

# 港湾技研資料

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STRONG MOTION EARTHQUAKE RECORDS ON  
THE 7 AUGUST 1984 HYUGANADA EARTHQUAKE IN PORT AREAS

昭和59年8月7日 日向灘地震の港湾地域における強震記録

倉 田 栄 一  
福 原 哲 夫  
野 田 節 男

運輸省港湾技術研究所



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\*Abbreviations used above:

- AR : Analog record (computer plots of digitized records)
- IR : Integrated velocities and displacements (computer plots of digitized records)
- RS : Response spectra
- NR : Numerical tables of response spectra
- FS : Fourier spectra
- LO : Loci of accelerations, velocities and displacements

# 昭和59年8月7日 日向灘地震の港湾地域における強震記録

倉田 栄一\*

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## 要 旨

昭和59年8月7日に日向灘に震源をもつマグニチュード7.1の地震が発生し、宮崎県北部および大分県南部のいくつかの港湾に被害が生じた。港湾施設の被害としては細島港、延岡新港、宮崎港、美々津港の4港で総額76,000千円であった。これらの被害の特徴は、けい留施設の上部工とエプロン間の目地開き、エプロンの沈下、クラックおよびエプロン相互の段差であった。また細島港では、目地からの噴砂が認められている。

この地震により被害の最も大きかった細島港において、東西成分268ガル、南北成分190ガル、上下成分102ガルの地盤加速度が記録された。この値は既応の被害地震において得られた加速度記録と比較すると最大級に属するものの、港湾施設の被害は比較的軽微であったこと、および噴砂の状況からみて、ごく一部の地域の地盤にのみ液状化が発生したこと、等を考慮すると、得られた強震記録は工学的に有用な情報を含んでいると考えられる。

この資料で報告する強震記録は、昭和59年8月7日日向灘地震の際に港湾地域に配置された強震計で得られたものであり、対象となる記録は11である。これらの強震記録の各成分の最大加速度を強震観測表に示し、最大加速度が20ガルを超えた4記録については、さらにつぎに示す内容のものを示した。

1. 加速度波形
2. 積分により求めた速度および変位波形
3. 応答スペクトル
4. フーリエスペクトル
5. 加速度、速度、変位の軌跡

また、最大加速度が50ガル以上の2記録については、加速度数値表を巻末に示した。これは計器特性の補正をおこなっていない数値である。以上の図表は「港湾地域強震観測年報（1983）」、「昭和58年（1983年）日本海中部地震の港湾地域における強震記録」に準じたものである。

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\* 構造部 耐震構造研究室

\*\* 構造部 耐震構造研究室長

# STRONG-MOTION EARTHQUAKE RECORDS ON THE 7 AUGUST 1984 HYUGANADA EARTHQUAKE IN PORT AREAS

Eiichi KURATA\*  
Tetsuo FUKUHARA\*  
Setsuo NODA\*\*

## Synopsis

This report presents the strong-motion earthquake records of the 7 August 1984 Hyuganada earthquake in port areas in Japan. Event data of the earthquake are listed with the maximum component accelerations of all the records obtained in the network of the Port and Harbour Research Institute. 4 records of them are presented as acceleration time histories, integrated velocities and displacements, response spectra, Fourier spectra, and loci of accelerations, velocities and displacements. Listings of the digitized records are presented for 2 records. This report has almost the same format and almost the same procedures for data processing as the preceding annual reports.

## 1. Introduction

On August 7, 1984 an earthquake of magnitude 7.1 hit the northern part of Miyazaki prefecture and the southern part of Oita prefecture in Kyushu island. The epicenter was located at about 50 km east of Hyuga city. This earthquake brought about 0.32 million dollars of damage on port facilities. Most of damages were the opening of joints between aprons and copings of quaywalls, the settlement and the crack of aprons. Sand boils occurred at joints of aprons in Hososhima port.

The earthquake triggered many strong-motion accelerographs of the network of the Port and Harbour Research Institute (PHRI). The largest peak ground acceleration as 268 Gals was recorded at Hososhima port which locates 47 km from the epicenter. Although the peak acceleration are one of the largest values by the past major earthquakes, damages on the port facilities were not so severe and liquefaction of backfills happened in limited places.

The strong-motion earthquake records from the PHRI network were used to be published as annual reports (1 through 18 in references) except five special reports on the great earthquakes (19 through 23 in references). This report is the sixth special compilation of the records which may serve a convenience to the users with special interest in this earthquake.

This report presents followings on the strong-motion earthquake records, from the PHRI network, on the 7 August 1984 Hyuganada earthquake;

- i) Strong-motion Earthquake Observation Results (They are lists of event data and all the strong-motion earthquake records recovered in the PHRI network)
- ii) Analog reproductions of original records
- iii) Instrument corrected accelerations, integrated velocities and integrated displacements
- iv) Response spectra of instrument corrected accelerations (Figures and numerical tables)
- v) Fourier spectra of instrument corrected accelerations
- vi) Loci of accelerations, velocities and displacements in horizontal plains.
- vii) Listings of original digitized records without instrument correction

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\*Members of Earthquake Resistant Structures Laboratory, Structures Division

\*\*Chief of Earthquake Resistant Structures Laboratory, Structures Division

The format of the publication and the procedures for data processing are almost identical with those of the preceding annual report (18) except a few points to be described in the following sections of this report.

The strong-motion earthquake observation in port areas in Japan has been being performed by the PHRI in co-operation with the following organizations:

- Bureau for Ports and Harbours, Ministry of Transport;
- Regional Bureaus for Port Construction, Ministry of Transport;
- Port and Harbour Division, Hokkaido Development Bureau, Hokkaido Development Agency;
- Okinawa General Office, Okinawa Development Agency; and
- Harbour Bureau (Sections) of Prefectural Governments (Tokyo, Osaka, Shizuoka and Miyazaki).

## 2. Earthquakes

The event data of the earthquake are presented in "Strong-Motion Earthquake Observation Results" together with the maximum component accelerations of the records. The location of epicenter of the main shock and seismic intensities in the JMA intensity scale at various places are presented in Fig. 1. The Roman numerals in the figure indicate the seismic intensities. The JMA seismic intensity scale is given in Table 1. The event data are based upon the publication of JMA (32).

Table 1 JMA Seismic Intensity Scale (After Ref. 31)

0	NO FEELING	Shocks too weak to cause human feelings and registered only by a seismograph.
I	SLIGHT	Extremely feeble shocks only felt by persons at rest or by those who are observant to an earthquake.
II	WEAK	Shocks felt by most persons, slight shaking of doors and Japanese latticed sliding doors (shoji).
III	RATHER STRONG	Slight shaking of houses and buildings, rattling of doors and Japanese latticed sliding doors (shoji), swinging of hanging objects like electric lamps, moving of liquids in vessels.
IV	STRONG	Strong shaking of houses and buildings, overturning of unstable objects, spilling of liquids out of vessels.
V	VERY STRONG	Cracks in the walls, overturning of gravestones, stone lanterns etc., damage to chimneys and mud-and-plaster warehouse.
VI	DISASTROUS	Demolition of houses by less than 30% in total number, landslips, fissures in the ground etc.
VII	VERY DISASTROUS	Demolition of houses by more than 30%, intense landslips, large fissures in the ground faults.

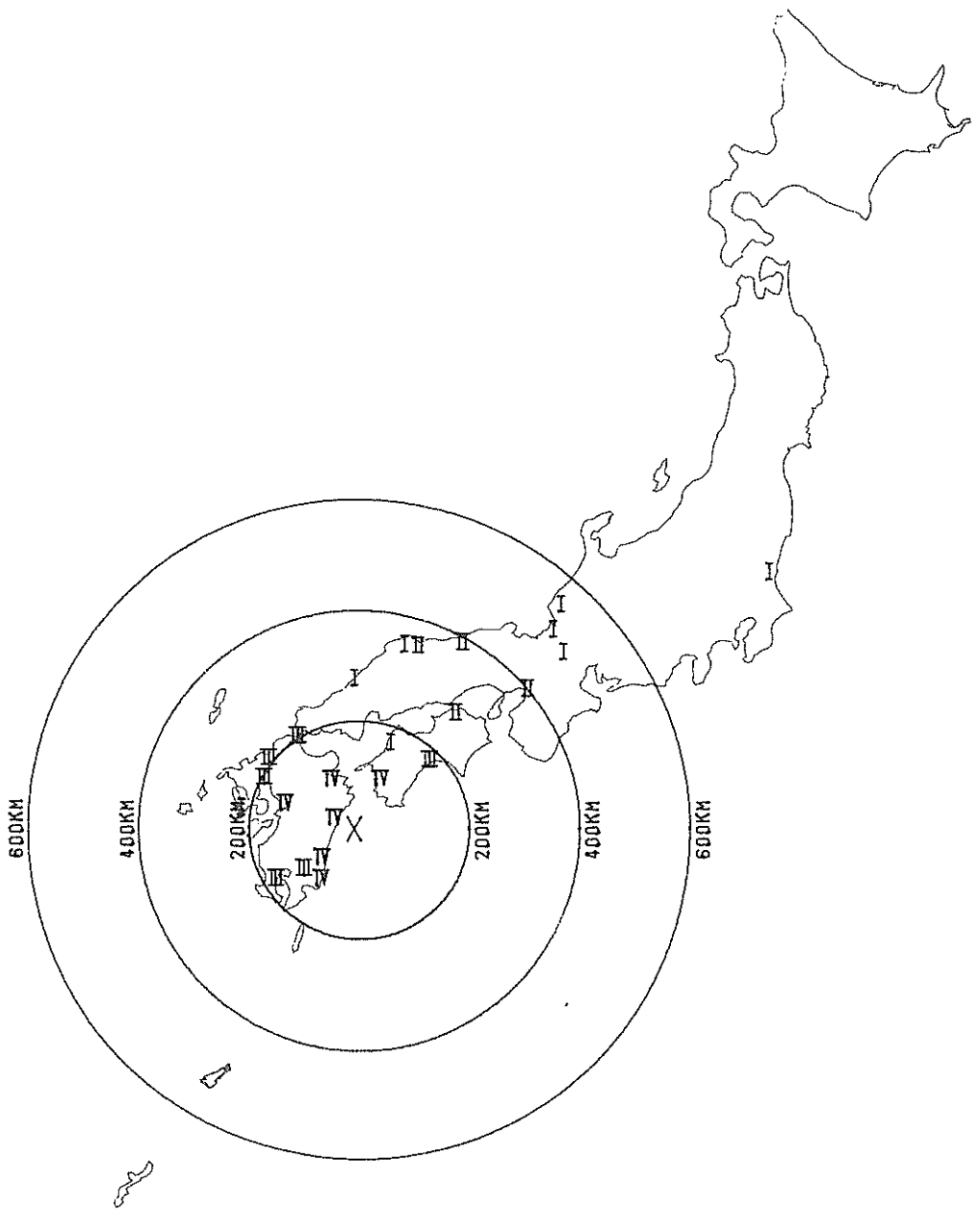


Fig. 1 Epicenter and Seismic Intensities of Main Shock of August, 7, 1984 (04:06)

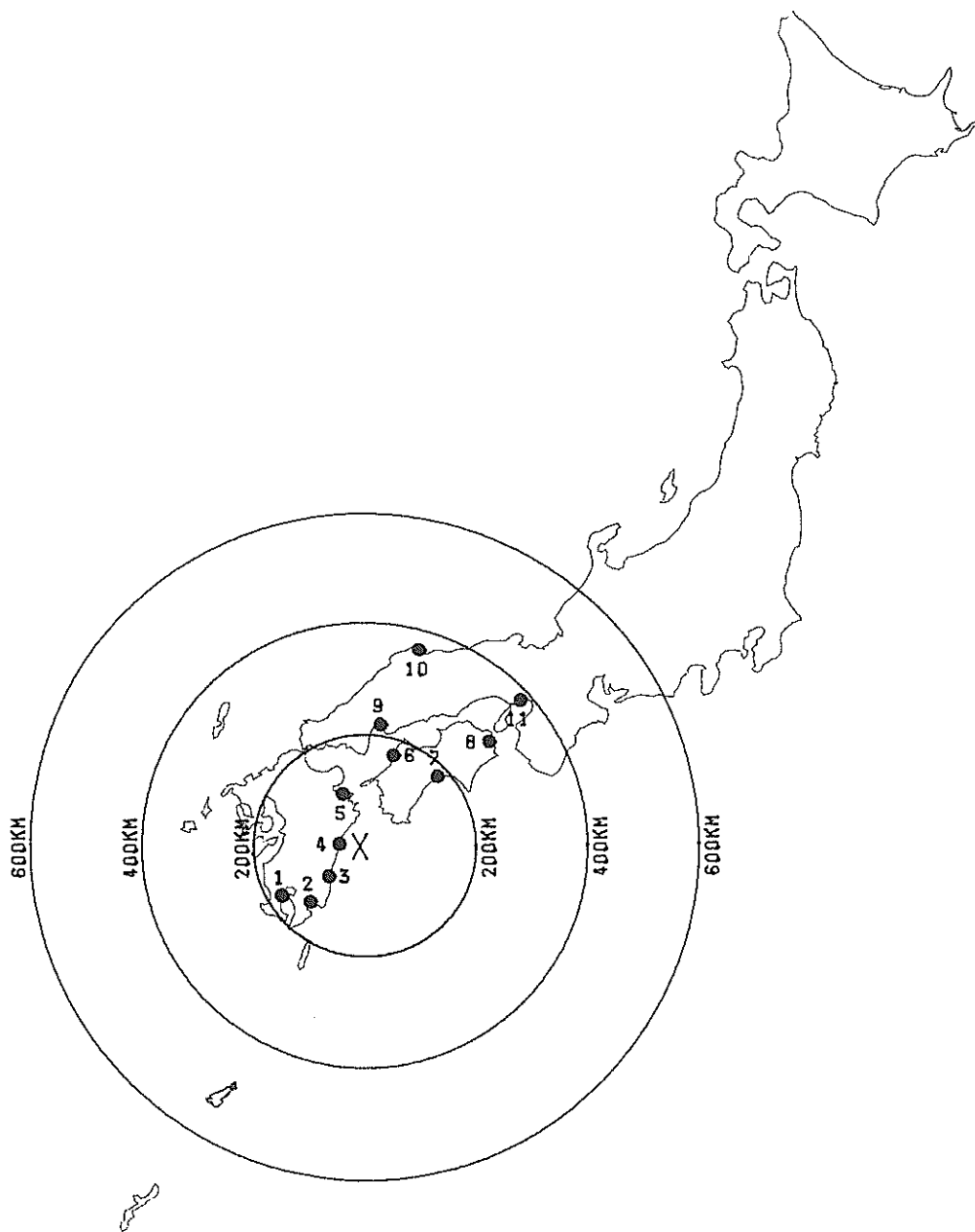


Fig. 2 Location of Station of PHRI Network

### 3. Stations

The strong-motion earthquake observation stations of the PHRI network are shown in Table 2. The stations in the table are limited to those recording this earthquake. The ports where the stations are located are also indicated in Fig. 2 with Arabic numerals, which are corresponding with the port numbers in Table 2. Installation condition and accelerograph type of each station are also given in Table 2.

The accelerographs of the PHRI network are the SMAC-B2 accelerograph and the ERS accelerograph. Detailed description on instrument characteristics is available in the previous annual reports (For example, Reference 18).

Site data of the stations have been published separately (24 through 28). Table 2 includes the number of Technical Note of PHRI in which the site data of each station are presented.

### 4. Digitization and Analyses

The digitized records without instrument correction are provided on the accelerograms of ground motions with a peak acceleration exceeding 50 Gals in the same manner as in the annual report series.

The procedure to digitize the accelerograms, to correct and integrate the records, and to calculate the response spectra are mostly identical with those described in the preceding annual report (18). The correction for start up of recording paper drive of the SMAC-B2 accelerograph is same as was described in the preceding special report (18).

The descriptions in details on the digitization and the corrections are available in separate reports (29) and (30) as well as in the preceding annual reports.

The loci of acceleration and displacement in horizontal plane are also included in this report. The records used for calculation are instrument corrected accelerations, velocities and displacements processed by the variable filter.

Table 2 Strong-motion Earthquake Station of PHRI, Recording the Main Shock

No. of port*	Name of port	Name of station	Type of accelerograph	Installation condition	Ref. No.**
1	Kagoshima Port	Kagoshima-S	SMAC-B2	on ground	34, 298
2	Shibushi Port	Shibushi-S	SMAC-B2	on ground	
3	Miyazaki Port	Miyazaki-M	ERS-C	on ground	298
4	Hososhima Port	Hososhima-S	SMAC-B2	on ground	34, 298
5	Oita Port	Oita-S	SMAC-B2	on ground	156
6	Matsuyama Port	Matsuyama-S	SMAC-B2	on ground	156
7	Kochi Port	Kochi-ji-S	SMAC-B2	on ground	298
8	Komatsujima Port	Komatsujima-S	SMAC-B2	on ground	107
9	Hiroshima Port	Hiroshima-ji-S	SMAC-B2	on ground	
10	Sakaiminato Port	Sakaiminato-ji-S	SMAC-B2	on ground	298
11	Kobe Port	Kobe-Maya-dai 2-M	ERS-B	on structure	34

\*The numbers correspond to those in Fig. 2.

\*\*The numbers correspond to those of the Technical Note of the Port and Harbour Research Institute in which the site condition of the station is given.

(Received on Sept. 29, 1984)



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**Observation Results**

**and**

**Preliminary Analyses**

# STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

04:06 AUG. 7, 1984

SE OFF KYUSHU

EPICENTER : 32° 23' N 132° 9' E

DEPTH : 33KM      MAGNITUDE : 7.1

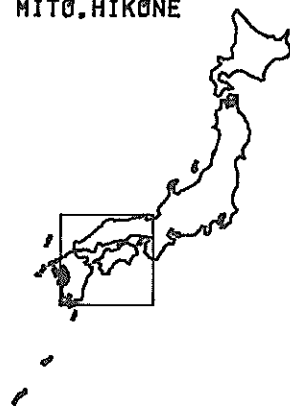
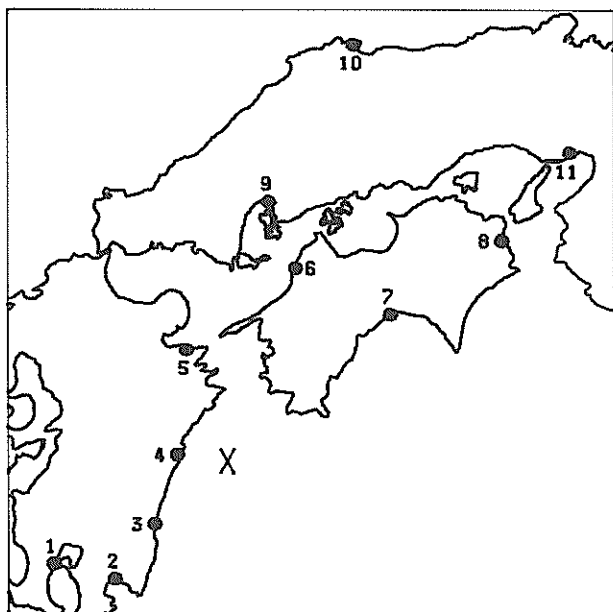
## JMA INTENSITIES

IV : KUMAMOTO, MIYAZAKI, OITA,  
NOBESKA, UWAJIMA,  
ABURATSU

III : SHIMONOSEKI, KOCHI,  
FUKUOKA, KAGOSHIMA, SAGA,  
MIYAKONOJO

II : TOTTORI, OSAKA, TAKAMATSU,  
SAKAI, YONAGO

I : MATSUE, NAGASAKI, TSURUGA,  
FUKUI, MATSUYAMA, HAMADA,  
MITO, HIKONE



STATION	CONDITION	RECORD NUMBER	MAX. ACC. (GAL)			DIST. (KM)
			[NS]	[EW]	[UD]	
1 KAGOSHIMA-S	ON GROUND	S-1735	18	19	8	174
2 SHIBUSHI-S	ON GROUND	S-1728	15	19	10	141
3 MIYAZAKI-M	ON GROUND	M- 795	53	70	28	85
4 HOSOSHIMA-S	ON GROUND	S-1729	190	268	102	47
5 OITA-S	ON GROUND	S-1734	95	86	26	103
6 MATSUYAMA-S	ON GROUND	S-1731	31	28	7	172
7 KOCHI-JI-S	ON GROUND	S-1730	23	17	10	182
8 KOMATSUJIMA-S	ON GROUND	S-1736	10	8	1	293
9 HIROSHIMA-JI-S	ON GROUND	S-1733	11	19	6	221
10 SAKAIMINATO-JI-S	ON GROUND	S-1732	13	15	5	366
11 KOBE-MAYA-DAI2-M	ON STRUC.	M- 796	10	5		384

RECORD NUMBER S-1729  
 STATION HOSOSHIMA-S

EARTHQUAKE DATA

\*\*\*\*\*

DATA AND TIME 04:06 AUGUST 7, 1984  
 LOCATION OF HYPOCENTER  
 EPICENTRAL REGION SE OFF KYUSHU  
 LATITUDE 32° 23' N  
 LONGITUDE 132° 09' E  
 DEPTH 33 KM  
 MAGNITUDE 7.1

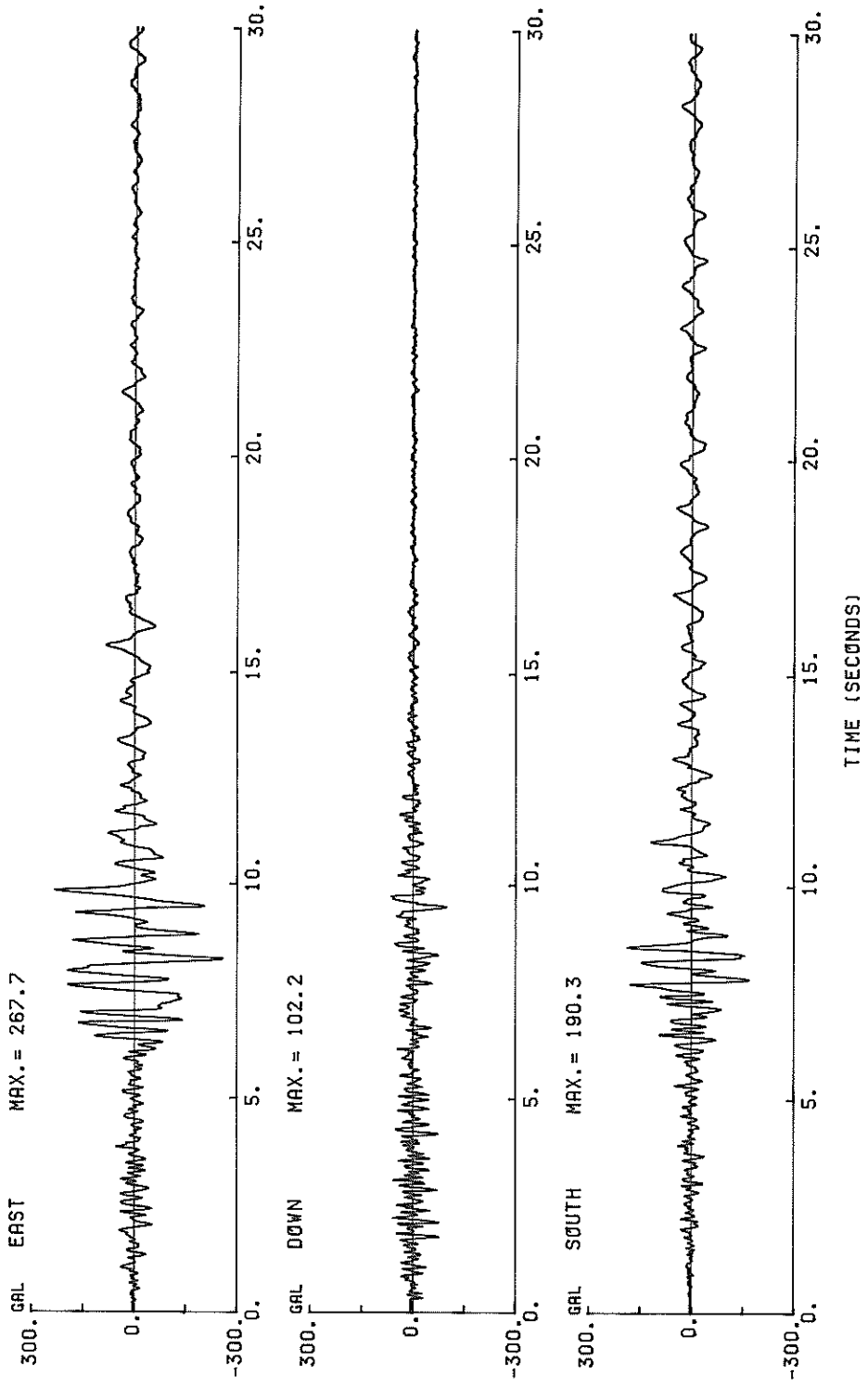
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PEAK VALUES OF COMPONENTS

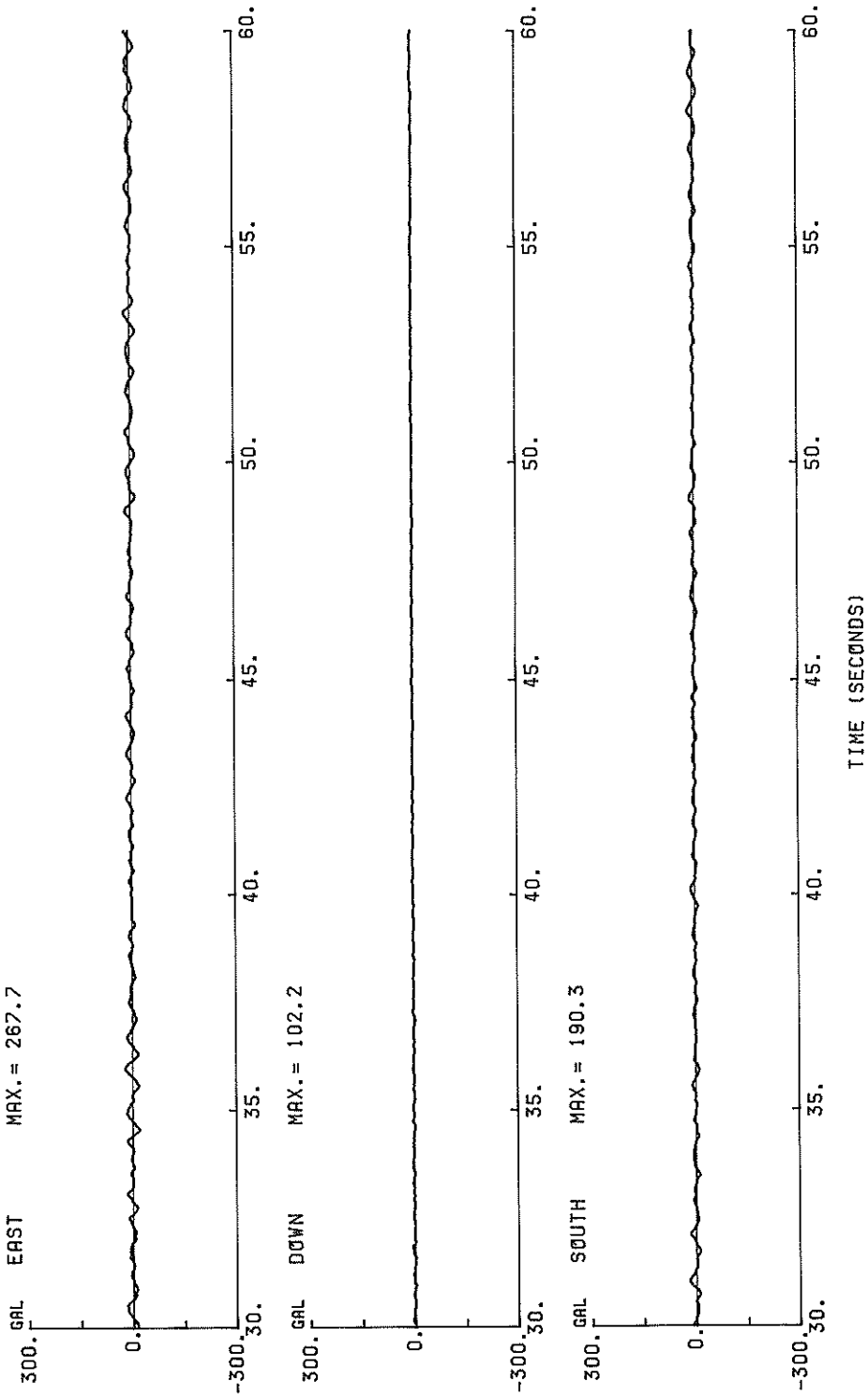
	N S	E W	U D	HORIZONTAL*
PARAMETER OF THE VARIABLE FILTER				
FC (HZ)	0.304	0.243	0.206	
MAXIMUM ACCELERATION (GAL)				
ORIGINAL	190.3	267.7	102.2	290.4
CORRECTED	248.8	358.2	214.6	358.2
MAXIMUM VELOCITY (CM/SEC)				
FIXED FILTER	19.74	29.05	10.89	29.87
VARIABLE FILTER	18.29	27.75	8.20	28.86
MAXIMUM DISPLACEMENT (CM)				
FIXED FILTER	2.470	4.848	2.377	5.182
VARIABLE FILTER	1.706	3.796	1.979	3.866

