-47	-60	-72	-77	-79
5510	-78	-79	-77	-80	-79	-77	-76	-78	-72	-71
5520	-68	-64	-54	-43	-29	-4	10	15	32	34
5530	35	36	32	29	27	24	23	20	17	14
5540	7	5	6	0	3	3	10	17	31	41
5550	51	64	70	78	84	88	89	89	87	84
5560	82	82	85	88	88	86	81	75	63	61
5570	43	45	26	20	14	10	2	0	-7	-4
5580	-2	7	13	16	17	18	18	18	18	21
5590	19	21	24	21	23	28	33	41	48	65
5600	78	83	85	89	89	80	72	68	67	66
5610	64	65	65	65	65	67	63	58	55	53
5620	47	27	13	3	-7	-9	-10	-6	-4	0
5630	0	3	8	12	14	14	17	24	31	33
5640	31	29	22	13	1	-20	-25	-34	-43	-48
5650	-54	-52	-53	-52	-51	-47	-40	-22	0	3
5660	21	32	37	41	47	52	56	59	68	71
5670	70	64	55	54	47	38	31	24	21	21
5680	23	24	23	22	23	21	20	23	27	26
5690	25	21	17	16	12	10	12	15	20	21
5700	24	26	29	31	29	27	30	32	38	41
5710	48	55	59	63	67	70	73	72	72	69
5720	65	50	39	31	29	29	28	32	41	45
5730	55	61	65	67	69	66	68	65	61	60
5740	52	39	15	1	-7	-22	-40	-47	-58	-64
5750	-81	-100	-104	-111	-111	-114	-134	-138	-142	-146
5760	-146	-143	-142	-143	-142	-131	-133	-119	-104	-104
5770	-71	-62	-33	-13	-4	20	24	34	40	44
5780	51	56	61	70	82	87	103	112	115	119
5790	126	136	144	147	156	155	154	149	146	146
5800	146	147	149	148	148	144	143	142	138	134
5810	113	84	147	39	24	3	-24	-46	-58	-66
5820	-84	-95	-101	-109	-112	-114	-114	-115	-112	-106
5830	-102	-94	-91	-86	-89	-89	-85	-79	-71	-65
5840	-57	-48	-37	-20	-10	2	15	20	36	57
5850	66	78	96	83	82	84	81	71	60	61
5860	57	50	45	23	15	3	5	0	0	6
5870	13	11	12	17	19	18	14	14	14	3
5880	4	0	-6	-12	-13	-11	-24	-28	-40	-40
5890	-45	-49	-62	-61	-58	-59	-56	-51	-44	-41
5900	-37	-32	-26	-22	-20	-20	-21	-21	-24	-20

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5910	-18	-13	-17	-17	-24	-28	-30	-28	-25	-22
5920	-17	-14	-9	0	4	0	4	8	12	17
5930	20	23	29	30	30	31	31	31	27	23
5940	15	13	17	23	27	31	34	47	71	86
5950	93	106	107	113	113	117	115	115	115	119
5960	116	117	116	113	108	98	83	78	75	74
5970	69	67	63	59	54	44	30	24	25	24
5980	27	28	32	37	41	39	44	48	51	51
5990	50	48	47	44	35	26	14	11	-3	-4
6000	90	84	81	86	90	95	96	95	97	99
6010	101	109	108	105	103	103	100	98	98	97
6020	96	96	99	100	99	104	107	110	112	120
6030	128	152	167	168	177	185	192	192	195	170
6040	197	189	190	190	199	97	94	89	79	65
6050	58	49	32	18	9	-6	-25	-40	-48	-48
6060	-49	-49	-46	-41	-35	-34	-34	-34	-31	-29
6070	-27	-25	-22	-22	-22	-22	-22	-22	-22	-22
6080	-48	-49	-48	-48	-43	-42	-42	-42	-43	-43
6090	-3	7	26	38	42	54	59	59	62	61
6100	60	59	58	56	56	56	56	56	62	69
6110	77	80	88	96	99	99	98	96	92	91
6120	91	91	93	93	88	79	78	77	64	62
6130	58	56	53	44	39	36	28	17	4	-6
6140	-20	-32	-45	-51	-52	-52	-52	-52	-51	-45
6150	-39	-36	-31	-20	-14	-11	-11	-6	-2	-2
6160	4	5	6	8	18	25	28	39	49	46
6170	50	56	55	53	53	52	47	45	43	37
6180	29	18	9	5	2	-1	-2	-2	-2	0
6190	-1	-2	-5	-12	-12	-13	-14	-17	-20	-20
6200	-21	-20	-16	-13	-10	-10	-10	-12	-12	-10
6210	-10	-12	-18	-18	-17	-18	-22	-26	-31	-38
6220	-44	-50	-53	-56	-58	-59	-59	-59	-59	-59
6230	-58	-54	-52	-45	-43	-39	-33	-24	-21	-16
6240	-6	4	18	19	29	42	72	85	92	98
6250	101	101	103	103	99	89	81	69	61	50
6260	36	23	6	6	6	6	6	6	5	5
6270	8	8	8	8	14	18	25	25	23	19
6280	15	0	-11	-15	-32	-40	-40	-64	-87	-90
6290	-94	-104	-115	-118	-122	-122	-121	-117	-113	-103
6300	-95	-83	-70	-62	-54	-49	-49	-32	-25	-18
6310	-11	-6	-3	0	10	10	19	21	28	30
6320	30	30	33	34	35	39	39	37	38	43
6330	47	52	59	59	60	59	59	60	63	63
6340	63	62	59	55	52	49	46	43	43	43
6350	42	42	39	34	28	21	16	9	0	0
6360	-9	-19	-24	-24	-28	-29	-30	-31	-29	-30
6370	-34	-36	-40	-42	-42	-42	-42	-42	-40	-40
6380	-38	-35	-31	-29	-29	-29	-27	-27	-25	-26
6390	-26	-28	-28	-28	-29	-28	-28	-28	-28	-28
6400	-2	15	26	43	52	69	78	91	106	136
6410	118	128	134	137	137	135	136	135	134	133
6420	132	132	132	132	130	130	132	132	131	130
6430	121	108	94	77	66	52	38	28	15	4
6440	-8	-17	-26	-35	-38	-46	-56	-62	-62	-62

TO BE CONTINUED

CONTINUED(S-733 U-D)

CONTINUED(S-733 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6450	-62	-64	-64	-66	-66	-66	-66	-66	-66	-66
6460	-65	-62	-61	-62	-62	-62	-62	-62	-62	-62
6470	-19	-9	8	19	32	48	64	77	87	96
6480	106	110	117	124	124	124	124	123	117	116
6490	107	96	92	68	49	39	41	23	11	3
6500	-16	-26	-30	-36	-40	-42	-47	-51	-54	-54
6510	-55	-53	-53	-53	-53	-53	-53	-54	-54	-54
6520	-53	-48	-42	-40	-32	-25	-21	-14	-9	-3
6530	-2	6	12	24	39	54	70	87	104	121
6540	42	47	48	50	52	54	53	54	54	53
6550	53	54	55	52	50	49	47	47	46	46
6560	44	38	34	35	31	25	16	8	6	0
6570	-4	-8	-8	-7	-8	-10	-12	-12	-11	-12
6580	-17	-27	-40	-55	-64	-70	-74	-79	-86	-90
6590	-23	-32	-40	-47	-54	-61	-68	-75	-83	-90
6600	-17	-16	-10	-6	0	6	15	25	35	45
6610	44	43	44	44	44	45	45	43	41	40
6620	39	35	33	30	25	20	15	8	6	2
6630	-5	-12	-22	-33	-40	-46	-54	-64	-80	-100
6640	-63	-62	-63	-61	-59	-54	-54	-55	-51	-48
6650	-47	-46	-46	-50	-52	-54	-55	-57	-61	-63
6660	-64	-64	-63	-62	-60	-56	-52	-47	-41	-37
6670	-10	4	14	27	32	35	36	40	46	45
6680	44	42	40	38	35	30	28	25	26	29
6690	25	25	25	22	22	24	24	29	29	29
6700	31	33	35	40	43	47	47	50	51	56
6710	62	65	68	73	82	87	93	98	100	105
6720	107	107	106	102	100	95	87	86	84	77
6730	71	52	39	25	12	1	-8	-21	-30	-30
6740	-32	-53	-34	-36	-35	-27	-24	-17	-15	-7
6750	-6	-6	-11	-14	-17	-21	-22	-21	-18	-18
6760	-17	-15	-13	-13	-12	-12	-12	-13	-13	-6
6770	-1	3	4	5	5	4	6	6	8	9
6780	8	8	9	8	2	0	-2	-7	-10	-12
6790	-18	-24	-30	-36	-40	-50	-56	-63	-70	-80
6800	-87	-87	-87	-87	-87	-87	-87	-88	-90	-90
6810	-90	-87	-81	-81	-82	-83	-82	-80	-80	-80
6820	29	40	46	46	46	46	43	40	40	39
6830	39	39	36	37	40	44	44	46	49	49
6840	48	48	48	48	43	39	35	28	15	5
6850	-2	-6	-12	-17	-18	-18	-18	-17	-18	-17
6860	16	15	14	12	12	-6	-4	0	8	8
6870	14	15	17	18	18	22	26	25	22	25
6880	30	36	36	36	36	37	42	50	55	55
6890	56	54	58	63	71	74	78	79	82	82
6900	82	84	79	69	67	59	48	46	44	41
6910	38	30	21	14	8	-1	-5	-9	-10	-6
6920	-6	-8	-12	-20	-22	-27	-35	-43	-50	-60
6930	-52	-51	-50	-50	-48	-41	-39	-35	-25	-24
6940	32	32	35	35	35	35	39	43	47	48
6950	53	40	35	35	35	35	35	35	35	35
6960	40	35	30	26	22	16	10	6	4	4
6970	40	35	30	26	22	16	10	6	4	4
6980	-36	-42	-46	-49	-53	-53	-52	-52	-51	-49

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7530	19	22	25	28	32	36	40	41	45	46
7540	45	46	48	48	47	46	45	39	35	35
7550	30	24	23	19	17	12	11	8	23	23
7560	9	10	15	17	19	16	18	26	23	23
7570	24	24	24	21	19	15	18	26	23	23
7580	-2	-5	-9	-14	-17	-20	-32	-42	-47	-47
7590	-53	-54	-54	-53	-53	-56	-47	-47	-45	-44
7600	-43	-40	-35	-37	-30	-26	-24	-20	-17	-19
7610	-6	-2	-4	-3	-10	-8	-8	-8	-6	-6
7620	7	8	7	6	-1	-3	9	9	8	7
7630	6	8	12	15	15	19	19	18	15	18
7640	20	22	22	22	20	18	19	18	15	18
7650	-1	16	24	25	20	18	19	12	5	4
7660	16	16	24	29	29	30	32	22	16	14
7670	30	31	29	30	30	30	28	22	22	20
7680	16	13	8	8	0	0	2	3	4	4
7690	-2	-2	0	-2	0	0	0	-2	8	11
7700	0	14	22	23	27	29	30	30	32	31
7710	15	14	33	31	29	29	29	32	32	30
7720	35	33	31	28	26	25	22	18	15	13
7730	9	10	10	8	7	7	12	15	15	13
7740	-22	-24	-24	-25	-25	-22	-18	-18	-18	-14
7750	-12	-9	-5	-4	-2	-2	-2	-2	-1	4
7760	3	3	4	4	4	6	6	4	4	4
7770	9	16	19	25	29	30	33	32	32	30
7780	32	32	32	30	29	29	29	32	32	30
7790	15	10	35	32	29	29	29	32	32	30
7800	-39	-42	-41	-43	-42	-43	-43	-31	-22	-27
7810	-44	-43	-42	-42	-42	-40	-39	-39	-25	-21
7820	-21	-16	-12	-8	-2	-3	-9	-3	-2	-2
7830	16	18	18	18	18	19	20	18	15	15
7840	8	5	0	5	-15	-10	-10	-12	-11	-14
7850	-14	-9	-16	-16	-17	-16	-16	-12	-11	-10
7860	-10	-9	-9	-11	-9	-8	-8	-7	-8	-10
7870	-11	-8	-7	-5	-2	0	0	0	0	0
7880	14	16	19	22	22	22	22	26	26	26
7890	29	30	30	26	22	20	20	20	20	20
7900	29	24	21	14	15	10	10	9	7	3
7910	-13	-24	-24	-23	-25	-24	-25	-25	-27	-29
7920	-17	-16	-14	-14	-17	-17	-17	-17	-17	-17
7930	-17	-17	-17	-17	-14	-13	-13	-14	-12	-13
7940	-13	-13	-6	-6	-8	-8	-5	-4	-4	-4
7950	-4	-4	-6	-6	-8	-6	-6	-6	-6	-6
7960	2	5	3	3	8	6	6	6	6	6
7970	16	19	20	20	21	22	18	16	15	16
7980	8	2	2	2	1	1	1	0	0	0
7990	-17	-13	-17	-21	-21	-21	-18	-18	-12	-12
8000	-21	-25	-25	-25	-25	-24	-21	-25	-24	-21
8010	-25	-24	-25	-25	-25	-24	-24	-24	-24	-25
8020	-18	-17	-17	-17	-19	-19	-19	-21	-22	-19
8030	4	4	4	4	4	4	4	4	4	4
8040	-2	-5	-6	-6	-15	-18	-18	-23	-26	-26
8050	-2	-4	-2	-5	-15	-18	-17	-17	-18	-18
8060	-17	-19	-20	-19	-21	-27	-33	-42	-47	-52

TO BE CONTINUED

CONTINUED(S-733 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8070	-56	-62	-68	-67	-67	-70	-70	-70	-67	-59
8080	-55	-49	-40	-47	-22	-40	-47	-47	-47	0
8090	15	14	14	17	39	0	6	10	14	18
8100	-26	-30	-34	-37	-39	-39	-39	-37	-35	-33
8110	-26	-29	-26	-23	-22	-18	-18	-18	-16	-16
8120	-16	-14	-13	-13	-13	-13	-14	-15	-16	-14
8130	-11	-12	-8	-4	-2	-7	-1	-9	0	13
8140	4	4	4	7	7	7	9	9	13	14
8150	14	15	15	15	15	16	16	17	20	24
8160	28	28	29	27	25	23	18	14	14	10
8170	4	-1	-5	-8	-13	-13	-12	-15	-20	-25
8180	-26	-26	-26	-27	-26	-24	-23	-24	-23	-20
8190	-17	-18	-16	-13	-12	-12	-12	-12	-11	-11
8200	-13	-17	-18	-18	-16	-16	-16	-16	-17	-17
8210	-27	-27	-24	-21	-20	-19	-19	-19	-19	-17
8220	-17	-18	-18	-17	-17	-16	-16	-14	-14	-14
8230	-12	-7	-4	-4	-3	-1	4	9	10	14
8240	18	23	24	28	27	28	28	29	28	28
8250	28	27	26	24	23	22	20	19	18	18
8260	16	14	14	14	14	14	11	10	10	10
8270	8	9	8	7	0	-5	-9	-12	-24	-29
8280	-32	-34	-34	-32	-46	-47	-47	-47	-45	-43
8290	-7	-2	0	0	0	-6	-21	-18	-13	-11
8300	3	0	-2	-4	-3	3	3	3	3	4
8310	3	0	-2	-4	-3	-6	-9	-12	-20	-23
8320	-25	-28	-32	-32	-32	-35	-35	-34	-34	-34
8330	-36	-36	-34	-33	-32	-29	-27	-26	-25	-24
8340	-24	-20	-20	-18	-16	-16	-16	-14	-14	-14
8350	-13	-13	-14	-13	-13	-13	-13	-13	-12	-10
8360	-6	-2	0	6	6	6	6	6	6	7
8370	5	2	2	0	0	-6	-10	-14	-17	-21
8380	-25	-28	-29	-33	-37	-43	-49	-50	-50	-50
8390	-52	-52	-52	-52	-52	-52	-51	-51	-52	-51
8400	-50	-50	-50	-49	-48	-47	-45	-43	-41	-40
8410	-39	-37	-33	-29	-27	-25	-21	-14	-10	-5
8420	0	8	8	14	19	24	25	28	31	35
8430	36	36	36	38	37	36	36	36	36	36
8440	31	30	30	29	29	28	27	26	24	24
8450	20	16	13	13	10	7	4	0	-2	-2
8460	-4	-4	-6	-6	-14	-13	-13	-13	-13	-13
8470	-12	-10	-9	-9	-9	-6	-6	-6	-4	-4
8480	6	9	14	17	21	21	23	26	30	30
8490	32	32	34	32	32	29	25	26	20	20
8500	17	15	10	8	6	2	-6	-16	-20	-20
8510	13	15	13	10	7	-4	-7	-16	-17	-17
8520	-12	-15	-18	-18	-18	-18	-18	-18	-17	-17
8530	24	24	19	15	14	10	7	2	2	7
8540	-3	-4	-4	-4	-4	-5	-5	-5	-5	-5
8550	0	3	3	3	3	-1	-3	-3	-3	-3
8560	-7	-11	-12	-13	-18	-18	-18	-19	-20	-20
8570	-20	-20	-20	-20	-17	-13	-13	-13	-13	-13
8580	-4	-3	-2	-2	8	8	8	8	8	10
8590	14	16	16	18	17	18	21	21	22	19
8600	20	19	19	22	18	13	15	15	11	8

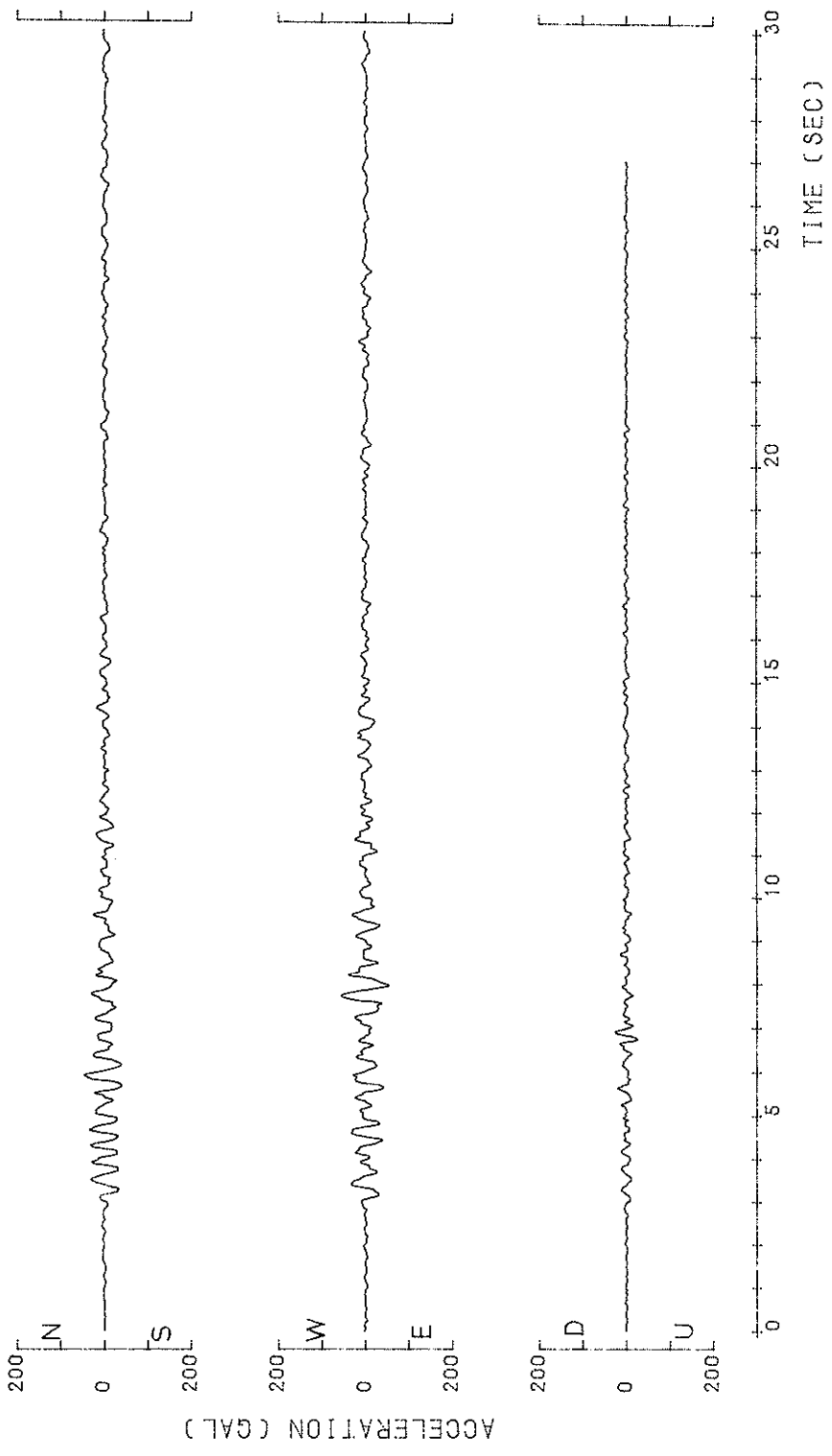
TO BE CONTINUED

CONTINUED(S-733 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8610	-2	-1	-2	-2	-2	-7	-7	-7	-7	-9
8620	-10	-7	-6	-10	-12	-12	-9	-11	-18	-16
8630	-18	-17	-18	-18	-18	-17	-16	-13	-12	-14
8640	-12	-9	-6	-6	-6	-7	-7	-6	-5	-2
8650	-2	3	3	4	4	7	7	7	4	-3
8660	-3	-10	-9	-9	-12	-11	-12	-14	-13	-14
8670	-14	-14	-14	-14	-14	-14	-14	-12	-8	-5
8680	-2	-3	-2	0	3	5	5	4	3	-2
8690	0	0	-3	-4	-6	-7	-6	-10	-12	-13