\* RESULTANT OF HORIZONTAL COMPONENTS

S-1729 HOSOSHIMA-S

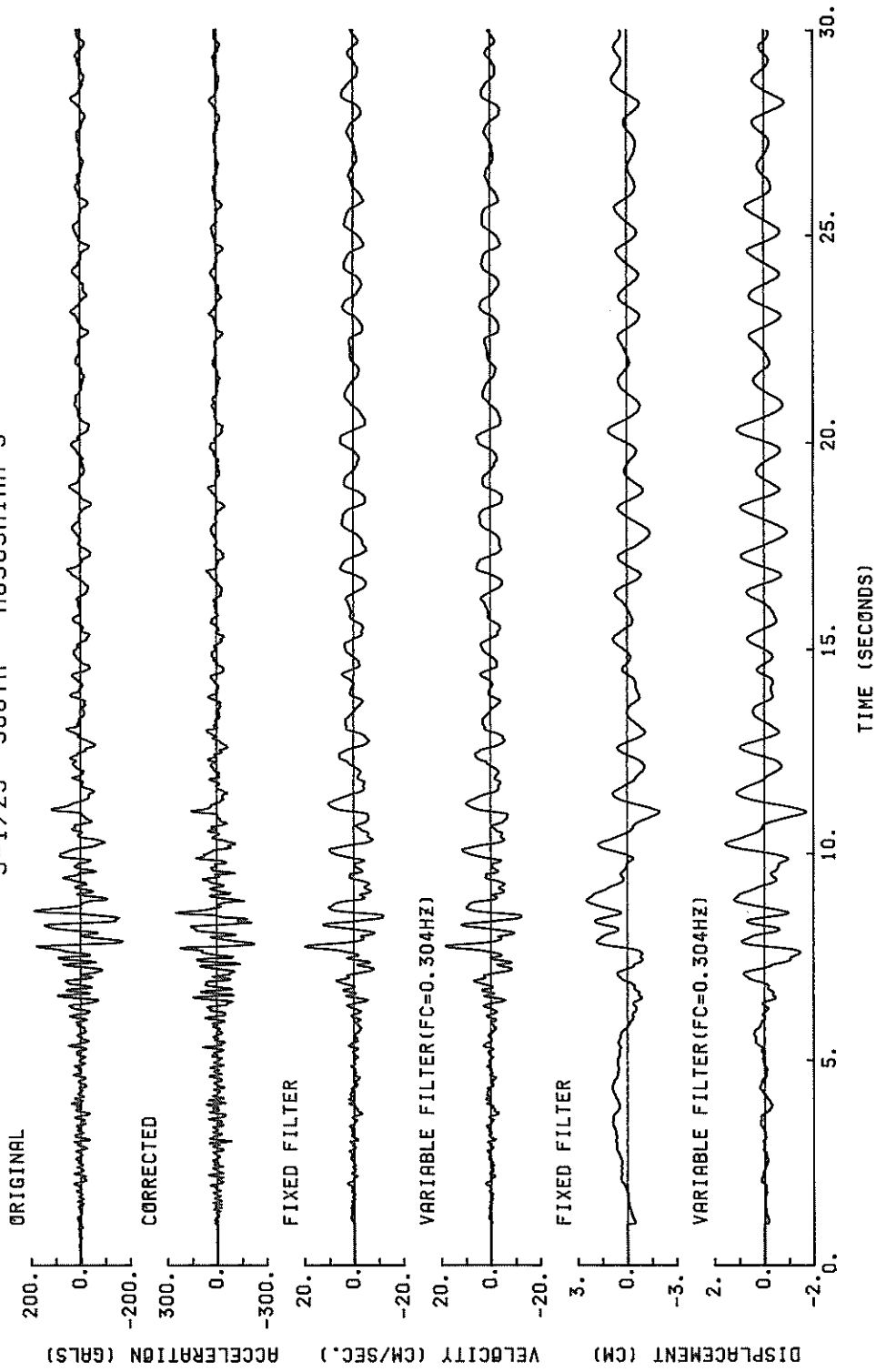


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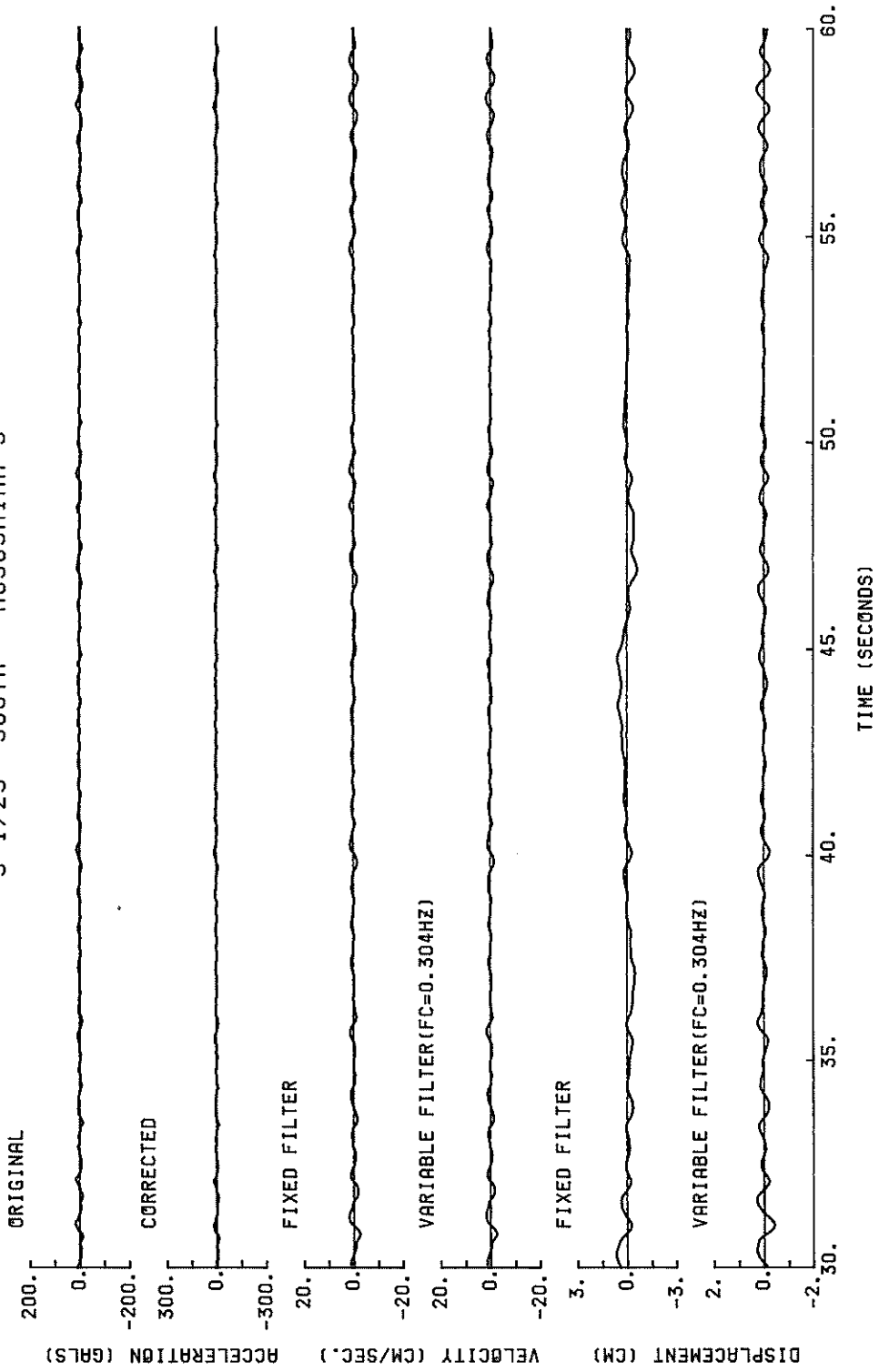




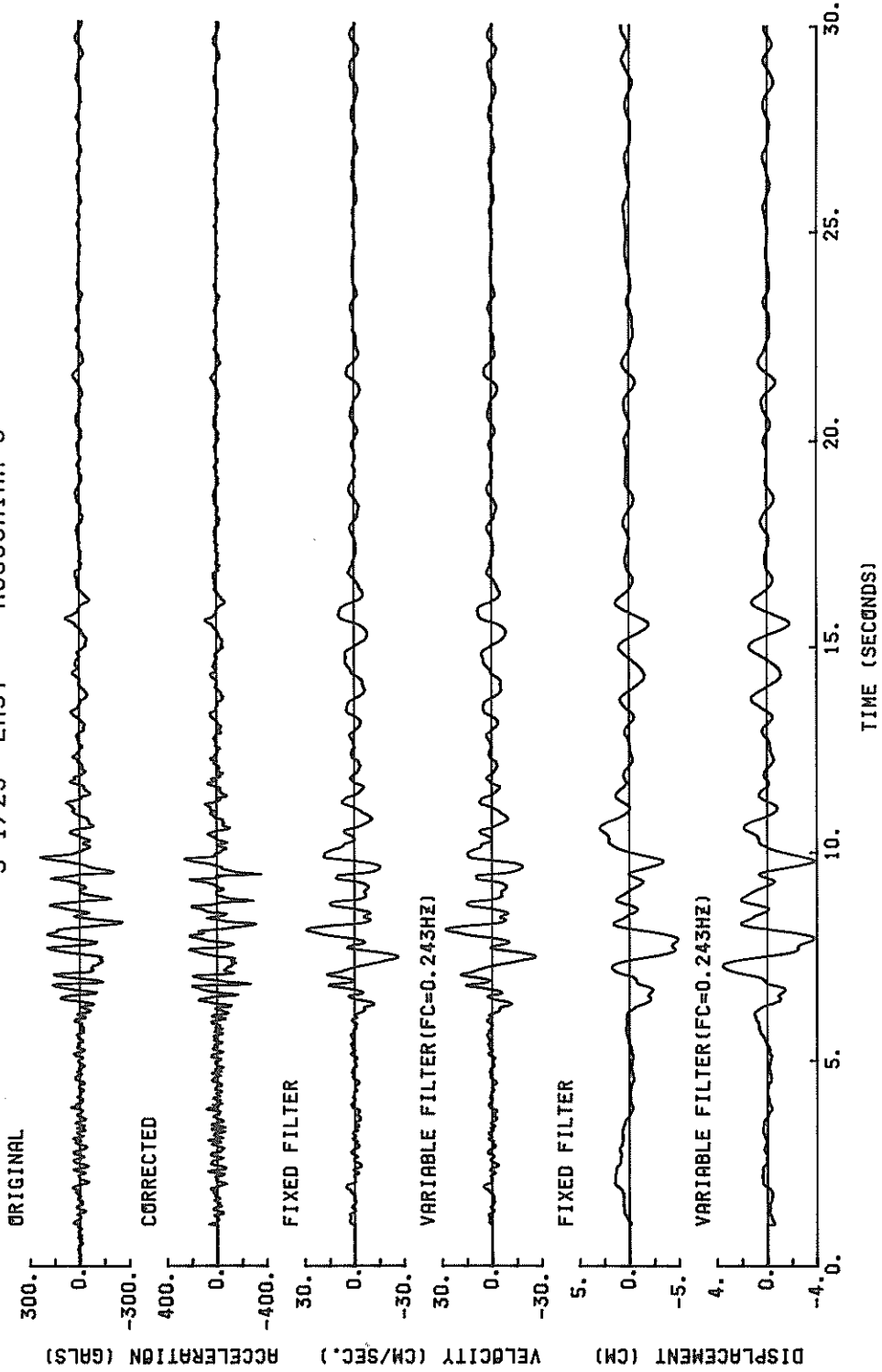
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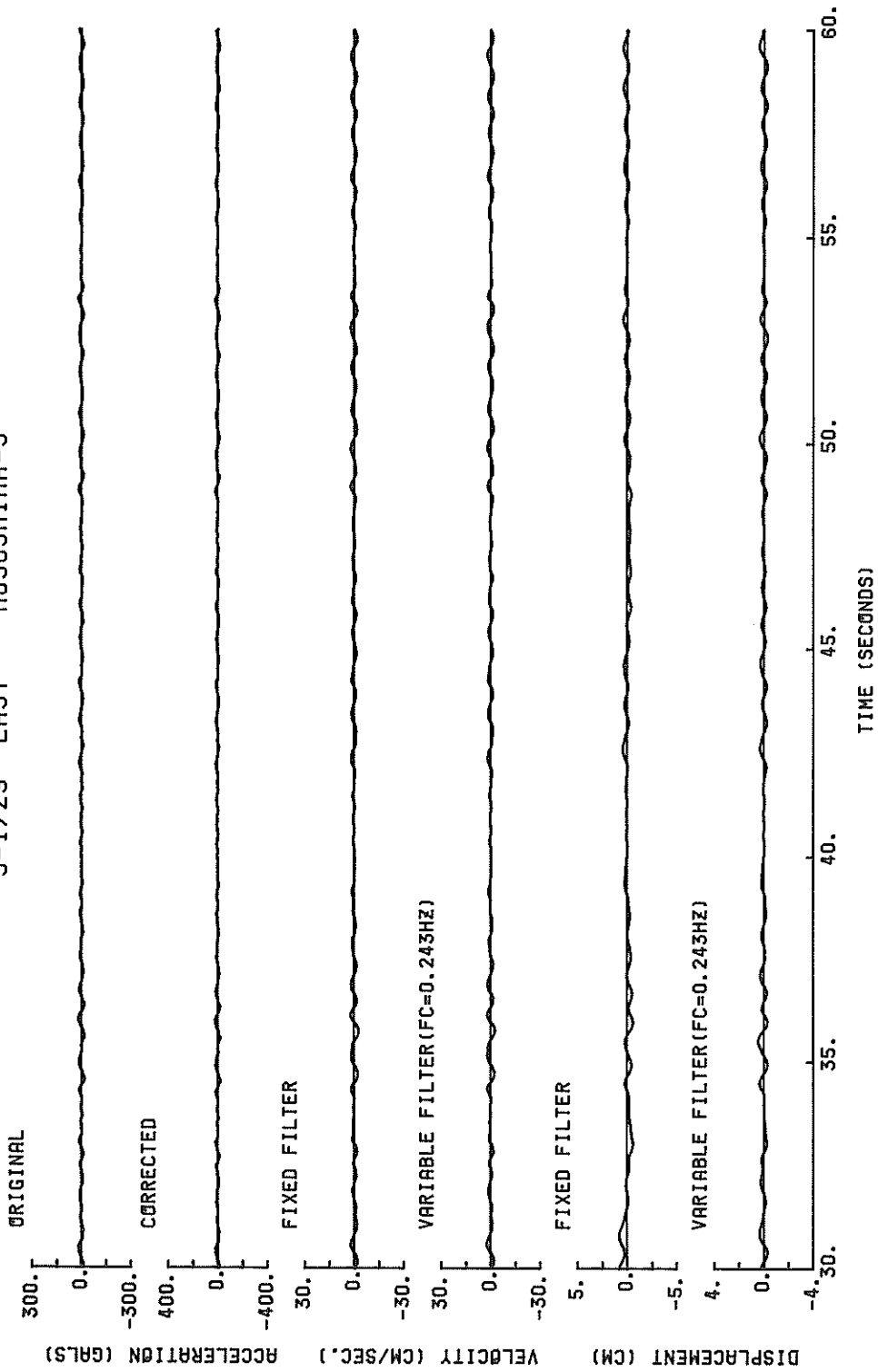
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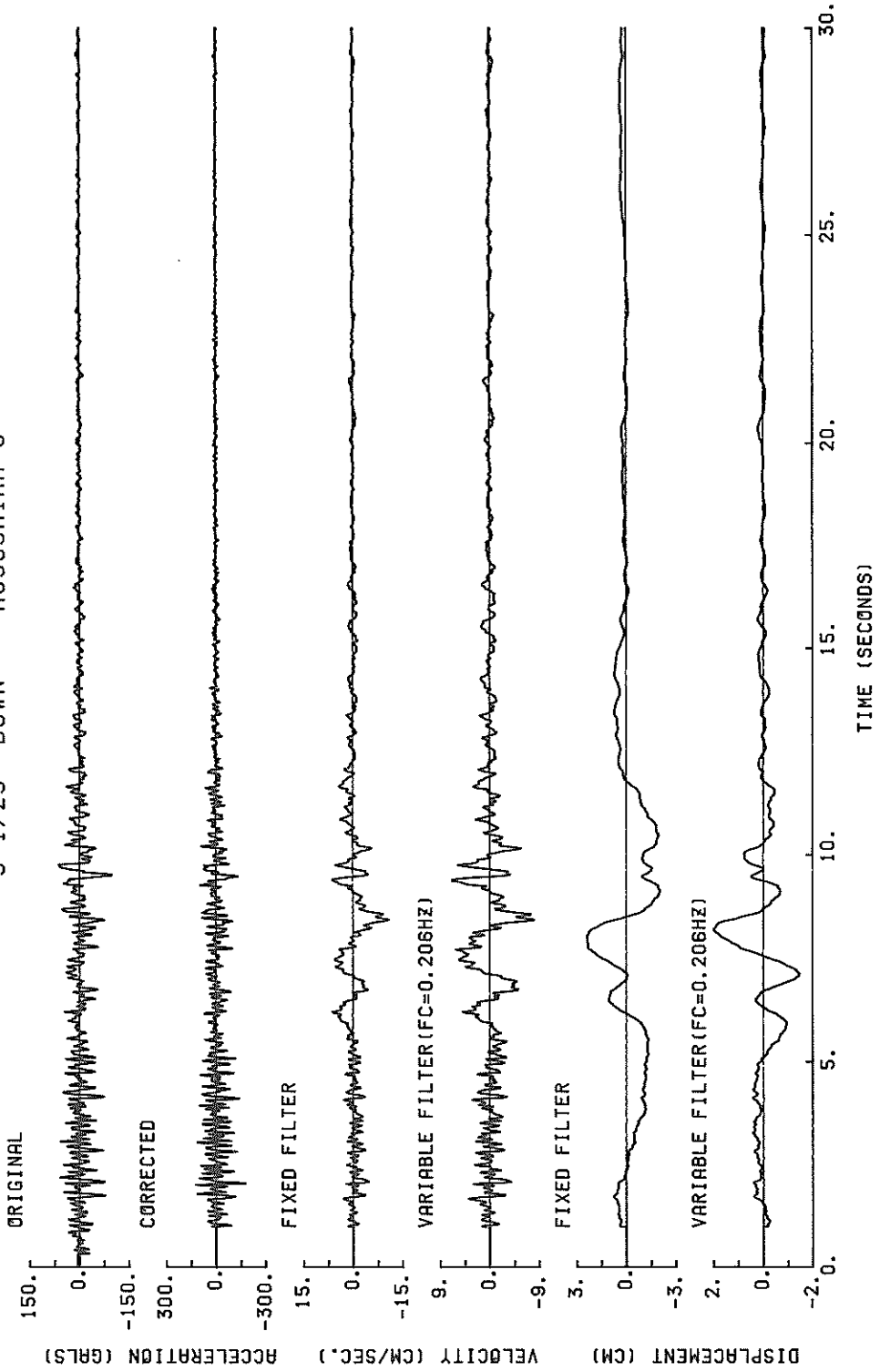
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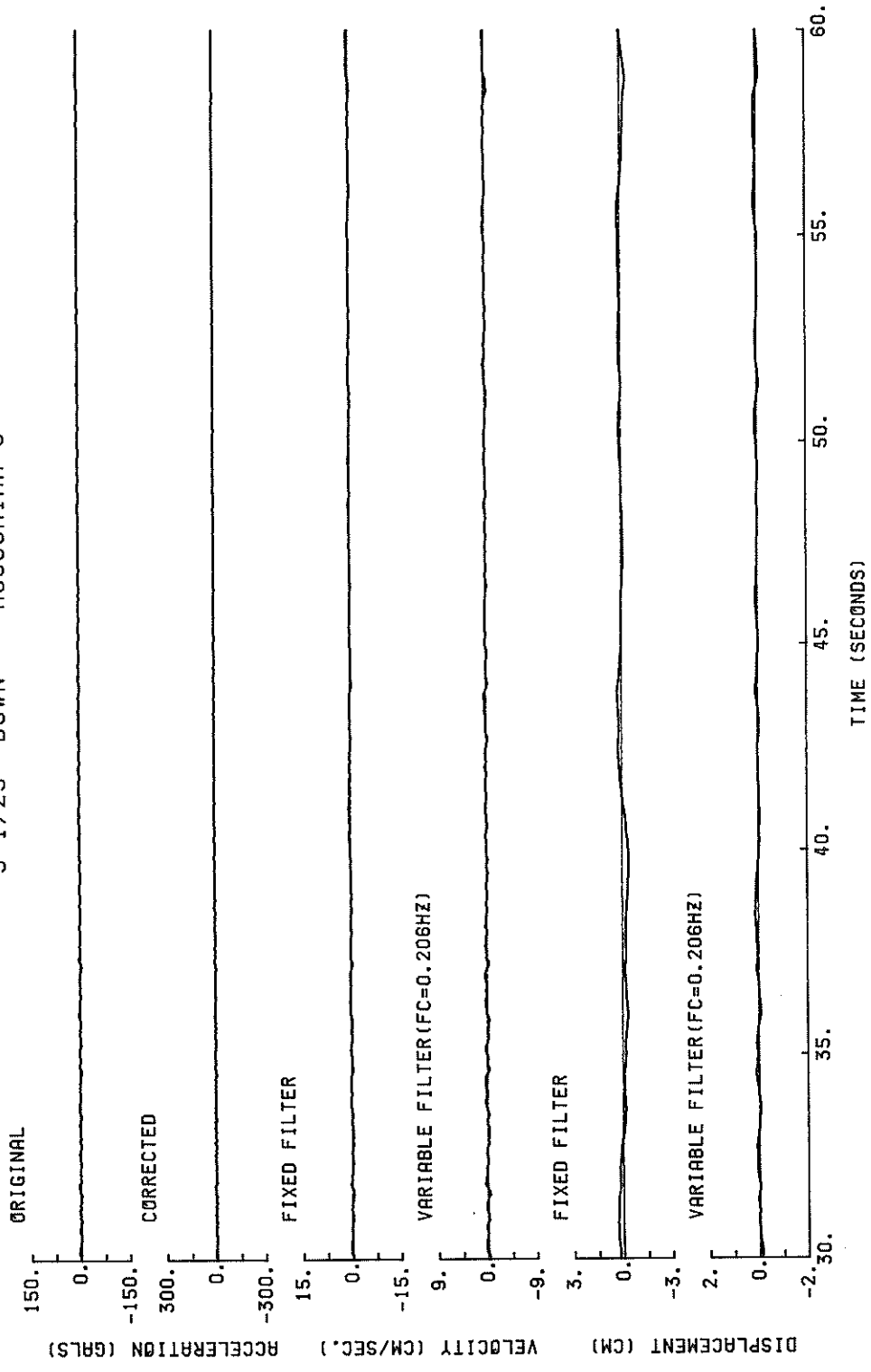
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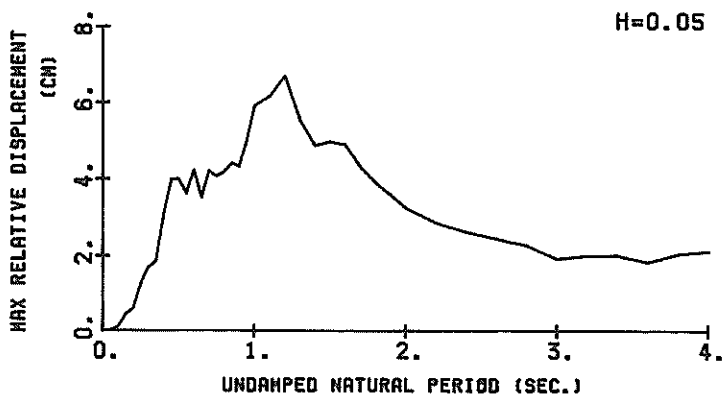
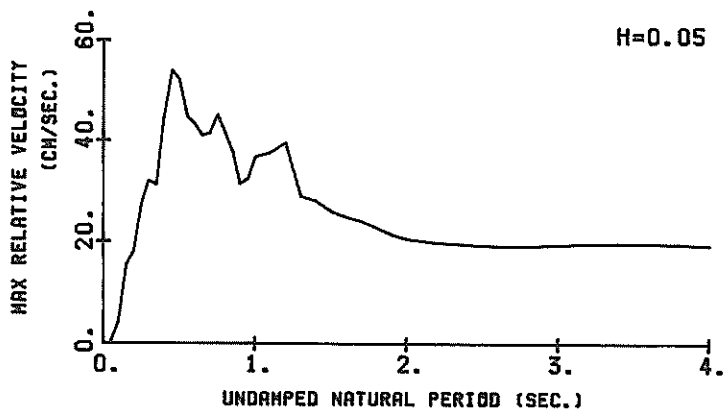
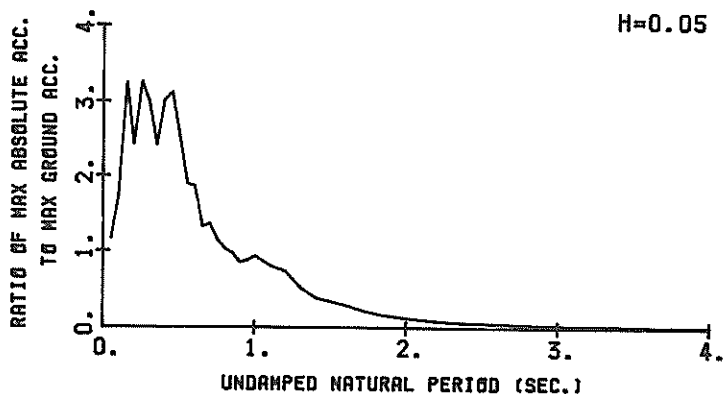
S-1729 DOWN HOSOSHIMA-S



S-1729 DOWN HOSOSHIMA-S

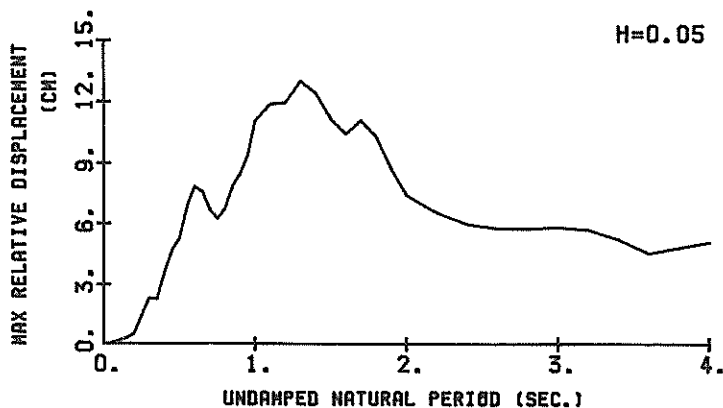
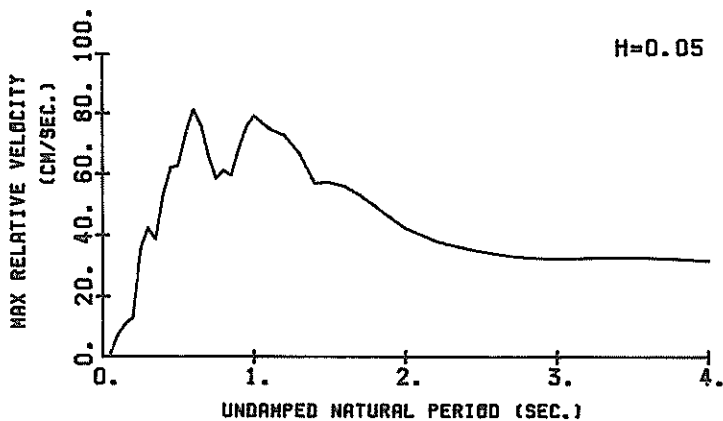
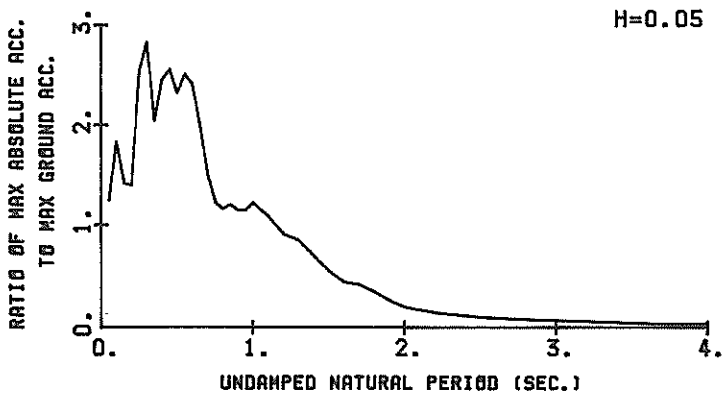


S-1729 SOUTH HOSOSHIMA-S  
(1/FC=3.29 SEC.)



RESPONSE SPECTRA

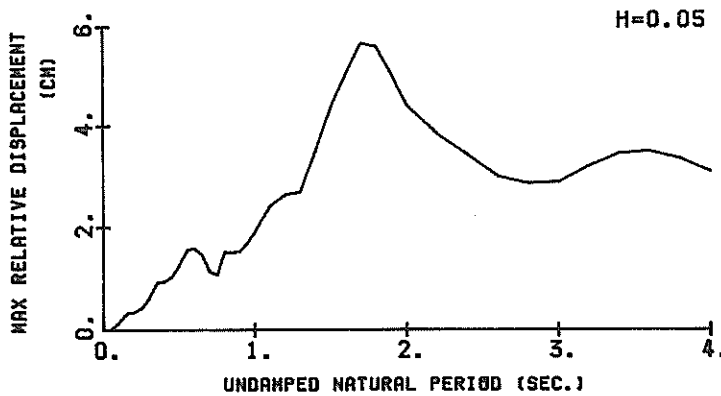
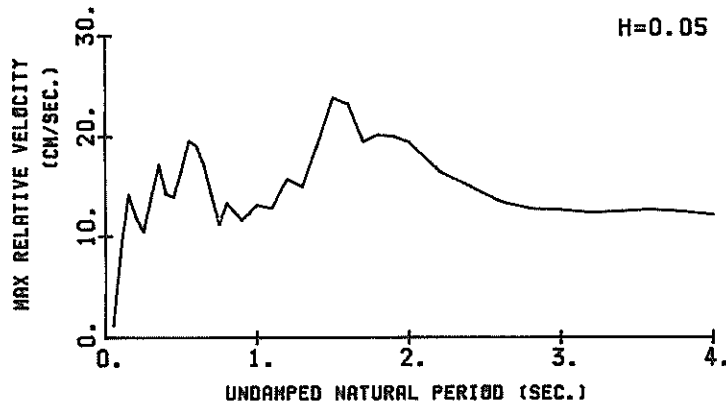
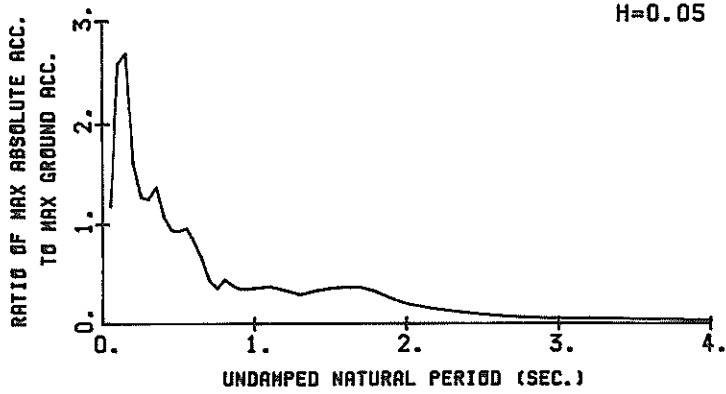
S-1729 EAST HOSOSHIMA-S  
(1/FC=4.11 SEC.)



RESPONSE SPECTRA



S-1729 DOWN HOSOSHIMA-S  
(1/FC=4.86 SEC.)