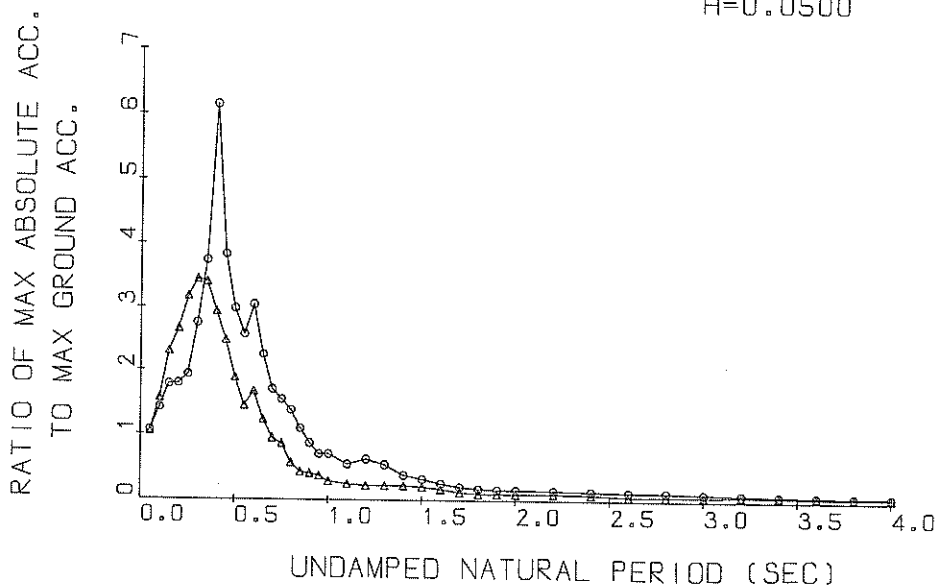
END

S-782 SHIOGAMA-KOJYO-S 1973-11-19-22-02



S-782 SHIOGAMA-KOJYO-S
1973-11-19-22-02

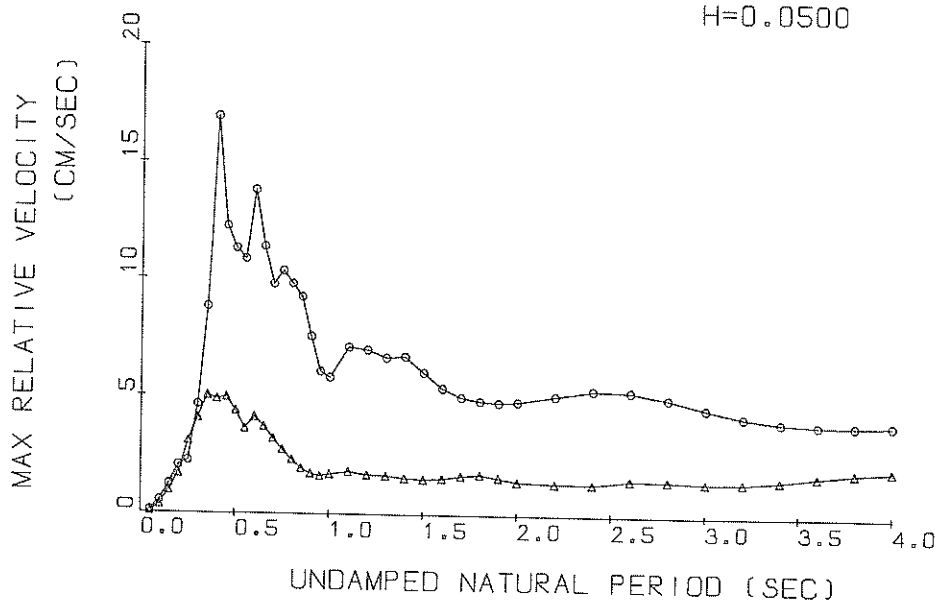
○ N-S
△ U-D
H=0.0500



Response Spectra

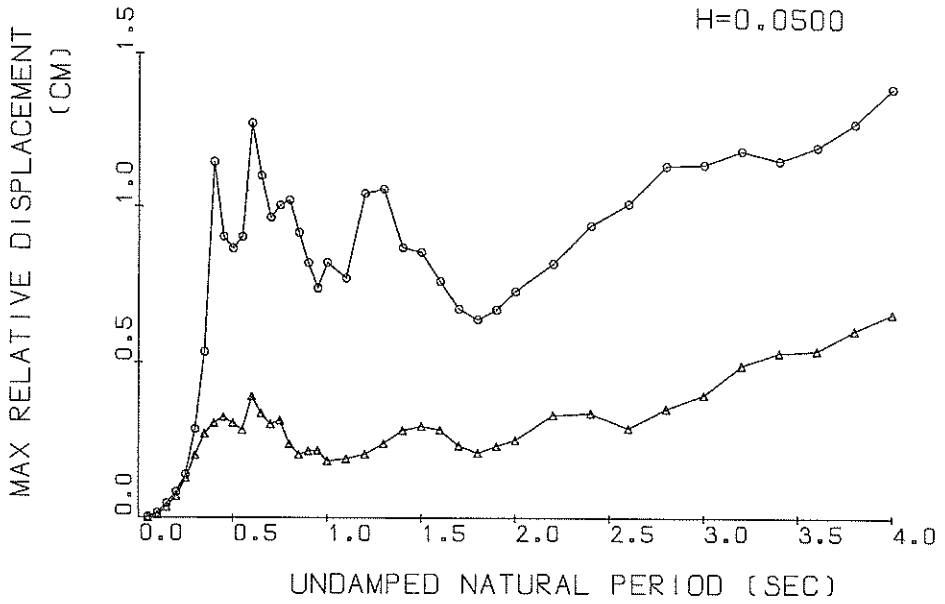
S-782 SHIOGAMA-KOJYO-S
1973-11-19-22-02

○ N-S
△ U-D
H=0.0500



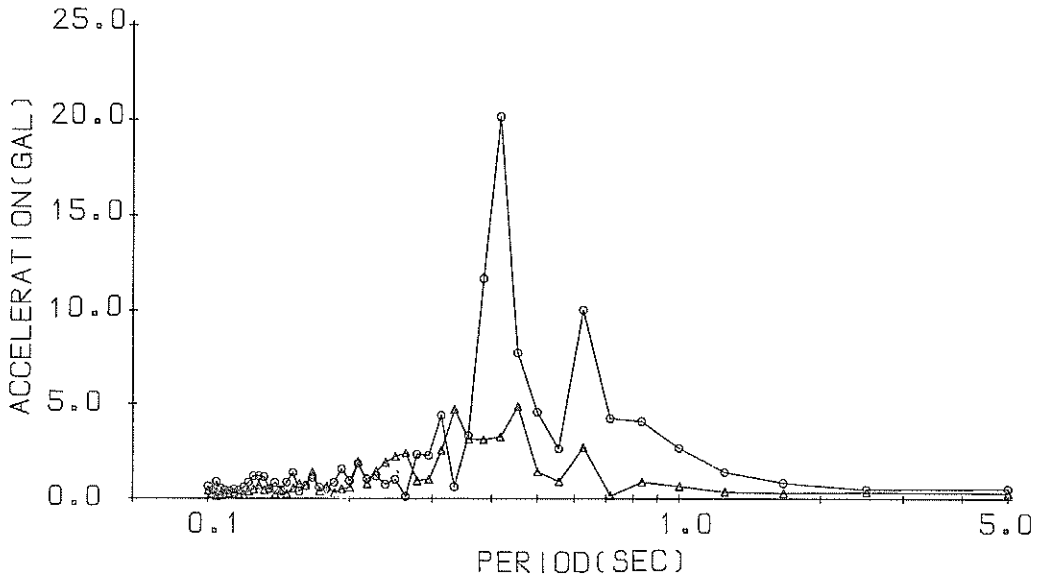
Response Spectra

S-782 SHIOGAMA-KOJYO-S ○ N-S
1973-11-19-22-02 ▲ U-D
H=0.0500



Response Spectra

S-782 ○ N-S TSK=3.00 TUS=5.00
▲ U-D TSK=3.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-782 COMPONENT = U-0 SIGNAL = GR.ACC. CORRECTION = ZERO.ARC STATION = SHIOGAMA-KOJO-Y-S
 DATE AND TIME = 1973-11-19-22-02 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 25.90 (GAL)
 TIME LENGTH = 25.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	40.4	0.21	0.003	27.9	0.08	0.002	27.0	0.07	0.002	26.6	0.06	0.002	26.4	0.06	0.002
0.10	95.9	1.32	0.024	46.1	0.43	0.012	40.4	0.35	0.010	36.6	0.30	0.009	32.7	0.24	0.008
0.15	111.8	2.64	0.064	65.8	1.13	0.038	59.5	0.95	0.034	52.0	0.77	0.029	40.6	0.54	0.022
0.20	135.2	4.24	0.137	78.8	1.97	0.079	68.8	1.67	0.070	58.7	1.31	0.059	45.0	0.91	0.043
0.25	166.9	7.25	0.296	94.1	3.67	0.148	82.1	3.09	0.129	68.6	2.38	0.107	50.2	1.45	0.073
0.30	155.8	7.42	0.355	104.3	4.86	0.237	89.0	4.07	0.202	72.1	3.32	0.161	49.9	1.94	0.103
0.35	227.7	12.60	0.707	110.5	6.34	0.342	88.0	5.02	0.271	68.1	3.75	0.207	44.3	2.29	0.122
0.40	210.3	13.41	0.852	106.1	6.87	0.400	76.0	4.87	0.307	55.3	3.73	0.219	35.7	2.37	0.125
0.45	168.6	11.83	0.865	83.0	6.51	0.425	64.1	4.95	0.327	43.8	3.54	0.220	27.5	2.20	0.117
0.50	98.0	8.51	0.620	63.4	5.75	0.400	48.7	4.37	0.307	36.4	3.03	0.226	22.7	1.91	0.124
0.55	59.5	5.68	0.456	43.4	4.30	0.332	37.4	3.61	0.284	29.3	2.75	0.219	20.0	1.65	0.132
0.60	181.5	17.30	1.655	68.0	6.54	0.620	43.3	4.11	0.393	26.1	2.58	0.233	17.6	1.72	0.137
0.65	40.8	4.45	0.436	37.2	4.26	0.397	31.9	3.72	0.340	23.2	2.72	0.243	15.2	1.74	0.137
0.70	42.6	4.97	0.528	27.6	3.56	0.342	24.6	3.19	0.303	19.8	2.55	0.240	12.9	1.71	0.134
0.75	47.1	5.83	0.672	28.1	3.38	0.399	24.3	2.72	0.316	16.6	2.13	0.230	10.9	1.66	0.129
0.80	33.5	4.31	0.343	19.1	2.66	0.310	14.9	2.30	0.240	12.3	1.97	0.194	9.4	1.59	0.125
0.85	19.8	2.61	0.363	12.7	2.02	0.232	11.3	1.93	0.206	9.1	1.84	0.162	8.4	1.59	0.119
0.90	24.8	3.44	0.508	14.2	2.07	0.291	10.6	1.71	0.217	8.2	1.73	0.162	7.5	1.59	0.115
0.95	19.4	3.09	0.443	12.5	2.05	0.286	9.7	1.61	0.220	7.1	1.67	0.156	6.8	1.58	0.118
1.00	13.4	2.57	0.340	8.8	1.72	0.223	7.4	1.69	0.186	6.0	1.68	0.144	6.2	1.57	0.120
1.10	11.1	2.18	0.341	7.6	1.91	0.232	6.4	1.81	0.193	5.2	1.69	0.151	5.2	1.55	0.130
1.20	7.8	1.80	0.286	6.5	1.72	0.238	5.8	1.67	0.208	5.1	1.58	0.182	4.7	1.52	0.146
1.30	9.4	1.95	0.401	6.8	1.74	0.289	5.7	1.65	0.242	5.1	1.50	0.212	4.3	1.50	0.162
1.40	7.3	2.16	0.362	6.4	1.72	0.315	5.8	1.55	0.284	5.1	1.48	0.242	4.1	1.49	0.174
1.50	6.2	1.64	0.351	5.7	1.56	0.325	5.3	1.50	0.298	4.7	1.51	0.253	3.9	1.49	0.181
1.60	5.7	1.78	0.373	5.0	1.60	0.321	4.5	1.55	0.287	4.0	1.54	0.245	3.6	1.49	0.182
1.70	4.0	1.81	0.290	3.3	1.73	0.243	3.3	1.67	0.235	3.3	1.59	0.222	3.2	1.49	0.180
1.80	4.5	2.03	0.368	2.9	1.84	0.234	2.6	1.72	0.212	2.7	1.59	0.203	2.9	1.48	0.176
1.90	3.4	1.77	0.311	2.9	1.66	0.263	2.6	1.60	0.234	2.4	1.53	0.200	2.6	1.46	0.178
2.00	6.0	1.88	0.605	3.2	1.55	0.328	2.6	1.43	0.254	2.2	1.42	0.203	2.5	1.45	0.188
2.20	4.3	2.08	0.528	3.4	1.63	0.410	2.8	1.37	0.336	2.3	1.29	0.260	2.3	1.42	0.213
2.40	4.0	1.40	0.588	2.6	1.35	0.378	2.4	1.35	0.341	2.2	1.37	0.293	2.2	1.43	0.232
2.60	2.2	1.70	0.376	2.0	1.60	0.337	1.7	1.54	0.293	1.9	1.47	0.280	2.1	1.45	0.246
2.80	2.5	1.57	0.500	2.1	1.54	0.407	1.8	1.52	0.357	1.6	1.50	0.277	1.9	1.47	0.277
3.00	1.9	1.36	0.432	1.9	1.41	0.432	1.8	1.45	0.401	1.6	1.49	0.345	1.9	1.50	0.319
3.20	2.8	1.34	0.731	2.2	1.42	0.577	1.9	1.46	0.497	1.7	1.52	0.418	1.8	1.53	0.363
3.40	3.1	1.54	0.905	2.2	1.57	0.650	1.8	1.58	0.537	1.6	1.60	0.455	1.8	1.57	0.405
3.60	2.0	1.83	0.654	1.8	1.79	0.580	1.7	1.76	0.544	1.7	1.71	0.491	1.8	1.60	0.447
3.80	1.9	2.09	0.706	1.8	1.99	0.653	1.7	1.92	0.609	1.7	1.81	0.541	1.7	1.64	0.493
4.00	2.0	2.24	0.798	1.8	2.12	0.708	1.7	2.02	0.661	1.6	1.88	0.589	1.7	1.66	0.544

PER * PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD - S-782 COMPONENT - U-D STATION - SHIOGAMA-KOJYO-S
 DATE AND TIME - 1973-11-19-22-02 TOTAL NUMBER OF DATA - 2700
 SAMPLING INTERVAL - 0.10 (SEC) UNIT - 0.1 GAL
 SIGNAL - GR.ACC. CORRECTION - ZERO.ARC

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	17	37	17	17	14	9	3	9	9	9
10	7	6	9	9	9	9	11	15	12	7
20	0	-5	-8	-1	5	5	5	0	-10	0
30	-4	-2	1	6	17	22	20	18	17	0
40	17	16	7	7	3	9	0	3	10	-3
50	-12	-11	-7	-3	-1	-3	-6	-9	-10	-7
60	-1	2	14	24	33	32	27	21	18	14
70	10	2	1	1	1	1	7	9	0	6
80	2	1	1	-3	-10	-7	0	8	13	3
90	15	13	7	5	-5	-10	-7	2	21	27
100	23	22	17	11	11	11	10	11	11	1
110	10	7	4	-3	-16	-17	-10	-1	1	-3
120	-7	-7	-7	0	10	6	7	7	0	-3
130	-8	-3	-1	-1	-3	-7	-7	0	7	-3
140	-3	-3	-1	1	4	7	7	6	6	6
150	0	0	0	0	-3	-1	1	-6	-4	-2
160	1	6	0	9	10	11	11	11	10	2
170	11	13	20	20	20	16	4	-13	-14	-9
180	-19	-20	-20	-19	-19	-17	-14	-14	-6	-14
190	-5	-4	-3	-1	1	0	3	11	17	24
200	30	31	31	31	30	24	20	15	13	10
210	1	0	0	-6	-10	-14	-14	-11	-3	0
220	11	17	14	11	7	1	2	9	9	9
230	9	-15	-16	-20	-16	-5	10	15	16	11
240	3	4	7	10	11	11	11	7	3	3
250	3	0	1	-2	-17	-23	-24	-25	-25	-26
260	3	0	1	16	22	25	29	33	33	37
270	37	37	44	47	47	47	49	48	43	38
280	38	36	30	24	17	13	7	7	1	-17
290	-43	-64	-79	-80	-83	-83	-86	-87	-86	-84
300	-75	-65	-57	-50	-42	-26	-18	5	18	37
310	47	52	62	77	93	107	119	119	118	112
320	106	97	92	93	92	78	48	26	12	-2
330	-14	-20	-20	-29	-29	-48	-69	-89	-100	-100
340	-105	-104	-101	-101	-104	-104	-106	-95	-77	-77
350	-60	-40	-27	-16	-6	17	34	47	47	52
360	62	71	83	90	96	105	113	116	116	112
370	106	98	95	95	95	95	95	95	95	95
380	106	98	95	95	95	95	95	95	95	95
390	-25	-39	-45	-51	-56	-65	-72	-81	-91	-90
400	-86	-80	-75	-74	-65	-57	-48	-39	-27	1
410	23	46	62	84	104	117	116	114	112	107
420	190	95	88	76	50	35	23	12	0	-23
430	-30	-49	-63	-70	-76	-75	-70	-68	-64	-42
440	-10	12	31	47	51	47	36	28	20	20
450	23	35	39	40	47	51	51	51	51	51
460	53	47	50	50	51	51	51	51	51	51
470	54	-73	-72	-69	-49	-58	-57	-44	-44	-39
480	24	29	29	35	35	35	34	32	12	-14
490	-36	-29	-15	-38	69	73	53	36	20	12
500	8	9	17	24	20	17	9	1	-5	-5

TO BE CONTINUED

CONTINUED(S-782 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	-6	-10	-3	6	6	11	34	14	14	14
520	20	40	61	-7	-49	-81	-92	-100	-104	-103
530	16	-4	-76	-41	-76	-71	-71	-68	-48	-48
540	-93	-85	-40	-10	11	30	50	73	88	119
550	-41	-41	184	196	195	183	160	133	102	79
560	135	161	184	196	195	183	160	133	102	79
570	67	39	8	-19	-38	-38	-41	-40	-32	-43
580	-53	-71	-77	-76	-67	-56	-43	-24	-20	-23
590	-25	-30	-34	-29	-41	-40	-37	-33	-30	-34
600	600	-38	-38	-29	-26	-17	-7	-3	10	61
610	26	40	58	74	89	92	91	83	71	61
620	61	72	75	81	79	61	39	26	21	18
630	12	2	-9	-25	-33	-33	-44	-65	-87	-87
640	-95	-113	-113	-112	-100	-74	-36	-14	22	22
650	30	46	62	76	81	77	73	71	64	72
660	87	109	135	150	151	152	139	92	20	-36
670	105	-169	-208	-239	-247	-247	-238	216	-208	-180
680	-147	-109	-6	-10	45	99	156	208	235	250
690	259	258	249	214	185	148	95	51	59	237
700	-37	-75	-107	-114	-128	-144	-143	-122	-83	-46
710	24	-1	22	45	46	41	30	26	-21	-69
720	-63	-62	-55	-51	-38	-3	23	40	59	40
730	76	80	77	71	64	52	49	47	40	37
740	31	25	25	29	31	35	24	4	4	-8
750	-27	-14	-4	33	30	37	40	49	59	-18
760	60	46	33	30	23	13	-6	-26	-33	-57
770	-85	-105	-128	-144	-142	-122	-103	-78	-47	-58
780	-48	-39	-14	-4	6	15	17	24	28	28
790	68	89	101	112	106	87	69	41	51	10
800	17	13	5	1	-3	-1	4	9	11	10
810	14	11	12	32	40	37	33	17	3	-15
820	-20	-25	-27	-38	-51	-54	-53	-50	-48	-45
830	-53	-41	-60	-54	-50	-36	-22	-12	-3	5
840	11	11	20	28	61	44	22	12	3	5
850	0	1	-4	-14	-11	-11	-10	-7	-7	-13
860	-13	-16	11	42	87	133	144	145	144	133
870	120	101	70	50	40	9	-14	-21	-20	-177
880	-15	-8	-11	-11	-17	-13	-7	-13	-20	-16
890	31	37	37	20	10	-8	-30	-50	-63	-16
900	-77	-82	-78	-78	-79	-79	-78	-74	-62	-59
910	52	50	55	44	25	22	49	53	62	60
920	69	55	50	40	24	17	23	42	62	80
930	88	82	71	52	42	30	27	31	41	40
940	93	88	38	36	30	27	27	27	31	41
950	-6	-10	-29	-39	-39	-59	-40	-44	-50	-71
960	-85	-104	-112	-113	-112	-92	-54	-20	12	30
970	27	24	20	24	20	37	48	57	52	50
980	40	38	34	37	37	37	34	21	17	16
990	20	23	39	57	50	41	46	21	28	25
1000	14	5	39	20	-29	-31	-20	-11	26	26
1010	-36	-41	-41	-60	-40	-40	-40	-37	-37	-57
1020	-36	-35	-34	-27	-16	9	32	40	44	44
1030	44	43	40	30	20	17	10	7	11	20
1040	22	26	27	35	37	48	51	49	43	40

TO BE CONTINUED

CONTINUED(S-782 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	39	30	24	23	10	-14	-28	-49	-59	-61
1060	-60	-55	-44	-7	-29	-24	-19	-13	-17	-19
1070	-19	-14	-7	-7	-3	-3	2	2	2	3
1080	41	40	41	22	16	10	-2	-3	19	39
1090	-50	-59	-58	-54	-52	-48	-30	-37	-7	25
1100	33	49	54	52	51	57	57	58	59	58
1110	49	32	26	30	30	30	30	30	31	35
1120	37	41	47	51	50	43	41	40	37	37
1130	37	36	33	21	-14	-40	-63	-66	-86	-86
1140	-85	-1140	-77	-65	-61	-59	-50	-42	-40	-32
1150	-27	-26	23	-19	-10	0	5	3	3	4
1160	31	28	28	37	41	41	41	41	41	40
1170	39	36	26	11	0	-12	-11	-19	-14	-14
1180	-23	-26	-26	-26	-2	33	26	22	17	16
1190	14	17	17	20	19	10	7	14	-20	-20
1200	-23	-17	-9	-3	0	1	7	4	10	10
1210	17	13	2	-3	-5	-5	-10	-11	-13	-13
1220	1	1	1	1	2	2	1	1	1	1
1230	1	10	17	10	-13	-33	-43	-46	-48	-48
1240	-49	-34	-20	-7	12	31	48	48	48	48
1250	58	57	51	46	40	35	20	16	-3	-3
1260	-33	-51	-76	-77	-67	-58	-44	-22	-10	-3
1270	11	21	21	20	27	27	26	19	13	14
1280	3	-5	-15	-23	-29	-38	-41	-19	-14	-14
1290	-18	-20	-16	-7	2	10	11	11	12	19
1300	42	42	44	47	45	42	38	36	26	21
1310	20	24	26	27	26	20	15	7	0	11
1320	-22	-38	-45	-44	-42	-41	-45	-45	-45	-45
1330	-48	-47	-45	-44	-36	-19	-10	4	16	19
1340	20	17	14	17	21	24	20	19	15	13
1350	10	17	21	28	33	38	33	34	33	30
1360	27	23	16	2	-10	-10	-10	-10	-10	-15
1370	-23	-27	-30	-33	-34	-31	-31	-37	-45	-50
1380	-49	-45	-38	-37	-32	-29	-27	-27	-25	-20
1390	-20	-19	-4	-9	20	27	34	41	45	46
1400	46	46	51	53	58	57	50	40	35	33
1410	31	26	21	18	15	15	14	14	11	11
1420	10	2	-10	-14	-19	-20	-20	-23	-23	-27
1430	-30	-29	-27	-26	-23	-24	-23	-31	-38	-33
1440	-32	-29	-30	-30	-34	-33	-28	-20	-12	-2
1450	2	16	31	31	30	23	15	10	3	-8
1460	-8	-8	-3	-3	-8	-17	-41	-41	-40	-33
1470	-22	-17	6	17	30	41	51	54	53	49
1480	40	29	20	9	-1	-5	-10	-13	-13	-10
1498	-6	2	15	28	32	30	28	7	-7	-22
1500	51	52	51	40	36	29	20	20	14	14
1510	-35	-50	-59	-69	-69	-68	-62	-57	-54	-54
1528	-48	-39	-38	-24	-21	-16	-10	-10	-7	-7
1530	-3	-1	7	-9	-10	-5	-4	5	5	5
1540	5	5	8	15	15	15	20	26	27	27
1550	26	17	14	1	1	1	-7	-16	-20	-20
1560	-23	-27	-22	-11	-1	-1	-4	-1	1	1
1570	-7	-8	-6	-7	-3	-3	5	7	7	7
1580	7	3	-8	-7	-7	-4	-7	-15	-24	-35

TO BE CONTINUED

CONTINUED(S-782 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	-38	-46	-45	-44	-41	-40	-38	-30	-27	-34
1600	-20	-20	-20	-20	-17	-16	-16	-16	-17	-20
1610	46	51	51	48	46	47	47	47	49	53
1620	-23	-30	-38	-41	-38	-32	-29	-26	-23	-29
1630	-19	-18	-19	-18	-17	-11	-11	-10	-10	-10
1640	-14	-15	-19	-19	-23	-24	-28	-28	-17	-7
1650	-3	2	2	7	9	7	2	1	3	8
1660	-9	-13	-17	-19	-23	-24	-23	-10	-10	26
1670	37	41	48	63	67	68	62	49	28	17
1680	-4	-10	-13	-17	-20	-23	-27	-39	-17	-11
1690	-68	-68	-75	-74	-62	-44	-19	-8	-5	-7
1700	1	0	-7	-10	-20	-24	-23	-17	-10	-7
1710	-3	1	2	3	2	2	3	10	10	19
1720	24	30	28	30	28	27	23	17	10	16
1730	-4	-9	-10	-11	-15	-14	-13	-13	-16	-16
1740	-51	-50	-41	-39	-36	-27	-22	-27	-33	-35
1750	12	14	17	12	12	19	22	27	33	35
1760	28	24	24	11	0	-9	-14	-14	-13	-14
1770	-17	-21	-21	-20	-29	-27	-20	-11	-5	7
1780	1	-1	-10	-13	-4	4	7	7	10	7
1790	-3	-14	-24	-29	-32	-30	-29	-20	-24	-30
1800	-29	-26	-13	-1	0	6	11	22	28	28
1810	28	30	25	23	13	2	3	-1	-8	-24
1820	-24	-24	-24	-24	-18	-6	-6	-21	-21	-23
1830	-3	4	4	4	4	4	4	7	10	9
1840	-29	-37	-38	-33	-30	-9	-11	-10	-9	-9
1850	10	-18	-14	-8	-4	9	11	11	10	9
1860	10	7	4	11	4	-10	-14	-9	-10	20
1870	31	30	26	4	-6	-14	-9	-17	-10	-16
1880	-8	1	4	17	4	3	-1	-13	-10	-19
1890	-3	-3	-8	-3	-3	-34	-41	-50	-50	-54
1900	-54	-52	-39	-16	-41	51	53	58	57	57
1910	48	46	46	46	46	46	46	46	46	46
1920	-12	-14	-24	-35	-34	-33	-30	-27	-20	-20
1930	-20	-19	-14	-12	-12	-17	-22	-19	-14	-9
1940	-1	3	6	0	10	17	22	19	14	9
1950	-3	-5	-2	0	1	1	-5	-14	-17	-23
1960	-34	-38	-41	-39	-33	-29	-19	-13	-7	-7
1970	19	25	31	31	31	30	31	27	26	26
1980	18	1	-20	-37	-37	-40	-44	-42	-37	-19
1990	-14	-11	-10	-7	-1	0	-1	-12	-13	-13
2000	12	10	7	1	0	-10	-17	-16	-10	-10
2010	-13	-28	-23	-31	-30	-32	-40	-40	-39	-37
2020	-26	-13	-2	-17	-19	-23	-30	-30	-37	-37
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2040	-12	-11	-6	-14	-14	-14	-14	-14	-14	-14
2050	15	14	14	14	11	11	11	11	11	11
2060	-31	-37	-38	-34	-29	-21	-17	-14	-10	-10
2070	14	27	33	40	36	36	36	36	36	36
2080	26	7	-21	-34	-61	-62	-69	-73	-73	-78
2090	-59	-15	-14	-34	-24	-21	-16	-16	-16	-16
2100	7	2	2	2	2	2	2	2	2	2
2110	2	2	2	2	-3	-3	-3	-3	-3	-3
2120	-24	-24	-21	-18	-13	-5	8	21	18	18

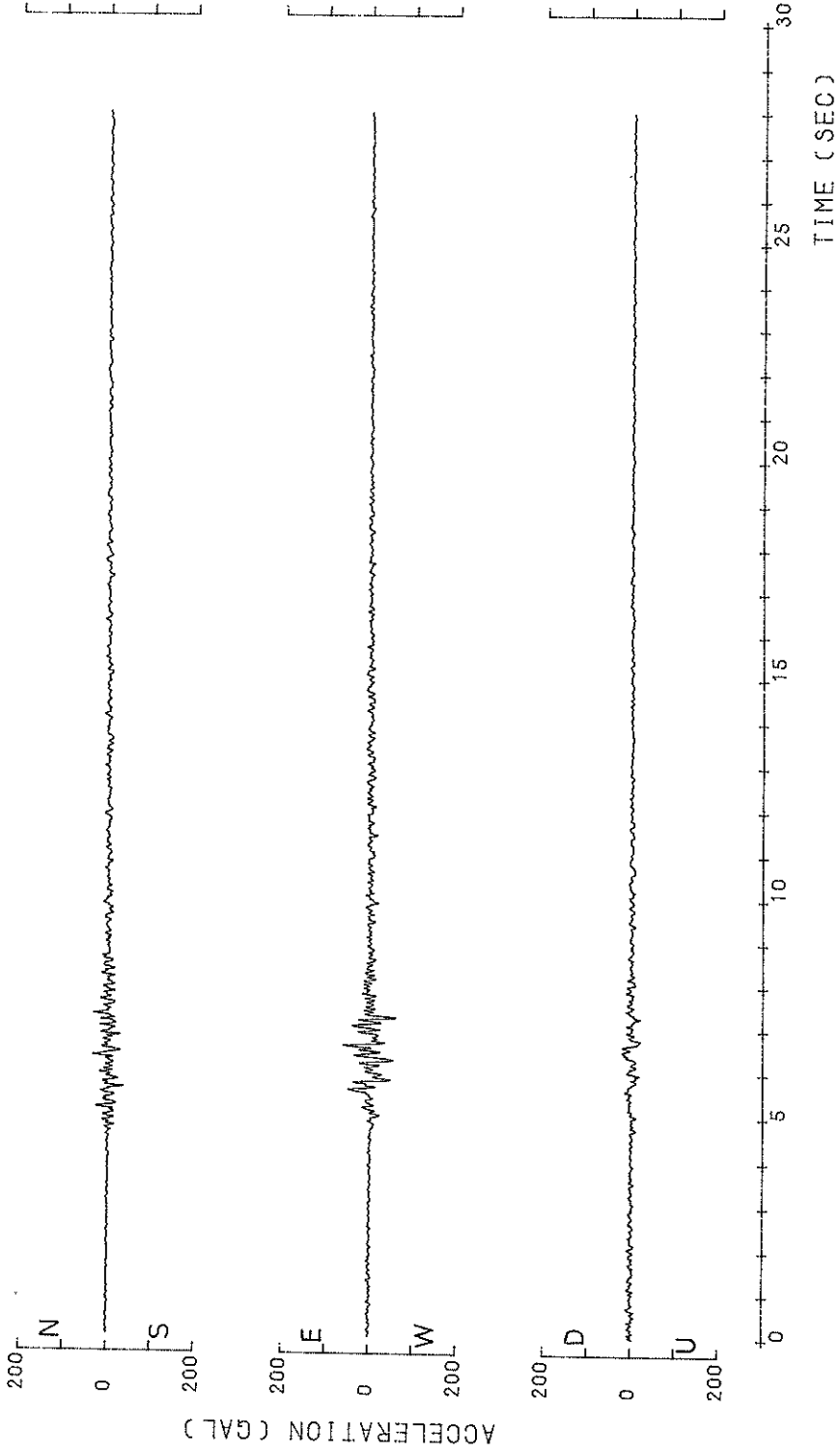
TO BE CONTINUED

CONTINUED(S-782 U-D)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	12	7	1	-7	-9	-14	-19	-21	-17	-16
2140	-15	-10	-11	-12	-10	-7	-7	-7	-10	-13
2150	-14	-17	-20	-28	-29	-19	-13	-10	-2	-5
2160	-8	-11	-10	-14	-17	-18	-13	-10	-5	-5
2170	-4	-8	-4	-3	-2	-3	-3	-7	-14	-23
2180	-23	-19	-23	-19	-20	-17	-20	-20	-21	-20
2190	-15	-13	-12	-10	-7	-6	-1	-9	-9	-10
2200	-5	-2	0	3	3	6	1	1	1	1
2210	-3	-3	-8	-11	-19	-23	-27	-30	-29	-26
2220	-23	-20	-17	-16	-13	-19	-21	-24	-22	-17
2230	-6	6	11	13	17	14	11	7	1	11
2240	-14	-20	-20	-18	-19	-20	-19	-14	-11	-11
2250	-11	-10	-15	-13	-8	1	3	11	9	5
2260	1	-3	-17	-20	-21	-16	-14	-14	-19	-23
2270	-25	-30	-29	-33	-34	-33	-31	-29	-27	-28
2280	-26	-27	-31	-41	-41	-48	-52	-51	-50	-40
2290	-34	-26	-13	0	15	20	26	29	27	28
2300	27	27	27	23	15	11	1	1	-11	-20
2310	-26	-27	-27	-21	-19	-13	-10	-6	-2	1
2320	2	1	0	4	1	0	-7	-9	-10	-1
2330	-10	-13	-15	-16	-9	1	4	7	4	-8
2340	-23	-48	-52	-54	-54	-55	-56	-49	-40	-34
2350	-30	-20	-16	-4	7	9	9	13	17	17
2360	13	8	-3	-13	-19	-28	-30	-28	-27	-24
2370	-20	-17	-14	-10	-10	-9	-10	-3	3	1
2380	20	22	19	17	15	12	10	6	1	-3
2390	-4	-7	-11	-19	-27	-36	-42	-39	-30	-19
2400	-14	-4	1	4	7	7	4	1	-3	-7
2410	-13	-19	-24	-33	-40	-44	-49	-48	-33	-23
2420	-14	-3	7	16	17	16	20	19	14	6
2430	0	0	-4	-7	-10	-14	-23	-20	-15	-10
2440	3	1	7	12	13	15	16	17	17	13
2450	11	9	7	7	4	1	4	0	0	0
2460	-4	-9	-14	-24	-23	-24	-20	-18	-14	-15
2470	13	-14	-14	-17	-14	-17	-20	-22	-27	-33
2480	-33	-34	-37	-41	-41	-41	-40	-37	-36	-31
2490	-32	-27	-23	-16	-10	1	14	24	27	31
2500	29	27	26	19	10	7	7	4	1	1
2510	-1	-3	0	-7	-13	-14	-13	-10	-6	-4
2520	-1	0	5	10	11	11	11	7	4	1
2530	-3	-3	-7	-8	-13	-20	-23	-30	-39	-45
2540	-48	-51	-50	-45	-38	-32	-28	-20	-17	-16
2550	-11	-8	-7	-7	-7	-3	-7	-9	-13	-17
2560	-20	-17	-11	0	8	20	20	23	23	23
2570	30	27	23	16	10	6	-3	-3	-3	-3
2580	7	-12	-13	-14	-13	-10	-9	-10	-6	-10
2590	-11	-14	-17	-20	-23	-23	-23	-19	-13	-17
2600	-9	-5	-3	-3	-3	-3	-6	-10	-13	-17
2610	-20	-25	-30	-34	-33	-28	-17	-10	-5	-4
2620	0	1	0	-3	1	-7	-7	-7	-7	-7
2630	20	17	14	8	1	3	7	9	11	15
2640	-7	-6	-4	-1	3	7	9	11	15	17
2650	-20	-20	-20	-20	-20	-20	-20	-20	-20	-20
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TO BE CONTINUED

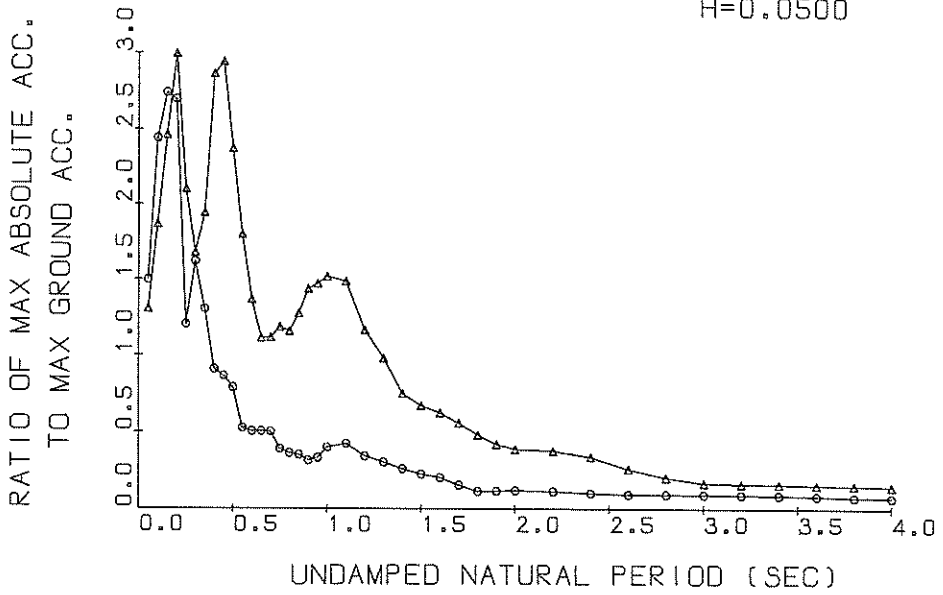
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S-786 OFUNADO-BOCHI-S 1973-11-19-22-02



S-786 OFUNADO-BUCHI-S
1973-11-19-22-02

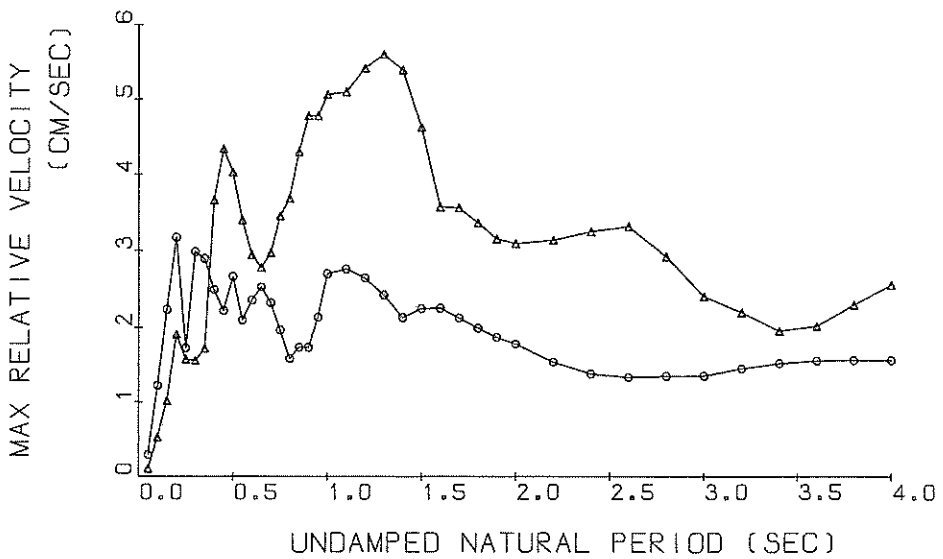
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△ U-D
H=0.0500



Response Spectra

S-786 OFUNADO-BUCHI-S
1973-11-19-22-02

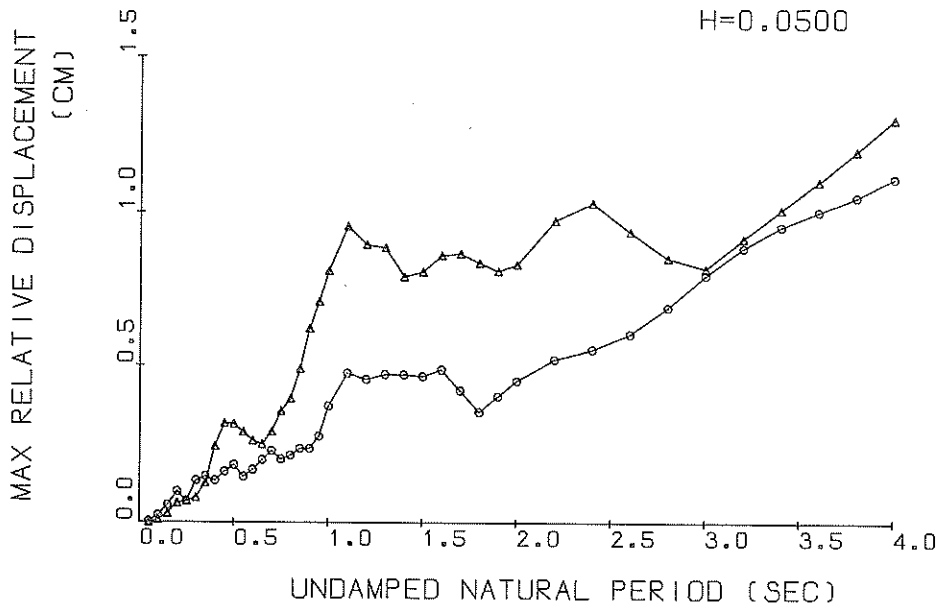
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△ U-D
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Response Spectra

S-786 OFUNADO-BUCHI-S
 1973-11-19-22-02

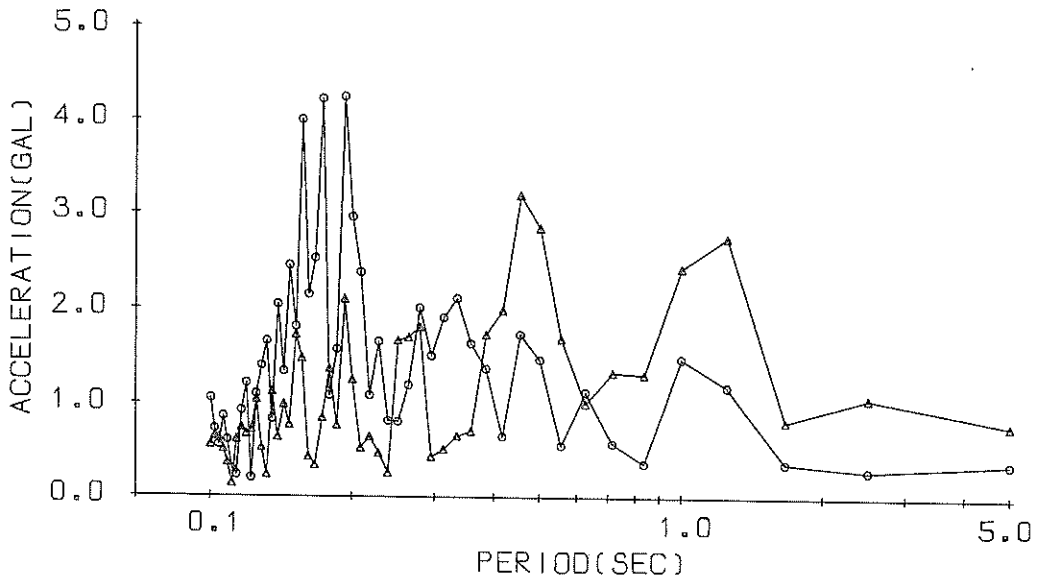
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-786