### RESPONSE SPECTRA

RESPONSE SPECTRUM

RECORD = S-1729      COMPONENT = SOUTH      SIGNAL = GR. ACC.      CORRECTION =      STATION = HOSOSHIMA-S  
 DATE AND TIME = 1984-08-07 04:06      SAMPRING INTERVAL = 0.0100(SEC)      MAX.GROUND ACC. = 248.84 (GAL)  
 YLINE LENGTH = 59.99 (SEC)      SKIPPED LENGTH = 0.00 (SEC)

DAMPING = 0.      DAMPING = 0.025      DAMPING = 0.050      DAMPING = 0.100      DAMPING = 0.200

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	377.2	1.86	0.024	288.1	0.64	0.013	290.2	0.62	0.018	292.9	0.59	0.019	286.9	0.55	0.018
0.10	1004.4	14.62	0.254	446.9	5.61	0.113	429.5	4.38	0.109	385.3	3.97	0.097	328.9	2.83	0.080
0.15	2036.5	45.45	1.161	1104.2	22.19	0.607	808.4	15.36	0.455	573.9	12.32	0.321	377.7	5.54	0.203
0.20	1192.9	33.97	1.209	794.0	22.75	0.808	602.9	17.87	0.611	398.2	10.01	0.399	377.8	7.29	0.357
0.25	964.4	35.21	1.577	940.4	31.68	1.492	832.7	27.09	1.274	592.8	19.03	0.922	600.5	11.60	0.581
0.30	1933.7	48.69	2.557	858.4	37.96	1.907	745.9	37.09	1.688	595.5	23.50	1.356	394.7	14.47	0.823
0.35	385.0	48.74	2.746	708.8	38.19	2.200	601.1	31.06	1.857	487.4	23.54	1.486	393.6	17.44	1.100
0.40	1249.3	80.83	5.063	889.3	54.98	3.598	750.1	44.56	3.022	587.2	32.75	2.331	378.2	21.96	1.367
0.45	1395.5	99.99	7.153	953.3	63.23	4.891	779.2	54.10	3.977	586.5	42.50	2.941	340.3	24.92	1.547
0.50	924.8	74.01	5.857	764.7	61.77	4.832	635.2	52.10	4.003	477.4	41.35	2.959	295.4	25.14	1.638
0.55	731.8	61.96	5.607	569.2	51.60	4.358	474.2	44.73	3.614	382.0	36.38	2.840	255.1	23.31	1.673
0.60	1323.8	123.92	12.071	691.5	63.78	6.236	486.4	43.51	4.253	308.5	36.12	2.725	250.1	23.65	1.770
0.65	527.0	55.30	5.640	406.0	43.67	4.339	350.2	40.88	3.506	288.7	34.52	2.987	208.6	22.66	1.830
0.70	542.9	67.25	6.739	411.3	49.90	5.094	341.1	41.37	4.203	264.5	34.23	3.166	182.2	22.55	1.799
0.75	416.6	58.57	5.935	329.3	51.05	4.686	286.6	45.09	4.059	232.0	36.55	3.235	155.8	23.44	1.992
0.80	476.6	59.79	7.727	279.0	45.11	4.514	219.8	35.21	3.467	150.3	23.28	3.467	150.3	23.28	2.120
0.85	430.5	58.86	7.878	272.9	41.72	4.989	242.7	37.65	4.412	201.3	31.98	3.570	141.0	22.45	2.182
0.90	696.7	103.16	14.594	270.7	39.25	5.549	212.2	31.32	4.317	170.2	27.31	3.491	137.1	20.95	2.261
0.95	743.9	113.48	17.120	345.6	50.85	7.891	220.8	32.58	5.025	150.7	25.22	3.490	131.7	19.26	2.376
1.00	936.6	149.35	23.725	353.5	55.42	8.940	234.1	36.66	5.901	136.7	24.76	3.393	125.3	18.22	2.456
1.10	648.6	115.26	19.879	276.8	49.78	8.470	202.2	37.50	6.167	136.7	24.57	4.105	111.8	18.63	2.536
1.20	399.4	78.30	14.568	242.7	50.65	8.838	184.9	39.56	6.701	123.9	27.10	4.403	98.5	19.98	2.535
1.30	152.9	33.71	6.566	145.5	31.21	6.217	130.4	29.04	5.547	101.0	26.09	4.214	85.7	20.85	2.695
1.40	155.3	36.72	7.708	115.5	29.19	5.715	99.2	28.02	4.882	86.1	25.93	4.155	74.2	21.35	2.779
1.50	114.3	31.89	6.500	97.2	26.66	5.523	88.3	26.02	4.996	75.7	24.99	4.185	64.4	21.48	2.771
1.60	113.7	31.63	7.371	85.2	26.72	5.513	76.3	24.96	4.909	64.3	24.13	4.035	56.4	21.39	2.693
1.70	128.1	34.46	9.377	66.8	26.15	4.880	59.7	24.11	4.328	51.5	23.33	3.623	49.8	21.18	2.556
1.80	62.5	23.39	5.430	54.3	23.11	4.437	48.3	22.85	3.922	40.0	22.43	3.191	44.6	20.91	2.384
1.90	47.4	21.08	4.332	42.4	21.39	3.859	40.1	21.52	3.604	35.6	21.54	3.112	40.4	20.62	2.304
2.00	34.0	19.84	3.441	33.7	20.31	3.388	33.0	20.58	3.268	31.0	20.84	2.953	37.1	20.34	2.316
2.20	25.2	19.82	3.093	24.4	19.87	2.970	24.1	19.93	2.875	24.2	20.07	2.713	32.1	19.89	2.284
2.40	18.7	19.61	2.722	18.6	19.60	2.694	18.8	19.60	2.647	19.4	19.67	2.538	28.5	19.59	2.209
2.60	14.9	18.95	2.551	14.8	19.11	2.513	15.0	19.23	2.465	15.8	19.39	2.367	23.8	19.39	2.109
2.80	12.7	18.89	2.523	12.2	19.05	2.384	12.1	19.16	2.291	12.9	19.30	2.173	23.7	19.29	1.994
3.00	9.6	19.42	2.179	8.7	19.41	1.961	9.1	19.40	1.929	11.0	19.39	1.904	21.8	19.24	1.870
3.20	9.6	20.00	2.692	8.6	19.83	2.211	8.1	19.69	2.015	10.1	19.52	1.778	20.2	19.22	1.751
3.40	9.3	20.27	2.710	7.6	20.04	2.207	7.2	19.85	2.025	9.0	19.60	1.790	18.8	19.20	1.689
3.60	7.4	20.19	2.432	6.0	19.98	1.927	6.2	19.81	1.927	8.0	19.57	1.777	17.5	19.17	1.624
3.80	6.5	19.87	2.371	6.2	19.75	1.927	6.2	19.64	1.851	7.2	19.46	1.699	16.4	19.13	1.761
4.00	5.9	19.48	2.385	5.7	19.45	1.945	5.8	19.40	1.840	6.5	19.31	1.694	15.4	19.08	1.799

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

RESPONSE SPECTRUM

Table with columns: PER, AA, RV, RD, AA, RV, RD, AA, RV, RD, AA, RV, RD, AA, RV, RD. Includes sub-headers for DAMPING, CORRECTION, and STATION = HOSOSHIMA-S.

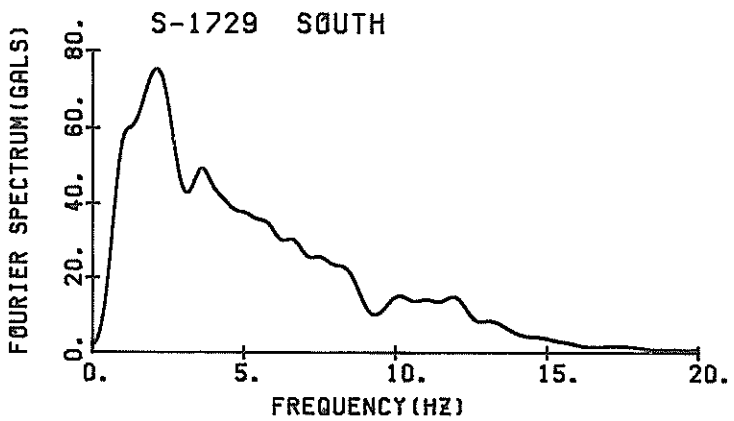
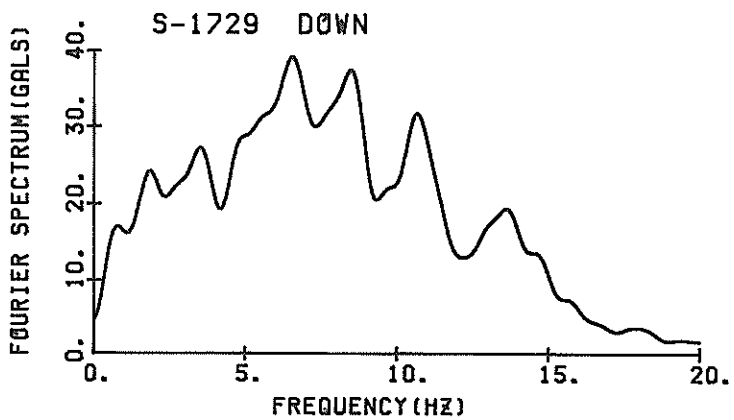
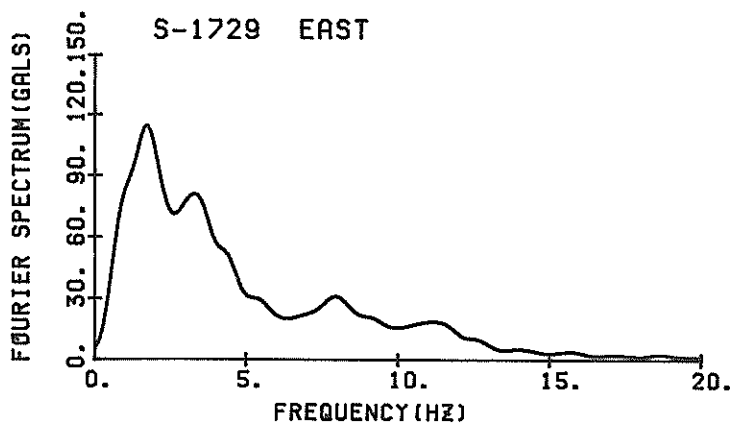
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1729 COMPONENT = DOWN SIGNAL = GR. ACC. STATION = HOSOSHIMA-S  
DATE AND TIME = 1984-08-07-04-06 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 214.56 (GAL)  
TIME LENGTH = 59.99 (SEC) SKIPPED LENGTH = 0.00 (SEC) CORRECTION =

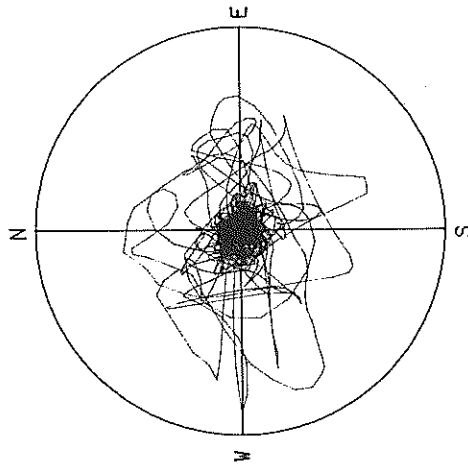
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PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)



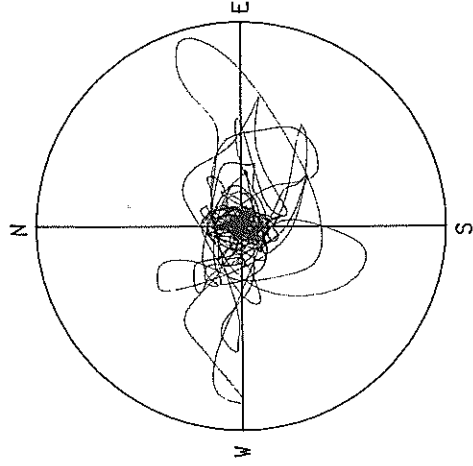
FOURIER SPECTRA

S-1729 HOSOSHIMA-S



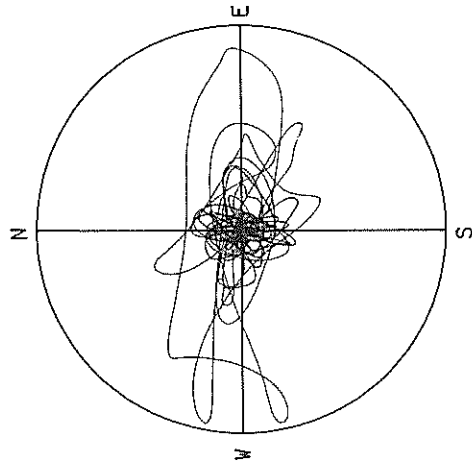
ACCELERATION  
R=400.0GAL  
MAX=358.2GAL

S-1729 HOSOSHIMA-S



VELOCITY  
R=30.0 CM/SEC.  
MAX=28.9 CM/SEC.

S-1729 HOSOSHIMA-S



DISPLACEMENT  
R=4.00 CM  
MAX=3.87 CM

RECORD NUMBER S-1734  
 STATION OITA-S

EARTHQUAKE DATA

\*\*\*\*\*

DATA AND TIME 04:06 AUGUST 7, 1984  
 LOCATION OF HYPOCENTER  
 EPICENTRAL REGION SE OFF KYUSHU  
 LATITUDE 32°23' N  
 LONGITUDE 132°09' E  
 DEPTH 33 KM  
 MAGNITUDE 7.1

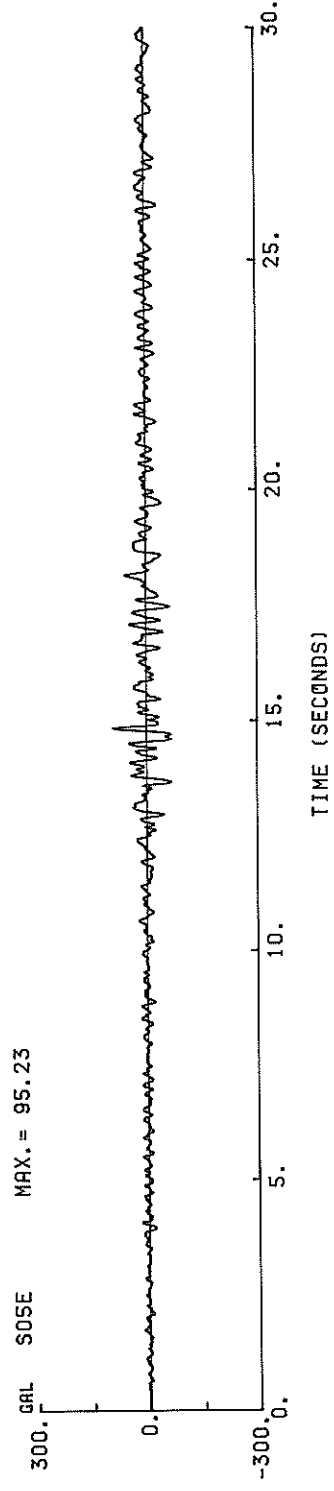
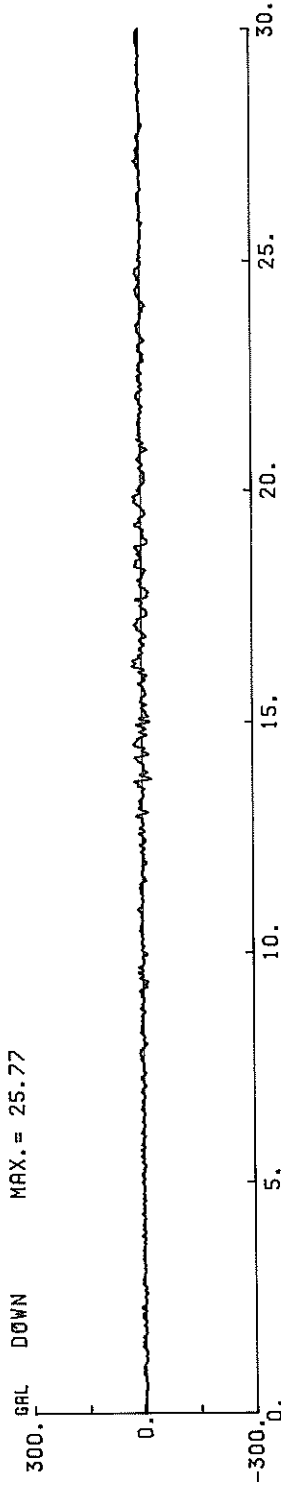
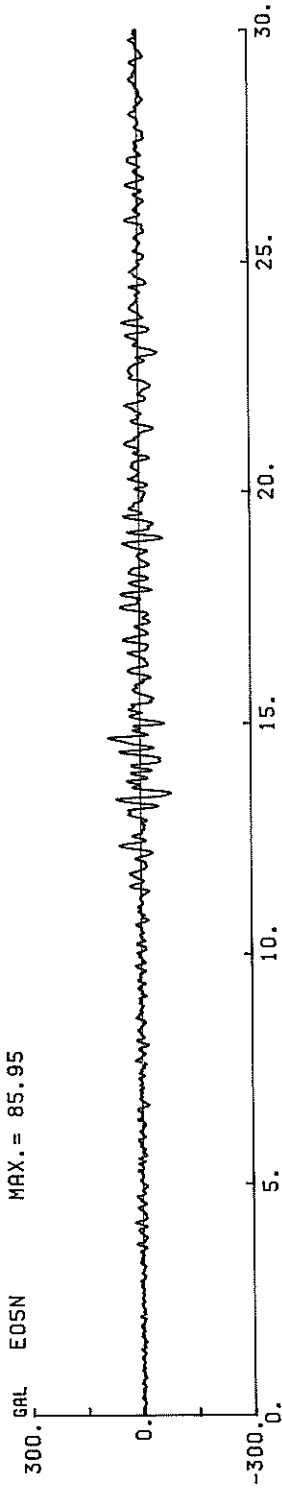
\*\*\*\*\*

PEAK VALUES OF COMPONENTS

	N S	E W	U D	HORIZONTAL*
PARAMETER OF THE VARIABLE FILTER				
FC (HZ)	0.256	0.231	0.305	
MAXIMUM ACCELERATION (GAL)				
ORIGINAL	95.2	85.9	25.8	102.5
CORRECTED	134.6	117.0	53.2	137.6
MAXIMUM VELOCITY (CM/SEC)				
FIXED FILTER	7.40	8.56	3.24	9.15
VARIABLE FILTER	7.49	8.04	3.05	9.62
MAXIMUM DISPLACEMENT (CM)				
FIXED FILTER	1.845	1.947	1.424	2.558
VARIABLE FILTER	1.366	1.555	0.731	2.068