○ N-S TSK=4.50 TUS=5.00
 ▲ U-D TSK=4.50 TUS=5.00



Response Spectra

RESPONSE SPECTRUM

RECORD = S-786 COMPONENT = U-D SIGNAL = GR.ACC. CORRECTION = ARC.ERR. STATION = OFUNADO-BUCHI-S
 DATE AND TIME = 1973-11-19-22-02 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 21.10 (GAL)
 TIME LENGTH = 20.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	116.5	0.86	0.007	29.5	0.15	0.002	27.5	0.11	0.002	25.2	0.08	0.002	23.0	0.06	0.001	21.2	0.04	0.001		
0.10	125.8	1.88	0.032	48.9	0.67	0.012	39.4	0.52	0.010	33.9	0.41	0.009	27.8	0.30	0.007	21.2	0.23	0.007		
0.15	190.9	4.47	0.109	65.1	1.51	0.037	52.0	1.02	0.030	42.0	0.73	0.024	30.9	0.54	0.017	21.2	0.43	0.017		
0.20	179.2	5.70	0.182	82.3	2.61	0.084	63.2	1.91	0.063	47.2	1.33	0.047	32.7	0.74	0.031	21.2	0.50	0.031		
0.25	155.0	6.13	0.245	82.3	2.28	0.096	44.4	1.58	0.070	34.0	1.30	0.053	30.0	0.91	0.044	21.2	0.58	0.044		
0.30	87.8	4.16	0.200	40.2	1.65	0.092	35.4	1.56	0.080	30.6	1.24	0.069	28.1	1.01	0.060	21.2	0.63	0.060		
0.35	43.3	2.05	0.134	40.2	1.66	0.125	41.0	1.72	0.127	38.2	1.65	0.117	30.0	1.17	0.086	21.2	0.71	0.086		
0.40	90.5	5.79	0.367	72.5	4.57	0.293	60.5	3.66	0.244	46.9	2.57	0.186	31.4	1.54	0.112	21.2	0.99	0.112		
0.45	112.6	8.19	0.578	75.1	5.26	0.384	62.2	4.34	0.317	47.8	3.23	0.239	30.0	1.99	0.133	21.2	1.28	0.133		
0.50	72.5	5.99	0.472	59.1	4.64	0.374	50.1	4.02	0.315	37.6	3.52	0.233	26.1	2.25	0.144	21.2	1.54	0.144		
0.55	54.1	4.79	0.415	43.8	3.82	0.336	37.9	3.39	0.289	29.0	3.01	0.218	22.5	2.34	0.160	21.2	1.77	0.160		
0.60	32.4	2.92	0.296	33.1	3.15	0.302	25.8	2.94	0.262	24.2	2.78	0.216	21.2	2.39	0.177	21.2	2.03	0.177		
0.65	47.4	4.83	0.507	24.3	2.84	0.265	23.5	2.78	0.250	22.1	2.76	0.231	20.3	2.43	0.197	21.2	2.24	0.197		
0.70	33.9	3.87	0.421	24.9	3.00	0.308	23.6	2.97	0.290	21.5	2.91	0.259	20.0	2.50	0.224	21.2	2.58	0.224		
0.75	43.6	5.27	0.672	27.7	3.66	0.394	25.0	3.45	0.355	21.4	3.18	0.297	20.7	2.68	0.258	21.2	2.83	0.258		
0.80	31.9	4.15	0.516	25.5	3.69	0.413	24.5	3.68	0.395	21.5	3.43	0.342	20.6	2.63	0.297	21.2	2.83	0.297		
0.85	36.6	5.21	0.670	30.8	4.67	0.563	26.9	4.29	0.491	23.9	3.71	0.428	21.0	2.65	0.338	21.2	3.08	0.338		
0.90	45.6	8.77	0.936	35.1	5.51	0.719	30.3	4.78	0.619	26.3	3.88	0.525	21.3	2.60	0.378	21.2	3.38	0.378		
0.95	54.5	8.13	1.245	32.8	5.24	0.749	31.3	4.78	0.705	27.4	3.86	0.608	21.3	2.49	0.413	21.2	3.68	0.413		
1.00	38.9	6.33	0.984	34.5	5.68	0.871	32.1	5.06	0.806	27.7	4.02	0.680	20.9	2.47	0.442	21.2	4.02	0.442		
1.10	58.1	10.25	1.781	35.8	6.18	1.096	31.4	5.10	0.954	25.7	4.16	0.762	19.1	2.77	0.473	21.2	4.39	0.473		
1.20	38.7	7.80	1.411	29.9	5.82	1.088	24.6	5.41	0.893	20.7	4.61	0.727	16.4	3.04	0.465	21.2	4.69	0.465		
1.30	42.9	8.78	1.837	25.7	6.08	1.099	20.7	5.60	0.882	15.8	4.79	0.669	13.4	3.24	0.439	21.2	4.99	0.439		
1.40	25.4	6.46	1.260	19.4	5.87	0.964	15.9	5.39	0.787	13.2	4.63	0.635	11.2	3.24	0.499	21.2	5.34	0.499		
1.50	22.6	5.41	1.286	16.0	4.91	0.910	14.2	4.62	0.803	12.8	4.12	0.707	10.8	3.12	0.534	21.2	5.69	0.534		
1.60	15.7	4.46	1.017	14.3	3.92	0.827	13.3	3.56	0.857	10.9	3.44	0.752	10.3	2.92	0.569	21.2	6.09	0.569		
1.70	13.8	4.39	1.008	12.7	3.93	0.927	11.9	3.56	0.864	10.9	2.97	0.770	9.8	2.69	0.596	21.2	6.49	0.596		
1.80	10.9	3.78	0.895	10.5	3.57	0.862	10.2	3.36	0.831	9.7	2.95	0.772	9.2	2.46	0.619	21.2	6.89	0.619		
1.90	8.6	3.25	0.789	8.8	3.24	0.806	8.9	3.16	0.805	8.7	2.89	0.776	8.6	2.26	0.640	21.2	7.29	0.640		
2.00	8.0	3.22	0.806	8.2	3.18	0.826	8.2	3.10	0.826	8.1	2.85	0.797	8.1	2.10	0.659	21.2	7.69	0.659		
2.20	9.2	3.72	1.133	8.5	3.39	1.038	8.0	3.14	0.973	7.4	2.76	0.873	7.2	2.14	0.691	21.2	8.09	0.691		
2.40	12.2	4.79	1.775	7.8	3.49	1.129	7.2	3.25	1.030	6.5	2.89	0.898	6.3	2.25	0.706	21.2	8.49	0.706		
2.60	8.0	3.90	1.368	6.0	3.57	1.028	5.5	3.31	0.935	5.1	2.93	0.815	5.5	2.29	0.704	21.2	8.89	0.704		
2.80	5.7	3.38	1.129	4.9	3.05	0.968	4.4	2.92	0.849	3.9	2.72	0.714	4.9	2.28	0.698	21.2	9.29	0.698		
3.00	4.2	2.71	0.961	3.8	2.43	0.865	3.7	2.40	0.815	3.6	2.42	0.765	4.4	2.23	0.701	21.2	9.69	0.701		
3.20	3.8	2.51	0.981	3.7	2.33	0.946	3.6	2.20	0.914	3.4	2.18	0.857	4.0	2.19	0.723	21.2	10.09	0.723		
3.40	3.7	1.94	1.085	3.6	1.95	1.046	3.5	1.95	1.010	3.3	2.09	0.946	3.9	2.17	0.795	21.2	10.49	0.795		
3.60	3.6	2.04	1.184	3.5	1.99	1.142	3.4	2.02	1.103	3.2	2.13	1.032	3.8	2.17	0.865	21.2	10.89	0.865		
3.80	3.6	2.52	1.324	3.4	2.39	1.247	3.3	2.29	1.203	3.1	2.28	1.122	3.8	2.20	0.933	21.2	11.29	0.933		
4.00	3.8	2.96	1.524	3.4	2.70	1.376	3.2	2.56	1.305	3.2	2.45	1.216	3.7	2.23	1.009	21.2	11.69	1.009		

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD - S-786 COMPONENT - U-D STATION - OFUNADO-BUCHI-S
 DATE AND TIME - 1973-11-19-22-02 TOTAL NUMBER OF DATA - 2800
 SAMPLING INTERVAL - 0.010 (SEC) UNIT - 0.1 GAL
 SIGNAL - GR.ACC. CORRECTION - ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-1	-26	-9	28	57	21	-2	7	24	55
10	78	41	15	-28	-27	-11	12	17	16	19
20	4	-6	4	39	75	69	45	34	34	40
30	40	42	31	-7	-11	6	22	50	79	20
40	88	39	-12	-28	-17	-16	-7	11	13	-20
50	-57	-66	-51	-12	-3	-6	17	25	13	100
60	-23	-57	-68	-29	30	48	46	69	75	103
70	110	88	61	37	29	31	20	18	23	19
80	9	17	27	32	30	31	20	10	6	16
90	24	37	43	47	29	19	10	10	7	4
100	7	-11	-26	-12	35	43	35	16	7	-4
110	-35	-42	1	59	85	89	88	71	69	44
120	18	12	12	16	40	50	38	8	0	-13
130	-23	-26	0	45	62	67	68	61	48	48
140	46	31	34	32	23	-22	-20	-7	-16	-27
150	-30	-39	-14	-13	-7	-17	-31	-30	24	-13
160	4	-3	-30	-34	-23	16	19	30	51	54
170	59	61	46	15	-15	-15	-14	5	18	48
180	24	8	-16	-7	-16	-16	17	51	62	45
190	45	57	62	38	16	8	-22	-28	-27	-27
200	-26	6	45	48	58	91	81	70	39	16
210	-4	-28	-37	-47	-43	-8	14	19	29	29
220	29	36	36	34	30	30	30	30	30	30
230	30	57	69	72	50	15	1	-1	-8	-8
240	-9	-14	-3	7	2	1	17	34	48	48
250	34	9	-14	-18	-36	-42	-34	-19	0	-5
260	-5	-5	16	55	54	43	45	49	53	50
270	31	15	15	14	7	-11	-11	-31	-61	7
280	16	24	33	37	32	31	59	62	61	58
290	47	24	-7	-13	12	27	16	-10	-7	-4
300	2	4	-10	-14	-14	-21	-41	-40	-20	12
310	16	7	7	4	2	15	13	5	7	7
320	11	15	41	56	56	52	46	39	28	10
330	-2	-1	4	7	15	14	-2	-4	15	33
340	39	33	11	20	33	42	47	46	30	27
350	9	-16	-36	-17	-5	0	0	0	23	64
360	45	28	29	24	23	39	43	26	13	14
370	28	29	29	44	32	18	10	2	-1	-9
380	32	45	44	32	18	10	2	-1	-9	14
390	-15	-35	-34	6	8	16	18	18	15	13
400	19	27	26	22	14	13	12	16	14	10
410	7	10	13	15	21	17	14	21	24	21
420	17	19	23	23	18	7	3	-3	-4	7
430	15	19	17	23	29	33	30	13	-1	-14
440	-17	-12	-8	0	3	6	14	37	44	38
450	12	-2	-14	-10	-7	-6	-15	-23	10	6
460	6	-1	-3	11	32	37	32	29	25	-11
470	-42	-63	-84	-91	-90	-71	-53	-7	18	22
480	16	1	-17	-33	-26	-12	-6	23	23	26
490	12	-8	-17	-13	0	11	12	7	-3	-31
500	-57	-86	-105	-89	-66	-17	6	30	33	27

TO BE CONTINUED

CONTINUED(S-786 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	15	0	-6	0	7	18	43	77	73	63
520	59	58	58	58	58	63	65	64	61	50
530	40	33	63	63	67	66	56	32	24	17
540	13	34	54	39	110	105	84	50	49	54
550	147	178	171	100	66	46	37	81	137	140
560	76	58	54	27	0	-4	-7	14	74	74
570	-94	-104	-101	-99	-65	-32	8	-7	-14	-35
580	-94	-104	-101	-99	-65	-32	8	-7	-14	-35
590	-94	-104	-101	-99	-65	-32	8	-7	-14	-35
600	600	16	79	102	102	99	92	79	53	44
610	49	54	26	-4	-27	-71	-80	-86	-87	-65
620	7	83	1	-4	-4	-7	-23	-63	-80	-84
630	-85	-85	-85	-85	-85	-85	-85	-85	-85	-85
640	116	98	93	118	167	183	182	178	172	180
650	211	208	176	119	65	47	45	67	111	144
660	172	201	200	171	114	54	-17	-107	-118	-118
670	-124	-151	-170	-178	-188	-197	-197	-163	-111	-41
680	-4	27	31	47	55	61	30	18	10	-52
690	-55	-56	5	57	102	115	106	48	13	-7
700	-7	-7	0	-4	-20	-20	-20	-20	-20	-20
710	105	112	94	41	10	-10	-9	-9	-9	-14
720	-24	-41	-50	-64	-80	-103	-163	-191	-178	-122
730	-69	-53	-43	-39	-48	-51	-37	-1	32	44
740	38	35	35	79	129	122	89	57	30	6
750	-6	-5	-8	-29	-39	-11	37	59	79	86
760	91	91	90	61	40	16	-1	-7	16	16
770	40	62	61	38	-9	-27	-30	-26	-22	-21
780	-14	-7	-23	-39	-34	3	61	103	115	114
790	92	47	31	18	10	11	24	47	69	90
800	99	100	99	52	-15	-56	-76	-81	-72	-83
810	-63	-63	-67	-71	-61	-15	23	46	93	80
820	54	42	13	6	-23	-41	-53	-52	-46	-2
830	7	17	26	20	-11	-14	-8	-7	-2	-2
840	-2	-2	-3	9	19	30	30	24	28	33
850	33	13	1	-1	-7	-14	-14	-7	-1	5
860	15	-6	-20	-29	-3	20	46	69	76	75
870	68	57	41	21	17	16	11	1	-6	-17
880	-22	-31	-36	-33	-33	-31	-19	-6	12	18
890	4	-14	-20	0	7	16	-4	-14	-18	-28
900	-31	-34	-19	-3	17	26	23	22	21	0
910	23	19	8	25	38	37	17	9	3	0
920	0	-2	-2	-16	-13	-13	-9	-13	-13	-16
930	-21	-21	-5	6	13	14	14	10	-8	-43
940	-66	-73	-62	-65	-48	-19	5	20	40	54
950	57	62	65	54	18	10	16	17	16	-4
960	11	-14	-7	0	-6	-5	-3	7	17	19
970	11	-7	-20	-35	-48	-56	-62	-47	-42	-37
980	-13	3	8	29	44	49	48	40	23	-5
990	-26	-38	-41	-41	-44	-44	-44	-44	-44	-44
1000	7	16	33	33	33	33	33	33	33	33
1010	-25	-36	-28	-17	-14	-14	-14	-14	-14	-14
1020	-33	0	-3	-2	7	8	18	30	21	29
1030	29	37	34	34	38	38	38	38	38	38
1040	67	66	50	50	50	50	50	50	50	50

TO BE CONTINUED

CONTINUED(S-786 U-D)

CONTINUED(S-786 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-4	14	22	22	28	27	22	11	0	-15
1060	-32	-73	-73	-72	-69	-73	-73	-72	-71	-68
1070	-67	-67	-66	-51	-35	-35	-36	-35	-37	-19
1080	-4	21	38	42	47	52	51	48	47	46
1090	48	54	42	30	24	19	7	0	-5	-5
1100	-9	-6	4	17	21	19	7	0	-14	-14
1110	-30	-34	-31	-23	-15	-8	-9	-28	-29	-31
1120	-34	-32	-27	-27	-27	-26	-21	-13	2	17
1130	22	22	23	23	23	23	22	17	25	34
1140	38	8	-2	-23	-38	-47	-55	-54	-50	-43
1150	-24	-24	-21	-21	-22	-23	-25	-9	19	29
1160	34	34	38	40	39	39	38	32	13	-14
1170	-43	-44	-48	-48	-48	-47	-46	-42	-40	-16
1180	-4	14	27	31	26	18	13	7	-2	2
1190	-2	-2	-2	-4	-4	3	18	28	28	26
1200	15	16	11	12	5	4	-3	-22	-32	-31
1210	-24	-16	-6	7	24	35	44	38	28	19
1220	7	7	6	7	7	10	16	23	19	17
1230	14	13	22	48	46	26	16	7	-8	-15
1240	-14	-17	-14	-4	-4	7	22	25	23	19
1250	9	14	7	9	10	10	-4	-3	-12	-17
1260	-14	-17	-14	-14	-10	-7	-7	-5	5	6
1270	7	3	2	-3	-16	-30	-44	-48	-47	-33
1280	-16	-4	7	17	29	35	40	39	37	23
1290	9	13	17	8	11	14	17	17	16	7
1300	10	13	17	23	27	29	28	26	22	23
1310	19	13	7	5	-2	-3	-5	8	17	18
1320	18	19	18	9	-8	-14	-14	-11	-14	-8
1330	10	17	24	24	20	5	-3	2	1	3
1340	4	2	-7	-14	-17	-21	-21	-21	-20	-10
1350	-11	-10	-14	-14	-14	-13	-13	-10	-7	-7
1360	-14	-26	-31	-28	-31	-30	-27	-24	-34	-31
1370	-17	-12	-10	-8	-14	-7	-2	-2	-3	-4
1380	-6	-13	-9	-10	-10	-10	-7	3	1	4
1390	3	4	11	13	17	16	7	6	-3	-11
1400	-10	-4	8	14	21	20	27	27	26	22
1410	18	11	7	1	-3	-3	-3	-3	-3	-3
1420	7	17	23	27	27	26	23	19	14	17
1430	16	5	5	2	-5	-9	-12	-4	-4	6
1440	34	34	37	31	26	10	0	-12	-17	-23
1450	-23	-20	-13	11	23	23	23	16	3	-14
1460	-24	-27	-23	-14	-12	-8	-4	-3	-3	-1
1470	1	5	10	17	18	5	-7	-10	-10	-12
1480	-18	-24	-27	-25	-22	-19	-20	-24	-24	-21
1490	7	-4	-5	7	29	27	30	29	24	21
1500	18	18	14	9	19	22	23	17	7	7
1510	7	1	-3	-6	-10	-12	-6	-4	-6	-18
1520	-25	-21	-1	-3	8	17	20	24	23	23
1530	28	33	34	32	30	26	13	-14	-18	-23
1540	-28	-34	-36	-37	-32	-12	-3	8	20	21
1550	25	24	21	19	14	7	-3	-4	-9	-16
1560	-17	-17	-14	-14	-10	-10	-10	-14	-14	-17
1570	5	9	21	16	17	21	16	7	2	1
1580	-3	-4	21	22	22	22	21	21	14	12

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-786 J=0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	10	4	16	10	10	6	4	-2	-3	-7
2140	-8	-8	-2	-12	-8	-12	-10	-13	-6	-4
2150	-4	-2	-1	2	-2	-3	17	20	-12	-4
2160	-8	27	24	4	10	14	6	0	24	28
2170	27	27	24	22	16	7	6	0	-1	0
2180	-2	3	3	4	2	5	11	14	14	13
2190	9	7	8	4	2	12	13	14	15	14
2200	15	19	21	17	14	10	11	11	15	6
2210	0	1	2	5	6	0	-7	-9	-15	-12
2220	-10	26	27	26	22	15	22	24	27	30
2230	26	26	27	26	22	13	9	3	2	2
2240	2	3	-3	-6	-7	-3	3	6	3	4
2250	4	1	0	-3	0	7	12	17	19	19
2260	17	17	17	11	7	6	0	4	4	-3
2270	-9	-14	-8	-6	-5	-3	-3	0	-2	-3
2280	14	17	19	23	-14	13	-2	-14	-16	-17
2290	-20	-21	-18	-19	-23	-5	-2	-3	-5	-2
2300	-1	-5	-7	-4	-3	-1	0	-1	-1	-3
2310	0	4	10	17	27	31	31	26	22	17
2320	10	2	-2	-4	-4	-2	3	6	7	8
2330	7	2	-2	3	6	7	6	7	9	9
2340	13	14	11	11	6	4	4	6	23	23
2350	10	13	16	9	10	17	24	24	-18	-17
2360	24	23	17	9	6	1	0	-2	2	5
2370	-17	-13	-10	-7	-4	-1	3	-2	2	2
2380	7	7	7	7	6	7	7	7	7	7
2390	7	11	17	20	23	23	19	13	14	9
2400	5	13	10	14	18	19	19	19	19	20
2410	18	13	10	11	6	4	-2	-4	-7	-5
2420	-3	2	7	8	11	13	14	16	11	11
2430	5	5	6	7	10	9	7	5	0	2
2440	4	4	7	7	9	9	9	7	7	7
2450	5	2	-1	3	3	3	5	10	10	13
2460	16	16	15	13	10	7	10	7	1	-14
2470	-12	-12	-12	-11	-9	-5	-4	-4	-3	0
2480	3	3	5	3	0	3	6	9	13	17
2490	18	14	20	22	19	14	17	18	16	12
2500	14	14	20	20	27	28	31	34	34	33
2510	29	23	20	17	10	5	-2	-2	4	5
2520	0	0	4	5	9	7	7	7	7	7
2530	5	3	0	7	14	15	17	19	18	18
2540	17	17	17	12	7	0	-3	-8	-8	-3
2550	-4	-2	-3	-3	0	0	0	6	8	14
2560	15	19	20	19	19	17	17	11	11	11
2570	4	-3	-3	-7	-12	-8	-8	-3	0	0
2580	0	0	0	0	-2	-3	0	7	3	0
2590	1	13	13	13	13	13	24	27	27	27
2600	27	-4	0	8	17	19	19	19	19	22
2610	27	23	21	21	21	19	19	16	13	11
2620	27	31	33	30	26	22	17	10	7	9
2630	11	7	8	8	8	7	6	9	10	7
2640	7	5	-3	-7	-10	-14	-14	-11	-6	-2
2650	4	11	14	17	18	17	20	22	20	23
2660	23	23	22	23	23	18	14	13	13	8

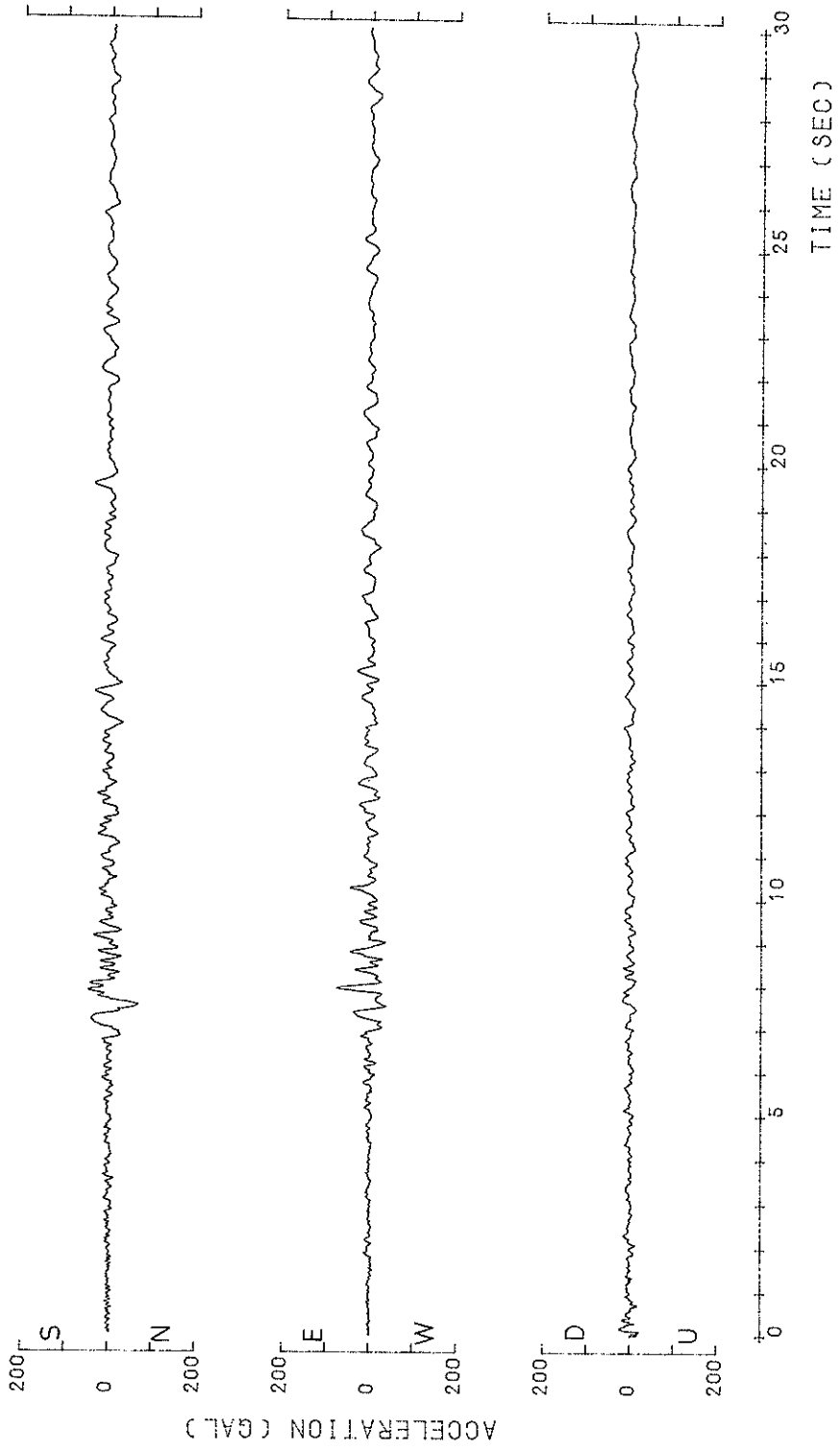
TO BE CONTINUED

CONTINUED(S-786 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2670	3	5	0	-2	-3	-1	2	-3	-6	-3
2680	-1	1	2	5	7	7	15	18	17	17
2690	17	17	17	14	11	10	11	32	35	16
2700	16	12	7	4	4	-3	-5	-7	-7	-10
2710	-11	-7	-3	0	2	7	10	17	23	23
2720	25	24	20	17	14	3	-1	2	24	3
2730	4	7	16	17	17	17	19	23	24	30
2740	30	30	27	24	20	13	4	0	0	0
2750	0	0	0	4	4	19	24	27	24	19
2760	13	11	5	3	7	7	10	10	11	10
2770	11	13	13	13	13	14	14	13	13	14
2780	14	14	14	17	19	14	9	9	-6	-4
2790	-2	-1	-1	0	2	3	9	9	9	7