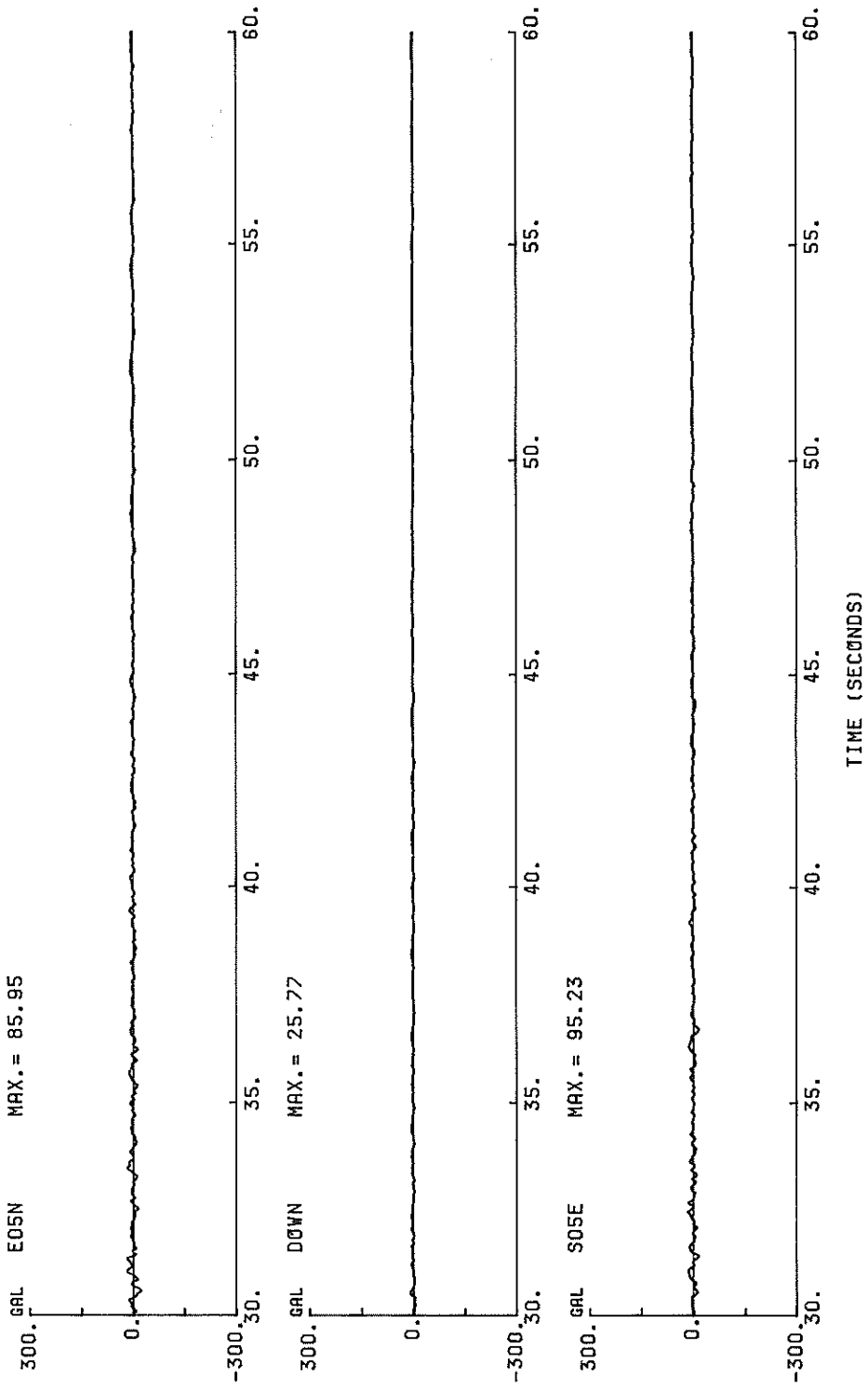
\* RESULTANT OF HORIZONTAL COMPONENTS

S-1734 ØITA-S

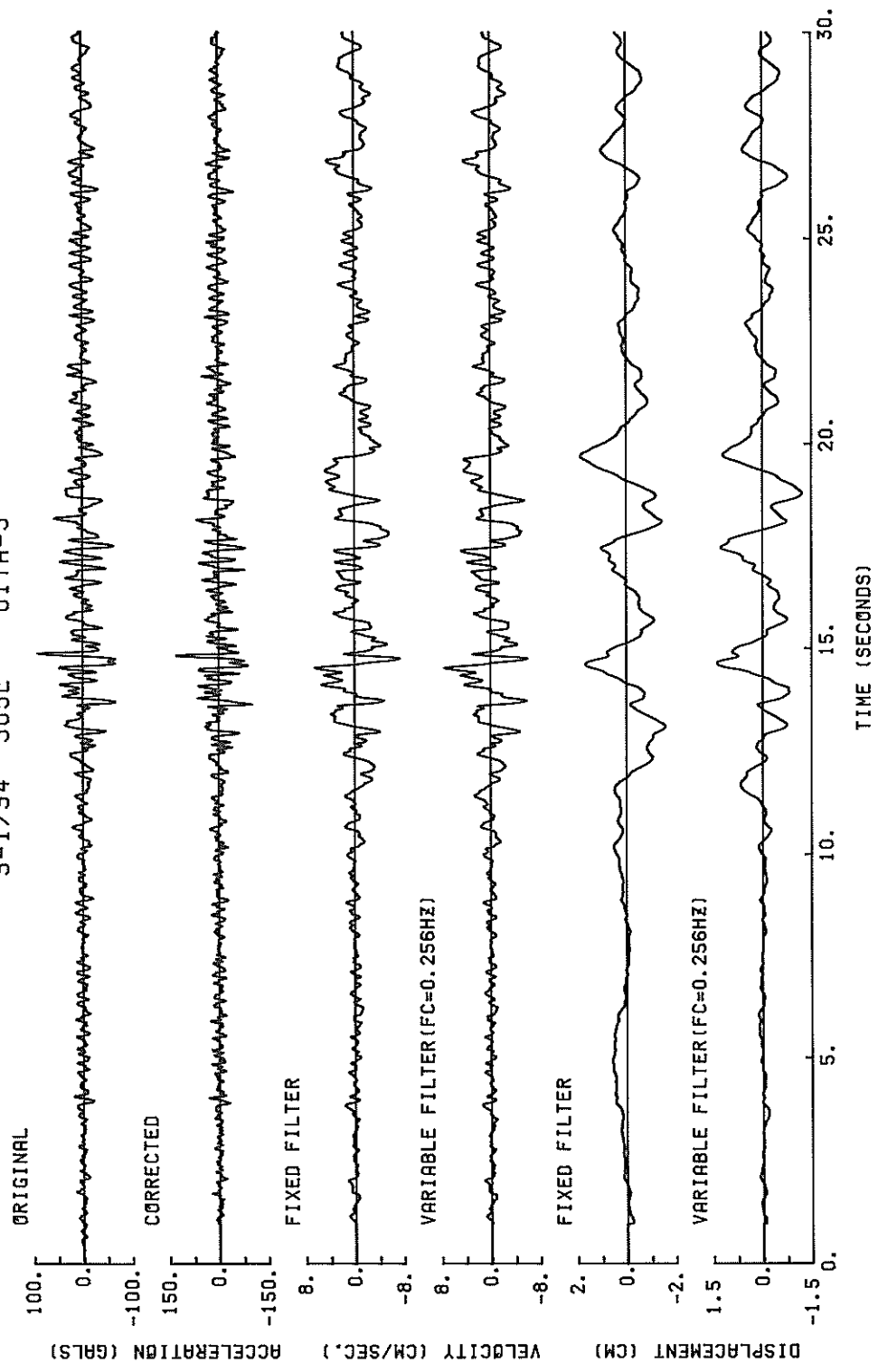




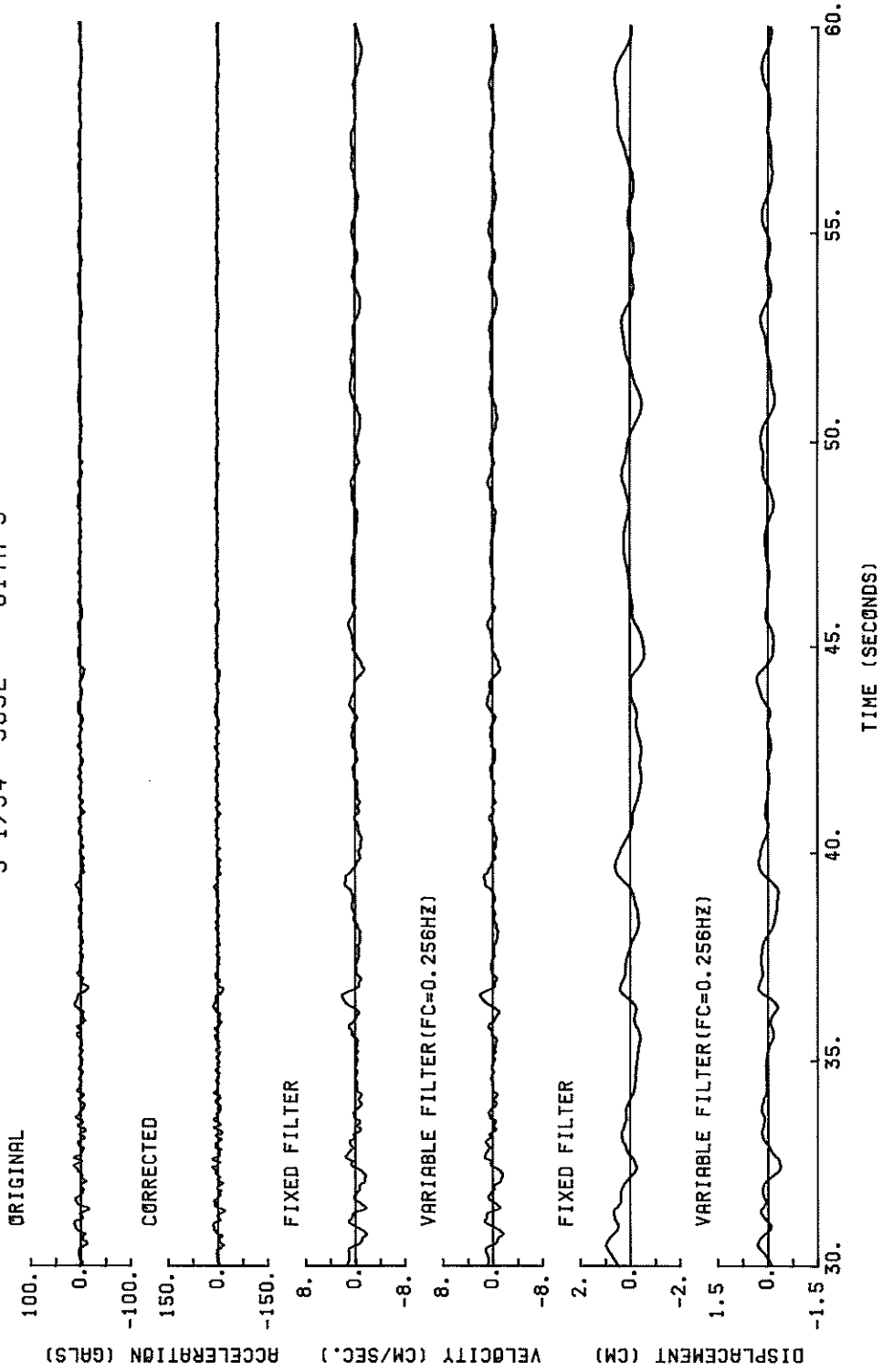
S-1734 01TA-S



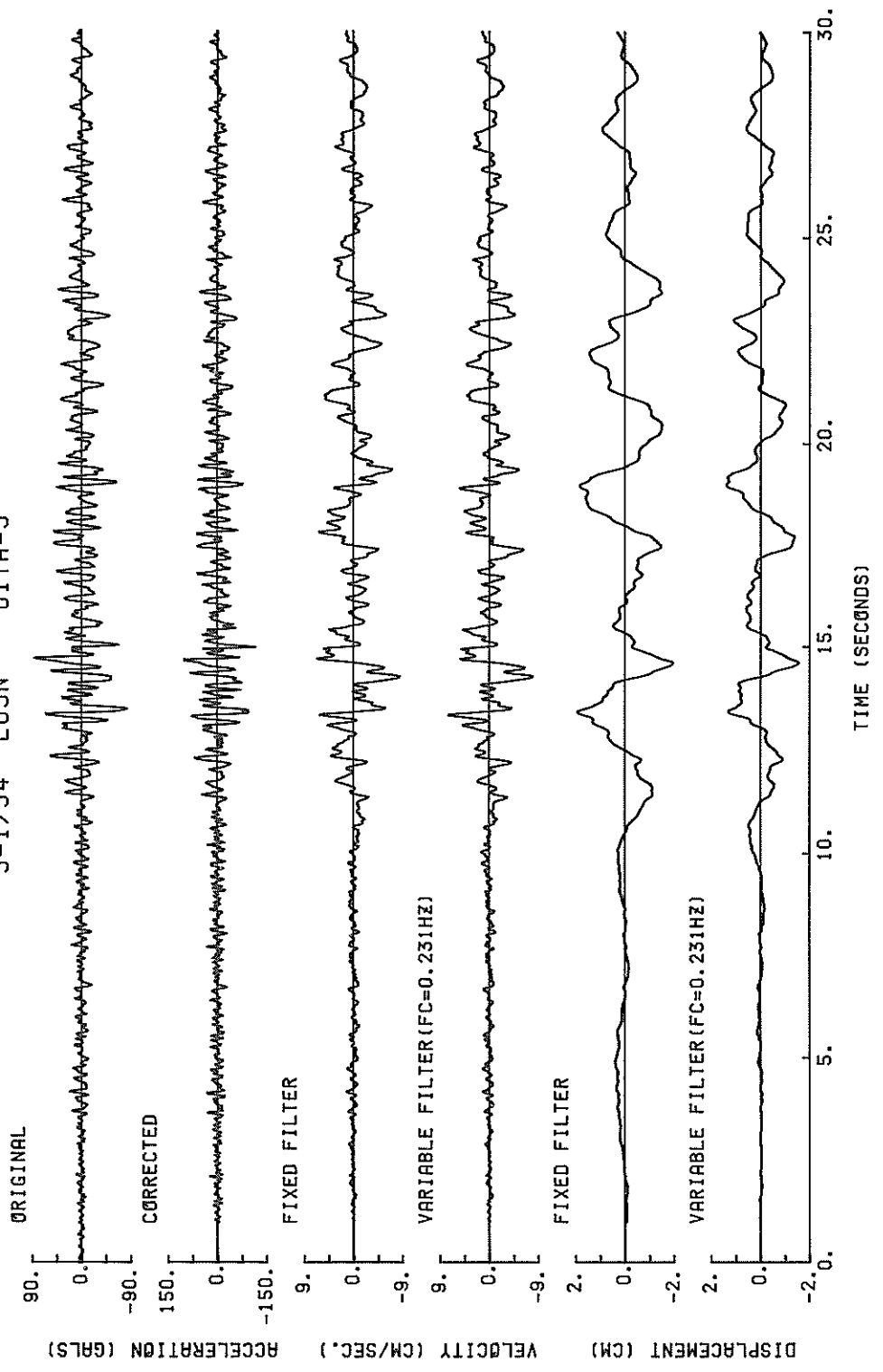
S-1734 S05E 01TA-S



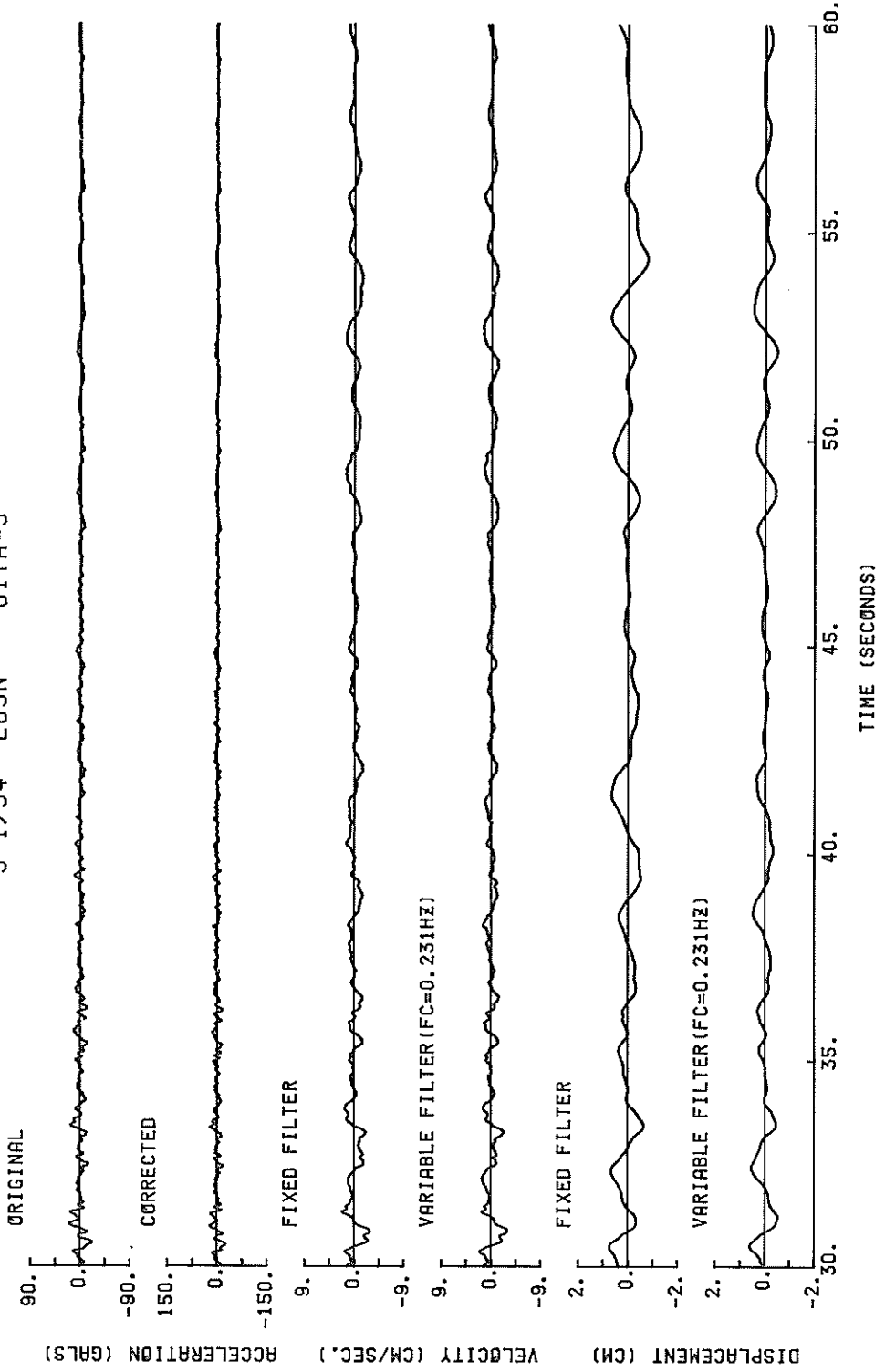
S-1734 S05E 01TA-S



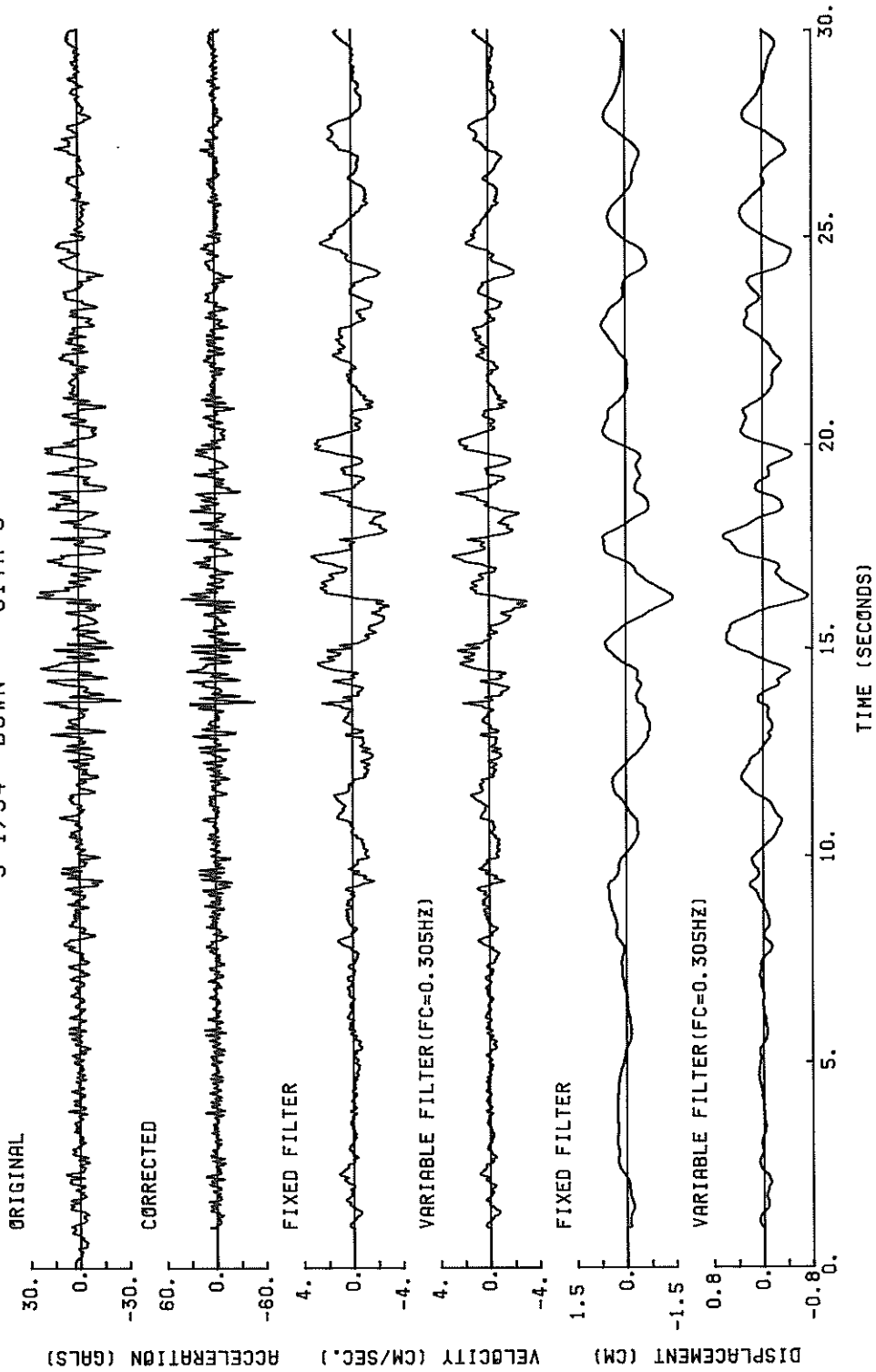
S-1734 E05N 01TA-S



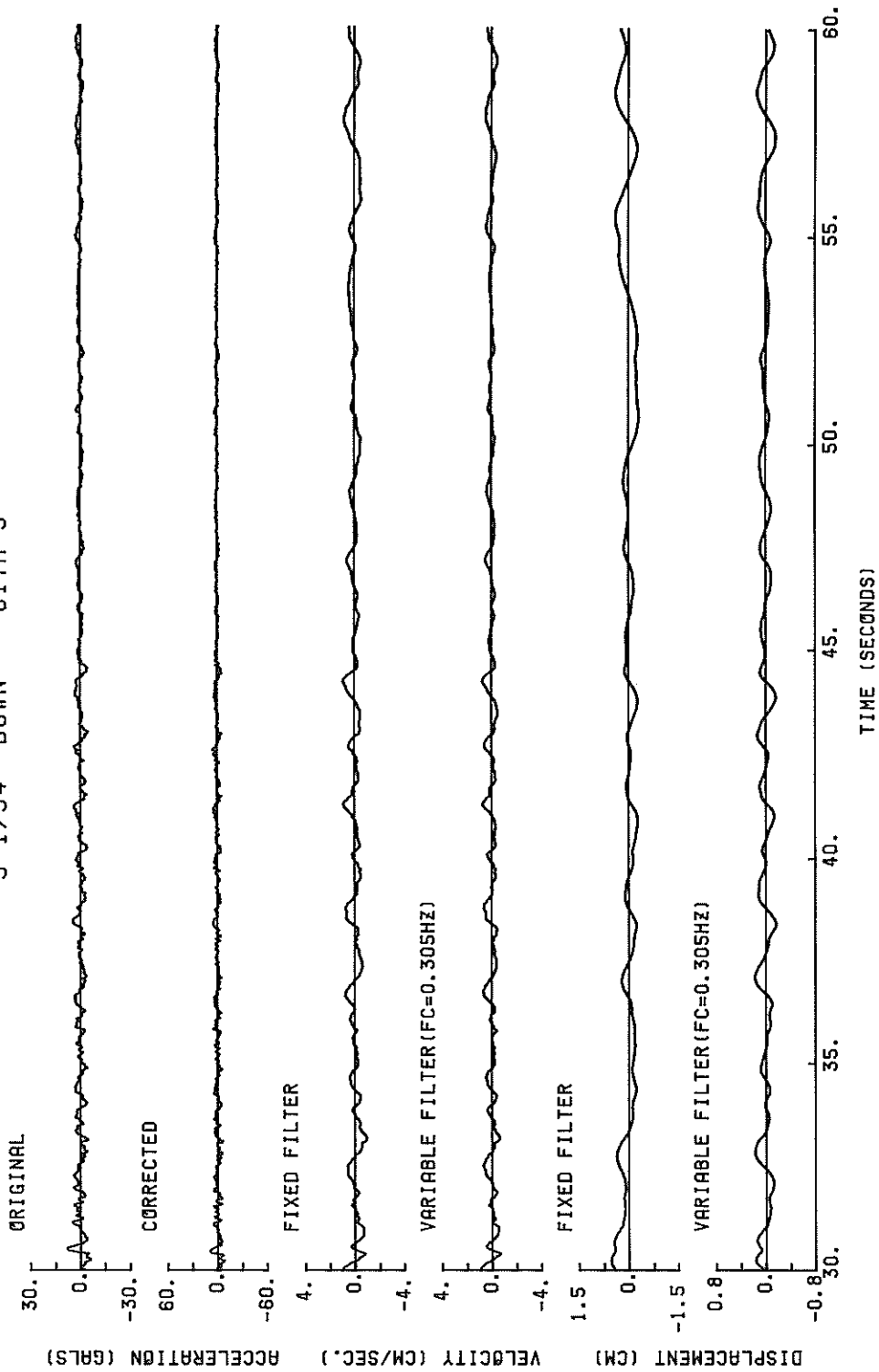
S-1734 E05N 01TA-S



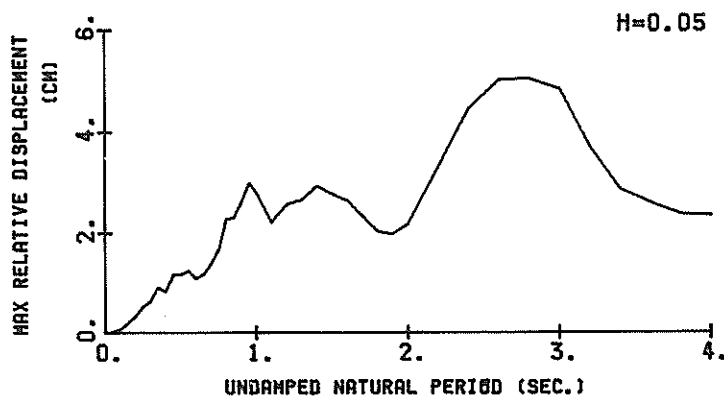
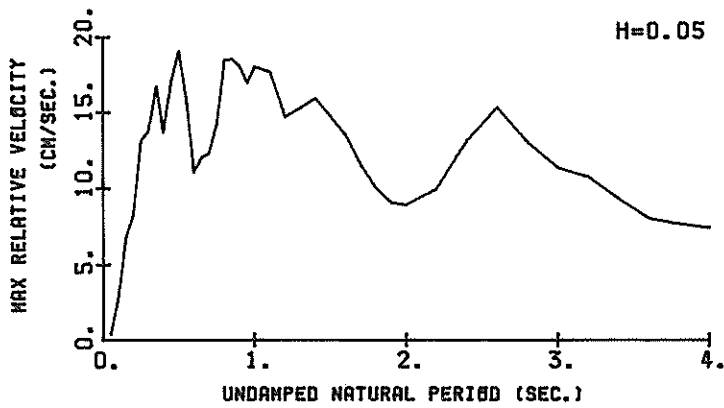
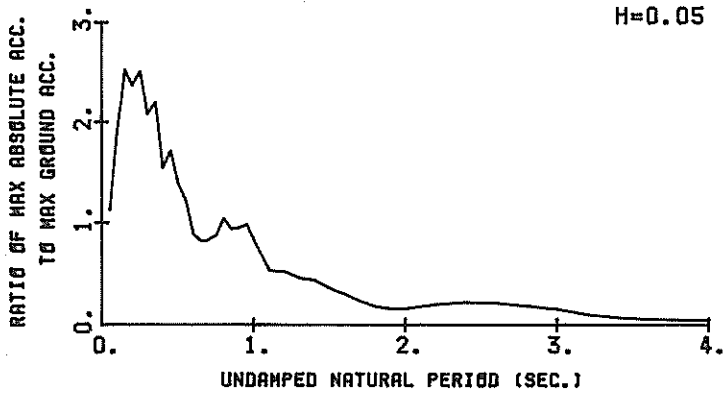
S-1734 DOWN QITR-S



S-1734 DOWN OITA-S



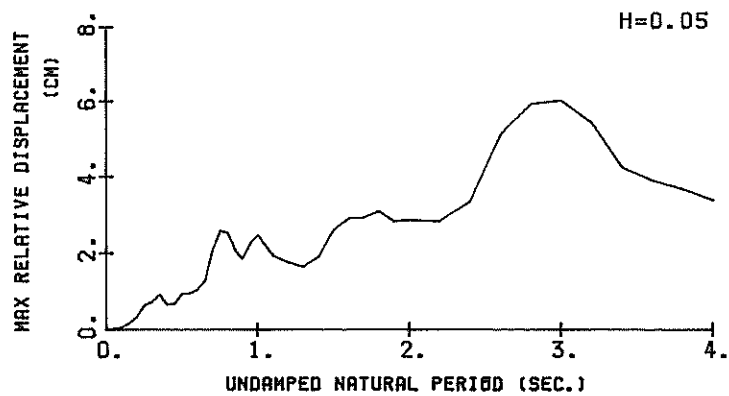
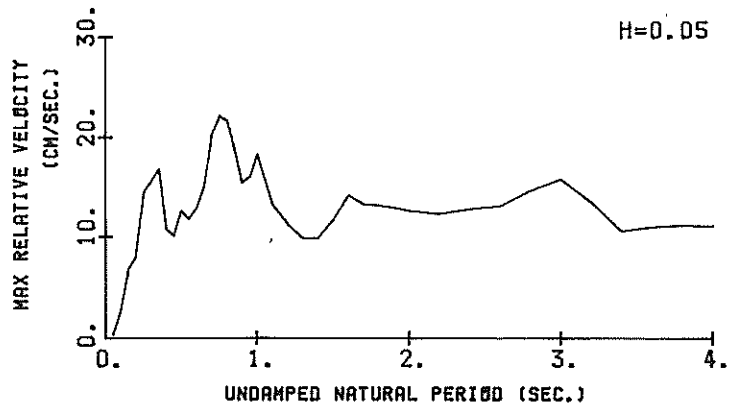
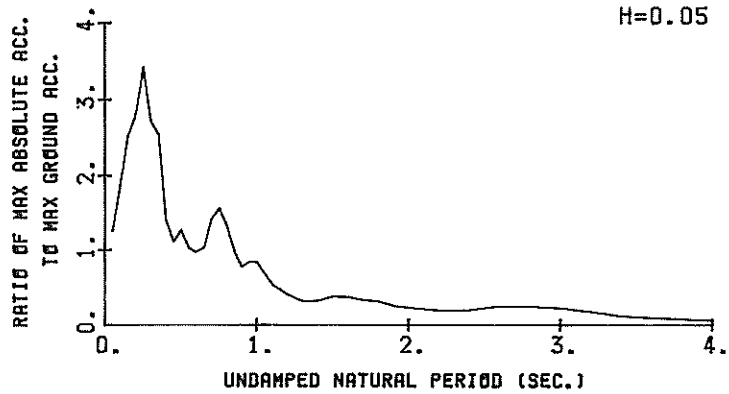
S-1734 S05E OITA-S  
(1/FC=3.91 SEC.)



### RESPONSE SPECTRA

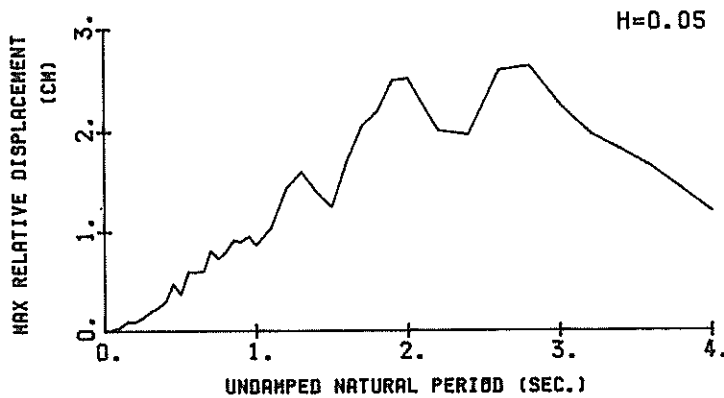
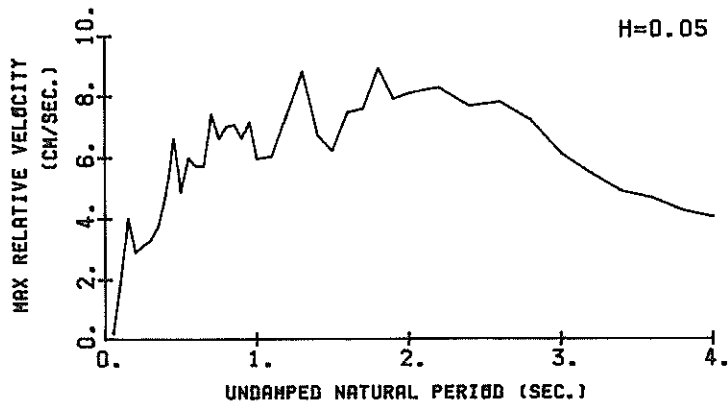
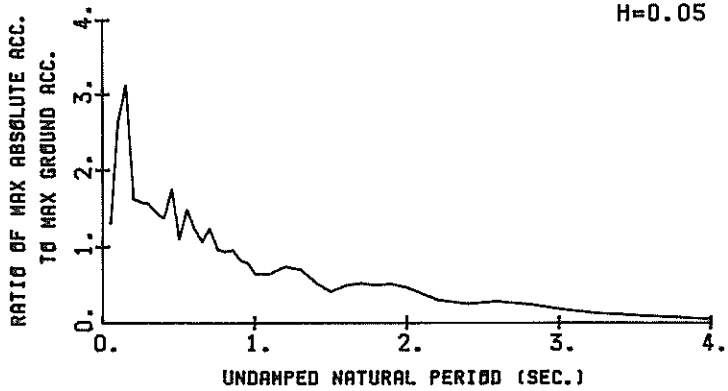


S-1734 E05N OITA-S  
(1/FC=4.32 SEC.)



### RESPONSE SPECTRA

S-1734 DOWN OITA-S  
(1/FC=3.28 SEC.)



RESPONSE SPECTRA

RESPONSE SPECTRUM

RECORD = S-1734  
 DATE AND TIME = 1984-08-07-04-06  
 TIME LENGTH = 59.99 (SEC)

COMPONENT = SOSE  
 SIGNAL = GR. ACC.  
 SAMPRING INTERVAL = 0.0100(SEC)  
 SKIPPED LENGTH = 0.00 (SEC)

CORRECTION =  
 MAX. GROUND ACC. = 134.60 (GAL)  
 STATION = OITA-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	207.1	0.94	0.013	156.7	0.45	0.010	151.1	0.39	0.010	148.2	0.35	0.009	146.2	0.30	0.009					
0.10	733.9	10.89	0.186	301.5	3.95	0.077	255.9	2.76	0.064	205.5	2.09	0.052	168.3	1.41	0.041					
0.15	1110.3	25.93	0.833	429.7	9.02	0.266	339.7	6.80	0.195	269.0	5.09	0.152	202.5	3.60	0.109					
0.20	3635.9	27.57	0.875	3284.5	9.74	0.739	337.6	8.20	0.320	268.3	7.01	0.288	183.1	5.06	0.170					
0.25	2510.3	99.92	3.974	461.8	17.67	0.729	337.6	13.02	0.530	231.0	9.13	0.359	176.4	6.06	0.231					
0.30	4933.5	23.97	1.125	310.0	14.73	0.705	279.3	13.73	0.632	219.7	10.36	0.491	179.7	6.84	0.360					
0.35	5111.5	28.02	1.587	380.1	21.31	1.177	295.9	16.72	0.913	229.0	12.22	0.691	167.4	8.16	0.445					
0.40	370.3	22.60	1.303	214.1	14.37	0.863	206.5	13.62	0.832	186.1	12.08	0.736	145.0	9.61	0.489					
0.45	570.7	40.57	2.928	300.7	21.60	1.543	239.6	17.17	1.170	172.1	14.94	0.859	119.0	10.56	0.529					
0.50	5411.1	42.48	3.425	243.5	21.79	1.540	186.8	19.09	1.173	149.0	15.71	0.924	108.9	10.91	0.621					
0.55	387.4	33.77	2.968	185.2	17.01	1.419	165.8	15.66	1.244	135.2	13.73	1.006	100.7	10.39	0.677					
0.60	282.5	26.88	2.576	144.8	13.00	1.318	120.0	11.02	1.089	105.0	10.55	0.922	88.8	9.61	0.690					
0.65	220.1	22.60	2.356	134.6	11.54	1.439	110.8	12.01	1.179	96.0	8.54	1.003	77.2	8.88	0.688					
0.70	386.2	42.83	4.794	139.3	16.02	1.728	112.1	12.29	1.383	94.3	9.86	1.147	68.7	8.55	0.703					
0.75	253.3	30.33	3.616	145.9	16.71	2.078	118.7	14.19	1.685	95.9	11.57	1.343	65.1	8.61	0.795					
0.80	537.0	43.45	5.788	187.8	23.89	3.039	140.6	18.67	2.271	97.4	13.23	1.537	65.5	8.77	0.866					
0.85	358.2	48.58	6.556	157.2	22.83	2.871	128.8	18.55	2.503	95.1	13.66	1.692	67.8	8.73	0.929					
0.90	169.0	24.80	3.467	152.8	21.54	3.130	128.2	18.10	2.615	92.7	13.28	1.927	69.4	8.36	1.164					
0.95	355.6	54.11	8.130	163.0	21.86	3.720	132.3	16.95	2.998	99.3	12.91	2.190	68.9	7.95	1.256					
1.00	253.5	40.56	6.421	136.5	24.06	3.453	111.8	18.08	2.799	90.6	13.53	2.187	66.3	8.82	1.303					
1.10	154.0	27.70	4.719	100.4	19.67	3.072	72.3	17.71	2.202	62.4	14.77	1.802	57.5	10.08	1.273					
1.20	200.5	38.26	7.312	92.4	18.28	3.366	70.7	14.72	2.566	50.2	13.68	1.785	47.9	10.62	1.169					
1.30	97.4	21.24	4.171	74.0	17.81	3.163	62.8	15.33	2.669	48.1	12.69	2.002	33.9	10.78	1.159					
1.40	115.7	26.03	5.742	74.1	18.76	3.672	59.8	15.95	2.945	43.0	12.81	2.069	33.5	10.84	1.156					
1.50	92.6	23.40	5.277	64.5	16.65	3.673	49.2	14.77	2.784	35.0	13.09	1.915	28.2	10.77	1.174					
1.60	35.6	22.96	5.553	48.1	14.14	3.117	41.2	13.51	2.652	31.8	12.66	2.011	23.7	10.59	1.236					
1.70	55.7	15.58	4.076	36.1	11.59	2.640	32.2	11.55	2.346	27.0	11.34	1.902	21.8	10.34	1.300					
1.80	32.8	12.35	2.894	27.0	10.22	2.213	25.8	10.05	2.037	21.9	10.31	1.757	20.8	10.05	1.383					
1.90	29.7	11.25	2.718	25.8	9.51	2.336	21.8	9.09	1.974	20.5	9.55	1.831	19.8	9.79	1.470					
2.00	51.4	16.76	5.212	24.8	9.52	2.511	21.5	8.92	2.167	20.9	9.14	2.070	18.8	9.59	1.558					
2.20	35.4	11.97	4.335	30.8	10.62	3.768	27.1	9.96	3.295	23.1	9.17	2.746	16.8	9.38	1.695					
2.40	49.2	19.59	7.172	37.2	14.81	5.422	30.7	13.14	4.452	23.0	10.80	3.281	15.7	9.34	1.884					
2.60	68.7	28.76	11.771	41.1	17.76	7.025	29.6	15.35	5.026	21.5	12.10	3.544	15.1	9.31	2.099					
2.80	50.4	22.82	10.002	30.2	16.26	5.995	25.9	13.09	5.041	19.5	10.99	3.816	13.8	9.24	2.180					
3.00	29.7	13.49	6.767	24.9	12.68	5.651	21.7	11.40	4.858	17.5	9.72	3.785	12.4	9.10	2.245					
3.20	24.5	13.04	6.359	15.5	11.80	4.009	14.6	10.80	3.723	15.6	9.53	3.241	10.8	8.90	2.236					
3.40	12.3	9.71	3.600	11.1	9.63	3.223	10.2	9.34	2.879	10.0	8.78	2.610	10.3	8.67	2.150					
3.60	8.8	7.97	2.896	8.6	8.11	2.784	8.3	8.10	2.515	8.2	8.29	2.247	9.3	8.42	2.043					
3.80	7.4	7.51	2.694	7.0	7.57	2.537	6.9	7.71	2.370	7.5	7.93	2.227	9.3	8.18	1.948					
4.00	6.1	7.42	2.462	6.1	7.43	2.416	6.3	7.49	2.361	6.9	7.64	2.236	8.8	7.96	1.883					

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

RESPONSE SPECTRUM

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	159.8	0.46	0.010	152.7	0.42	0.010	146.9	0.38	0.009	142.1	0.35	0.009	137.3	0.34	0.009
0.10	370.4	13.80	0.220	207.4	2.63	0.052	216.4	2.55	0.055	216.9	2.33	0.054	183.0	1.63	0.044
0.15	1087.4	35.21	0.791	425.8	9.86	0.242	295.1	6.69	0.165	212.1	4.63	0.121	157.6	2.79	0.084
0.20	1386.3	34.51	1.101	385.3	10.02	0.389	323.9	7.91	0.304	259.0	6.21	0.258	185.3	4.36	0.174
0.25	1034.4	39.74	1.638	524.3	19.65	0.926	400.0	14.49	0.632	305.0	10.47	0.478	195.9	6.33	0.289
0.30	725.8	34.46	1.657	368.8	17.89	0.959	319.0	15.53	0.774	274.3	12.54	0.614	187.4	7.03	0.389
0.35	940.5	54.05	2.913	395.2	22.90	1.223	299.0	16.81	0.919	221.2	11.55	0.559	158.7	7.02	0.435
0.40	354.0	23.86	1.435	200.4	13.65	0.810	164.5	10.80	0.661	141.3	9.17	0.534	101.2	6.82	0.440
0.45	320.7	23.69	1.645	163.0	12.35	0.833	130.5	10.06	0.665	106.8	8.04	0.534	101.2	6.47	0.439
0.50	346.5	27.53	2.194	187.9	16.07	1.190	148.6	12.59	0.935	102.7	8.47	0.639	84.9	6.27	0.448
0.55	336.9	29.08	2.582	141.7	13.47	1.085	120.9	11.76	0.920	102.4	8.77	0.769	77.8	6.68	0.503
0.60	229.7	21.63	2.095	153.1	18.88	1.396	113.7	12.78	1.031	97.9	9.38	0.872	78.6	7.07	0.609
0.65	351.1	36.78	3.758	146.7	18.15	1.369	120.8	14.97	1.268	99.2	11.50	1.037	82.9	7.20	0.754
0.70	398.9	44.43	4.951	231.0	26.74	2.866	166.0	20.21	2.050	119.5	13.58	1.447	86.8	7.45	0.905
0.75	437.3	53.37	6.230	238.4	29.25	3.391	183.6	22.18	2.600	129.4	14.44	1.788	87.1	8.43	1.019
0.80	554.4	71.00	8.988	219.6	29.63	3.556	156.7	21.81	2.526	113.0	16.20	1.793	82.8	9.45	1.083
0.85	173.2	25.75	3.170	132.5	20.89	2.421	113.9	18.69	2.072	93.6	15.55	1.677	75.8	9.98	1.111
0.90	128.4	18.09	2.635	87.4	15.27	1.791	90.4	15.45	1.847	80.9	14.29	1.628	68.7	10.12	1.132
0.95	286.8	43.31	6.556	119.4	19.37	2.726	99.2	18.09	2.456	74.4	13.50	1.666	62.0	10.03	1.165
1.00	280.3	43.87	7.099	146.4	25.88	3.702	118.5	18.50	2.464	66.4	12.93	1.642	56.0	10.19	1.205
1.10	177.7	31.17	5.445	68.4	13.77	2.090	63.6	13.25	1.936	55.8	12.28	1.689	46.2	10.29	1.264
1.20	55.6	12.55	2.027	50.0	11.32	1.818	48.8	11.29	1.760	46.8	11.19	1.657	41.6	10.27	1.339
1.30	38.9	11.33	1.665	36.5	9.55	1.533	38.7	9.82	1.633	40.4	10.39	1.668	38.0	10.35	1.441
1.40	48.7	15.55	2.320	39.3	11.10	1.948	38.4	9.86	1.831	38.7	10.44	1.851	35.3	10.35	1.549
1.50	115.9	28.13	6.491	57.6	14.14	3.274	45.8	11.68	2.996	39.4	11.27	2.941	32.0	10.55	1.659
1.60	105.6	26.76	6.845	56.6	16.97	3.662	45.1	14.23	3.899	38.5	12.00	2.345	32.7	10.78	1.748
1.70	81.9	22.68	5.993	54.5	17.03	3.985	40.1	13.31	3.916	35.7	12.37	2.436	31.2	10.99	1.809
1.80	85.1	23.68	6.819	47.9	14.45	3.917	38.1	13.21	3.084	32.4	12.50	2.451	29.4	11.13	1.839
1.90	108.8	33.20	9.951	35.1	13.60	3.197	31.2	12.97	2.820	28.9	12.45	2.411	27.5	11.21	1.841
2.00	35.5	12.93	3.597	31.6	12.82	3.192	28.5	12.67	2.850	25.7	12.32	2.356	25.6	11.25	1.822
2.20	48.7	17.18	5.967	25.7	12.30	3.148	23.0	12.32	2.814	20.7	12.15	2.344	22.0	11.24	1.729
2.40	56.2	22.16	8.202	30.8	13.12	4.486	23.0	12.81	3.354	20.3	12.28	2.781	18.7	11.14	1.900
2.60	45.3	22.74	7.759	36.1	16.39	6.177	29.9	13.06	5.106	22.8	12.23	3.760	17.4	10.92	2.105
2.80	84.2	35.37	16.712	38.0	17.44	7.532	30.1	14.67	5.929	21.2	11.63	4.009	15.6	10.55	2.172
3.00	60.7	28.75	13.845	38.1	18.88	8.676	26.7	15.78	6.039	13.7	12.58	4.010	14.6	10.05	2.376
3.20	45.5	24.02	11.806	27.2	16.47	7.051	21.1	13.51	5.443	14.4	11.70	3.561	13.7	9.49	2.520
3.40	22.0	13.66	6.439	16.7	11.44	4.878	14.8	10.55	4.248	13.1	10.07	3.536	12.7	8.92	2.603
3.60	13.4	11.97	4.408	12.7	11.44	4.073	12.2	10.89	3.903	11.7	10.16	3.487	11.7	8.55	2.632
3.80	11.2	12.05	4.084	10.7	11.57	3.875	10.4	11.13	3.683	10.3	10.37	3.348	10.7	8.78	2.614
4.00	10.7	11.95	4.335	9.8	11.52	3.536	8.7	11.13	3.356	8.9	10.43	3.147	9.8	8.93	2.562