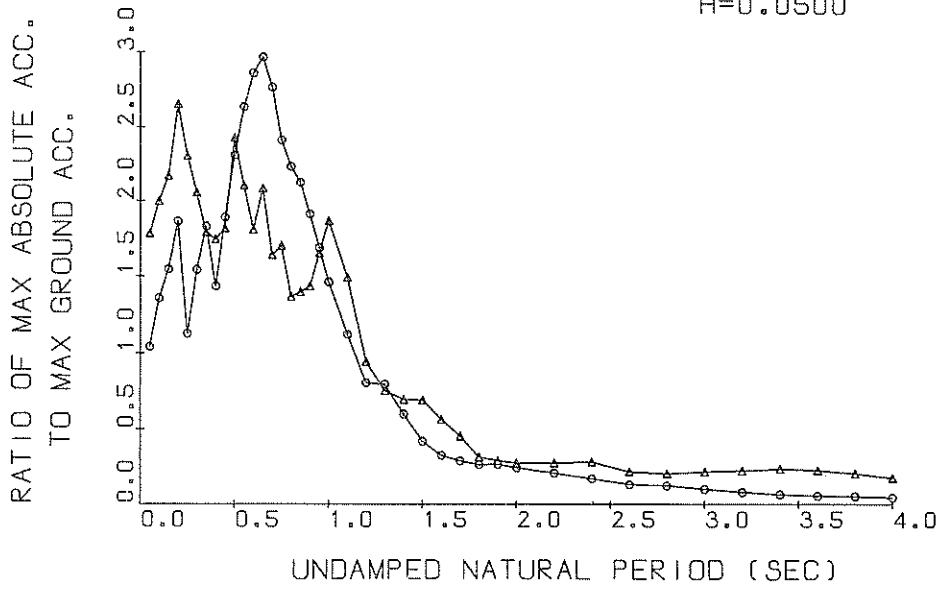
END

S-882 KASHIMA-JI-S 1974-11-16-08-32



S-882 KASHIMA-JI-S
1974-11-16-08-32

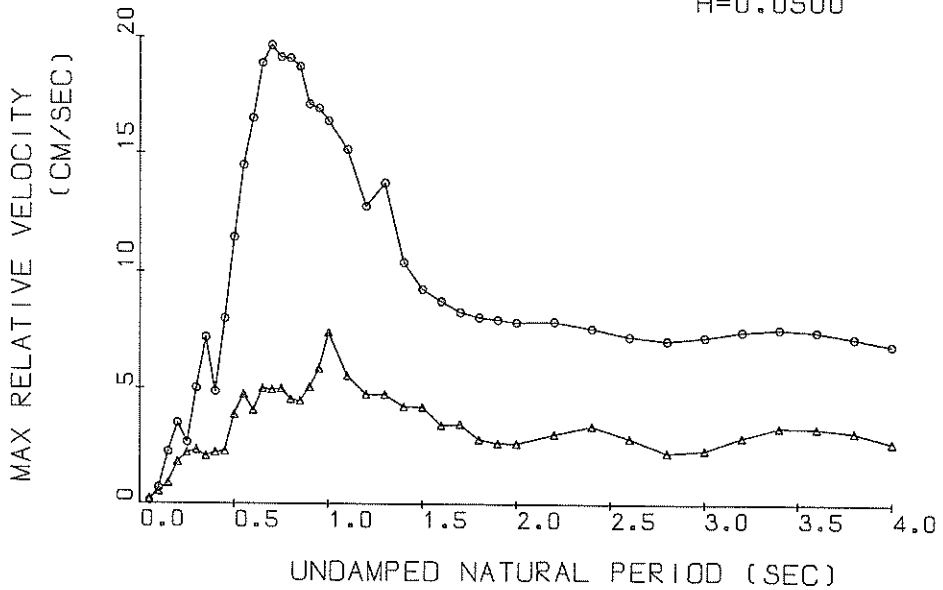
○ N-S
△ U-D
H=0.0500



Response Spectra

S-882 KASHIMA-JI-S
1974-11-16-08-32

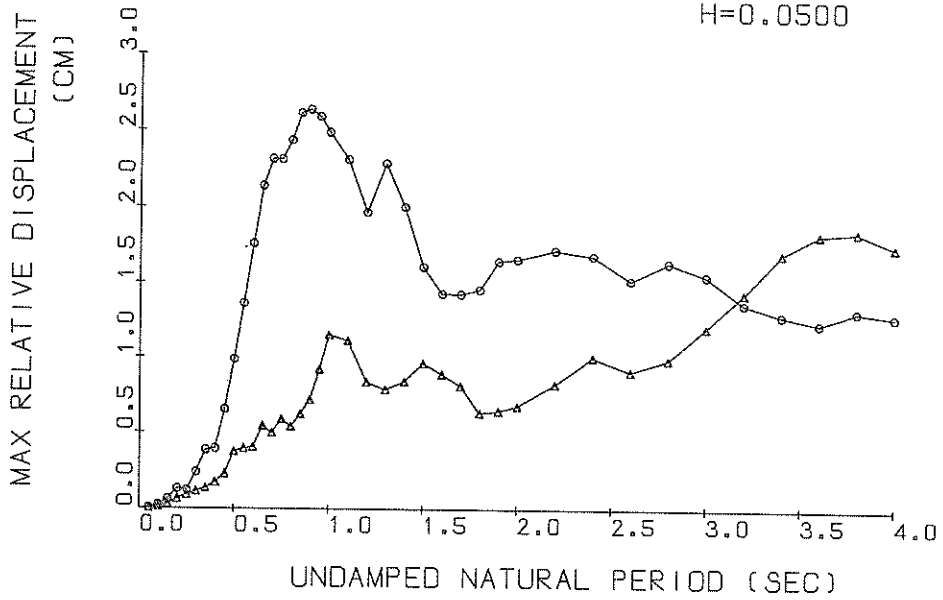
○ N-S
△ U-D
H=0.0500



Response Spectra

S-882 KASHIMA-JI-S
 1974-11-16-08-32

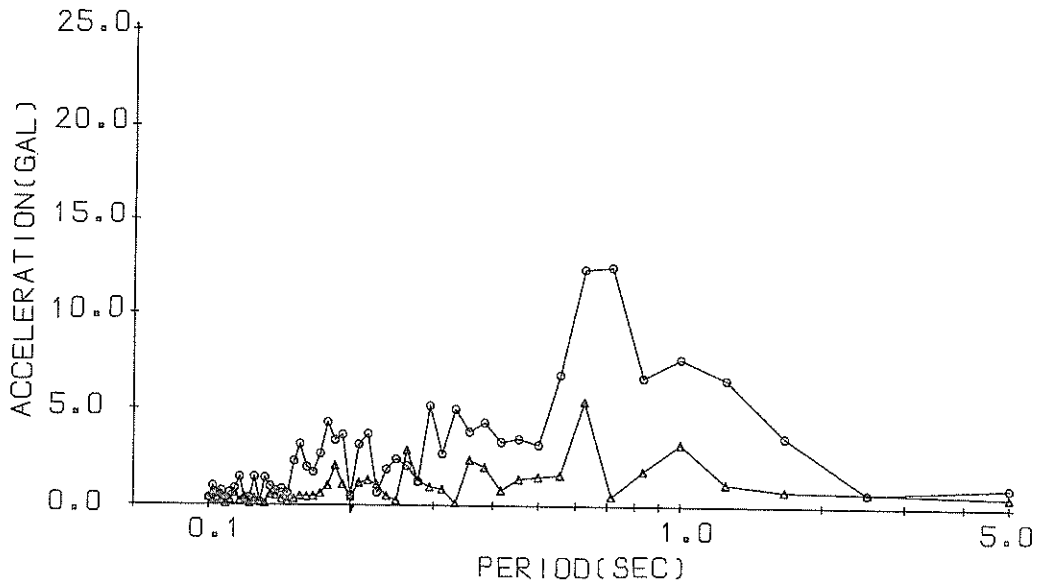
○ N-S
 ▲ U-D
 H=0.0500



Response Spectra

S-882

○ N-S TSK=7.00 TUS=5.00
 ▲ U-D TSK=7.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-882
 DATE AND TIME = 1974-11-16-08-32
 TIME LENGTH = 25.00 (SEC)
 COMPONENT = U-D
 SIGNAL = GR-ACC.
 CORRECTION = ARC.ERR.
 STATION = KASHIMA-JI-S
 MAX.GROUND ACC. = 24.42 (GAL)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	78.0	0.55	0.005	47.5	0.24	0.003	43.4	0.21	0.003	37.2	0.17	0.002	28.0	0.10	0.002
0.10	155.1	2.28	0.039	53.0	0.65	0.013	48.8	0.53	0.012	45.0	0.45	0.011	36.5	0.37	0.009
0.15	157.9	3.60	0.090	55.5	0.99	0.032	53.0	0.91	0.030	48.8	0.76	0.028	40.8	0.59	0.022
0.20	190.2	5.80	0.193	75.7	2.20	0.076	64.8	1.79	0.065	53.8	1.36	0.054	42.0	0.90	0.039
0.25	141.0	5.56	0.223	62.2	2.50	0.098	56.3	2.19	0.089	50.4	1.81	0.078	39.0	1.16	0.056
0.30	195.1	8.97	0.445	54.7	2.56	0.125	50.2	2.31	0.114	44.7	1.91	0.100	34.4	1.34	0.072
0.35	93.1	8.02	0.289	55.1	2.76	0.170	43.6	2.05	0.134	39.1	1.86	0.119	30.6	1.45	0.086
0.40	127.2	5.02	0.515	56.7	3.12	0.229	42.5	2.21	0.172	33.1	1.90	0.131	29.9	1.51	0.113
0.45	91.0	6.30	0.467	44.6	3.12	0.229	44.3	2.27	0.227	40.9	2.01	0.207	30.9	1.55	0.146
0.50	139.0	10.91	0.880	71.6	5.05	0.453	59.3	3.86	0.373	45.7	2.89	0.284	30.8	1.80	0.177
0.55	93.5	8.40	0.716	66.7	6.06	0.510	51.3	4.75	0.391	40.3	3.38	0.305	29.1	1.98	0.201
0.60	72.1	6.71	0.658	55.9	5.31	0.509	44.1	4.03	0.400	35.6	3.12	0.318	26.7	2.08	0.229
0.65	161.5	16.42	1.728	76.4	7.59	0.817	50.9	4.98	0.542	38.1	3.65	0.381	25.8	2.19	0.258
0.70	75.5	8.19	0.938	44.8	5.51	0.556	40.0	4.94	0.494	34.3	3.96	0.418	24.9	2.37	0.285
0.75	181.5	21.40	2.587	66.1	7.61	0.942	41.4	4.99	0.588	30.9	3.97	0.431	23.8	2.53	0.308
0.80	89.6	11.14	1.453	49.8	6.31	0.807	33.4	4.52	0.538	26.8	3.73	0.425	22.5	2.60	0.328
0.85	73.0	10.19	1.356	44.7	5.93	0.818	34.1	4.44	0.622	26.2	3.52	0.471	21.2	2.61	0.348
0.90	79.2	11.60	1.624	44.9	6.37	0.920	35.0	5.05	0.715	28.1	3.78	0.565	20.2	2.60	0.368
0.95	103.9	20.34	3.038	57.4	9.67	1.311	40.3	5.86	0.916	29.7	4.36	0.645	19.4	2.57	0.391
1.00	159.7	25.02	4.045	64.0	10.51	1.619	45.6	7.38	1.148	29.2	4.92	0.723	18.8	2.57	0.415
1.10	78.5	13.44	2.406	50.0	8.03	1.530	36.5	5.54	1.111	25.1	4.12	0.752	17.4	2.48	0.456
1.20	28.9	5.41	1.054	22.6	4.70	0.822	23.0	4.72	0.834	20.2	4.02	0.717	15.2	2.55	0.468
1.30	37.5	7.48	1.695	22.5	5.59	0.964	18.4	4.73	0.784	15.1	3.82	0.626	12.8	2.57	0.453
1.40	49.2	11.25	2.443	23.5	5.48	1.165	17.0	4.19	0.840	12.4	3.23	0.596	10.6	2.46	0.427
1.50	35.4	8.73	2.018	21.9	5.27	1.247	17.0	4.18	0.841	12.5	3.08	0.494	9.5	2.28	0.449
1.60	20.2	5.53	1.309	15.1	3.90	0.779	13.8	3.39	0.891	11.3	2.96	0.713	8.8	2.19	0.471
1.70	15.8	5.15	1.155	13.0	4.10	0.951	11.2	3.43	0.813	9.4	2.78	0.662	8.1	2.15	0.484
1.80	10.3	3.79	0.842	8.1	2.97	0.660	7.8	2.77	0.633	7.5	2.53	0.596	7.5	2.09	0.493
1.90	9.5	3.58	0.869	7.5	2.84	0.687	7.2	2.61	0.648	6.9	2.49	0.607	6.9	2.12	0.500
2.00	8.5	3.15	0.862	7.5	2.78	0.760	6.8	2.60	0.681	6.4	2.51	0.621	6.3	2.16	0.504
2.20	12.6	4.90	1.549	7.7	3.56	0.848	6.8	3.00	0.825	5.7	2.73	0.666	6.1	2.20	0.586
2.40	11.6	4.50	1.686	9.2	3.78	1.200	6.9	3.35	1.004	5.9	2.83	0.821	6.0	2.17	0.681
2.60	9.1	4.41	1.562	6.1	3.40	1.036	5.4	2.82	0.912	5.4	2.50	0.876	5.8	2.06	0.766
2.80	5.2	2.68	1.028	5.2	2.39	1.035	5.1	2.21	0.990	5.0	2.14	0.939	5.5	1.98	0.844
3.00	6.6	2.89	1.508	5.9	2.37	1.343	5.4	2.32	1.206	5.0	2.13	1.080	5.3	2.07	0.916
3.20	7.5	4.02	1.938	6.1	3.16	1.571	5.6	2.88	1.437	5.0	2.47	1.273	5.0	2.15	1.015
3.40	7.4	4.34	2.162	6.5	3.73	1.898	5.9	3.29	1.704	5.1	2.71	1.448	4.7	2.21	1.115
3.60	7.2	4.48	2.367	6.3	3.59	2.060	5.6	3.26	1.835	4.8	2.82	1.538	4.4	2.25	1.196
3.80	6.3	3.64	2.321	5.6	3.32	2.050	5.1	3.08	1.856	4.5	2.73	1.599	4.1	2.24	1.265
4.00	5.3	3.60	2.132	4.7	2.74	1.894	4.4	2.65	1.755	4.0	2.49	1.571	3.9	2.20	1.351

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-882 COMPONENT = U-0 STATION = KASHIMA-J1-5
 DATE AND TIME = 1974-11-16-08-32 TOTAL NUMBER OF DATA = 3000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ARC.ERR.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	-6	-142	-167	-175	-51	-40	-151	-157	-213
10	-213	-123	121	168	180	229	244	233	244	233
20	191	187	142	190	81	106	98	176	24	-88
30	-99	-53	7	9	-20	6	25	134	145	170
40	167	116	65	58	62	71	64	116	82	83
50	-40	-74	1	-17	-31	-25	-22	-37	-84	-135
60	71	-173	-158	-31	-11	-2	0	15	20	23
70	-75	-62	-31	-11	-2	-2	0	15	20	23
80	43	80	95	92	61	26	3	4	3	3
90	4	3	20	59	75	74	59	71	3	3
100	3	20	59	75	74	59	71	3	3	3
110	71	61	65	66	68	63	62	72	74	74
120	64	44	34	26	4	-8	-17	2	2	27
130	33	19	-35	-46	-43	-10	29	65	89	91
140	65	44	45	48	50	52	45	42	40	33
150	18	-10	-10	1	17	20	17	20	47	55
160	41	20	0	-6	5	21	29	26	21	17
170	170	12	16	24	32	32	37	52	64	61
180	51	34	34	36	20	-29	-61	-74	-73	-72
190	-72	-78	-77	-51	-27	-16	-7	3	20	32
200	24	13	0	-14	-26	-42	-74	-97	-112	-104
210	-76	-41	-19	0	22	35	43	47	43	33
220	27	24	21	33	53	79	95	107	114	126
230	139	144	128	113	97	77	65	55	50	45
240	38	34	34	35	38	41	50	55	61	61
250	56	47	44	42	41	41	31	27	23	19
260	13	6	3	6	21	30	31	19	4	-7
270	-9	-10	-14	-16	-27	-24	-31	-40	-43	-50
280	-6	0	0	-14	-33	-33	-29	-25	-25	-25
290	-27	-24	-13	-4	0	0	-3	-6	-5	3
300	17	35	61	65	61	53	35	27	24	20
310	18	16	11	13	29	41	47	51	52	62
320	75	82	87	89	92	96	92	86	86	93
330	102	99	99	99	99	99	99	99	99	99
340	102	99	99	99	99	99	99	99	99	99
350	-6	-3	-10	-22	-19	-19	9	20	24	30
360	31	25	17	-21	-19	-11	-4	-2	-12	-13
370	-14	-16	-16	-7	3	10	23	29	30	29
380	29	29	30	30	29	19	7	-8	-10	-1
390	10	21	20	20	20	17	12	-2	-18	-21
400	21	40	45	52	51	35	21	7	-2	-23
410	-28	-34	-33	-21	-16	7	2	9	14	20
420	28	29	23	17	13	19	16	11	9	9
430	10	15	30	57	88	111	121	123	113	97
440	81	76	76	75	74	66	53	48	59	66
450	64	61	55	47	41	33	21	17	12	10
460	-2	-21	-25	-20	-8	10	10	14	18	25
470	31	30	33	45	52	54	51	46	44	40
480	25	8	-23	-40	-44	-40	-31	-27	-24	-12
490	4	16	23	23	14	9	-13	-38	-43	-43
500	-48	-51	-62	-65	-57	-42	-16	15	28	35

TO BE CONTINUED

CONTINUED (S-882 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	40	62	102	128	143	138	121	98	86	82
520	72	42	44	17	11	25	32	34	33	30
530	26	22	10	17	4	4	3	7	-10	-6
540	8	18	1	7	27	46	38	26	26	15
550	18	18	21	36	40	48	61	73	124	75
560	75	78	63	95	99	102	125	128	121	73
570	70	65	53	52	46	17	15	2	-26	-28
580	-26	-21	-19	52	-34	-31	-21	3	-5	-17
590	-56	-25	-30	-32	-34	-31	-21	3	-5	-17
600	5	-25	-30	-32	-34	-31	-21	3	-5	-17
610	-41	-50	-43	-41	-28	-53	-63	-68	-67	-64
620	4	44	17	28	24	22	19	10	5	-4
630	53	44	37	28	24	22	19	10	5	-4
640	41	45	16	33	56	76	76	37	37	60
650	-15	42	16	33	56	76	76	37	37	60
660	39	47	44	45	45	45	46	41	32	24
670	38	46	46	46	46	46	46	46	46	46
680	41	46	46	46	46	46	46	46	46	46
690	-9	-10	-10	-11	-11	-11	-10	4	-1	-1
700	-70	-66	-69	-66	-66	-66	-66	-66	-66	-66
710	89	88	86	87	86	85	84	83	82	81
720	77	77	77	77	77	77	77	77	77	77
730	10	9	9	10	10	10	10	10	10	10
740	-59	-74	-59	-74	-59	-74	-59	-74	-59	-74
750	-105	-102	-89	-77	-62	-49	-39	-29	-21	-15
760	-44	-44	-44	-44	-44	-44	-44	-44	-44	-44
770	183	182	174	168	160	158	157	143	133	112
780	110	106	106	95	82	68	52	44	148	164
790	143	110	106	95	82	68	52	44	148	164
800	-24	-25	-25	-25	-25	-25	-25	-25	-25	-25
810	-63	-82	-81	-81	-81	-81	-81	-81	-81	-81
820	35	71	95	111	123	137	148	164	187	186
830	58	11	38	48	48	48	48	48	48	48
840	26	70	113	134	154	176	196	216	236	256
850	37	8	-21	-43	-67	-91	-115	-139	-163	-187
860	-70	-12	2	8	17	26	35	44	53	62
870	66	74	79	81	91	92	96	99	102	104
880	48	33	21	13	2	-10	-18	-26	-34	-42
890	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62
900	39	25	16	14	15	12	12	12	12	12
910	28	39	44	44	44	44	44	44	44	44
920	14	-6	-24	-49	-74	-99	-124	-149	-174	-199
930	-91	-84	-49	-35	-21	0	25	50	75	100
940	-6	-24	-33	-33	-27	0	25	50	75	100
950	71	90	106	118	123	124	139	158	174	190
960	76	38	13	10	11	11	11	11	11	11
970	53	78	91	107	128	130	147	170	194	216
980	120	115	110	94	82	66	50	34	18	12
990	-31	-38	-39	-34	-36	-40	-44	-48	-52	-56
1000	-48	-48	-48	-48	-48	-48	-48	-48	-48	-48
1010	-76	-63	-37	-17	36	69	102	135	168	201
1020	62	64	64	64	64	64	64	64	64	64
1030	61	54	51	44	33	14	6	1	-6	-14
1040	-18	-17	-17	-22	-30	-35	-38	-41	-44	-46

TO BE CONTINUED

CONTINUED(S-882 U-D)

CONTINUED(S-882 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-21	-13	-10	0	0	3	16	37	55	59
1050	-55	-27	36	23	10	-13	-25	-34	88	32
1070	-33	-22	-11	10	-13	13	11	13	15	35
1080	73	33	76	95	107	114	113	110	100	108
1100	116	93	86	66	66	67	85	98	106	108
1120	-12	112	106	42	81	67	58	54	38	52
1130	-62	-31	-73	-73	-73	-73	-76	-76	-73	-75
1150	-18	-62	-66	-78	-72	-72	-56	-72	30	34
1150	34	34	31	26	13	5	7	5	9	97
1170	105	108	102	96	87	63	63	57	44	40
1180	21	15	1	6	4	3	-2	-7	-18	-11
1180	3	3	2	31	31	35	35	35	38	38
1200	97	102	123	133	134	96	82	64	30	9
1210	-6	-24	-37	-54	-59	-62	-64	-63	-62	-69
1220	-33	-15	-1	-3	4	-7	-1	-5	-2	-33
1230	-30	-22	-21	-17	-12	-7	-1	-6	-3	-33
1250	34	47	31	56	52	50	40	37	24	17
1270	65	64	73	0	8	32	24	22	61	56
1280	75	70	56	48	79	83	86	82	61	59
1290	62	68	75	80	75	64	46	52	55	59
1300	78	-6	-21	-21	-16	-22	44	31	20	27
1320	-87	-26	-79	-69	-61	-74	-27	-1	-74	-82
1330	-2	0	0	-24	-8	-10	-17	-16	-28	-31
1350	41	-35	-35	-27	-18	-11	0	21	30	35
1370	42	24	20	41	39	36	35	23	19	18
1380	55	65	74	71	74	74	70	74	81	85
1390	55	65	74	71	74	74	70	74	81	85
1400	112	105	117	128	144	151	157	158	180	197
1410	-51	-57	-63	-31	-11	-6	-27	-35	-45	-45
1420	-20	-24	-27	-34	-42	-37	-16	-10	-7	-13
1430	-33	-45	-47	-51	-55	-61	-71	-67	-85	-87
1450	-42	-52	-68	-63	-70	-67	-47	-37	-29	-29
1460	35	55	69	71	60	24	31	41	48	52
1470	126	117	111	103	81	94	107	118	124	131
1480	85	61	56	44	37	37	31	37	77	70
1500	-50	-50	-10	-14	-17	-22	-31	-38	-47	-50
1510	-27	-10	0	7	14	26	43	42	40	30
1520	67	68	63	61	51	48	34	29	35	37
1530	4	4	-17	-21	-18	-18	-15	-15	5	11
1540	20	24	30	35	45	66	57	66	75	87
1550	68	99	101	95	85	79	57	62	25	25
1560	-27	4	-3	-8	-14	-19	-22	-25	-27	-26
1580	12	-25	-20	-12	-19	-29	-37	-43	-47	-50