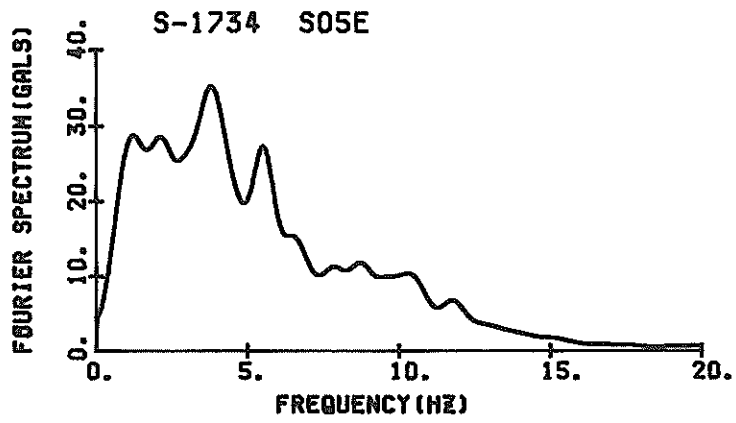
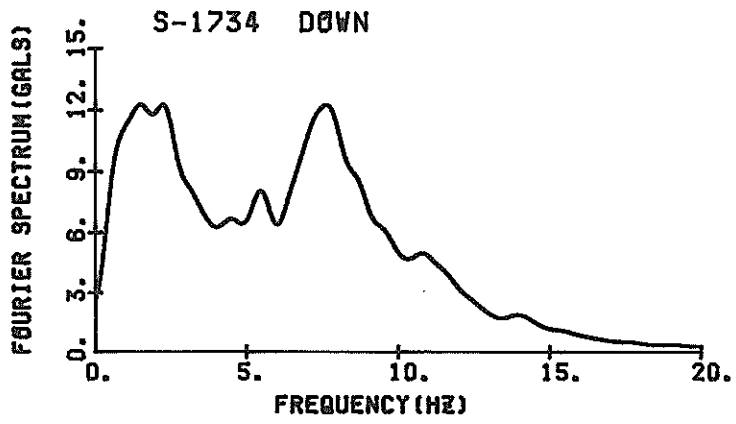
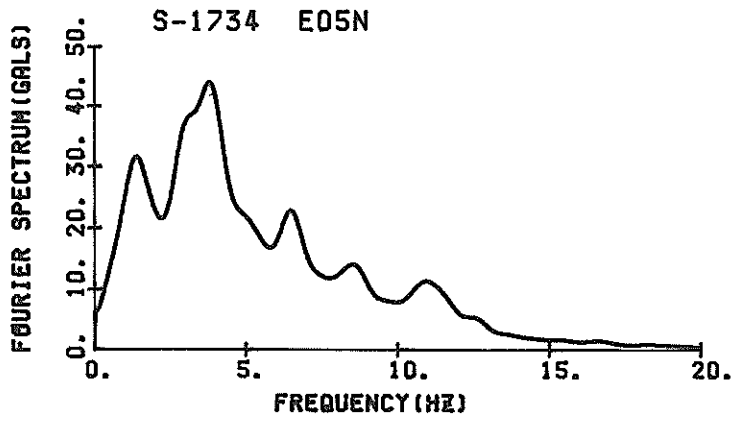
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1734 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = STATION = OITA-S  
 DATE AND TIME = 1984-08-07-04-06 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 53.19 (GAL)  
 TIME LENGTH = 59.99 (SEC) SKIPPED LENGTH = 0.00 (SEC)

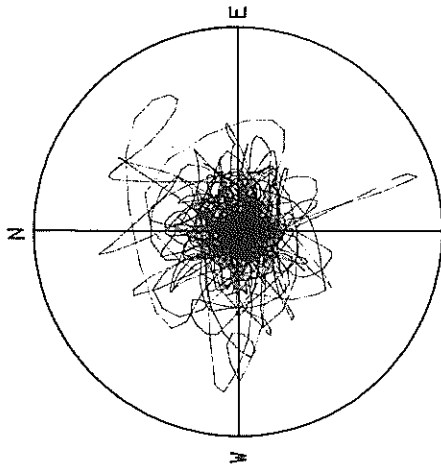
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	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	95.5	0.44	0.006	70.8	0.23	0.004	69.2	0.21	0.004	67.3	0.19	0.004	64.3	0.17	0.004
0.10	697.4	10.95	0.177	153.0	2.11	0.039	139.8	1.87	0.035	119.5	1.46	0.030	88.2	0.87	0.021
0.15	488.4	11.51	0.278	206.8	4.85	0.118	166.0	4.00	0.094	111.1	2.79	0.062	72.1	1.47	0.037
0.20	348.0	11.08	0.353	109.8	3.51	0.112	86.3	2.88	0.087	73.9	2.33	0.074	60.4	1.57	0.054
0.25	136.9	5.44	0.212	107.9	4.15	0.170	84.3	3.10	0.133	65.5	2.52	0.101	49.7	1.91	0.069
0.30	206.1	9.52	0.470	94.8	3.95	0.216	82.9	3.27	0.189	66.2	2.49	0.149	43.2	2.04	0.091
0.35	155.1	8.48	0.481	95.6	4.75	0.296	76.8	3.73	0.236	59.1	3.04	0.180	41.3	2.21	0.118
0.40	151.3	9.56	0.613	96.5	5.93	0.390	72.3	4.74	0.295	56.9	3.63	0.237	38.0	2.17	0.143
0.45	373.3	26.89	1.923	139.3	10.10	0.713	92.7	6.61	0.472	61.0	4.21	0.307	35.0	2.31	0.166
0.50	133.9	14.61	1.165	73.4	6.27	0.463	58.4	4.87	0.368	49.7	3.59	0.311	35.4	2.13	0.208
0.55	188.9	16.27	1.448	95.3	7.63	0.730	78.7	5.99	0.600	57.8	4.30	0.434	35.3	2.42	0.246
0.60	123.4	11.66	1.125	82.5	7.62	0.751	65.3	5.70	0.593	50.4	4.16	0.449	33.4	2.49	0.266
0.65	109.2	11.25	1.168	66.5	6.82	0.712	56.6	5.70	0.604	45.0	4.52	0.474	29.2	2.73	0.268
0.70	173.8	19.24	2.157	88.4	10.31	1.094	65.4	7.39	0.808	44.2	4.73	0.538	26.7	2.99	0.289
0.75	120.4	14.42	1.715	66.4	8.44	0.944	51.5	6.39	0.731	39.0	5.30	0.546	25.5	3.15	0.323
0.80	72.3	9.82	1.172	58.2	7.82	0.942	49.6	7.00	0.799	39.1	5.50	0.619	25.0	3.17	0.354
0.85	97.9	13.18	1.791	61.6	8.67	1.124	50.5	7.06	0.917	38.2	5.24	0.680	23.8	3.03	0.381
0.90	92.7	13.20	1.901	48.1	7.17	0.986	44.2	6.61	0.902	34.0	5.23	0.677	21.9	3.08	0.404
0.95	99.4	15.32	2.272	58.4	9.32	1.333	41.8	7.14	0.951	28.3	5.11	0.628	20.7	3.03	0.418
1.00	135.4	21.45	3.431	46.3	8.02	1.173	34.3	5.94	0.866	24.6	4.73	0.610	19.4	2.89	0.426
1.10	59.1	10.82	1.812	42.0	7.55	1.285	34.3	6.01	1.045	27.0	4.55	0.804	17.7	3.08	0.463
1.20	82.3	15.45	3.020	49.5	9.27	1.802	39.5	7.40	1.434	23.9	5.76	1.030	16.9	3.46	0.549
1.30	89.1	18.58	3.815	48.5	10.87	2.073	37.6	8.80	1.600	27.2	6.43	1.139	16.9	3.68	0.634
1.40	66.2	14.60	3.285	33.6	7.76	1.665	28.4	6.73	1.401	23.2	5.43	1.118	15.7	3.60	0.679
1.50	59.8	14.25	3.411	22.9	6.61	1.304	22.1	6.19	1.250	19.5	5.20	1.079	15.3	3.73	0.741
1.60	44.5	11.25	2.883	30.4	8.76	1.967	26.3	7.46	1.701	21.3	5.76	1.356	15.0	3.80	0.833
1.70	54.5	15.17	3.991	32.6	8.96	2.369	28.1	7.59	2.046	22.0	6.02	1.564	14.1	4.17	0.896
1.80	62.8	18.25	3.154	34.3	11.78	2.809	28.9	8.92	2.197	20.4	6.39	1.629	13.9	4.41	0.924
1.90	43.5	12.57	3.980	34.0	9.66	3.106	27.6	7.91	2.504	20.1	6.44	1.734	13.6	4.50	0.921
2.00	41.8	13.31	4.232	30.4	10.12	3.073	25.0	8.09	2.522	18.4	6.04	1.798	12.8	4.47	0.921
2.20	21.6	9.80	2.645	18.6	9.09	2.269	16.4	8.30	2.907	13.5	6.88	1.630	10.4	4.37	0.978
2.40	28.1	10.78	4.106	14.2	8.03	2.068	13.6	7.67	1.967	12.5	6.82	1.773	8.7	4.65	1.125
2.60	38.8	16.00	6.643	22.1	9.64	3.787	15.3	7.81	2.404	12.3	6.52	1.959	8.5	4.57	1.197
2.80	28.9	14.02	5.742	18.7	9.59	3.705	13.4	7.25	2.848	10.6	6.95	1.984	7.8	4.26	1.180
3.00	16.1	9.05	3.680	12.1	7.06	2.752	10.1	5.14	2.271	8.4	5.40	1.802	6.9	4.03	1.268
3.20	9.6	6.54	2.497	8.7	5.99	2.234	7.8	5.47	1.986	7.2	4.55	1.702	6.2	3.83	1.209
3.40	7.0	5.70	2.057	6.6	5.30	1.937	6.4	4.90	1.830	6.2	4.20	1.625	5.8	3.58	1.213
3.60	5.7	5.35	1.881	5.4	4.98	1.758	5.2	4.67	1.610	5.2	4.14	1.510	5.4	3.33	1.193
3.80	4.2	4.89	1.538	4.1	4.55	1.484	4.1	4.28	1.443	4.3	3.95	1.369	4.9	3.13	1.158
4.00	3.2	4.44	1.282	2.9	4.24	1.173	3.1	4.06	1.210	3.6	3.74	1.230	4.5	3.12	1.120

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



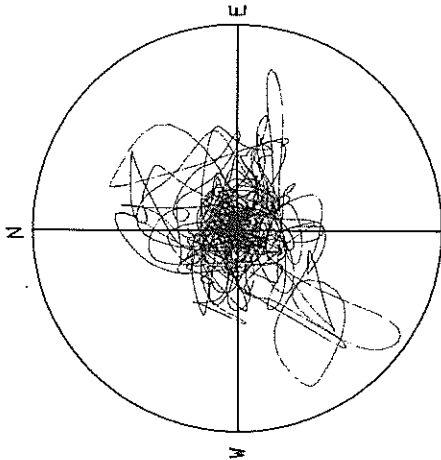
FOURIER SPECTRA

S-1734 01TA-S



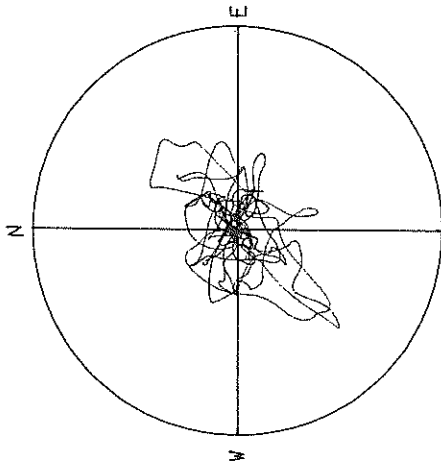
ACCELERATION  
R=150.0GAL  
MAX=137.6GAL

S-1734 01TA-S



VELOCITY  
R=10.0 CM/SEC.  
MAX=9.6 CM/SEC.

S-1734 01TA-S



DISPLACEMENT  
R=3.00 CM  
MAX=2.07 CM

RECORD NUMBER S-1730  
 STATION KOCHI-JI-S

EARTHQUAKE DATA

\*\*\*\*\*

DATA AND TIME 04:06 AUGUST 7, 1984

LOCATION OF HYPOCENTER

EPCENTRAL REGION SE OFF KYUSHU

LATITUDE 32°23' N

LONGITUDE 132°09' E

DEPTH 33 KM

MAGNITUDE 7.1

\*\*\*\*\*

PEAK VALUES OF COMPONENTS

	N S	E W	U D	HORIZONTAL*
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PARAMETER OF THE VARIABLE FILTER

FC (HZ) 0.463 0.439 0.537

MAXIMUM ACCELERATION (GAL)

ORIGINAL 22.8 16.6 9.5 24.0

CORRECTED 24.3 18.9 6.6 25.1

MAXIMUM VELOCITY (CM/SEC)

FIXED FILTER 3.49 2.70 2.28 3.64

VARIABLE FILTER 3.01 2.10 1.13 3.20

MAXIMUM DISPLACEMENT (CM)