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-882 U-D)

CONTINUED(S-882 U-D)

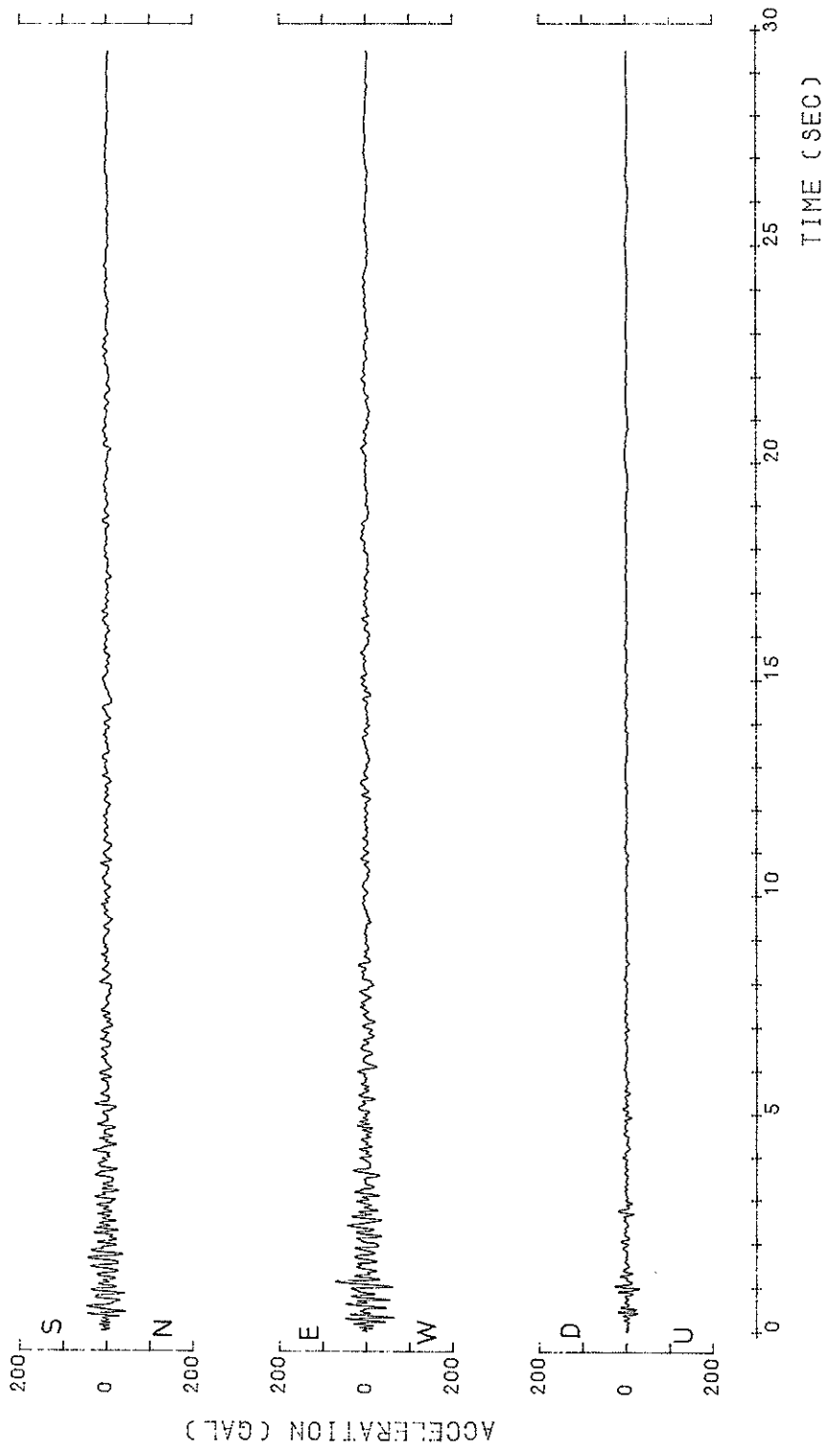
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	-44	-55	-62	-65	-66	-70	-69	-67	-63	-49
2140	-42	-27	-10	41	42	13	20	24	24	30
2150	-35	37	36	34	31	31	31	31	41	42
2160	41	32	36	70	70	70	70	67	60	50
2170	42	32	36	21	17	-6	2	-6	-13	-16
2180	41	38	30	18	-20	-33	-24	-34	-44	-24
2190	-18	-18	-18	-18	-30	-38	-36	-46	-46	-47
2200	-27	-20	-10	-27	-51	-47	-50	-47	-45	-41
2210	-51	-51	-20	-10	6	3	-5	0	0	3
2220	-31	-30	-10	30	34	34	34	34	35	34
2230	-30	11	27	24	23	23	21	18	16	15
2240	35	14	27	24	20	29	29	36	41	45
2250	14	14	14	16	20	20	20	36	42	42
2260	51	27	91	92	62	62	62	62	62	62
2270	65	86	74	73	74	75	75	75	75	79
2280	82	82	81	79	75	68	57	47	36	26
2290	82	82	81	79	75	68	57	47	36	26
2300	-37	-56	-54	-53	-48	-47	-45	-44	-43	-43
2310	-37	-56	-54	-53	-48	-47	-45	-44	-43	-43
2320	-42	-42	-42	-42	-42	-42	-42	-42	-42	-42
2330	-38	-38	-43	-46	-47	-51	-51	-55	-54	-50
2340	-38	-38	-43	-46	-47	-51	-51	-55	-54	-50
2350	39	77	52	57	62	69	76	80	85	76
2360	47	45	41	38	34	31	28	25	24	21
2370	17	17	17	16	13	10	7	1	-3	-4
2380	-8	-10	-14	-18	-24	-27	-32	-34	-34	-34
2390	-9	-35	-34	-31	-27	-25	-24	-22	-21	-20
2400	-14	-17	-11	-11	-11	-11	-15	-15	-15	-16
2410	-12	-15	-17	-17	-17	-17	-17	-16	-16	-14
2420	-9	-16	1	7	13	20	20	20	20	22
2430	16	14	14	6	6	7	5	0	-7	-13
2440	16	13	-11	-2	3	10	15	23	33	41
2450	51	60	84	63	62	57	56	56	55	54
2460	41	46	47	45	43	42	40	37	35	33
2470	29	29	27	28	26	24	21	21	21	18
2480	17	19	19	14	11	11	7	7	7	7
2490	-22	-16	-18	-17	-17	-17	-14	-14	-16	-18
2500	12	11	10	10	10	12	11	11	13	13
2510	12	11	10	10	10	9	7	3	-1	-4
2520	-4	-5	-6	-7	-11	-10	-7	-6	-1	-3
2530	-4	-5	-6	-7	-11	-10	-7	-6	-1	-3
2540	6	8	8	0	-2	-1	-1	-4	-4	-4
2550	13	8	0	-5	-8	-11	-13	-15	-17	-22
2560	-24	-27	-27	-30	-32	-34	-34	-35	-34	-34
2570	-34	-35	-37	-41	-42	-41	-40	-39	-38	-37
2580	-30	-31	-34	-34	-36	-35	-33	-30	-28	-26
2590	-19	-11	-5	5	10	17	23	30	33	34
2600	44	50	52	53	54	55	58	61	62	62
2610	91	92	92	82	62	63	64	65	66	68
2620	73	73	73	72	72	71	68	67	65	64
2630	63	61	61	54	48	41	37	31	24	24
2640	14	6	0	-5	-11	-17	-20	-27	-37	-41

END

TO BE CONTINUED

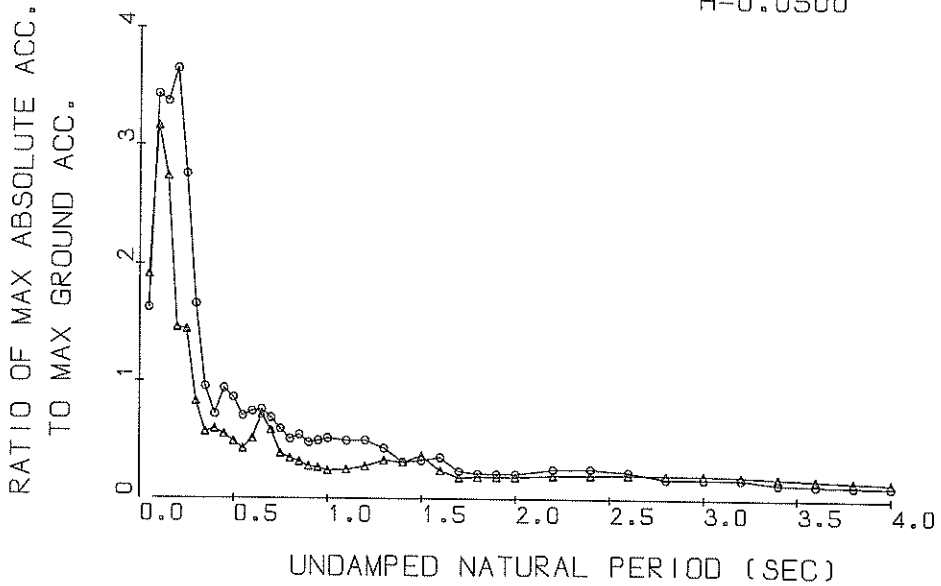
1975-04-21-02-35

S-924 OITA-S



S-924 OITA-S
1975-04-21-02-35

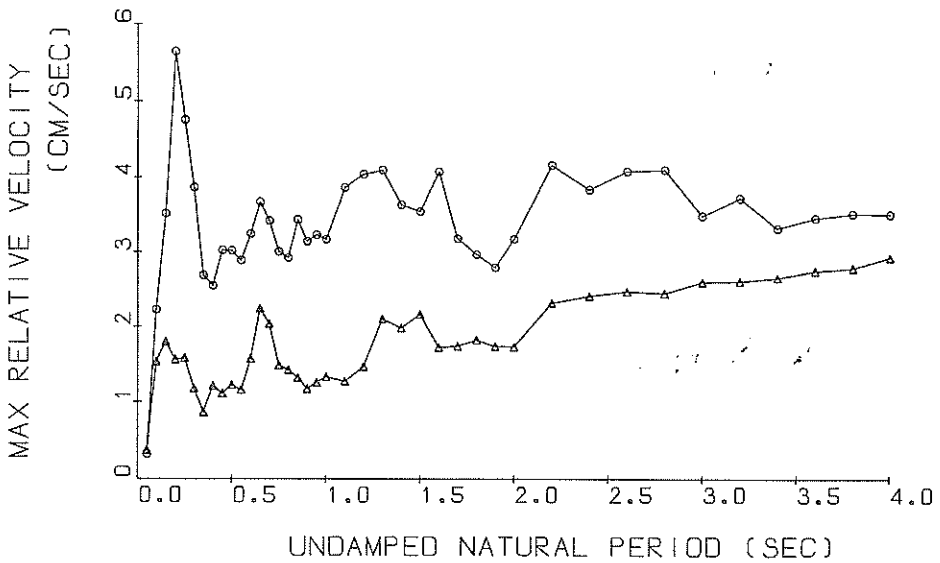
○ N-S
△ U-D
H=0.0500



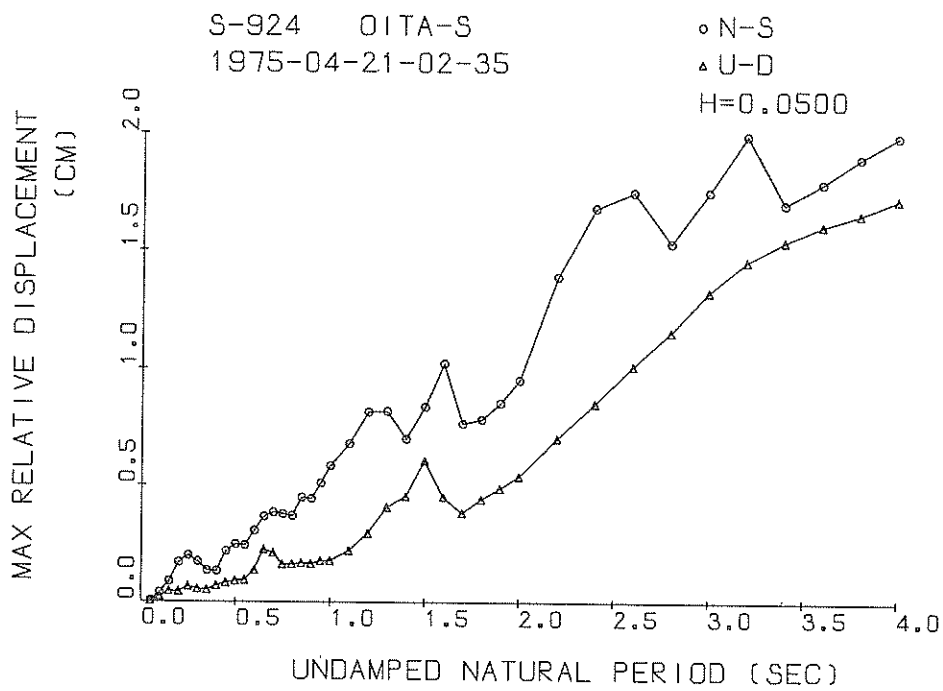
Response Spectra

S-924 OITA-S
1975-04-21-02-35

○ N-S
△ U-D
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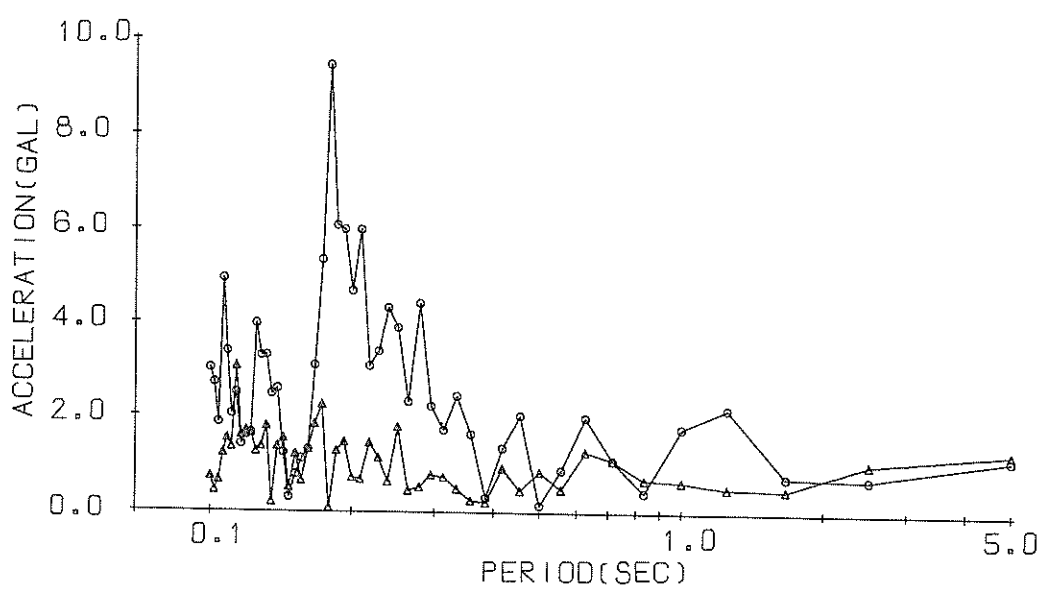


Response Spectra



Response Spectra

S-924 ◦ N-S TSK=0.00 TUS=5.00
 △ U-D TSK=0.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-924
 DATE AND TIME = 1975-04-21-02-35
 TIME LENGTH = 20.00 (SEC)

COMPONENT = U-D
 SIGNAL = GR.ACC.
 CORRECTION = ZERO.ARC
 STATION = OITA-S

SAMPLING INTERVAL = 0.0100(SEC)
 MAX.GROUND ACC. = 29.33 (GAL)

SKIPPED LENGTH = 0. (SEC)

DAMPING = 0. DAMPING = 0.025 DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	78.4	0.61	0.005	65.0	0.44	0.004	56.1	0.37	0.004	46.1	0.29	0.003
0.10	159.1	2.49	0.040	112.1	1.83	0.028	92.7	1.54	0.023	74.3	1.14	0.018
0.15	132.8	3.14	0.076	90.3	2.06	0.051	80.2	1.80	0.045	62.4	1.49	0.036
0.20	90.2	2.79	0.091	55.2	1.73	0.068	42.9	1.58	0.043	34.9	1.23	0.035
0.25	113.6	4.41	0.180	55.5	2.14	0.088	42.5	1.58	0.067	30.5	1.23	0.048
0.30	48.1	2.27	0.110	28.2	1.33	0.064	24.3	1.18	0.055	20.2	0.95	0.045
0.35	35.5	1.97	0.110	20.2	0.98	0.063	16.6	0.86	0.051	14.5	0.86	0.044
0.40	53.9	3.33	0.219	20.4	1.33	0.083	17.3	1.22	0.070	14.1	1.05	0.056
0.45	43.1	3.09	0.221	19.7	1.30	0.101	16.0	1.22	0.082	12.7	0.95	0.062
0.50	60.1	4.74	0.381	19.0	1.59	0.120	14.2	1.23	0.090	11.3	1.00	0.067
0.55	35.9	3.21	0.275	14.7	1.20	0.113	12.4	1.16	0.094	9.8	1.07	0.073
0.60	29.3	2.75	0.267	17.8	1.71	0.162	14.9	1.57	0.136	11.5	1.23	0.103
0.65	49.7	5.01	0.532	28.6	2.96	0.306	21.0	2.23	0.210	13.6	1.53	0.142
0.70	59.9	6.59	0.743	23.9	2.75	0.296	17.0	2.03	0.210	12.2	1.52	0.149
0.75	23.7	2.76	0.338	12.4	1.52	0.177	11.3	1.49	0.160	9.9	1.24	0.139
0.80	14.2	1.95	0.231	10.8	1.59	0.175	10.0	1.43	0.161	8.8	1.20	0.140
0.85	15.5	2.12	0.284	10.0	1.43	0.182	9.2	1.33	0.167	8.1	1.13	0.143
0.90	9.8	1.48	0.201	8.1	1.21	0.167	8.0	1.18	0.163	7.3	1.08	0.144
0.95	15.4	2.13	0.351	9.3	1.35	0.213	7.8	1.26	0.176	6.7	1.12	0.146
1.00	19.1	3.09	0.484	9.7	1.51	0.244	7.0	1.34	0.176	6.0	1.13	0.147
1.10	12.2	2.15	0.375	8.7	1.54	0.266	7.2	1.27	0.219	6.4	1.06	0.195
1.20	11.6	2.23	0.423	9.6	1.81	0.351	8.1	1.47	0.293	6.6	1.16	0.239
1.30	27.1	5.50	1.156	14.4	3.03	0.618	9.5	2.10	0.406	6.1	1.36	0.257
1.40	22.0	4.88	1.091	12.8	2.77	0.635	8.1	1.98	0.451	7.0	1.41	0.344
1.50	22.3	4.77	1.273	14.4	3.01	0.820	10.7	2.16	0.606	7.5	1.41	0.418
1.60	11.1	2.84	0.719	8.3	2.12	0.540	7.0	1.72	0.449	6.2	1.24	0.394
1.70	5.3	2.00	0.387	5.7	1.87	0.416	5.2	1.74	0.382	5.1	1.50	0.367
1.80	10.0	2.96	0.821	6.2	2.03	0.508	5.4	1.82	0.440	4.9	1.51	0.390
1.90	10.8	3.73	0.998	7.0	2.05	0.637	5.4	1.74	0.487	4.5	1.40	0.405
2.00	11.2	3.56	1.134	6.7	2.22	0.676	5.4	1.73	0.538	4.8	1.43	0.476
2.20	8.5	3.05	1.037	6.2	2.64	0.764	5.8	2.32	0.703	5.2	1.82	0.619
2.40	7.5	3.13	1.101	6.3	2.71	0.919	5.9	2.41	0.854	4.2	2.03	0.742
2.60	10.5	4.20	1.797	6.4	2.72	1.092	6.0	2.47	1.013	5.2	2.07	0.879
2.80	7.8	4.36	1.552	6.3	2.73	1.249	5.9	2.44	1.157	5.2	2.22	1.002
3.00	6.8	3.27	1.552	6.3	2.91	1.432	5.9	2.60	1.326	5.2	2.34	1.147
3.20	6.5	4.54	1.699	6.1	2.91	1.571	5.7	2.61	1.456	5.0	2.39	1.261
3.40	6.1	3.08	1.799	5.7	2.82	1.663	5.3	2.66	1.541	4.8	2.40	1.334
3.60	6.1	3.17	2.004	5.3	2.91	1.734	4.9	2.75	1.606	4.4	2.48	1.388
3.80	6.0	4.17	2.205	4.9	3.05	1.792	4.5	2.80	1.655	4.0	2.53	1.425
4.00	6.1	3.82	2.460	5.0	3.27	2.011	4.3	2.94	1.718	3.7	2.56	1.469

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-924 COMPONENT = U-D STATION = OITA-S
 DATE AND TIME = 1975-04-21-02-35 TOTAL NUMBER OF DATA = 2950
 SAMPLING INTERVAL = 0.10 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CORRECTION = ZERO.ARC