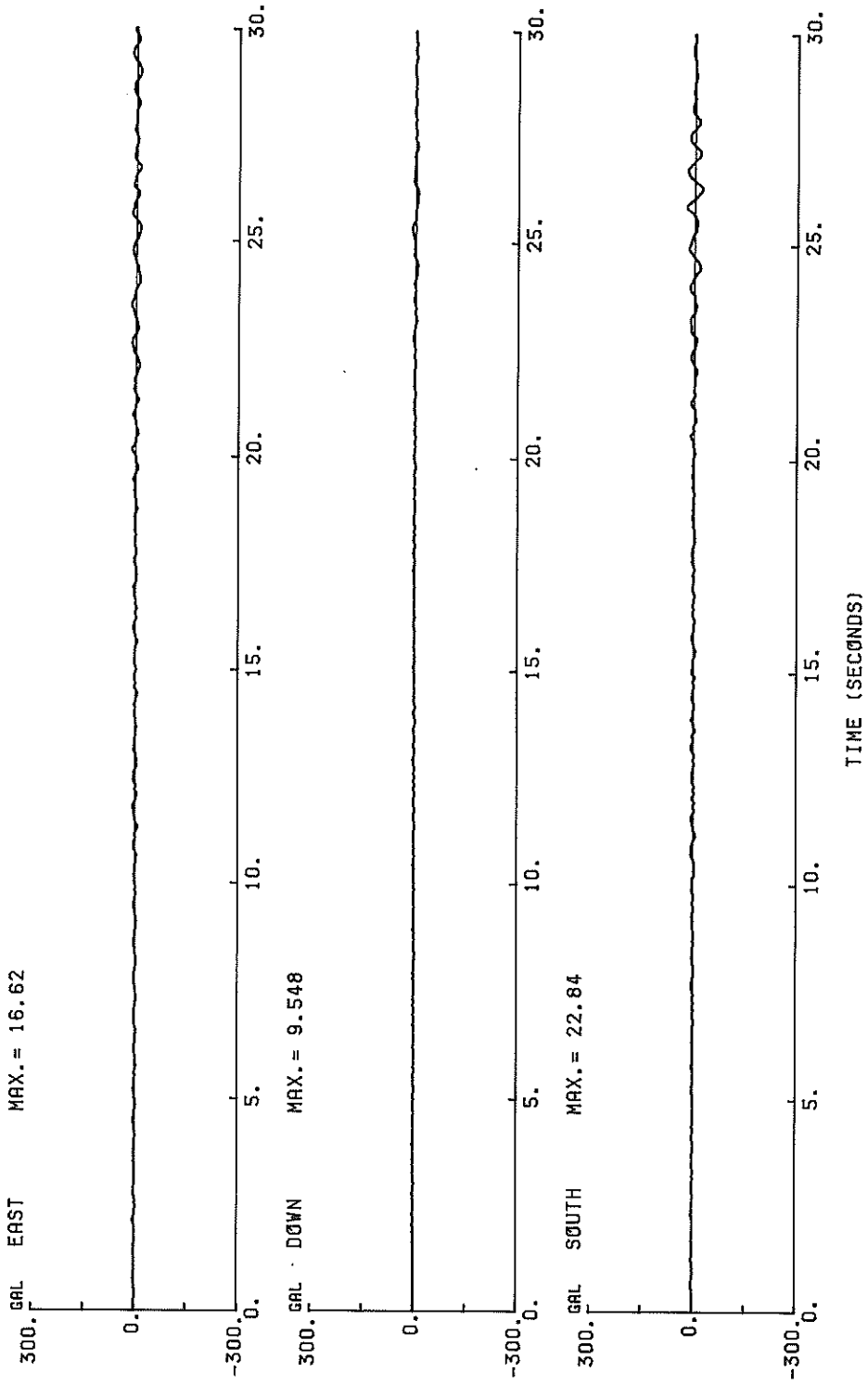
FIXED FILTER 0.940 1.159 0.730 1.269

VARIABLE FILTER 0.481 0.404 0.222 0.486

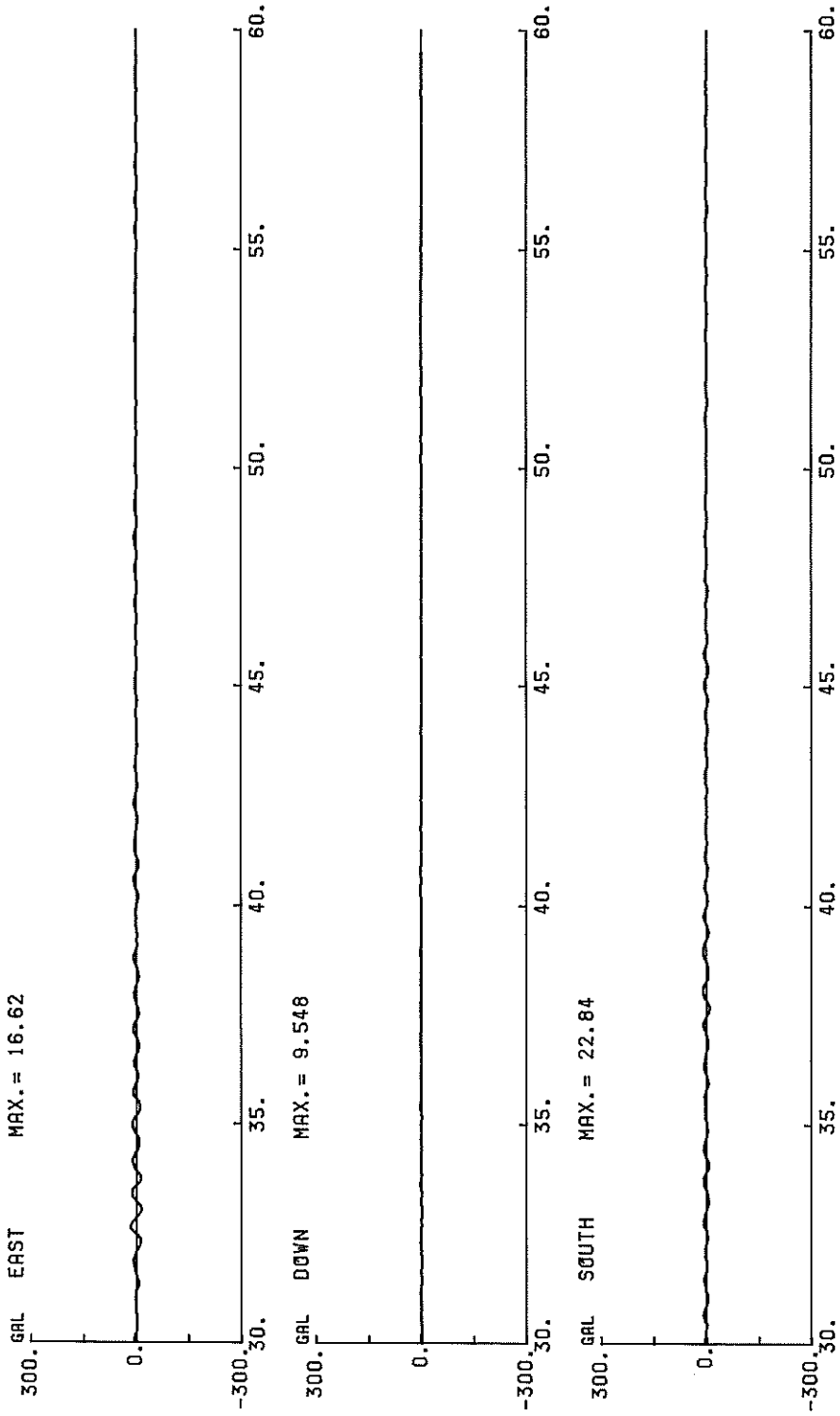
\* RESULTANT OF HORIZONTAL COMPONENTS



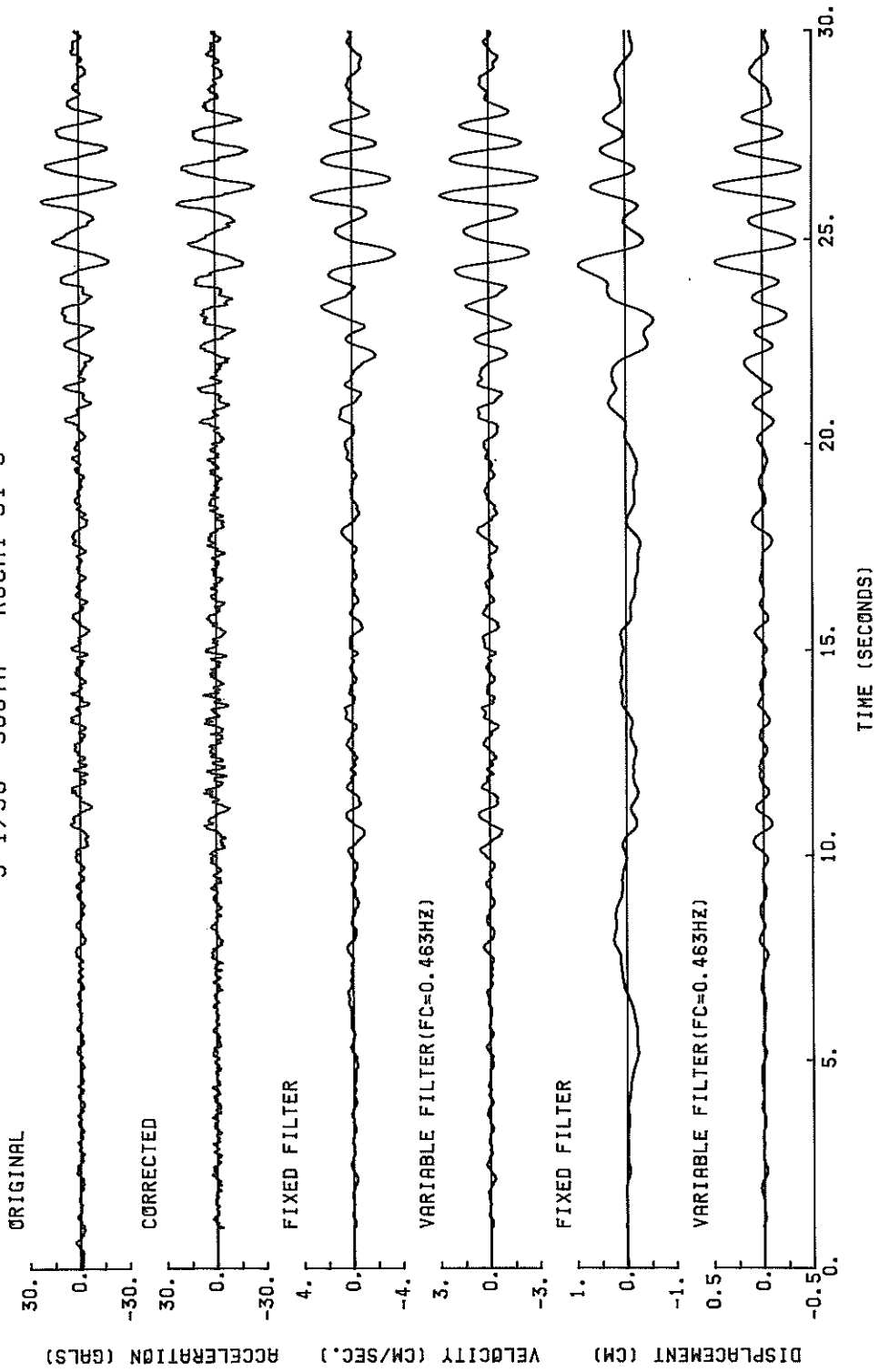
S-1730 KŌCHI-JI-S



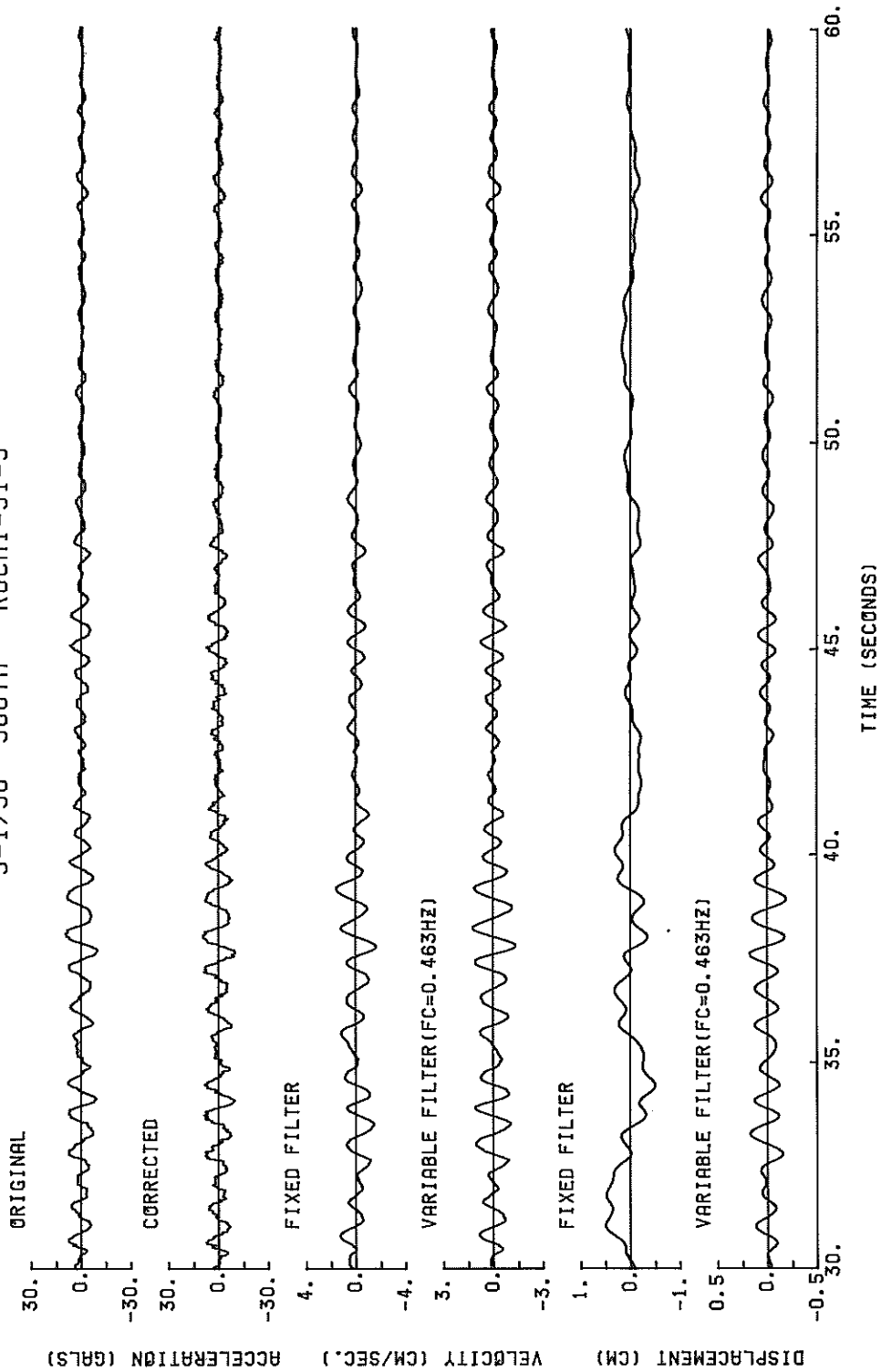
S-1730 KOCHI-JI-S



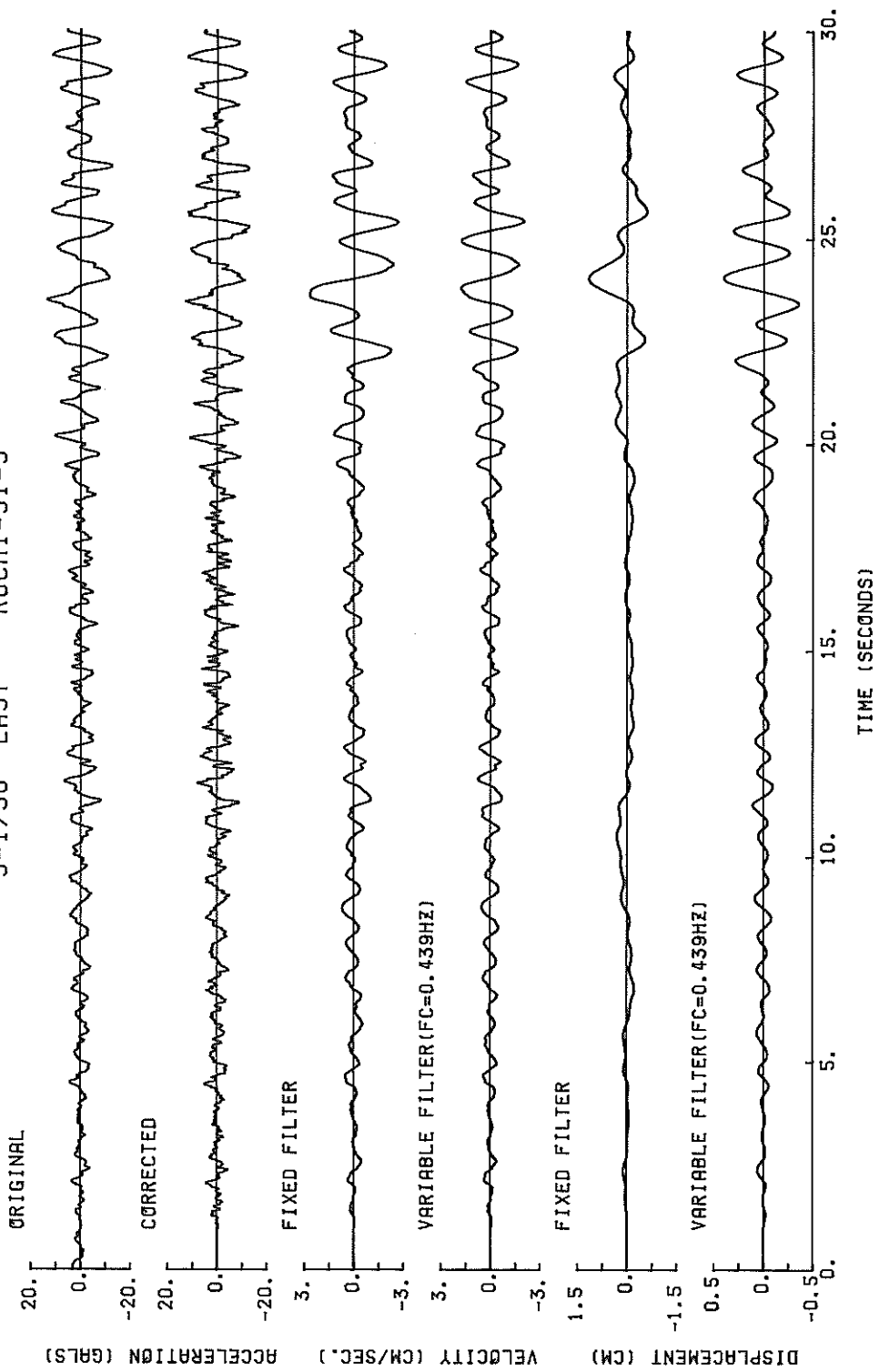
S-1730 SOUTH KOCHI-JI-S



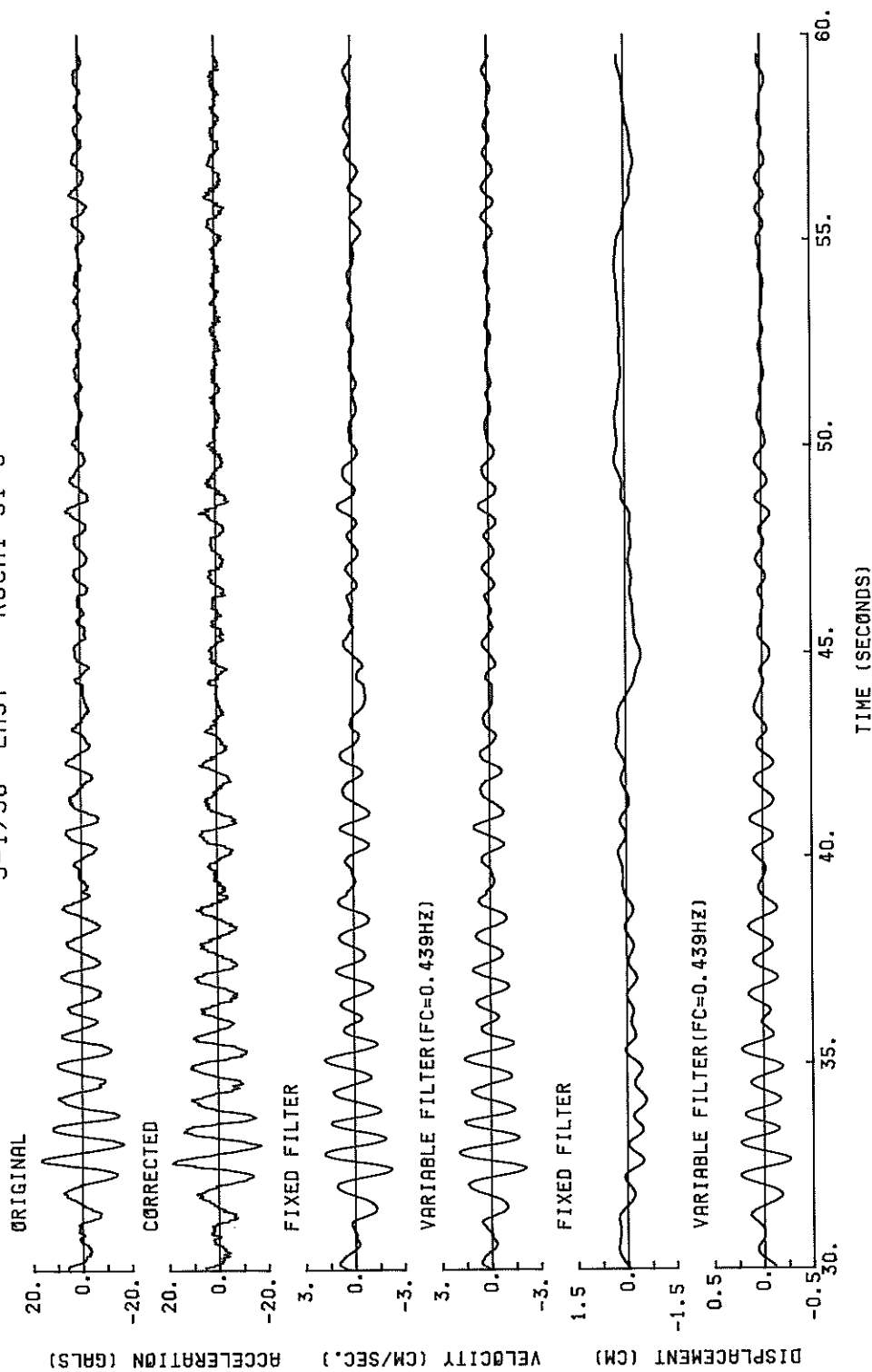
S-1730 SOUTH KOCHI-JI-S



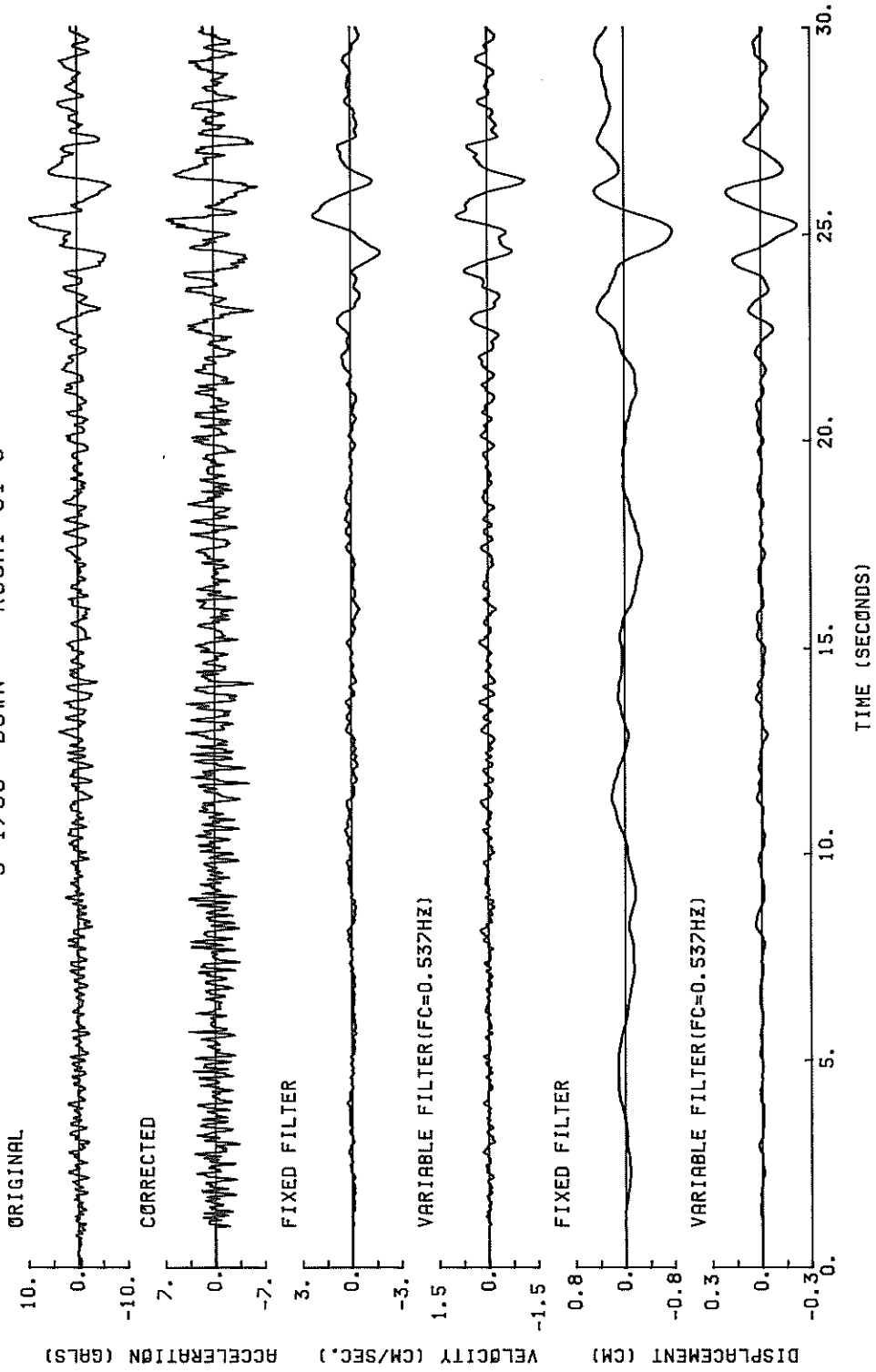
S-1730 EAST KOCHI-JI-S



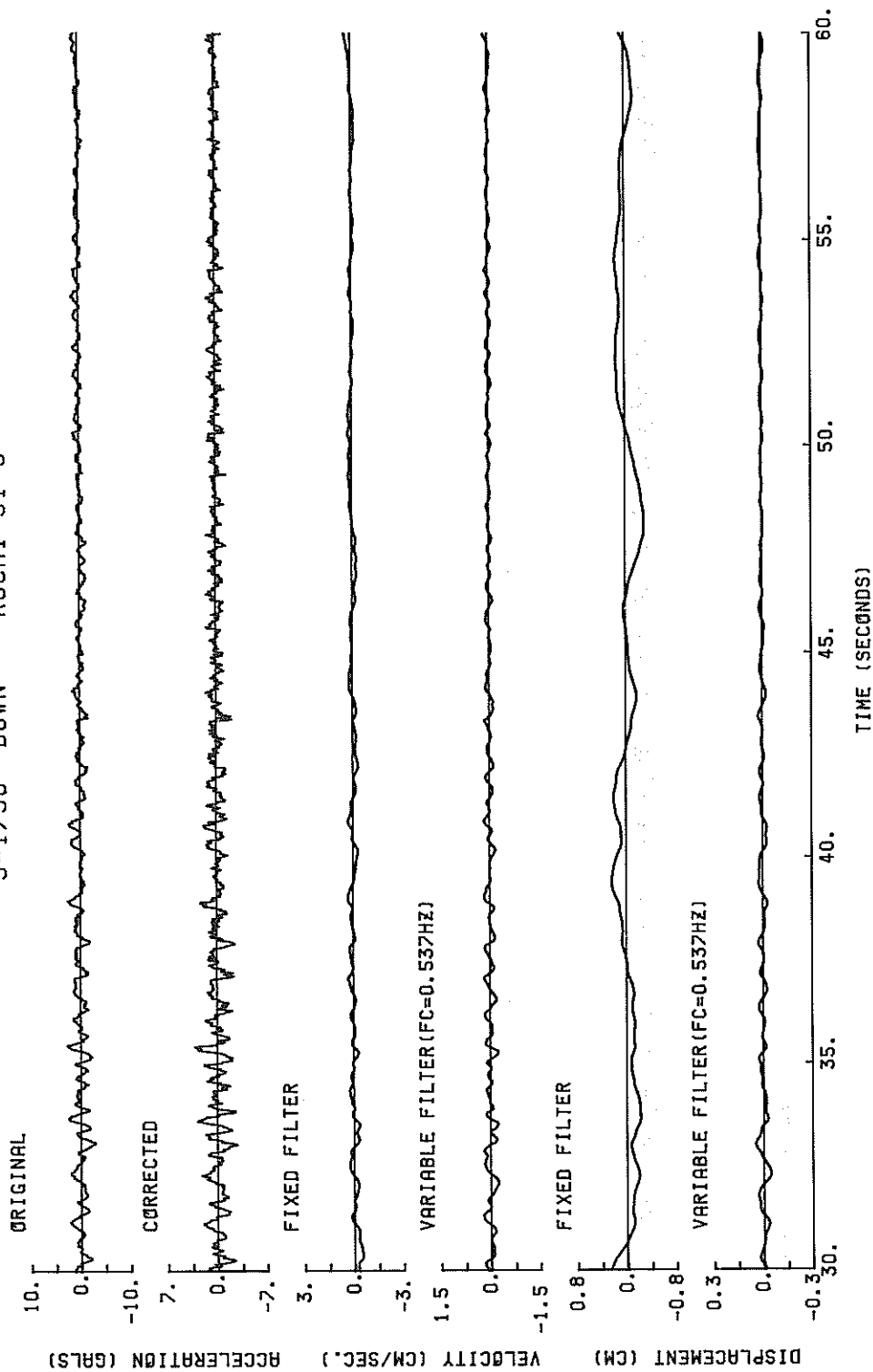
S-1730 EAST KOCHI-JI-S



S-1730 DOWN KOCHI-JI-S

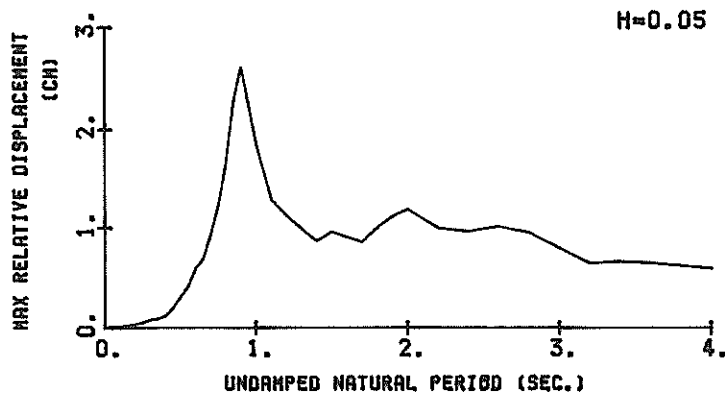
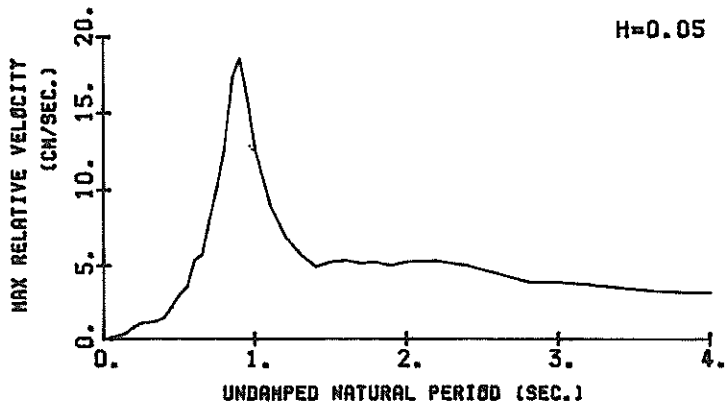
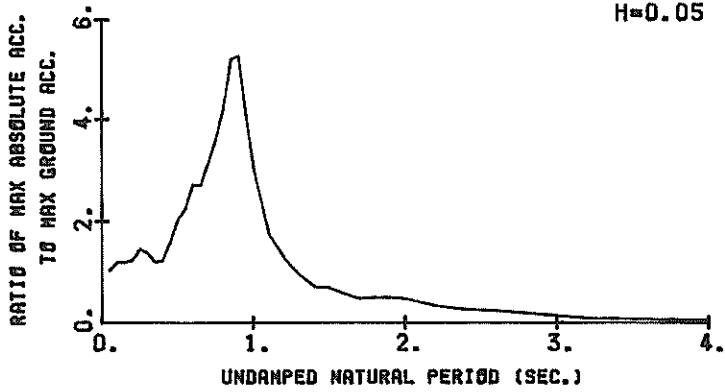


S-1730 DOWN KOCHI-JI-S



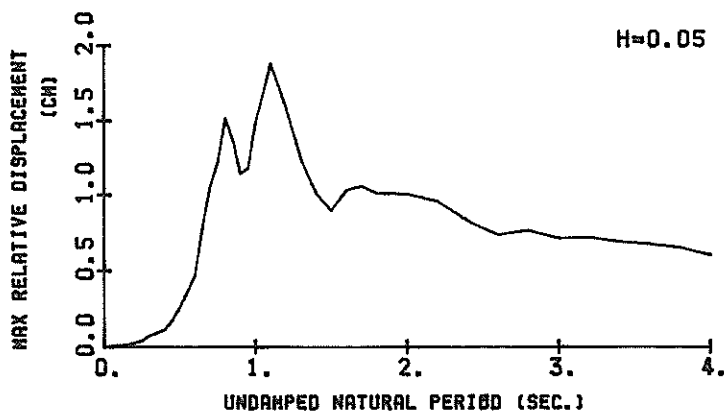
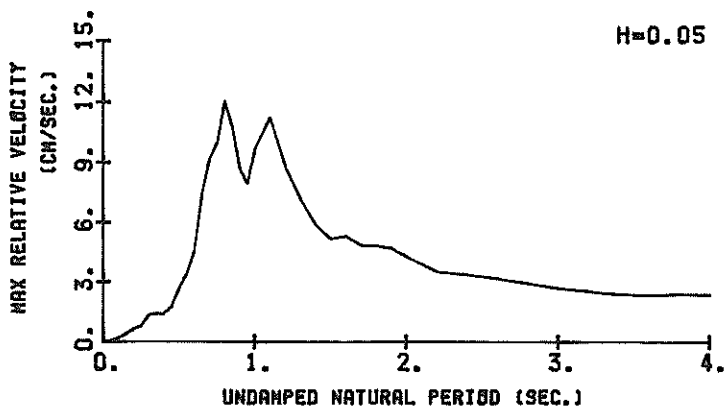
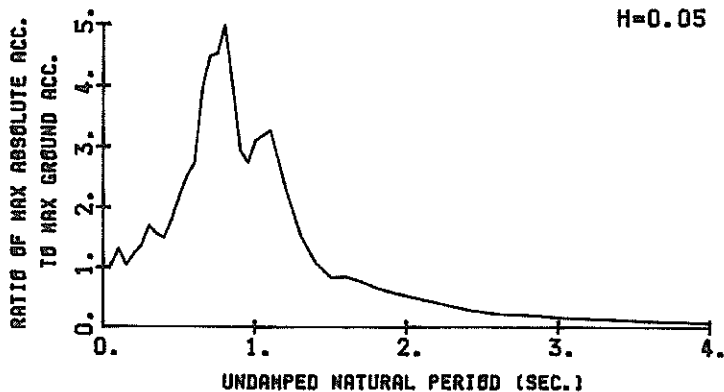


S-1730 SOUTH KŌCHI-JI-S  
(1/FC=2.16 SEC.)



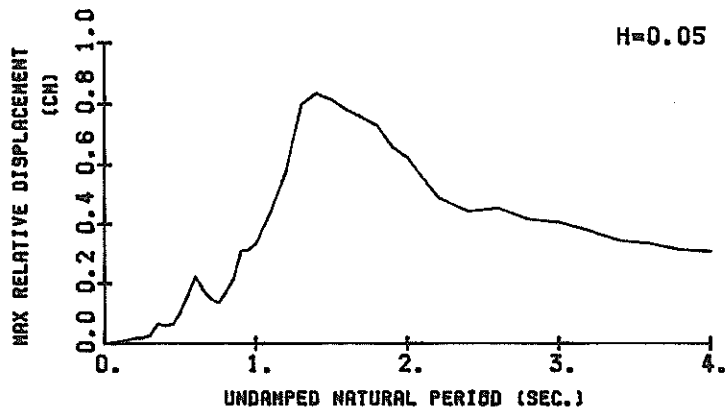
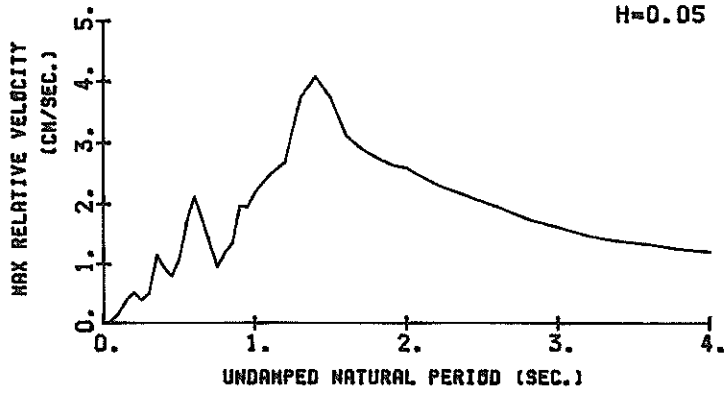
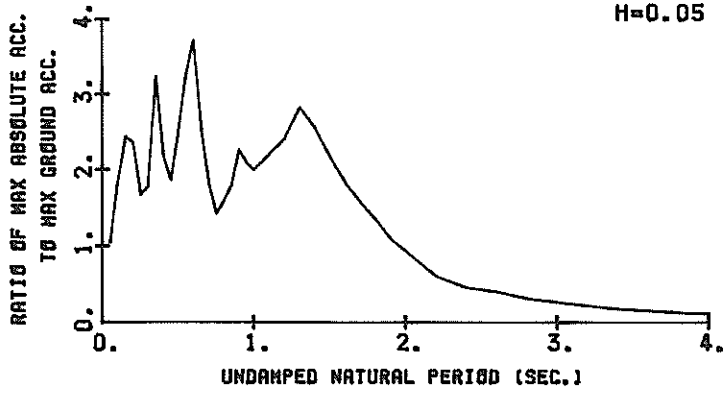
RESPONSE SPECTRA

S-1730 EAST KŌCHI-JI-S  
(1/FC=2.28 SEC.)



RESPONSE SPECTRA

S-1730 DOWN KOCHI-JI-S  
(1/FC=1.86 SEC.)



RESPONSE SPECTRA

RESPONSE SPECTRUM

RECORD = S-1730 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = STATION = KOCHI-JI-S  
 DATE AND TIME = 1984-08-07-04-06 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 24.26 (GAL)  
 TIME LENGTH = 59.49 (SEC) SKIPPED LENGTH = 0.00 (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	AA	RV	RD	
0.05	33.2	0.17	0.002	25.5	0.04	0.002	25.2	0.03	0.002	25.2	0.03	0.002	24.8	0.02	0.002	
0.10	76.2	1.16	0.019	33.3	0.25	0.008	29.0	0.20	0.007	25.8	0.14	0.007	24.1	0.09	0.006	
0.15	123.5	2.85	0.070	31.3	0.50	0.018	29.3	0.39	0.017	27.6	0.29	0.016	26.0	0.18	0.015	
0.20	148.3	4.08	0.049	34.7	1.04	0.035	30.4	0.82	0.031	30.0	0.56	0.030	27.7	0.31	0.027	
0.25	127.7	4.86	0.202	46.8	1.55	0.071	35.4	1.07	0.056	30.8	0.68	0.049	28.4	0.45	0.044	
0.30	107.9	5.02	0.266	38.1	1.47	0.087	33.5	1.13	0.076	31.0	0.94	0.070	28.7	0.63	0.037	
0.35	54.8	2.64	0.170	30.8	1.40	0.096	29.1	1.20	0.090	30.0	1.13	0.092	29.0	0.87	0.037	
0.40	55.4	3.17	0.224	32.9	1.41	0.133	30.1	1.46	0.122	30.6	1.45	0.123	29.6	1.16	0.115	
0.45	46.1	2.88	0.237	42.8	2.45	0.220	39.0	2.20	0.199	35.1	1.97	0.179	30.5	1.48	0.148	
0.50	89.6	6.52	0.567	57.3	3.63	0.363	48.9	3.00	0.309	42.1	2.52	0.264	33.5	1.78	0.205	
0.55	75.1	6.38	0.575	57.2	3.85	0.438	54.7	3.58	0.418	48.2	3.06	0.366	37.0	2.11	0.269	
0.60	174.2	16.58	1.589	84.4	6.94	0.768	65.7	5.31	0.597	51.7	4.06	0.466	39.4	2.61	0.338	
0.65	199.3	20.45	2.135	68.0	5.81	0.706	65.7	5.70	0.700	56.7	4.79	0.599	40.9	3.16	0.408	
0.70	220.0	24.56	2.730	95.7	10.38	1.186	75.6	8.01	0.934	60.6	5.70	0.741	42.2	3.69	0.484	
0.75	205.0	24.41	2.920	103.7	12.30	1.476	87.4	10.23	1.240	65.2	7.28	0.913	43.9	4.21	0.570	
0.80	284.4	36.17	4.611	119.6	15.34	1.935	101.5	12.62	1.637	73.8	9.13	1.175	44.5	4.71	0.650	
0.85	239.5	32.40	4.382	173.6	23.79	3.174	126.2	17.35	2.297	82.4	10.82	1.479	43.7	5.16	0.717	
0.90	319.3	46.31	6.562	179.8	26.44	3.683	127.9	18.56	2.611	80.7	11.71	1.622	41.6	5.46	0.758	
0.95	233.5	35.57	5.338	118.1	19.20	2.696	97.6	15.82	2.218	69.8	11.12	1.562	38.6	5.58	0.774	
1.00	119.9	19.52	3.038	85.1	14.63	2.154	73.6	12.83	1.854	56.5	9.85	1.399	34.9	5.55	0.769	
1.10	57.9	11.83	1.773	48.5	10.15	1.484	42.7	9.06	1.298	34.7	7.51	1.032	27.5	5.15	0.716	
1.20	38.1	8.63	1.391	35.1	7.66	1.278	31.3	6.94	1.132	25.9	5.99	0.920	21.6	4.68	0.656	
1.30	29.7	6.93	1.273	26.3	6.33	1.124	23.4	5.74	0.995	20.3	4.96	0.846	17.8	4.37	0.659	
1.40	20.3	5.19	1.009	17.8	5.00	0.884	17.7	4.92	0.868	16.5	4.66	0.846	15.4	4.22	0.616	
1.50	28.3	7.25	1.611	19.1	5.54	1.085	17.1	5.25	0.965	15.0	4.85	0.819	14.0	4.14	0.627	
1.60	21.4	6.82	1.386	15.3	5.75	0.988	14.3	5.38	0.913	12.8	4.91	0.794	13.0	4.08	0.653	
1.70	14.2	4.89	1.039	12.4	5.18	0.902	11.9	5.14	0.860	11.9	4.84	0.828	12.1	4.00	0.678	
1.80	15.5	6.06	1.274	13.2	5.59	1.082	12.4	5.23	1.006	11.6	4.73	0.903	11.3	3.92	0.698	
1.90	13.3	5.88	1.264	13.3	5.40	1.213	12.4	5.01	1.124	11.1	4.49	0.967	10.5	3.99	0.709	
2.00	16.7	6.52	1.693	13.5	5.68	1.368	11.9	5.24	1.194	10.3	4.75	0.989	9.7	4.05	0.709	
2.20	9.7	5.96	1.192	8.8	5.60	1.079	8.3	5.33	1.004	7.7	4.88	0.883	8.0	4.09	0.672	
2.40	7.7	5.51	1.126	7.2	5.22	1.046	6.8	5.00	0.968	6.2	4.65	0.858	6.6	4.02	0.649	
2.60	7.0	4.60	1.191	6.5	4.53	1.109	6.1	4.43	1.023	5.6	4.25	0.882	5.6	3.88	0.645	
2.80	5.8	4.45	1.159	5.3	4.13	1.043	5.0	3.90	0.962	4.7	3.80	0.846	5.1	3.71	0.631	
3.00	3.6	4.21	0.830	3.6	4.05	0.822	3.6	3.89	0.902	3.8	3.62	0.755	4.6	3.56	0.631	
3.20	2.8	3.95	0.735	2.7	3.83	0.691	2.6	3.73	0.553	3.0	3.55	0.654	4.1	3.43	0.606	
3.40	2.6	3.56	0.764	2.5	3.54	0.715	2.4	3.51	0.673	2.4	3.42	0.609	3.7	3.34	0.579	
3.60	2.2	3.28	0.734	2.1	3.31	0.695	2.1	3.32	0.662	2.1	3.31	0.609	3.3	3.28	0.556	
3.80	1.8	3.14	0.661	1.8	3.19	0.646	1.8	3.21	0.630	1.9	3.22	0.597	3.0	3.24	0.539	
4.00	1.5	3.16	0.593	1.5	3.16	0.605	1.6	3.16	0.601	1.7	3.16	0.562	2.8	3.21	0.526	

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

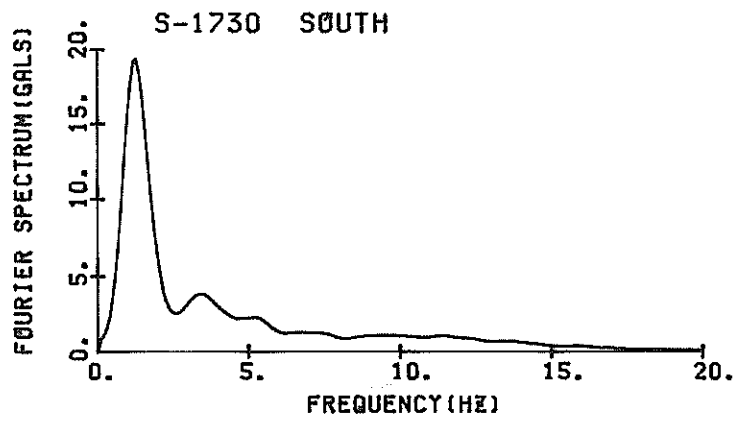
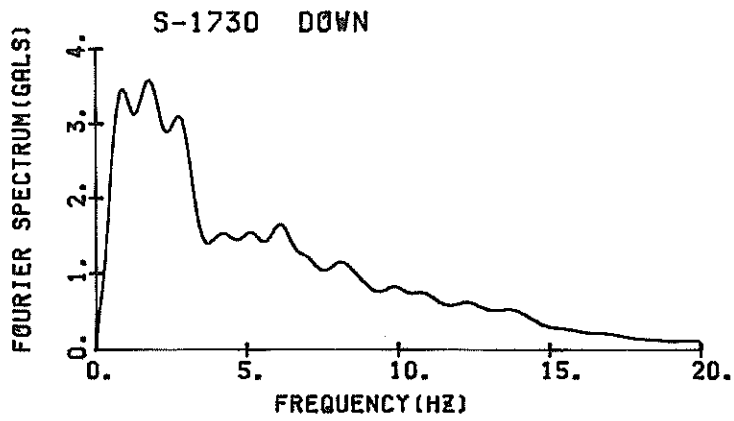
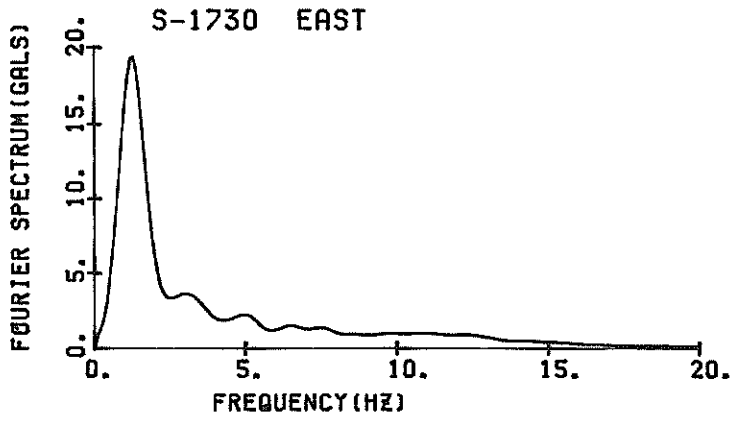
RESPONSE SPECTRUM

RECORD = S-1730  
 DATE AND TIME = 1984-08-07-04-06  
 TIME LENGTH = 59.49 (SEC)  
 COMPONENT = EAST  
 SAMPRING INTERVAL = 0.0100(SEC)  
 SKIPPED LENGTH = 0.00 (SEC)  
 SIGNAL = GR. ACC.  
 CORRECTION = 18.94 (GAL)  
 STATION = KOCHI-JI-S  
 MAX.GROUND ACC. = 0.250

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	37.2	0.22	0.002	19.8	0.03	0.001	19.6	0.03	0.001	19.4	0.03	0.001	19.0	0.02	0.001
0.10	51.1	0.76	0.013	24.0	0.21	0.006	25.0	0.18	0.006	24.3	0.15	0.006	21.8	0.09	0.005
0.15	99.7	2.18	0.057	23.6	0.53	0.013	19.5	0.40	0.011	19.7	0.30	0.011	20.8	0.17	0.011
0.20	111.1	3.40	0.113	30.3	0.87	0.031	23.2	0.63	0.023	20.4	0.43	0.021	20.7	0.24	0.021
0.25	54.0	1.81	0.086	28.7	0.94	0.045	26.0	0.77	0.041	23.1	0.55	0.036	22.0	0.36	0.034
0.30	71.9	3.36	0.164	37.4	1.61	0.085	32.3	1.32	0.073	26.0	0.98	0.059	23.2	0.56	0.051
0.35	101.9	5.43	0.316	37.7	1.85	0.117	29.5	1.41	0.091	27.1	1.02	0.083	24.8	0.66	0.074
0.40	136.6	9.46	0.553	37.1	2.08	0.150	28.1	1.39	0.114	28.5	1.14	0.115	26.4	0.85	0.102
0.45	45.5	2.91	0.234	38.0	2.10	0.195	34.3	1.77	0.175	31.7	1.55	0.161	27.9	1.13	0.135
0.50	130.8	9.78	0.829	48.1	3.08	0.305	41.3	2.64	0.261	35.9	2.18	0.225	29.3	1.46	0.174
0.55	74.9	6.42	0.574	51.8	3.85	0.397	47.7	3.43	0.364	39.7	2.74	0.300	30.2	1.83	0.215
0.60	148.7	14.06	1.356	57.9	5.16	0.527	51.7	4.51	0.470	45.0	3.69	0.404	31.3	2.28	0.264
0.65	193.9	19.92	2.075	97.9	9.67	1.046	74.8	7.37	0.797	55.3	5.17	0.581	32.6	2.80	0.320
0.70	297.5	32.62	3.697	117.5	12.69	1.856	84.7	9.08	1.046	59.6	6.22	0.725	33.2	3.35	0.375
0.75	185.9	22.31	2.649	115.2	13.53	1.840	85.7	10.00	1.216	58.9	6.95	0.822	33.1	3.53	0.423
0.80	324.3	41.32	5.258	142.4	18.41	2.508	94.4	12.06	1.521	58.4	7.74	0.926	32.0	3.67	0.459
0.85	173.6	23.84	3.214	96.0	13.71	1.755	74.8	10.71	1.360	52.5	7.45	0.939	29.9	3.88	0.479
0.90	143.0	20.71	2.933	70.5	10.88	1.443	55.8	8.72	1.133	43.9	6.75	0.880	27.4	3.95	0.494
0.95	137.8	21.29	3.149	67.1	10.26	1.532	51.7	7.93	1.175	37.9	6.22	0.852	25.3	3.90	0.502
1.00	149.6	24.76	3.791	70.7	11.89	1.789	58.6	9.65	1.477	42.0	6.65	1.043	23.6	3.79	0.541
1.10	108.0	18.79	3.310	81.6	14.51	2.697	61.8	11.25	1.834	62.4	7.63	1.273	23.4	3.77	0.633
1.20	86.1	17.42	3.140	49.9	10.05	1.818	43.9	8.83	1.392	34.4	6.83	1.223	21.1	3.78	0.662
1.30	48.8	10.75	2.087	33.5	7.81	1.430	29.2	7.19	1.242	24.9	6.10	1.036	17.8	3.88	0.640
1.40	33.6	7.71	1.670	21.8	6.18	1.082	20.5	5.90	1.012	18.9	5.35	0.913	15.2	3.79	0.641
1.50	19.9	5.42	1.135	15.5	5.15	0.879	15.9	5.16	0.897	15.7	4.86	0.867	13.3	3.63	0.634
1.60	29.1	7.97	1.887	17.7	5.96	1.148	16.1	5.30	1.033	14.2	4.59	0.889	11.7	3.44	0.622
1.70	16.6	5.91	1.212	15.9	5.27	1.159	14.6	4.85	1.040	12.6	4.26	0.888	10.2	3.21	0.602
1.80	17.9	5.98	1.667	14.1	5.22	1.555	12.5	4.84	1.014	10.6	4.26	0.839	8.9	3.17	0.610
1.90	13.7	5.45	1.253	12.2	5.08	1.117	11.1	4.70	1.010	9.8	4.15	0.865	8.3	3.11	0.625
2.00	11.5	4.80	1.171	10.7	4.54	1.084	10.0	4.30	1.003	9.0	3.88	0.876	7.6	3.03	0.630
2.20	12.3	5.44	1.504	8.5	3.96	1.034	7.9	3.55	0.959	7.2	3.28	0.843	6.3	2.80	0.623
2.40	7.2	4.52	1.136	5.9	3.66	0.864	5.8	3.38	0.830	5.5	3.12	0.761	5.3	2.55	0.595
2.60	6.2	3.50	1.055	5.0	3.27	0.826	4.4	3.17	0.737	4.3	2.98	0.686	4.4	2.47	0.556
2.80	4.7	3.11	0.938	4.2	3.03	0.826	3.9	2.95	0.767	3.8	2.81	0.697	3.9	2.42	0.569
3.00	3.1	2.65	0.704	3.2	2.69	0.715	3.2	2.69	0.717	3.3	2.63	0.685	3.5	2.36	0.575
3.20	3.2	3.07	0.836	3.0	2.64	0.763	2.9	2.55	0.725	2.9	2.49	0.677	3.2	2.29	0.576
3.40	2.4	2.62	0.700	2.4	2.50	0.703	2.4	2.39	0.697	2.5	2.35	0.663	2.9	2.23	0.572
3.60	2.2	2.54	0.732	2.2	2.40	0.681	2.2	2.35	0.673	2.2	2.25	0.645	2.7	2.16	0.565
3.80	2.0	2.68	0.725	1.9	2.49	0.680	1.8	2.39	0.654	1.9	2.28	0.622	2.5	2.12	0.556
4.00	1.4	2.44	0.583	1.5	2.41	0.600	1.5	2.36	0.603	1.7	2.29	0.593	2.3	2.13	0.546

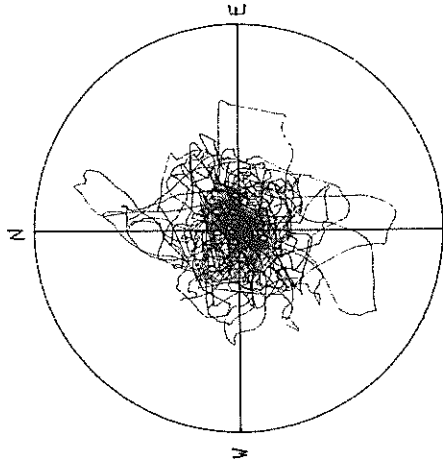
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)





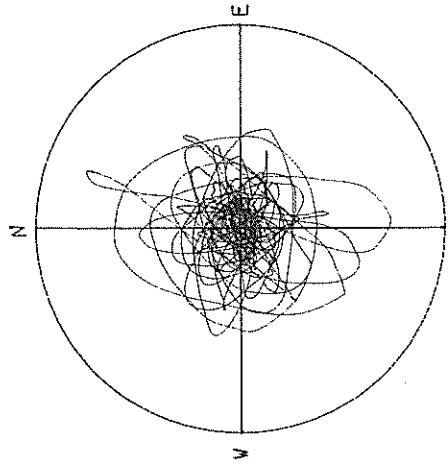
FOURIER SPECTRA

S-1730 KŌCHI-JI-S



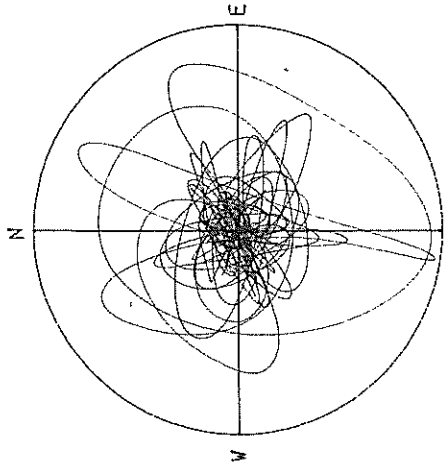
ACCELERATION  
R=30.0 GAL  
MAX=25.1 GAL

S-1730 KŌCHI-JI-S



VELOCITY  
R=4.0 CM/SEC.  
MAX=3.2 CM/SEC.

S-1730 KŌCHI-JI-S



DISPLACEMENT  
R=0.50 CM  
MAX=0.49 CM



RECORD NUMBER S-1731  
 STATION MATSUYAMA-S

EARTHQUAKE DATA

\*\*\*\*\*

DATA AND TIME 04:06 AUGUST 7, 1984  
 LOCATION OF HYPOCENTER  
 EPICENTRAL REGION SE OFF KYUSHU  
 LATITUDE 32°23' N  
 LONGITUDE 132°09' E  
 DEPTH 33 KM  
 MAGNITUDE 7.1

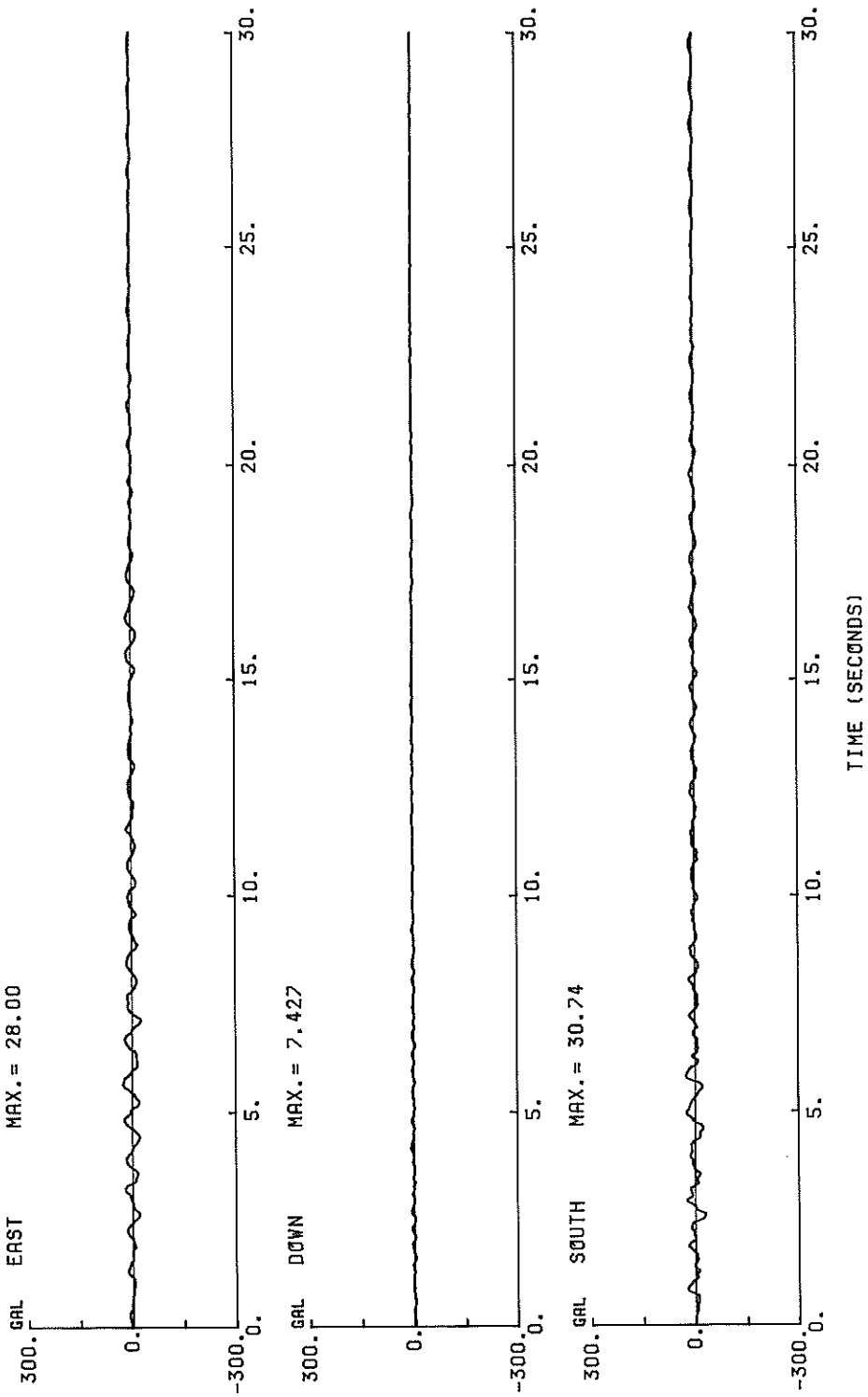
\*\*\*\*\*

PEAK VALUES OF COMPONENTS

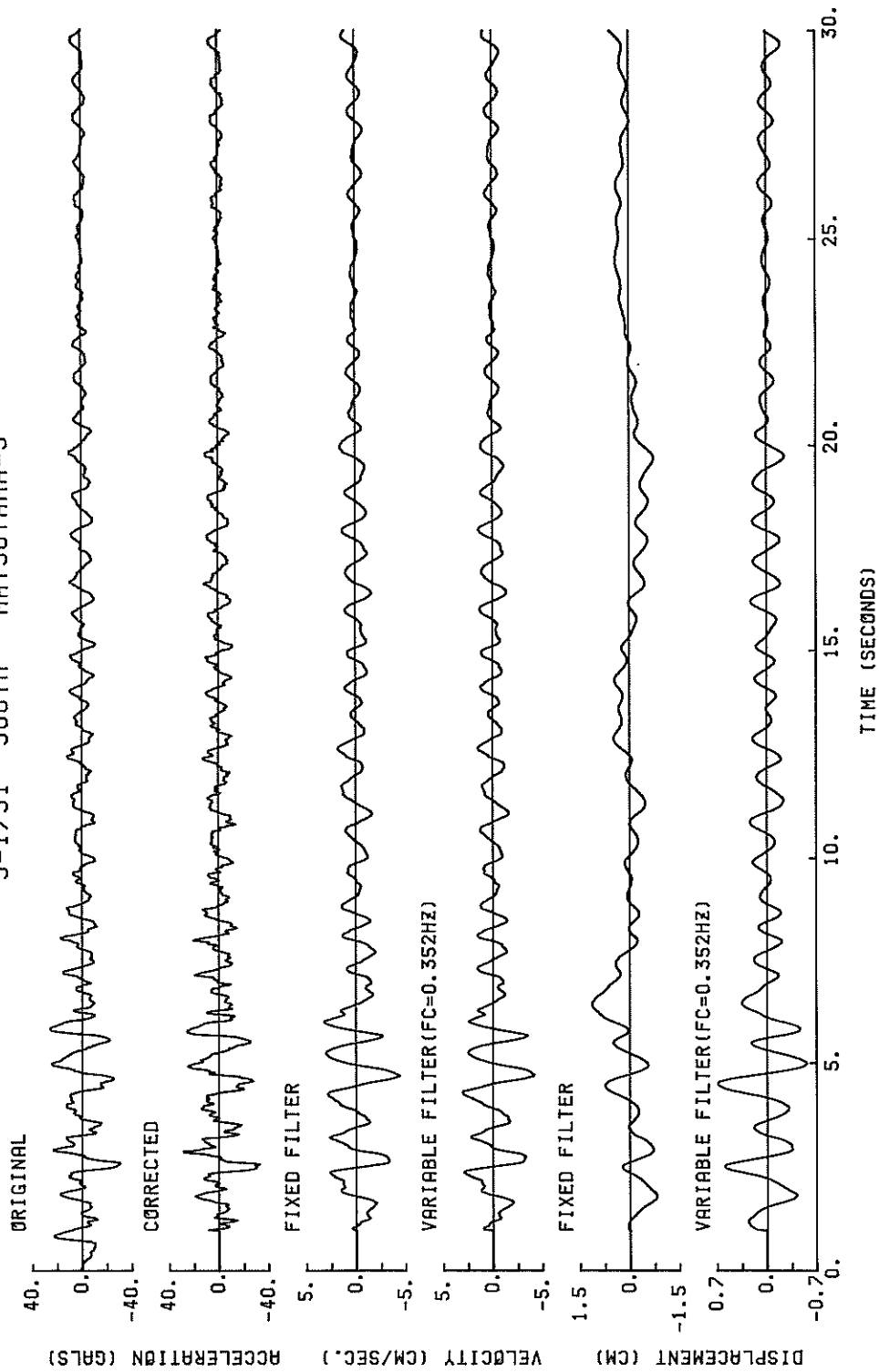
	N S	E W	U D	HORIZONTAL*
PARAMETER OF THE VARIABLE FILTER				
FC (HZ)	0.352	0.364	0.559	
MAXIMUM ACCELERATION (GAL)				
ORIGINAL	30.7	28.0	7.4	36.8
CORRECTED	32.8	29.5	7.8	38.7
MAXIMUM VELOCITY (CM/SEC)				
FIXED FILTER	4.40	4.30	0.81	5.09
VARIABLE FILTER	4.17	3.33	0.57	4.75
MAXIMUM DISPLACEMENT (CM)				
FIXED FILTER	1.138	0.992	0.728	1.166
VARIABLE FILTER	0.686	0.645	0.106	0.836

\* RESULTANT OF HORIZONTAL COMPONENTS

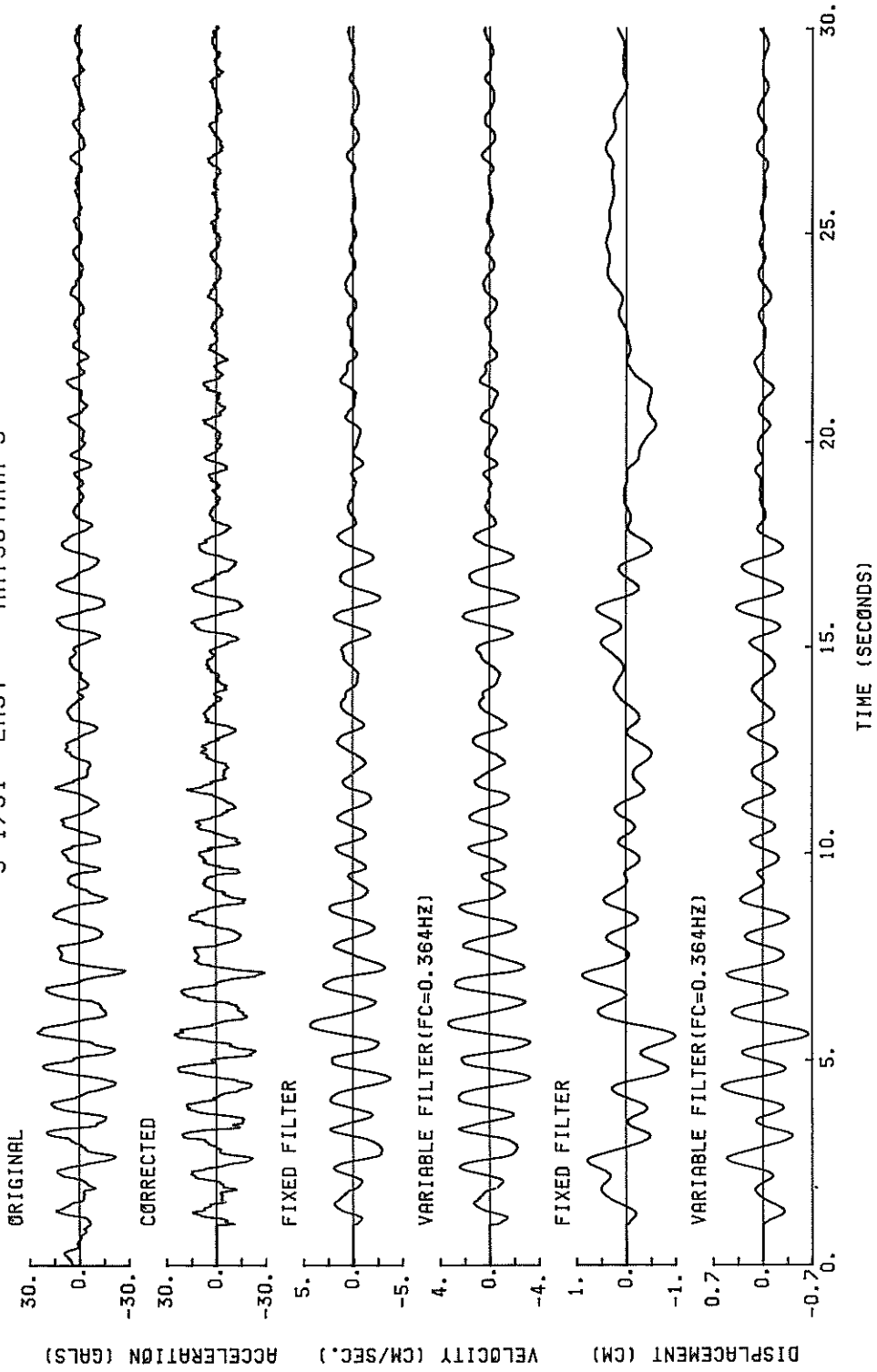
S-1731 MATSUYAMA-S



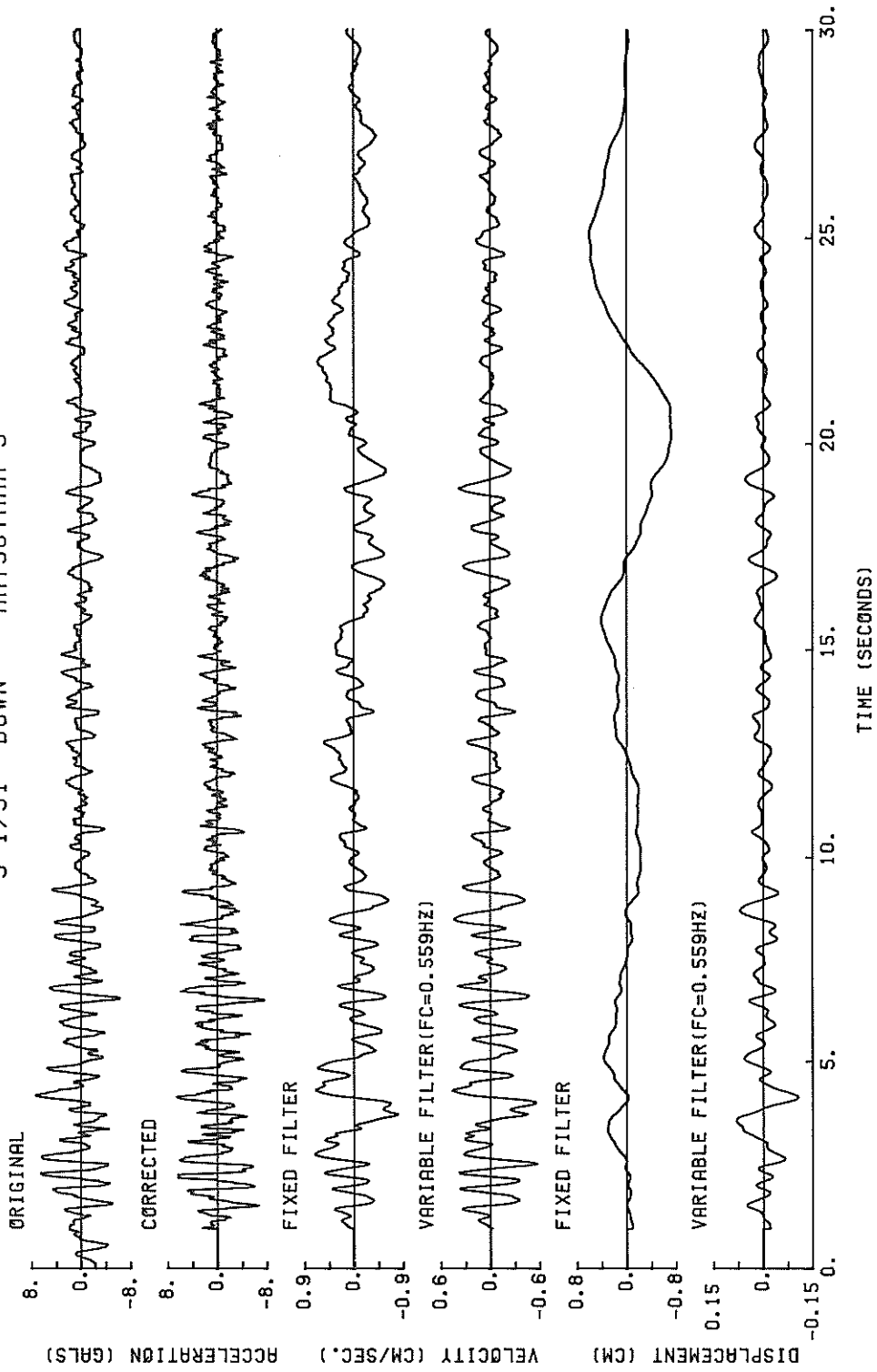
S-1731 SOUTH MATSUYAMA--S



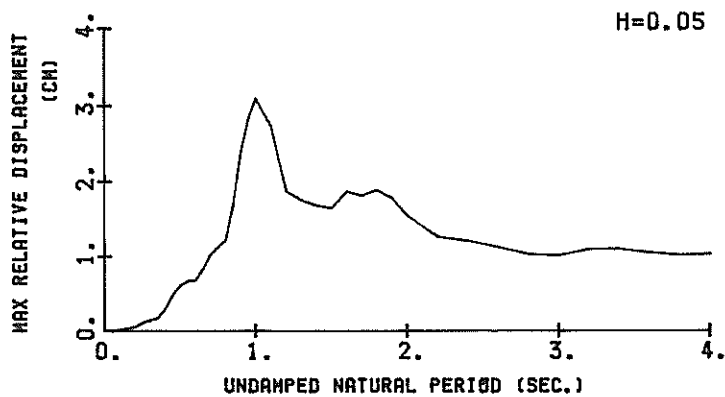
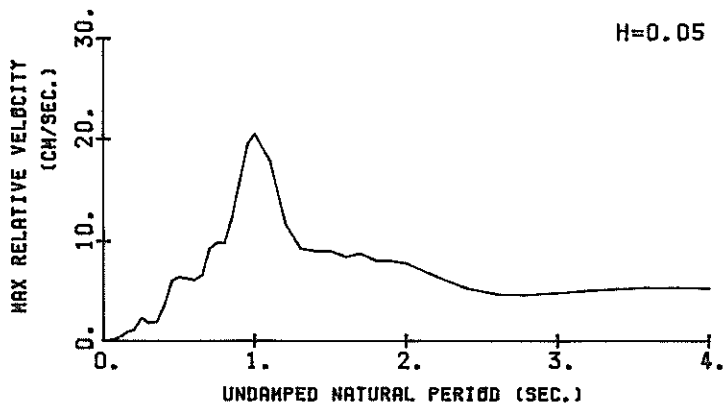
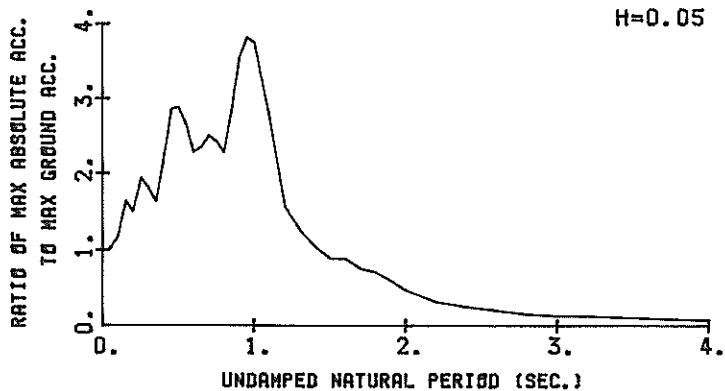
S-1731 EAST MATSUYAMA-S



S-1731 DOWN MATSUYAMA-S

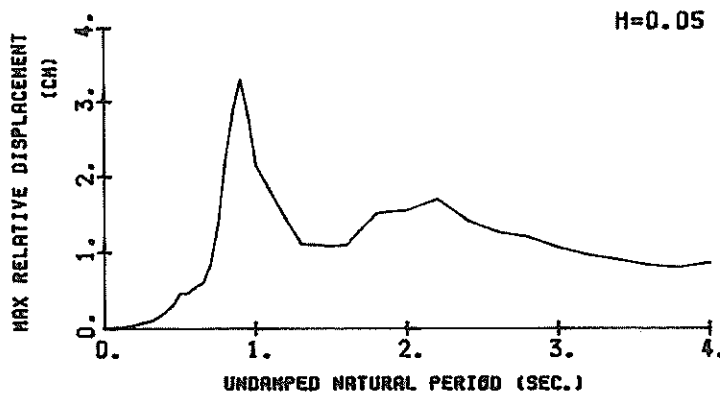
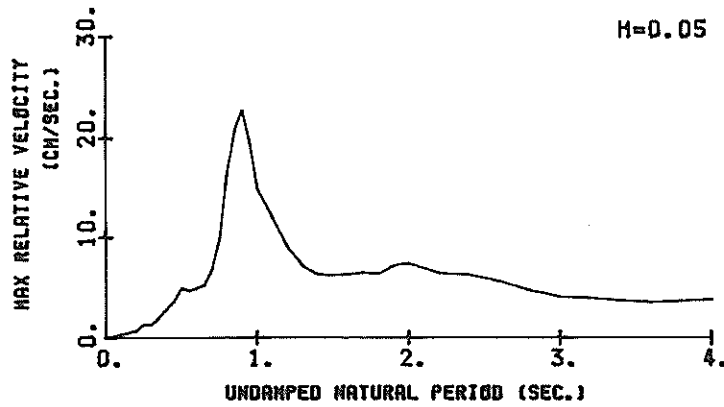
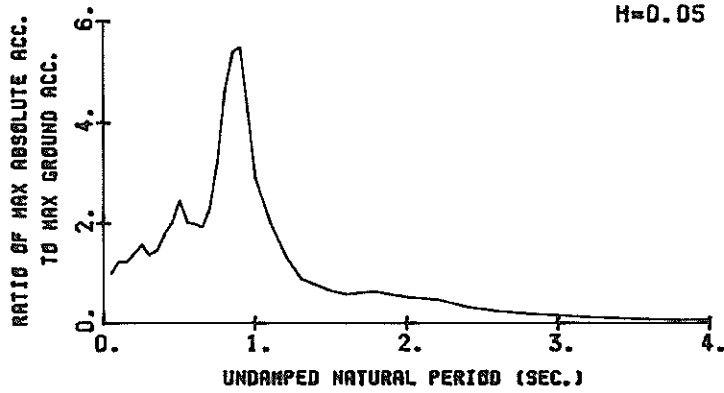


S-1731 SOUTH MATSUYAMA-S  
(1/FC=2.84 SEC.)



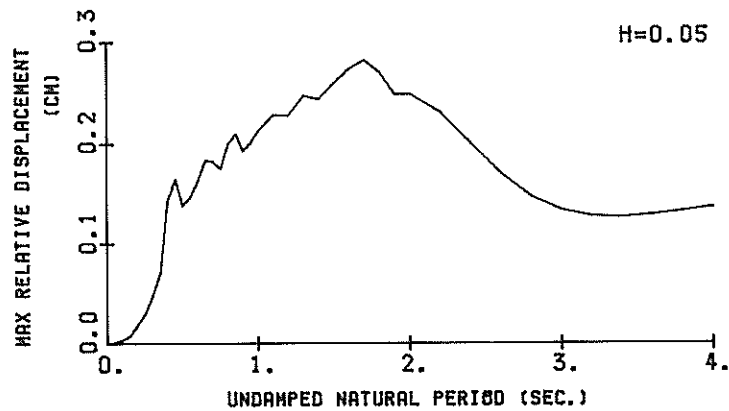
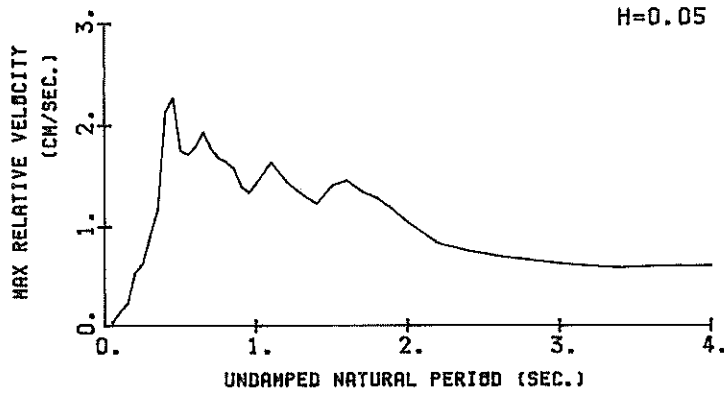
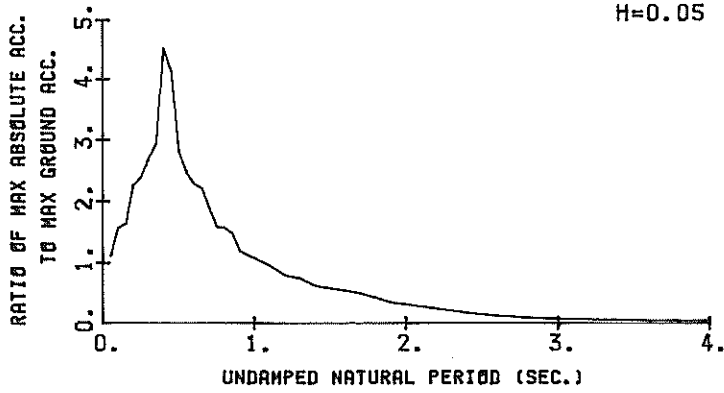
RESPONSE SPECTRA

S-1731 EAST MATSUYAMA-S  
(1/FC=2.75 SEC.)