CONTINUED(S-924 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	0	-13	-14	6	-3	-28	-46	-32	12	5
10	-22	-33	-24	-24	-24	-22	-18	-22	-14	-16
20	-27	-52	-41	-24	-6	10	38	50	31	-30
30	-41	-53	-44	-35	-40	22	49	73	80	29
40	-168	-206	-242	-249	-189	181	194	186	89	-193
50	-206	-215	-167	106	127	132	111	-25	-20	-41
60	-37	-46	-46	-45	4	15	36	43	24	3
70	-14	-17	-24	-25	-34	-30	17	4	25	25
80	26	26	1	-85	-104	-121	-137	-136	-77	172
90	189	185	115	-114	-146	-183	-228	-293	-278	185
100	92	108	264	266	235	133	-5	-50	-101	-118
110	-128	-121	-108	-90	-69	-32	-10	-3	-7	-8
120	-10	-19	-7	-37	133	137	110	34	-57	61
130	-105	-126	-112	-133	-28	35	54	69	67	61
140	58	47	27	6	-14	-30	-43	-44	-44	-44
150	-27	-22	-22	-6	-2	28	37	30	30	0
160	19	5	0	-6	-2	9	14	10	0	-7
170	-12	-20	-13	0	0	1	0	-3	-3	0
180	-9	-8	0	19	41	56	66	72	76	84
190	75	57	36	13	-1	-19	-27	-26	-28	-16
200	14	84	104	125	127	114	104	45	2	-29
210	-57	-60	-45	-57	-35	-6	14	28	44	44
220	44	44	44	44	44	34	21	13	8	2
230	24	24	35	33	33	21	4	-7	-26	-37
240	-38	-27	-17	-17	-10	-11	-8	-2	13	13
250	43	54	54	41	34	27	20	20	35	44
260	53	54	31	-9	-62	-111	-148	-158	-131	-6
270	47	113	155	181	191	170	150	119	0	-7
280	-39	-52	-70	-50	-32	-11	1	0	0	-51
290	-107	-119	-126	-96	-60	-25	1	16	11	12
300	2	-1	-18	-21	-28	-22	-21	-9	-10	-32
310	1	9	11	11	17	8	8	15	17	17
320	30	31	21	11	11	-4	-11	0	9	20
330	31	39	30	19	8	-9	-21	-20	-20	-8
340	-3	4	9	15	16	14	7	0	-5	-9
350	-9	-11	-10	-20	-23	-24	-23	-24	-16	-1
360	20	38	38	38	38	33	20	20	-2	-19
370	-20	-21	-20	-22	-4	13	19	37	32	33
380	28	6	-1	-1	-1	19	9	18	10	9
390	6	-3	-6	-11	-13	-4	17	40	67	78
400	83	80	77	40	14	8	11	17	28	37
410	37	29	19	8	-3	-11	-33	-45	-61	-61
420	-66	-60	-53	-50	-52	-40	-42	-21	-12	-12
430	-1	3	-11	-10	-21	-21	-31	-31	-32	-31
440	-30	-32	-35	-38	-42	-45	-45	-41	-22	-8
450	19	28	32	43	50	59	57	50	41	31
460	11	-1	-10	-3	9	32	40	38	38	29
470	23	19	30	29	32	33	27	8	0	-6
480	-11	-12	-2	7	19	32	38	29	6	-10
490	-51	-63	-103	-110	-101	-60	-17	9	19	28
500	19	3	-11	-21	-31	-43	-42	-20	3	39

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	70	80	82	77	69	39	18	0	-14	-21
520	-28	-33	-3	-2	8	23	23	9	0	-3
530	-13	-11	-2	8	13	18	16	29	27	30
540	30	30	12	-12	-40	-60	-62	-66	-73	-63
550	-64	-70	-12	16	29	23	15	5	8	0
560	-2	-22	-32	-34	-43	-43	-36	-22	-12	-11
570	21	22	0	0	6	6	6	6	12	17
580	-4	0	16	13	8	9	13	19	28	28
590	18	22	31	50	48	39	37	30	23	27
600	33	32	31	28	29	18	17	17	17	17
610	19	16	16	5	8	-3	-14	-20	-22	-16
620	30	16	12	5	9	8	9	8	13	18
630	18	11	-6	-22	-10	-10	-10	-10	-10	-10
640	29	26	13	17	29	16	19	19	22	22
650	-11	-7	0	6	19	3	-2	-6	-10	-11
660	28	8	0	-32	-42	-52	-52	-31	-24	-11
670	29	15	19	19	9	9	-3	-14	-23	-15
680	710	710	0	29	33	37	30	33	37	30
690	720	720	18	18	29	30	23	9	5	-2
700	730	730	16	16	29	37	37	39	39	43
710	740	740	39	39	6	6	7	17	18	18
720	750	750	18	18	15	30	38	39	43	48
730	760	760	40	30	15	0	-3	-2	1	0
740	770	770	15	14	13	9	7	3	0	6
750	780	780	-6	-10	-10	-2	-4	-11	-13	-12
760	790	790	-2	-6	-6	6	6	1	-3	-10
770	800	800	-16	-5	-5	0	11	19	40	50
780	810	810	50	41	38	33	30	29	28	16
790	820	820	16	19	19	16	9	9	9	9
800	830	830	0	0	-1	-1	0	6	18	18
810	840	840	-3	-20	-35	-44	-45	-51	-53	-27
820	850	850	12	14	13	14	7	-2	-3	-2
830	860	860	-1	1	0	0	1	-2	-1	-1
840	870	870	-1	-1	-1	1	1	-2	-1	-1
850	880	880	19	18	19	19	19	19	19	19
860	890	890	19	18	9	5	0	-6	-10	-10
870	900	900	-10	-1	6	8	15	13	7	8
880	910	910	9	9	12	8	8	7	-1	-2
890	920	920	-6	-13	-11	-10	-6	-11	-13	-14
900	930	930	-17	-22	-21	-15	-10	-6	-11	-11
910	940	940	-1	-2	-6	0	0	-1	-1	0
920	950	950	19	13	9	0	0	16	17	29
930	960	960	-3	-4	3	8	7	-19	-11	-15
940	970	970	-13	-4	9	5	0	-6	-10	-18
950	980	980	3	4	8	3	0	-3	-6	-9
960	990	990	17	19	19	16	17	16	15	16
970	1000	1000	15	15	16	16	15	15	15	16
980	1010	1010	30	30	29	29	30	30	29	19
990	1020	1020	8	6	-3	-3	-3	-3	-3	-3
1000	1030	1030	-3	-3	-3	0	0	-1	-1	0
1010	1040	1040	0	-1	-1	-1	-1	-1	-1	-10

TO BE CONTINUED

CONTINUED(S-924 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	0	6	7	7	8	8	8	7	6	-2
1060	-3	-13	7	7	13	9	9	9	0	0
1070	0	-13	-24	-24	-24	-23	-23	-24	0	-22
1080	30	-21	-21	-21	-21	-21	-21	-21	-24	-12
1090	-20	-29	-40	-39	-42	-30	-30	-10	0	14
1100	19	40	19	20	17	20	24	30	31	8
1110	38	49	40	39	30	29	19	20	17	8
1120	11	10	10	10	10	11	11	8	0	-2
1130	-9	-8	11	5	11	16	19	18	10	11
1140	5	8	11	15	21	30	35	42	33	30
1150	25	20	18	15	10	11	8	8	11	10
1160	17	20	19	19	10	10	0	0	-9	-9
1170	-8	0	-1	0	0	1	1	1	1	0
1180	-3	-5	-4	-4	-1	0	4	1	1	2
1190	0	-2	-4	-7	-8	0	12	12	0	8
1200	-1	-3	-7	-11	-8	0	9	9	8	9
1210	6	16	9	9	8	9	9	10	9	9
1220	0	0	0	0	0	0	0	-17	-20	0
1230	9	9	9	10	10	10	10	2	2	2
1240	-17	-23	-28	-22	-19	-17	-8	-1	2	8
1250	11	20	20	20	15	0	1	-9	-10	1
1260	1	1	10	20	20	20	20	20	20	20
1270	22	21	32	32	32	32	33	33	33	33
1280	32	35	26	22	22	22	19	19	19	19
1290	19	20	19	19	19	20	19	19	19	19
1300	19	22	25	26	22	22	22	22	12	9
1310	9	8	6	1	-9	2	1	2	12	9
1320	11	11	12	8	6	0	-1	-9	-8	-9
1330	-8	-7	-7	-7	-11	-19	-18	-18	-18	-17
1340	-17	-8	-1	0	-8	-7	-11	-23	-28	-21
1350	-17	-8	-1	0	-8	-7	-11	-19	-18	-17
1360	-8	-1	0	0	-8	-7	-11	-19	-18	-17
1370	-15	-18	-17	-9	-8	-13	-18	-28	-28	-28
1380	9	9	12	20	20	22	22	19	16	9
1390	9	6	25	22	21	22	22	16	9	9
1400	12	25	22	22	12	8	5	1	9	9
1410	9	-19	-15	-10	-5	1	35	35	35	35
1420	0	-8	-11	-10	-11	1	1	35	40	40
1430	0	-8	-11	-10	-11	1	1	35	40	40
1440	35	32	26	28	30	32	32	36	40	40
1450	40	19	22	22	22	19	14	11	10	10
1460	11	2	2	2	-7	-19	-18	-18	-18	-18
1470	-7	0	5	1	1	0	1	1	1	1
1480	-7	0	5	1	1	0	1	1	1	1
1490	8	9	11	17	17	22	22	12	2	-4
1500	-8	-9	-11	-17	-17	-17	-17	-8	-8	-11
1510	15	21	22	-24	-19	-13	16	19	22	25
1520	21	21	20	22	22	19	18	12	9	10
1530	22	22	22	22	22	20	20	13	9	10
1540	11	8	1	0	0	0	-3	-7	-13	-10
1550	15	40	2	4	1	8	9	9	2	0
1560	-8	-5	-2	-2	-1	1	2	2	1	-1
1570	1	1	19	25	22	31	32	31	32	36
1580	40	40	33	31	22	22	22	20	20	18

TO BE CONTINUED

CONTINUED(S-924 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	15	11	12	6	1	1	1	1	1	-3
1600	0	0	2	12	11	15	1	1	1	2
1610	2	1	9	2	2	2	2	2	2	2
1620	-7	-7	-9	-7	-7	-7	-7	-7	-7	-7
1630	-7	-27	-27	-19	-14	-6	0	0	0	0
1640	1	1	1	16	18	9	12	4	4	0
1650	6	12	18	16	18	9	12	4	4	0
1660	0	4	0	0	0	0	0	0	0	0
1670	0	-1	-8	-9	-6	-10	1	1	1	1
1680	2	2	1	0	0	0	0	0	0	0
1690	1	1	1	0	0	0	0	0	0	0
1700	2	5	0	0	0	0	0	0	0	0
1710	0	2	0	0	0	0	0	0	0	0
1720	0	2	0	0	0	0	0	0	0	0
1730	14	19	18	16	12	10	8	12	16	12
1740	11	11	12	12	10	8	6	15	16	12
1750	-7	0	0	2	6	2	2	4	4	0
1760	12	12	9	9	6	2	2	2	2	2
1770	12	0	0	0	0	0	0	0	0	0
1780	12	0	8	5	2	2	2	2	2	2
1790	8	2	8	6	6	6	6	6	6	6
1800	8	8	8	8	8	8	8	8	8	8
1810	-8	-9	-7	-9	-7	-7	-7	-7	-7	-7
1820	-8	-9	-7	-9	-7	-7	-7	-7	-7	-7
1830	-13	-7	-1	0	0	0	0	0	0	0
1840	22	22	22	22	16	15	11	12	12	12
1850	12	12	12	12	12	12	12	12	12	12
1860	19	14	12	12	12	12	12	12	12	12
1870	12	12	12	12	11	11	11	11	11	11
1880	12	12	22	22	12	12	12	12	12	12
1890	2	8	8	8	8	8	8	8	8	8
1900	2	0	2	2	2	2	2	2	2	2
1910	7	0	0	0	0	0	0	0	0	0
1920	-7	-9	-7	-8	-11	-10	-10	-10	-10	-10
1930	-11	-13	-16	-26	-26	-26	-26	-26	-26	-26
1940	-35	-32	-27	-28	-32	-32	-32	-32	-32	-32
1950	-39	-39	-37	-39	-39	-39	-39	-39	-39	-39
1960	-17	-28	-28	-27	-27	-27	-27	-27	-27	-27
1970	-7	-29	-20	-20	-20	-20	-20	-20	-20	-20
1980	-6	-7	9	0	1	2	2	2	2	2
1990	13	13	13	10	13	12	13	13	13	13
2000	13	13	17	20	23	23	23	23	23	23
2010	34	33	34	33	33	33	33	33	33	33
2020	33	33	33	33	33	33	33	33	33	33
2030	31	23	23	23	23	23	23	23	23	23
2040	13	15	15	19	23	23	23	23	23	23
2050	12	12	3	3	2	2	2	2	2	2
2060	10	0	0	0	0	0	0	0	0	0
2070	-10	-36	-16	-27	-37	-38	-38	-38	-38	-38
2080	-13	-36	-31	-30	-30	-30	-30	-30	-30	-30
2090	-30	-30	-30	-31	-31	-31	-31	-31	-31	-31
2100	-30	-30	-30	-31	-31	-31	-31	-31	-31	-31
2110	-17	-14	-14	-19	-19	-19	-19	-19	-19	-19
2120	-14	-16	-16	-8	-7	-7	-7	-7	-7	-7

TO BE CONTINUED

CONTINUED(S-924 U-D)

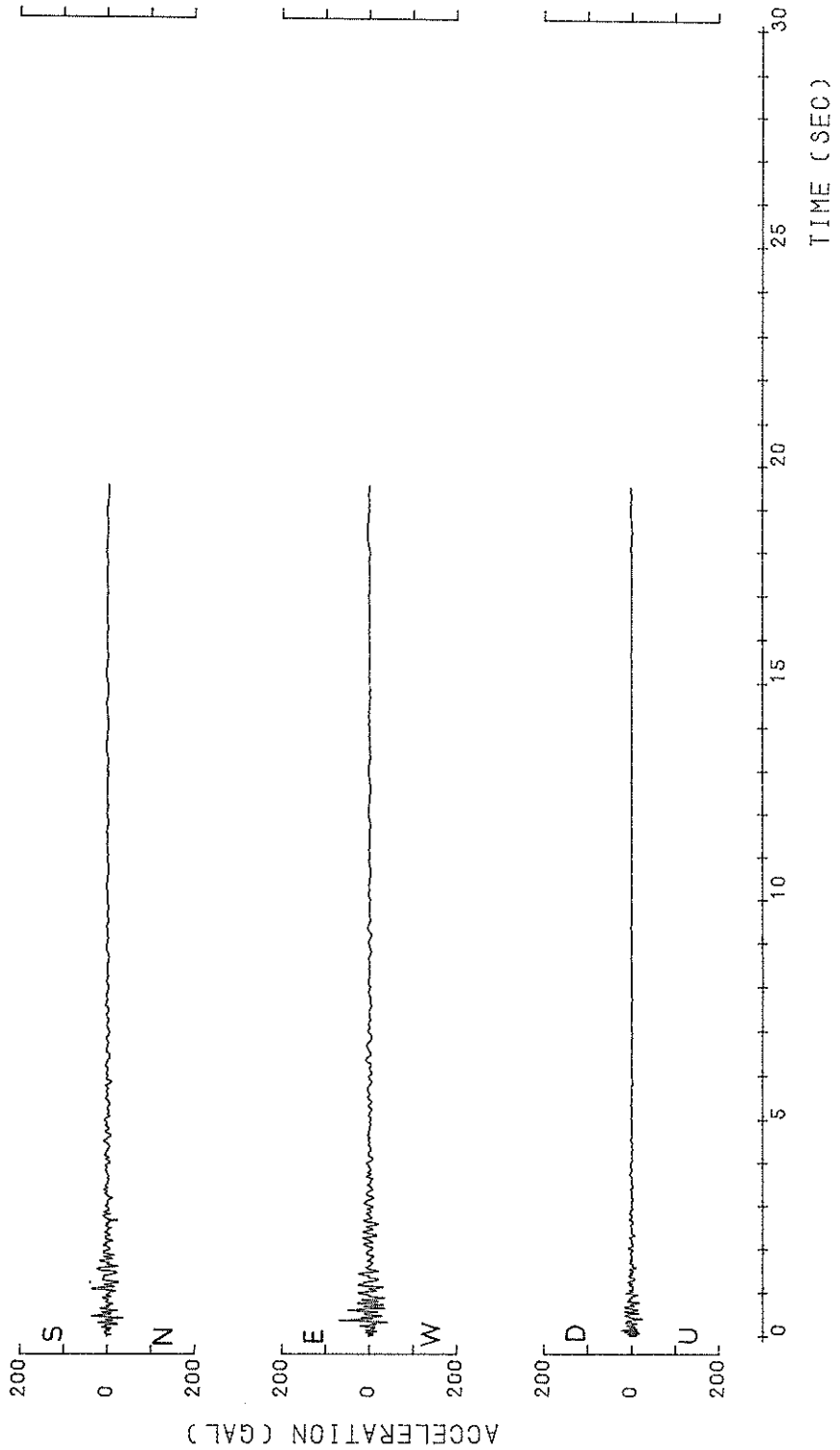
CONTINUED(S-924 U-D)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2130	3	5	13	2	0	1	0	2	3	10
2140	13	13	10	10	10	10	10	10	10	7
2150	9	10	10	10	10	10	10	10	10	10
2160	10	10	13	13	13	13	13	13	13	10
2170	19	17	13	11	13	11	10	6	0	2
2180	0	0	-2	-6	13	-7	0	0	0	7
2190	13	12	19	13	12	9	6	9	1	0
2200	-3	-7	-7	-6	3	1	1	1	1	10
2210	10	10	1	2	2	2	2	2	2	-7
2220	-7	-6	-8	-8	-7	-6	-7	-7	-7	-9
2230	-16	-16	-16	-16	-10	-9	-9	-12	-16	-16
2240	-8	-8	-8	-8	0	0	0	0	0	-9
2250	5	0	-1	1	0	-7	-7	-8	-8	-13
2260	-6	-6	-2	-7	-17	-7	-12	-6	3	7
2270	2	13	12	12	10	2	2	2	2	2
2280	0	10	10	7	2	0	2	2	0	0
2290	-2	-8	-7	-1	-1	-7	-6	-1	-7	-7
2300	-7	-7	-7	-7	-6	-6	-6	-6	-6	-7
2310	0	10	10	10	10	10	10	10	10	10
2320	0	10	10	10	10	10	10	10	10	10
2330	-2	-8	-1	-1	-2	-2	-2	-2	-2	-2
2340	-6	-6	-1	-1	-2	-7	-7	-7	-7	-7
2350	-7	-7	-7	-7	-6	-6	-6	-6	-6	-7
2360	-10	-12	-15	-15	-19	-19	-15	-15	-15	-13
2370	-17	-17	-17	-16	-19	-19	-19	-19	-19	-20
2380	-20	-19	-20	-23	-25	-26	-27	-26	-25	-20
2390	-17	-16	-15	-15	-16	-18	-17	-18	-15	-16
2400	-17	-20	-20	-17	-19	-20	-20	-20	-20	-20
2410	-28	-19	-27	-27	-15	-15	-15	-15	-15	-15
2420	-27	-27	-27	-27	-16	-16	-16	-16	-16	-16
2430	-16	-23	-27	-27	-27	-27	-27	-27	-27	-27
2440	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
2450	-6	-4	-5	-5	-3	-6	-6	-6	-6	-6
2460	3	4	4	13	13	14	14	14	14	4
2470	0	0	0	0	0	-6	-6	-6	-6	0
2480	0	0	0	0	0	4	4	4	4	0
2490	3	14	14	14	14	14	14	14	14	14
2500	14	21	20	21	19	17	14	14	14	14
2510	4	2	2	2	4	4	4	4	4	4
2520	14	14	11	13	14	13	13	13	13	13
2530	13	13	13	13	13	11	9	10	10	6
2540	10	10	10	8	0	0	0	0	0	0
2550	-6	-6	-5	-5	-11	-16	-18	-22	-27	-26
2560	-24	-25	-25	-25	-26	-26	-26	-26	-26	-26
2570	-25	-26	-26	-26	-29	-30	-30	-30	-30	-30
2580	-37	-37	-37	-37	-37	-37	-37	-37	-37	-37
2590	-35	-35	-35	-35	-35	-34	-34	-34	-34	-34
2600	-28	-28	-29	-29	-30	-30	-30	-30	-30	-30
2610	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39
2620	-46	-45	-44	-44	-44	-44	-44	-44	-44	-44
2630	-45	-45	-44	-44	-44	-44	-44	-44	-44	-44
2640	-15	-10	-26	-27	-25	-24	-24	-24	-24	-24
2650	-14	8	-14	-14	-14	-14	-14	-14	-14	-14
2660	15	14	4	5	5	4	4	4	4	-4

TO BE CONTINUED

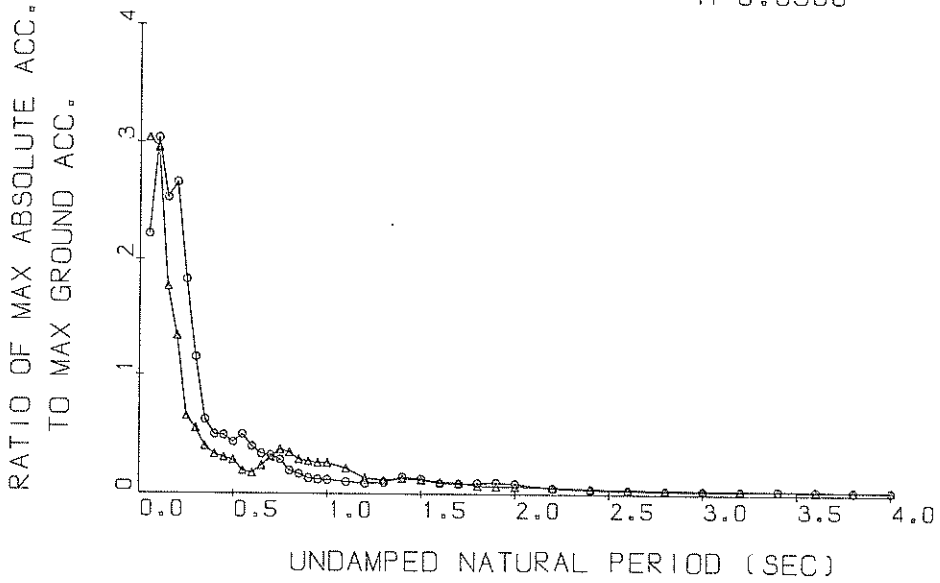
END

S-945 WAKAYAMA-S 1975-09-24-10-43



S-945 WAKAYAMA-S
1975-09-24-10-43

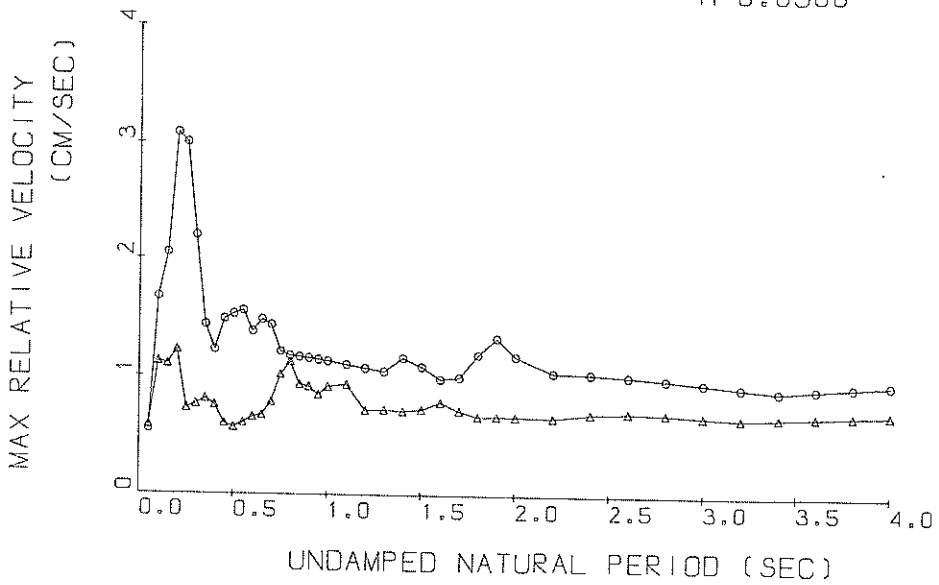
○ N-S
△ U-D
H=0.0500



Response Spectra

S-945 WAKAYAMA-S
1975-09-24-10-43

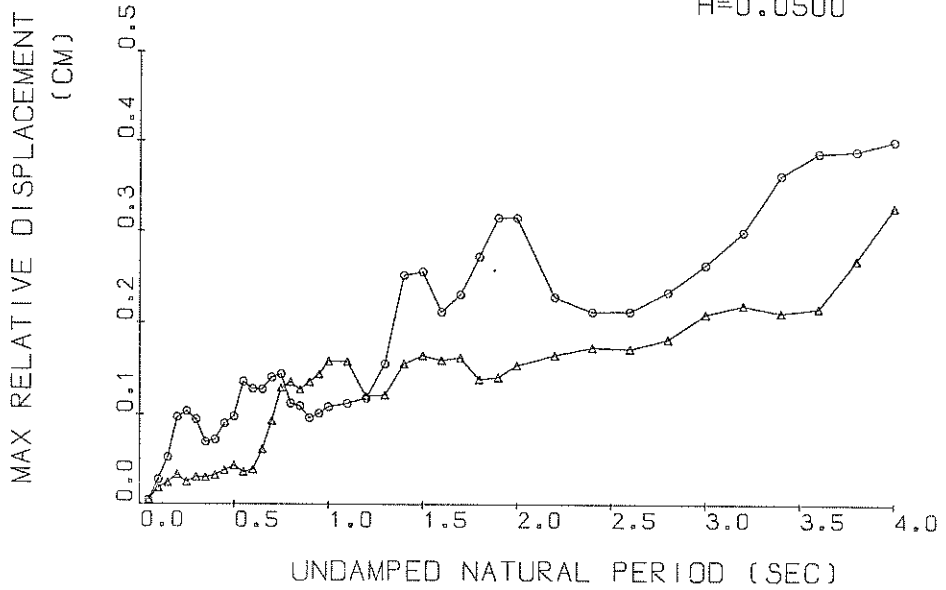
○ N-S
△ U-D
H=0.0500



Response Spectra

S-945 WAKAYAMA-S
 1975-09-24-10-43

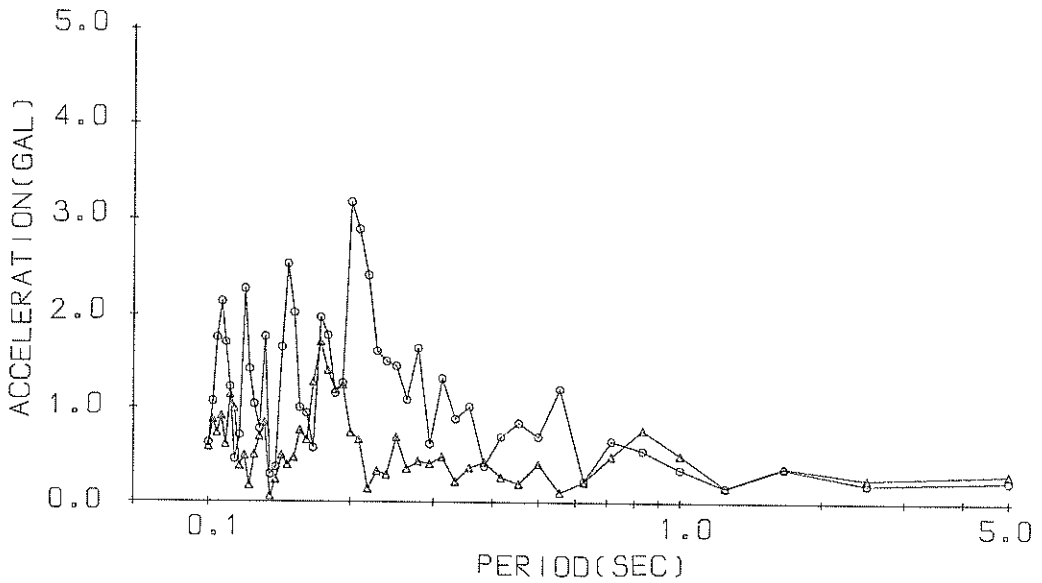
○ N-S
 △ U-D
 H=0.0500



Response Spectra

S-945

○ N-S TSK=0.00 TUS=5.00
 △ U-D TSK=0.00 TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-945 COMPONENT = U-D SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = WAKAYAMA-S
 DATE AND TIME = 1975-09-24-10-43 SAMPLING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 24.45 (GAL)
 TIME LENGTH = 10.00 (SEC) SKIPPED LENGTH = 0. (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	145.0	1.11	0.009	98.4	0.76	0.006	74.3	0.59	0.005	53.6	0.44	0.003	36.3	0.25	0.002
0.10	125.8	1.98	0.032	91.2	1.45	0.023	72.2	1.12	0.018	50.7	0.74	0.013	31.0	0.38	0.007
0.15	60.3	1.42	0.034	46.8	1.23	0.027	43.2	1.10	0.024	37.2	0.91	0.021	26.3	0.55	0.013
0.20	78.2	2.49	0.079	38.4	1.40	0.039	32.8	1.22	0.033	25.6	0.93	0.025	17.1	0.57	0.014
0.25	53.4	2.08	0.085	22.4	0.91	0.035	15.9	0.73	0.025	11.8	0.66	0.018	10.3	0.56	0.014
0.30	27.8	1.34	0.043	17.7	0.86	0.040	13.4	0.77	0.031	10.5	0.67	0.023	8.5	0.55	0.016
0.35	13.8	0.98	0.043	10.9	0.86	0.034	9.7	0.81	0.030	8.3	0.73	0.024	7.0	0.58	0.018
0.40	15.4	0.97	0.062	10.1	0.80	0.041	8.0	0.76	0.032	6.8	0.69	0.026	6.4	0.56	0.020
0.45	11.1	0.88	0.057	8.6	0.71	0.044	7.4	0.61	0.038	6.5	0.57	0.031	5.8	0.50	0.022
0.50	15.4	1.22	0.098	9.4	0.77	0.059	6.9	0.57	0.043	5.5	0.48	0.032	5.3	0.42	0.024
0.55	8.4	0.70	0.065	5.6	0.65	0.043	4.7	0.61	0.036	4.4	0.55	0.032	4.8	0.41	0.027
0.60	9.6	0.90	0.087	4.7	0.70	0.043	4.3	0.66	0.039	4.0	0.59	0.036	4.4	0.45	0.029
0.65	9.5	0.94	0.101	6.6	0.71	0.070	5.7	0.68	0.061	4.7	0.62	0.049	4.0	0.48	0.033
0.70	13.9	1.52	0.173	9.5	1.00	0.117	7.5	0.79	0.093	5.4	0.62	0.066	3.7	0.49	0.039
0.75	16.3	1.89	0.232	11.9	1.33	0.169	9.1	1.02	0.129	6.0	0.63	0.084	3.8	0.49	0.046
0.80	18.6	1.82	0.237	10.8	1.41	0.175	8.0	1.13	0.136	5.8	0.79	0.092	3.7	0.49	0.050
0.85	19.6	2.66	0.358	9.7	1.29	0.177	7.4	0.94	0.127	4.8	0.72	0.087	3.5	0.52	0.052
0.90	12.7	1.87	0.260	8.0	1.14	0.163	6.6	0.92	0.136	4.8	0.70	0.096	3.2	0.53	0.052
0.95	7.7	1.20	0.175	7.1	1.00	0.163	6.6	0.85	0.144	4.9	0.70	0.109	2.8	0.54	0.057
1.00	8.8	1.33	0.224	7.4	1.06	0.187	6.3	0.92	0.159	4.7	0.69	0.117	2.7	0.53	0.061
1.10	9.7	1.74	0.298	6.5	1.17	0.199	5.2	0.94	0.158	3.7	0.69	0.112	2.5	0.51	0.065
1.20	6.3	1.23	0.229	4.4	0.87	0.159	3.3	0.72	0.120	2.6	0.66	0.094	2.2	0.54	0.064
1.30	3.5	0.85	0.149	2.9	0.76	0.126	2.8	0.73	0.126	2.4	0.69	0.099	2.1	0.56	0.069
1.40	5.0	1.11	0.249	3.9	0.84	0.193	3.2	0.71	0.156	2.3	0.67	0.111	1.9	0.57	0.073
1.50	5.5	1.32	0.312	3.9	0.96	0.221	2.9	0.73	0.185	2.0	0.66	0.113	1.9	0.57	0.079
1.60	4.2	1.15	0.271	3.2	0.93	0.204	2.5	0.79	0.169	1.9	0.64	0.119	1.9	0.56	0.086
1.70	3.2	0.90	0.236	2.7	0.77	0.194	2.3	0.72	0.163	1.8	0.64	0.123	1.8	0.55	0.092
1.80	2.5	0.88	0.207	2.0	0.75	0.168	1.7	0.67	0.139	1.7	0.61	0.117	1.7	0.53	0.098
1.90	2.0	0.86	0.185	1.7	0.76	0.155	1.6	0.68	0.141	1.5	0.56	0.123	1.7	0.52	0.103
2.00	1.8	0.84	0.186	1.7	0.75	0.169	1.6	0.68	0.155	1.4	0.57	0.130	1.6	0.53	0.108
2.20	1.8	0.74	0.219	1.5	0.70	0.181	1.4	0.67	0.166	1.3	0.61	0.141	1.5	0.53	0.117
2.40	1.6	0.77	0.259	1.4	0.74	0.209	1.2	0.70	0.174	1.1	0.65	0.149	1.4	0.54	0.124
2.60	1.4	0.77	0.238	1.1	0.74	0.188	1.1	0.71	0.173	1.1	0.66	0.161	1.3	0.55	0.134
2.80	1.3	0.75	0.267	1.1	0.73	0.211	1.0	0.70	0.183	1.0	0.66	0.172	1.2	0.56	0.144
3.00	1.2	0.72	0.277	1.1	0.70	0.241	0.9	0.68	0.210	0.9	0.65	0.181	1.1	0.57	0.153
3.20	1.1	0.69	0.296	1.0	0.68	0.252	0.9	0.67	0.220	0.8	0.64	0.188	1.0	0.59	0.161
3.40	1.0	0.73	0.303	0.8	0.69	0.240	0.8	0.68	0.212	0.8	0.66	0.195	1.0	0.60	0.168
3.60	1.0	0.78	0.318	0.8	0.71	0.255	0.7	0.69	0.217	0.7	0.67	0.201	0.9	0.61	0.174
3.80	1.0	0.78	0.352	0.8	0.72	0.307	0.7	0.70	0.271	0.7	0.68	0.219	0.9	0.62	0.180
4.00	1.0	0.74	0.418	0.9	0.72	0.368	0.8	0.71	0.329	0.7	0.69	0.272	0.8	0.63	0.186

PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RECORD = S-945 COMPONENT = U-D STATION = WAKAYAMA-S TOTAL NUMBER OF DATA = 1950
 DATE AND TIME = 1975-09-24-10-43 UNIT = 0.1 GAL
 SAMPLING INTERVAL = 0.010 (SEC) CORRECTION = ARC.ERR.
 SIGNAL = GR.ACC.

CONTINUED(S-945 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
510	-12	-12	-3	-3	-2	-1	-1	0	0	4
520	0	-4	12	11	-9	-10	-10	3	-6	-5
530	0	3	9	9	0	4	4	0	3	3
540	0	3	9	9	0	0	0	0	6	9
550	0	3	9	9	0	0	0	0	6	10
560	-11	-10	-10	0	7	-7	-7	-3	-7	-8
570	-8	8	8	5	5	5	2	9	-21	-20
580	-20	-21	-21	-14	-20	-21	-21	-21	-21	-18
590	-18	-16	-14	-13	-8	-6	-2	-1	0	0
600	2	-1	1	1	1	0	-3	5	-11	-11
610	-8	-3	0	0	1	2	2	0	6	0
620	5	-2	0	-2	2	0	0	2	6	0
630	0	-2	-2	-2	-1	0	4	5	2	4
640	3	5	6	6	5	6	4	5	3	-2
650	-2	-5	-8	-11	-11	-11	-11	-12	-6	-7
660	5	0	0	0	0	1	-3	-5	-6	0
670	-6	-5	-2	-2	-2	-2	-1	-1	-1	0
680	0	-3	-3	-13	-11	-11	-11	-11	-9	-12
690	-12	-13	-14	-13	-14	-14	-13	-11	-9	-6
700	-3	-3	-2	-2	-6	-5	0	4	4	4
710	3	8	8	8	5	5	5	0	4	4
720	2	0	-2	-7	-7	-7	-7	0	0	1
730	1	1	1	1	1	1	1	0	0	1
740	1	4	4	4	1	-1	-2	-3	-4	-5
750	-7	-7	-7	-3	-10	-10	-10	-6	-3	-3
760	-3	-3	-3	-3	-4	-5	-5	-5	-7	-15
770	-15	-14	-14	-14	-11	-7	-7	-9	-17	-15
780	5	5	5	5	2	0	0	1	1	4
790	3	5	5	5	6	6	6	2	0	4
800	2	0	3	0	0	0	0	0	-2	-2
810	2	3	3	0	0	0	0	0	0	0
820	-1	0	0	2	2	2	2	2	0	0
830	-4	0	2	0	0	0	0	0	0	0
840	-3	-6	-6	-9	-6	-6	-6	-6	-4	-3
850	-9	12	12	12	10	8	8	5	8	10
860	10	9	6	7	7	7	7	0	0	-3
870	10	9	6	7	7	7	7	0	0	-5
880	-4	-5	-5	-4	-4	-4	-4	-5	-3	-5
890	-5	-5	-5	-5	-4	-4	-4	-4	-4	-2
900	-3	-3	-3	-3	-1	-1	-1	-1	-1	-1
910	-3	-3	-3	-3	-1	-1	-1	-1	-1	-1
920	11	11	11	11	10	10	10	10	10	11
930	11	11	11	11	11	10	10	10	10	11
940	11	11	11	11	11	10	10	10	10	11
950	-3	-5	-5	-5	-5	-5	-5	-5	-5	-2
960	0	3	3	3	3	3	3	3	3	3
970	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
980	3	3	3	3	3	3	3	3	3	3
990	3	3	3	3	3	3	3	3	3	3
1000	4	5	5	5	5	5	5	5	5	5
1010	-1	0	0	0	0	0	0	0	0	-1
1020	-1	0	0	0	0	0	0	0	0	-1
1030	0	0	0	0	0	0	0	0	0	0
1040	0	0	0	0	0	0	0	0	0	-3

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-8	47	-118	-108	-3	92	-172	-172	-68	165
10	-33	-144	-120	232	159	-127	-119	5	61	16
20	-77	-65	-35	101	96	51	-36	-70	-100	-112
30	140	137	111	-5	45	94	-25	-150	-244	-244
40	-206	-174	-63	49	29	63	114	150	146	84
50	-65	-166	-116	-13	146	137	-39	-112	-145	-124
60	-65	0	51	111	153	162	103	43	-54	-50
70	-13	34	17	-26	-117	-178	-148	-29	301	74
80	37	21	35	51	52	37	12	-9	-6	7
90	14	-71	-96	-130	-133	-88	-11	125	126	99
100	20	-38	4	34	58	29	-14	-33	-32	-15
110	-9	-14	-29	-28	15	19	42	52	31	4
120	-16	32	82	81	72	2	-50	-59	-68	-28
130	-68	-67	-57	-41	2	38	60	68	50	28
140	-8	18	14	27	40	24	-8	-36	-36	-19
150	10	32	46	8	-44	-95	-6	-61	-25	-14
160	-23	-34	-38	-38	-31	2	28	47	40	25
170	14	-5	-6	-4	14	32	24	-3	-10	-12
180	-4	0	2	2	3	10	20	25	24	20
190	14	9	5	0	2	-23	-39	-11	7	48
200	69	78	62	31	1	-13	-20	-21	-19	-16
210	-6	-5	-22	-9	-1	10	13	3	-2	-6
220	2	13	30	43	37	13	19	-49	-19	-49
230	-68	-73	-57	-39	-14	4	7	8	10	6
240	0	-5	-6	-14	-10	-9	-3	1	4	5
250	5	4	3	14	21	24	5	-13	-32	-25
260	16	4	-4	-3	7	9	0	45	47	34
270	4	-4	-3	10	34	4	0	8	24	24
280	4	55	45	32	20	16	22	28	37	27
290	-4	-16	-26	-26	-23	-13	-5	0	-8	-11
300	-18	-17	-16	-5	-3	0	1	1	2	1
310	-2	-19	-28	-34	-37	-36	-20	-3	8	11
320	4	1	-1	-1	-2	7	9	14	14	5
330	-12	-8	-4	-2	1	-25	-23	-13	-14	-14
340	-6	-18	-33	-36	-6	4	4	9	11	14
350	-6	0	4	4	4	0	0	0	11	14
360	-14	-14	-14	-13	-3	0	0	0	12	5
370	30	42	41	37	33	30	23	13	12	17
380	4	-2	-6	-11	-9	-5	0	10	16	17
390	21	20	18	17	14	13	11	11	14	14
400	11	2	0	-4	-14	-19	-16	-10	-6	-6
410	4	-4	-7	-14	-15	-14	-12	-7	0	0
420	4	5	2	1	1	0	0	0	-7	-15
430	-28	-27	-21	-17	-11	-10	-5	-4	0	-5
440	-11	-11	-12	-15	-15	-17	-17	-17	-18	0
450	5	15	22	27	29	25	15	4	-12	-16
460	-19	-2	-4	-6	-6	0	0	0	-2	-2
470	-2	-2	-4	-7	-10	-12	-7	-5	-3	0
480	-2	-3	-6	-12	-15	-9	-5	4	4	4
490	-1	-3	-8	-17	-15	-8	-9	-9	-8	-3
500	2	8	17	13	8	0	-5	-9	-10	-10

TO BE CONTINUED

CONTINUED(S-945 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1050	-3	-3	-3	1	3	4	5	5	4	5
1060	4	-4	4	-1	-2	-1	0	0	-3	-1
1070	-4	-6	-7	-9	-9	-9	-4	-4	-3	-1
1080	0	2	0	-3	3	3	3	3	2	2
1090	2	0	0	0	0	0	0	0	0	0
1100	-3	-2	0	0	0	0	0	0	-4	-4
1120	-4	0	0	0	0	0	0	0	0	0
1130	0	2	2	0	2	2	0	3	3	3
1140	2	0	0	4	2	-2	0	0	-2	-2
1150	2	-4	-3	-4	-3	-2	-2	-2	-2	-2
1160	-1	1	0	0	0	0	0	0	0	0
1170	1	3	2	0	0	0	0	0	0	0
1180	4	2	0	0	0	0	0	0	0	0
1190	2	-2	-2	-4	-3	-3	-4	-4	-4	-4
1200	-3	-2	-3	-4	-3	-4	-4	-4	-4	-4
1210	-3	-2	-2	-4	-3	-4	-4	-4	-4	-4
1220	-3	-2	-2	0	4	4	4	4	4	4
1230	3	-1	-2	-1	0	0	0	0	0	0
1240	3	-1	-2	-2	0	0	0	0	0	0
1250	3	-1	-2	-2	0	0	0	0	0	0
1260	3	-2	-2	-2	0	0	0	0	0	0
1270	2	2	2	2	2	2	2	2	2	2
1280	-8	-9	-9	-9	-6	-6	-6	-6	-6	-6
1300	0	0	0	0	0	0	0	0	0	0
1320	0	0	0	0	0	0	0	0	0	0
1330	-3	-1	-3	-1	-5	-4	-4	-4	-4	-4
1340	-2	-2	-3	-2	-5	-4	-4	-4	-4	-4
1350	-2	-2	-3	-2	-5	-4	-4	-4	-4	-4
1360	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
1370	-6	-4	-4	-4	-4	-4	-4	-4	-4	-4
1380	-1	1	0	0	0	0	0	0	0	0
1400	2	1	0	0	0	0	0	0	0	0
1410	-1	-1	-3	-4	-4	-4	-4	-4	-4	-4
1420	-6	-5	-4	-4	-4	-4	-4	-4	-4	-4
1430	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1440	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1450	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1460	-4	-2	-2	-2	-2	-2	-2	-2	-2	-2
1470	-4	-2	-2	-2	-2	-2	-2	-2	-2	-2
1480	-1	0	0	0	0	0	0	0	0	0
1490	0	3	4	4	4	4	4	4	4	4
1500	-3	-3	-4	-4	-4	-4	-4	-4	-4	-4
1510	0	0	0	0	0	0	0	0	0	0
1520	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4
1530	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4
1540	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4
1550	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4
1560	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4
1570	-1	-3	-4	-4	-4	-4	-4	-4	-4	-4
1580	-4	-3	-3	-4	-4	-4	-4	-4	-4	-4

TO BE CONTINUED

CONTINUED(S-945 U-0)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1590	-2	-2	-2	-1	-1	0	0	0	0	0
1600	0	0	0	-1	-1	0	0	0	0	0
1610	2	-1	0	0	0	1	2	2	2	2
1620	0	0	0	0	0	0	0	0	0	0
1630	0	0	0	0	0	-3	-3	-3	-3	-3
1640	-4	-4	0	0	0	0	0	0	0	0
1650	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1660	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1670	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
1680	-3	-2	1	1	1	1	1	1	1	1
1690	1	1	1	1	1	1	1	1	1	1
1700	-2	-2	-3	-4	-4	-4	-4	-4	-4	-4
1710	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
1720	-5	-5	0	0	0	0	0	0	0	0
1730	0	0	0	0	0	0	0	0	0	0
1740	1	1	1	1	1	1	1	1	1	1
1750	1	1	1	1	1	1	1	1	1	1
1760	0	0	0	-2	-2	0	0	0	0	0
1770	-1	0	0	0	0	0	0	0	0	0
1780	-5	-5	-4	-4	-4	-4	-4	-4	-4	-4
1790	-3	-2	-3	-2	-2	-2	-2	-2	-2	-2
1800	0	16	11	10	13	18	17	13	12	10
1810	5	3	0	-2	-7	-9	-9	-15	-10	-9
1820	-10	-14	-14	-15	-17	-16	-14	-12	-12	-12
1830	-10	-10	-10	-7	-7	-14	-14	-12	-12	-12
1840	-17	-13	-24	-23	-26	-23	-21	-13	-14	-16
1850	-16	-16	-16	-17	-15	-15	-10	-8	-9	-9
1860	-11	-13	-13	-9	-2	-3	-1	-7	-9	-5
1870	-1	0	4	5	2	2	9	10	11	9
1880	9	11	9	9	6	8	9	15	17	20
1890	21	20	21	20	13	10	9	4	6	5
1900	14	16	17	10	9	9	10	5	1	1
1910	3	5	7	9	9	2	6	5	2	2
1920	-2	-5	-5	-2	-2	-3	-3	-9	-6	-6
1930	-5	-3	1	2	0	5	7	10	10	10
1940	10	7	7	2	-6	-2	7	10	19	19

END

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