RESPONSE SPECTRA

S-1731 DOWN MATSUYAMA-S  
(1/FC=1.79 SEC.)



RESPONSE SPECTRA



RESPONSE SPECTRUM

RECORD = S-1731      COMPONENT = SOUTH      SIGNAL = GR. ACC.      CORRECTION =      STATION = MATSUYAMA-S  
 DATE AND TIME = 1984-08-07-04-06      SAMPRING INTERVAL = 0.0100(SEC)      MAX.GROUND ACC. = 32.81 (GAL)  
 TIME LENGTH = 29.99 (SEC)      SKIPPED LENGTH = 0.00 (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	45.1	0.16	0.003	33.2	0.09	0.002	33.6	0.09	0.002	34.0	0.07	0.002	33.9	0.06	0.002
0.10	76.5	1.00	0.019	39.9	0.40	0.010	38.3	0.33	0.010	36.8	0.28	0.009	34.8	0.24	0.009
0.15	136.5	3.19	0.078	64.1	1.17	0.036	63.7	0.84	0.031	45.8	0.60	0.026	37.7	0.43	0.021
0.20	118.5	0.120	0.220	55.1	1.22	0.056	49.2	1.09	0.050	45.0	0.89	0.045	40.0	0.61	0.039
0.25	184.3	7.00	0.292	85.7	3.19	0.136	63.7	2.33	0.101	51.3	1.47	0.080	42.9	0.93	0.065
0.30	98.7	4.42	0.225	64.1	2.15	0.146	59.5	1.82	0.135	53.2	1.59	0.120	44.5	1.28	0.097
0.35	71.4	2.96	0.222	48.7	1.97	0.151	53.2	1.93	0.164	53.4	1.92	0.164	46.1	1.65	0.138
0.40	92.1	4.58	0.373	78.9	3.85	0.319	70.7	3.46	0.286	61.5	2.97	0.247	49.9	2.08	0.193
0.45	226.3	16.05	1.161	107.9	7.24	0.552	93.6	6.02	0.478	75.2	4.44	0.380	52.7	2.48	0.252
0.50	268.1	21.03	1.698	123.7	9.71	0.782	93.6	6.51	0.596	71.8	4.84	0.448	51.6	2.80	0.252
0.55	115.9	9.96	0.838	97.7	7.49	0.749	86.7	6.31	0.661	70.1	4.89	0.528	47.8	3.03	0.328
0.60	102.7	9.26	0.937	81.2	6.65	0.738	74.5	6.13	0.676	63.4	5.19	0.567	45.0	3.40	0.376
0.65	149.7	15.33	1.603	95.6	8.68	1.022	77.2	6.58	0.823	58.6	5.30	0.618	45.4	3.78	0.444
0.70	215.9	23.82	2.680	116.8	12.76	1.448	82.4	9.20	1.019	64.2	6.91	0.784	46.4	4.35	0.524
0.75	278.0	33.11	3.962	101.6	11.80	1.446	79.4	9.83	1.126	67.9	7.90	0.951	47.1	4.98	0.606
0.80	117.5	14.62	1.905	73.2	9.77	1.186	74.4	9.78	1.204	69.9	8.47	1.113	47.2	5.58	0.683
0.85	121.4	16.71	2.221	102.5	14.34	1.874	93.2	12.39	1.696	76.9	9.72	1.378	46.3	6.11	0.744
0.90	319.9	45.39	6.583	142.4	19.62	2.917	116.3	15.99	2.374	83.3	11.98	1.671	45.8	6.48	0.868
0.95	300.7	45.96	6.873	161.9	24.52	3.697	125.4	19.57	2.851	84.6	13.51	1.895	46.3	6.63	0.932
1.00	263.7	42.97	5.679	155.6	26.29	3.938	123.0	20.52	3.096	84.6	13.73	2.088	45.1	6.54	0.977
1.10	165.7	29.66	5.079	110.8	22.01	3.392	89.9	17.86	2.739	64.7	12.76	1.939	38.0	6.67	1.010
1.20	74.2	16.38	2.705	60.6	13.78	2.206	51.8	11.82	1.877	42.5	9.86	1.512	31.4	6.58	0.988
1.30	53.4	11.57	2.287	46.8	10.33	2.001	41.4	9.29	1.763	33.9	7.64	1.410	26.2	6.26	0.961
1.40	41.3	11.04	2.080	37.0	9.99	1.831	34.3	9.03	1.686	30.2	7.57	1.448	23.9	5.98	0.992
1.50	38.5	12.29	2.181	32.5	10.56	1.836	29.2	9.07	1.648	28.9	7.55	1.423	21.4	5.78	0.992
1.60	41.2	11.00	2.674	34.1	9.50	2.205	29.1	8.43	1.869	22.9	7.28	1.437	18.9	5.81	1.000
1.70	39.7	11.49	2.906	28.3	9.95	2.065	25.0	8.79	1.812	21.0	7.23	1.477	17.6	5.74	1.042
1.80	32.3	10.18	2.647	26.3	8.95	2.152	23.4	8.07	1.898	19.7	6.83	1.545	16.3	5.61	1.063
1.90	25.6	9.77	2.344	21.8	8.84	1.990	19.7	8.11	1.784	17.1	7.04	1.490	14.9	5.45	1.058
2.00	26.1	9.87	2.645	16.9	8.40	1.707	15.5	7.84	1.550	14.2	6.96	1.357	13.5	5.50	1.034
2.20	12.0	6.71	1.466	11.0	6.64	1.338	10.6	6.52	1.271	10.1	6.24	1.153	11.0	5.42	0.959
2.40	9.1	4.94	1.329	8.8	5.17	1.270	8.5	5.32	1.215	8.3	5.45	1.115	9.1	5.23	0.892
2.60	7.1	4.42	1.220	6.0	4.53	1.174	6.8	4.73	1.131	6.3	4.99	1.051	7.8	5.05	0.857
2.80	6.8	4.43	1.333	5.4	4.52	1.063	5.4	4.65	1.032	5.6	4.85	0.972	6.9	4.95	0.847
3.00	7.1	4.75	1.625	4.6	4.79	1.055	4.5	4.83	1.004	4.7	4.90	0.940	6.2	4.91	0.867
3.20	5.2	5.16	1.358	4.5	5.11	1.166	4.6	5.07	1.095	4.6	5.02	0.992	5.7	4.90	0.843
3.40	4.4	5.47	1.275	4.1	5.36	1.183	3.9	5.27	1.108	3.9	5.14	0.996	5.2	4.90	0.829
3.60	3.6	5.63	1.197	3.4	5.49	1.178	3.3	5.38	1.053	3.4	5.21	0.953	4.7	4.90	0.827
3.80	2.9	5.65	1.063	2.9	5.52	1.038	2.9	5.40	1.013	3.0	5.22	0.968	4.3	4.89	0.850
4.00	2.3	5.57	1.120	2.6	5.45	1.056	2.6	5.35	1.033	2.8	5.18	0.988	3.9	4.87	0.872

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

RESPONSE SPECTRUM

RECORD = S-1731      COMPONENT = EAST      SIGNAL = GR. ACC.      CORRECTION = MAX.ROUND ACC. =      STATION = MATSUYAMA-S  
 DATE AND TIME = 1984-08-07-04-06      SAMPRING INTERVAL = 0.0100(SEC)      MAX.ROUND ACC. = 29.46 (GAL)  
 TIME LENGTH = 29.99 (SEC)      SKIPPED LENGTH = 0.00 (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	35.8	0.15	0.002	29.8	0.09	0.002	29.3	0.08	0.002	29.9	0.07	0.002	29.8	0.05	0.002					
0.10	62.7	0.74	0.016	41.1	0.35	0.013	36.3	0.28	0.009	32.8	0.22	0.008	30.6	0.15	0.008					
0.15	68.8	1.46	0.039	40.8	0.61	0.033	40.1	0.50	0.021	33.5	0.37	0.019	29.1	0.28	0.017					
0.20	74.8	1.60	0.076	43.5	0.74	0.044	40.6	0.67	0.041	37.9	0.62	0.038	32.2	0.43	0.032					
0.25	110.3	4.27	0.175	55.8	1.84	0.088	46.2	1.50	0.075	41.8	1.03	0.066	35.1	0.66	0.054					
0.30	59.5	2.01	0.136	47.4	1.49	0.108	39.9	1.25	0.090	36.6	1.21	0.083	35.0	0.91	0.077					
0.35	139.5	7.50	0.433	58.1	2.70	0.180	42.8	1.96	0.132	37.7	1.68	0.116	34.1	1.25	0.100					
0.40	104.1	6.30	0.422	59.1	3.12	0.240	51.9	2.75	0.210	43.3	2.31	0.173	32.5	1.60	0.125					
0.45	164.6	11.73	0.844	68.6	4.20	0.352	59.3	3.60	0.303	47.5	2.84	0.241	34.0	1.82	0.167					
0.50	173.0	13.21	1.095	95.0	7.03	0.601	72.5	4.91	0.457	52.1	3.59	0.325	35.7	1.95	0.214					
0.55	149.2	12.58	1.143	64.8	5.30	0.496	59.6	4.60	0.455	50.8	3.54	0.384	37.1	2.34	0.268					
0.60	106.9	10.08	0.975	69.5	5.76	0.633	58.3	4.87	0.534	47.8	3.93	0.431	40.4	2.78	0.346					
0.65	101.6	10.02	1.083	70.2	6.51	0.750	56.5	5.22	0.602	52.9	4.31	0.560	43.7	3.21	0.437					
0.70	142.1	15.68	1.764	79.4	7.94	0.986	67.4	6.71	0.833	53.1	5.52	0.772	47.0	3.84	0.542					
0.75	202.7	23.57	2.888	113.6	13.11	1.616	95.7	9.91	1.358	78.7	7.84	1.106	49.9	4.66	0.653					
0.80	247.6	29.92	4.013	176.9	21.26	2.862	136.9	16.26	2.203	95.1	10.83	1.515	51.3	5.40	0.754					
0.85	532.1	71.85	9.733	227.6	30.46	4.103	158.9	20.89	2.893	100.1	12.94	1.796	50.6	5.92	0.827					
0.90	436.7	62.96	3.960	242.2	35.09	4.966	161.6	22.80	3.298	99.4	13.43	1.997	47.8	6.13	0.864					
0.95	323.5	49.08	7.596	163.7	25.31	3.733	122.9	19.47	2.794	83.7	13.47	1.915	44.9	6.44	0.893					
1.00	294.9	46.68	7.470	130.1	20.95	3.291	85.5	14.92	2.152	68.7	12.20	1.701	40.5	6.68	0.888					
1.10	105.6	18.97	3.236	67.8	13.74	2.076	58.9	12.01	1.794	48.2	9.87	1.441	32.9	6.45	0.877					
1.20	55.0	11.47	2.007	64.9	9.90	1.634	39.7	9.02	1.436	33.8	7.88	1.198	27.5	5.83	0.846					
1.30	43.1	9.14	1.846	28.5	7.76	1.217	26.2	7.13	1.112	23.4	6.27	0.966	22.9	5.33	0.811					
1.40	25.4	6.99	1.261	23.9	6.67	1.183	22.5	6.52	1.107	20.5	5.85	0.967	19.6	5.04	0.788					
1.50	21.7	6.60	1.235	20.4	6.43	1.157	19.1	6.23	1.078	17.2	5.81	0.935	17.2	4.81	0.785					
1.60	29.1	8.80	1.885	18.5	6.62	1.198	17.1	6.28	1.099	16.4	5.73	1.021	16.4	4.68	0.815					
1.70	26.3	8.58	1.925	19.7	7.17	1.437	18.1	6.45	1.309	16.1	5.60	1.127	14.8	4.50	0.852					
1.80	24.9	8.09	2.041	21.3	6.94	1.741	18.6	6.34	1.514	15.5	5.66	1.212	13.8	4.49	0.876					
1.80	23.6	8.97	2.160	19.7	7.96	1.801	17.0	7.19	1.536	14.4	6.12	1.254	12.8	4.54	0.885					
2.00	21.1	9.41	2.140	17.4	8.31	1.758	15.5	7.46	1.550	13.1	6.27	1.264	11.7	4.54	0.877					
2.20	21.1	9.14	2.591	15.9	6.87	1.939	14.1	6.46	1.707	11.8	5.81	1.377	10.2	4.60	0.914					
2.40	15.3	7.46	2.236	10.7	6.81	1.561	9.3	6.29	1.418	8.8	5.54	1.208	8.7	4.55	0.882					
2.60	9.1	6.22	1.563	8.0	5.91	1.369	7.5	5.63	1.261	6.7	5.16	1.085	7.3	4.40	0.811					
2.80	7.0	4.75	1.395	6.5	4.76	1.283	6.1	4.73	1.196	5.7	4.61	1.050	6.1	4.22	0.765					
3.00	5.2	4.65	1.192	5.0	4.33	1.126	4.8	4.07	1.067	4.6	4.12	0.962	5.3	4.07	0.757					
3.20	4.0	4.34	1.044	3.9	4.33	1.004	3.8	3.96	0.967	3.9	3.80	0.899	4.7	3.94	0.739					
3.40	3.5	3.89	0.964	3.2	3.80	0.932	3.2	3.71	0.903	3.3	3.66	0.848	4.2	3.85	0.714					
3.60	2.7	3.78	0.876	2.6	3.62	0.853	2.6	3.51	0.831	2.8	3.64	0.789	3.9	3.80	0.681					
3.80	2.5	3.79	0.914	2.3	3.67	0.847	2.3	3.65	0.797	2.4	3.70	0.729	3.7	3.77	0.651					
4.00	2.5	3.96	1.015	2.3	3.84	0.932	2.2	3.82	0.866	2.3	3.79	0.773	3.4	3.77	0.652					

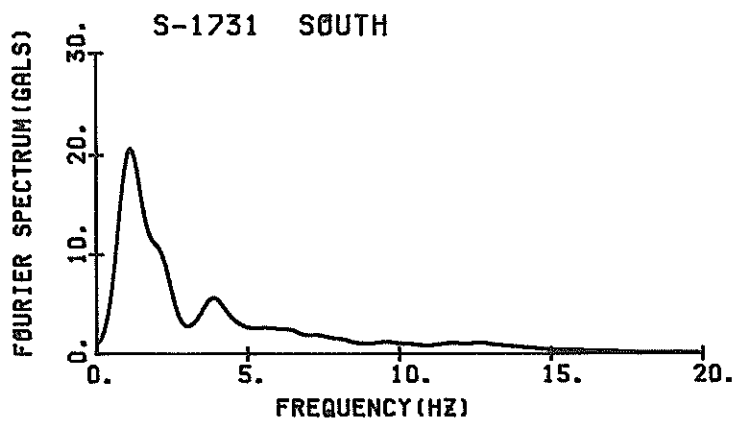
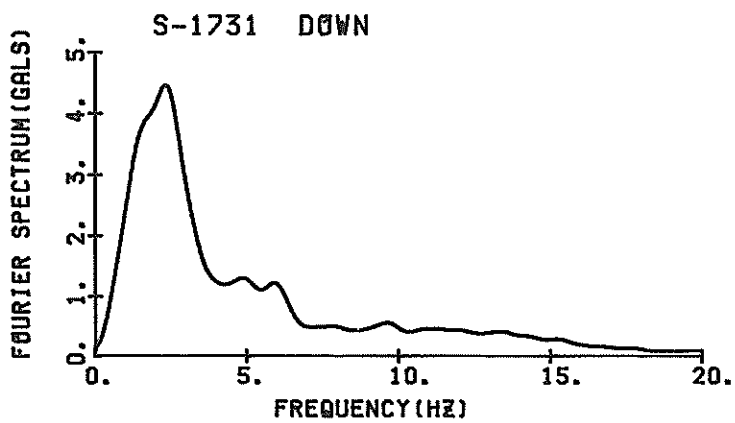
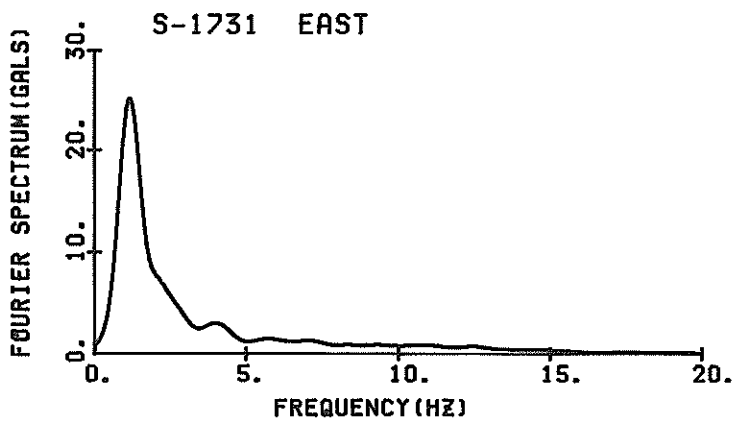
PER = PERIOD (SEC)      AA = ABSOLUTE ACC. (GAL)      RV = RELATIVE VELOCITY (CM/SEC)      RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1731 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = STATION = MATSUYAMA-S  
 DATE AND TIME = 1984-08-07-04-06 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 7.82 (GAL)  
 TIME LENGTH = 29.99 (SEC) SKIPPED LENGTH = 0.00 (SEC)

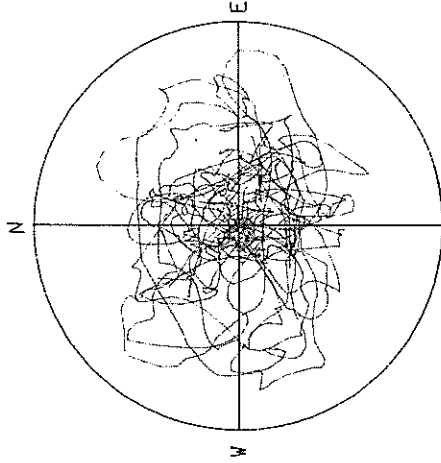
PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	17.6	0.10	0.001	9.0	0.03	0.001	8.7	0.03	0.001	8.2	0.03	0.001	8.2	0.02	0.001	8.2	0.02	0.001	0.601	
0.10	31.1	0.41	0.003	15.7	0.19	0.004	12.2	0.14	0.003	10.2	0.14	0.003	10.2	0.10	0.003	9.1	0.06	0.002	0.002	
0.15	27.9	0.66	0.016	14.9	0.22	0.009	12.7	0.23	0.007	11.5	0.19	0.006	9.1	0.19	0.006	9.1	0.21	0.005	0.005	
0.20	42.1	1.29	0.043	24.3	0.74	0.025	17.6	0.54	0.018	12.4	0.54	0.012	9.8	0.54	0.012	9.8	0.21	0.009	0.009	
0.25	32.6	1.28	0.052	21.9	0.78	0.035	18.6	0.63	0.030	14.7	0.63	0.023	10.3	0.63	0.023	10.3	0.30	0.015	0.015	
0.30	49.2	2.28	0.112	26.9	1.20	0.061	20.8	0.90	0.047	16.7	0.67	0.038	11.5	0.67	0.038	11.5	0.46	0.024	0.024	
0.35	85.4	4.73	0.265	32.4	1.75	0.100	22.9	1.18	0.071	20.0	0.92	0.061	13.3	0.92	0.061	13.3	0.60	0.038	0.038	
0.40	125.2	7.85	0.507	43.3	2.68	0.176	35.4	2.12	0.143	25.5	1.51	0.102	15.9	1.51	0.102	15.9	0.78	0.051	0.051	
0.45	107.4	7.66	0.551	39.6	2.89	0.203	32.3	2.28	0.165	23.1	1.64	0.116	12.5	1.64	0.116	12.5	0.84	0.057	0.057	
0.50	36.4	6.85	0.547	33.0	2.63	0.209	22.0	1.76	0.138	15.8	1.36	0.098	10.2	1.36	0.098	10.2	0.80	0.056	0.056	
0.55	35.8	3.15	0.274	22.8	2.08	0.175	19.3	1.72	0.147	13.3	1.20	0.100	8.7	1.20	0.100	8.7	0.78	0.058	0.058	
0.60	53.8	5.17	0.490	23.8	2.30	0.217	17.9	1.79	0.162	12.5	1.29	0.111	7.9	1.29	0.111	7.9	0.72	0.061	0.061	
0.65	53.9	5.54	0.576	25.4	2.72	0.272	17.3	1.94	0.184	11.6	1.28	0.121	7.3	1.28	0.121	7.3	0.77	0.065	0.065	
0.70	57.7	6.42	0.717	19.9	2.44	0.247	14.8	1.78	0.183	10.4	1.58	0.126	6.5	1.58	0.126	6.5	0.81	0.072	0.072	
0.75	21.5	2.68	0.306	15.6	2.03	0.221	12.3	1.58	0.174	9.4	1.59	0.130	6.4	1.59	0.130	6.4	0.81	0.081	0.081	
0.80	33.7	4.42	0.547	16.1	2.09	0.261	12.4	1.65	0.199	9.5	1.20	0.150	6.3	1.20	0.150	6.3	0.78	0.089	0.089	
0.85	38.8	5.30	0.710	14.3	1.93	0.262	11.5	1.59	0.210	8.3	1.18	0.157	6.0	1.18	0.157	6.0	0.75	0.093	0.093	
0.90	16.4	2.44	0.336	10.8	1.64	0.222	9.4	1.40	0.192	7.4	1.15	0.143	5.5	1.15	0.143	5.5	0.80	0.097	0.097	
0.95	12.9	2.24	0.296	11.1	1.66	0.253	8.8	1.34	0.201	6.8	1.09	0.150	5.3	1.09	0.150	5.3	0.83	0.105	0.105	
1.00	17.4	2.83	0.440	10.0	1.62	0.252	8.4	1.43	0.212	6.6	1.20	0.161	5.2	1.20	0.161	5.2	0.85	0.114	0.114	
1.10	9.6	2.11	0.294	8.4	1.85	0.257	7.5	1.64	0.228	6.3	1.35	0.189	5.0	1.35	0.189	5.0	0.89	0.128	0.128	
1.20	14.9	2.92	0.542	6.7	1.55	0.245	6.3	1.45	0.223	5.6	1.27	0.198	4.6	1.27	0.198	4.6	0.89	0.137	0.137	
1.30	10.3	2.20	0.439	7.5	1.64	0.320	5.8	1.33	0.248	4.8	1.14	0.203	4.1	1.14	0.203	4.1	0.87	0.142	0.142	
1.40	9.2	2.23	0.459	5.6	1.43	0.277	5.0	1.23	0.244	4.4	1.14	0.213	3.6	1.14	0.213	3.6	0.91	0.145	0.145	
1.50	6.8	1.98	0.390	5.3	1.65	0.300	4.6	1.41	0.261	4.0	1.18	0.221	3.1	1.18	0.221	3.1	0.93	0.147	0.147	
1.60	6.2	2.08	0.402	4.9	1.72	0.320	4.3	1.47	0.274	3.5	1.21	0.220	2.7	1.21	0.220	2.7	0.94	0.145	0.145	
1.70	7.6	2.17	0.557	4.8	1.44	0.349	3.9	1.35	0.283	3.0	1.21	0.208	2.3	1.21	0.208	2.3	0.93	0.139	0.139	
1.80	7.0	2.11	0.570	4.5	1.46	0.353	3.4	1.29	0.271	2.6	1.16	0.204	2.0	1.16	0.204	2.0	0.91	0.144	0.144	
1.90	4.8	1.74	0.442	3.6	1.38	0.326	2.8	1.18	0.250	2.5	1.09	0.214	2.0	1.09	0.214	2.0	0.89	0.151	0.151	
2.00	4.2	1.41	0.427	2.8	1.08	0.246	2.5	1.05	0.250	2.3	1.01	0.218	1.9	1.01	0.218	1.9	0.86	0.156	0.156	
2.20	2.1	0.91	0.240	2.0	0.87	0.246	1.9	0.84	0.232	1.8	0.83	0.209	1.7	0.83	0.209	1.7	0.80	0.159	0.159	
2.40	1.5	0.83	0.213	1.4	0.78	0.207	1.4	0.76	0.201	1.4	0.73	0.189	1.5	0.73	0.189	1.5	0.73	0.156	0.156	
2.60	1.0	0.78	0.171	1.0	0.74	0.171	1.0	0.71	0.171	1.1	0.67	0.168	1.3	0.67	0.168	1.3	0.68	0.150	0.150	
2.80	0.7	0.72	0.141	0.7	0.70	0.146	0.8	0.67	0.143	0.9	0.63	0.151	1.1	0.64	0.144	1.1	0.64	0.144	0.144	
3.00	0.5	0.66	0.125	0.6	0.65	0.131	0.6	0.64	0.135	0.7	0.61	0.139	1.0	0.62	0.139	1.0	0.62	0.139	0.139	
3.20	0.5	0.62	0.120	0.5	0.62	0.125	0.5	0.61	0.128	0.6	0.59	0.133	0.9	0.60	0.133	0.9	0.60	0.135	0.135	
3.40	0.4	0.61	0.121	0.4	0.61	0.124	0.5	0.60	0.127	0.6	0.58	0.131	0.8	0.58	0.131	0.8	0.58	0.133	0.133	
3.60	0.4	0.62	0.126	0.4	0.61	0.128	0.4	0.60	0.129	0.5	0.59	0.131	0.7	0.59	0.131	0.7	0.57	0.132	0.132	
3.80	0.4	0.62	0.133	0.4	0.62	0.133	0.4	0.61	0.133	0.5	0.60	0.133	0.7	0.60	0.133	0.7	0.56	0.132	0.132	
4.00	0.3	0.63	0.139	0.3	0.62	0.138	0.4	0.61	0.137	0.4	0.60	0.136	0.6	0.60	0.136	0.6	0.57	0.132	0.132	

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



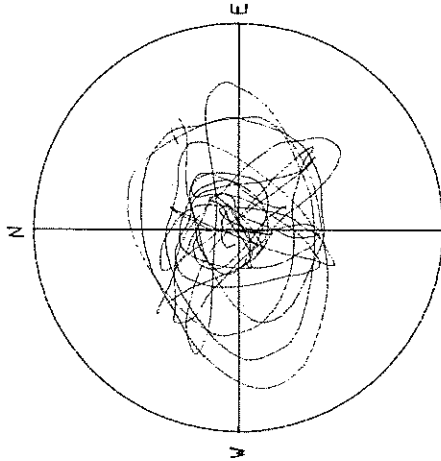
### FOURIER SPECTRA

S-1731 MATSUYAMA-S



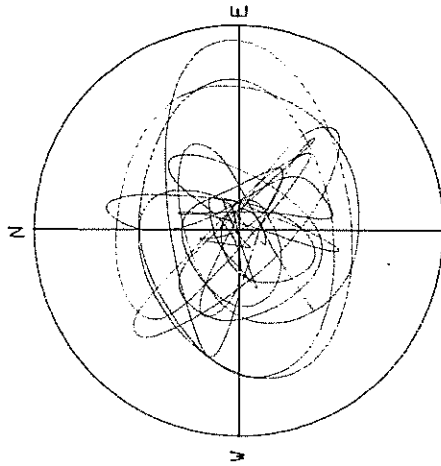
ACCELERATION  
R=20.0 GAL  
MAX=17.3 GAL

S-1731 MATSUYAMA-S



VELOCITY  
R=3.0 CM/SEC.  
MAX=2.4 CM/SEC.

S-1731 MATSUYAMA-S



DISPLACEMENT  
R=0.40 CM  
MAX=0.37 CM

RECORD = S-1729 COMPONENT = SOUTH STATION = HOSOSHIMA-S  
 DATE AND TIME = 1984-08-07-04-06 TOTAL NUMBER OF DATA = 6000  
 SAMPLING INTERVAL = 0.010 (SEC) SCAL = 0.10000  
 SIGNAL = GR. ACC.  
 CONNECTION POINT IN DATA NUMBER = 3032, 6000,

CONTINUED ( S-1729 SOUTH )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
470	12	34	62	86	81	41	7	2	26	57
480	100	169	221	247	227	141	45	-50	-117	-158
490	-165	-137	-89	-19	32	62	54	32	17	6
500	-15	-42	-60	-108	-108	-151	-181	-161	-102	-24
510	53	114	148	139	113	107	123	145	144	115
520	86	47	-20	-95	-158	-209	-250	-210	-154	-79
530	47	228	414	468	478	425	315	174	90	18
540	-28	-74	-141	-205	-212	-306	-340	-308	-232	-151
550	-81	-46	-44	-41	-44	13	63	108	138	132
560	108	73	52	17	-30	-78	-136	-177	-204	-89
570	-199	-188	-171	-159	-153	-145	-137	-131	-122	-89
580	-40	16	81	119	115	92	71	73	113	168
590	170	167	137	81	0	-106	-169	-209	-248	-216
600	-139	-21	126	276	343	404	433	380	273	220
610	126	-74	-155	-242	-310	-344	-366	-371	-346	-285
620	-193	-68	76	198	234	266	300	345	394	427
630	465	455	410	343	240	35	-75	-204	-319	-395
640	-471	-521	-592	-673	-724	-737	-676	-583	-373	-163
650	56	295	503	759	918	988	913	738	472	235
660	-114	-323	-376	-274	-88	104	276	448	567	600
670	531	386	183	-72	-256	-401	-652	-437	-374	-281
680	-132	15	148	287	422	494	585	558	366	590
690	606	608	553	471	290	53	-107	-252	-385	-492
700	-469	-409	-331	-185	-79	-40	-67	-143	-234	-363
710	-438	-500	-610	-661	-719	-787	-853	-883	-869	-812
720	-685	-559	-411	-253	-64	137	288	424	571	690
730	701	597	383	-12	-303	-563	-638	-586	-374	-150
740	84	368	544	717	840	916	881	773	631	290
750	-44	-253	-373	-610	-372	-300	-203	-75	77	213
760	373	505	609	691	734	815	869	924	1054	1231
770	1421	1558	1668	1814	1777	1582	1124	783	448	-62
780	-314	-916	-1185	-1430	-1660	-1719	-1694	-1621	-1548	-1404
790	-1240	-1077	-913	-750	-586	-423	-259	-128	-18	86
800	-27	-171	-303	-500	-598	-673	-697	-635	-521	-374
810	-167	41	258	509	694	871	990	1061	1115	1229
820	1282	1325	1396	1436	1450	1411	1287	1124	783	441
830	158	-64	-645	-798	-1214	-1420	-1446	-1420	-1396	-1409
840	-1466	-1531	-1563	-1563	-1474	-1198	-993	-800	-607	-415
850	-222	-38	125	554	1015	1328	1620	1738	1866	1903
860	1783	1610	1437	1264	1091	913	735	606	490	369
870	208	92	2	-38	-44	-46	-53	-65	-102	-153
880	-231	-319	-358	-421	-513	-887	-1040	-1089	-1076	-1059
890	-949	-838	-659	-481	-302	-148	-16	89	137	96
900	-5	-120	-278	-442	-505	-503	-460	-394	-340	-244
910	-134	-21	61	140	201	215	210	140	84	-10
920	-94	-176	-225	-229	-216	-207	-174	-88	67	94
930	201	281	311	341	401	519	610	660	694	639
940	587	520	382	280	176	104	66	41	47	27
950	-112	-401	-518	-598	-641	-586	-477	-346	-209	-86
960	-6	65	148	192	231	240	220	181	128	102
970	980	93	89	58	-35	-172	-250	-316	-375	-402
980	-414	-414	-371	-222	-64	106	323	570	716	807

TO BE CONTINUED

TO BE CONTINUED

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
24	24	24	24	24	24	24	24	24	24	24
10	24	24	24	24	24	24	24	24	24	24
20	24	24	24	24	24	24	24	24	24	24
30	24	24	25	31	36	29	13	6	16	36
40	24	31	36	37	36	38	41	46	52	42
50	37	28	25	23	13	2	0	0	13	13
60	23	23	15	0	-28	-36	-2	24	48	64
70	67	33	41	57	59	60	58	46	35	23
80	17	10	17	41	60	76	89	101	56	-16
90	-77	-98	-53	7	71	109	69	15	-14	-11
100	28	63	88	96	71	45	32	56	93	120
110	121	104	95	112	111	98	61	31	-6	11
120	-2	-2	-11	-20	-32	-36	-22	7	14	31
130	18	-3	-41	-53	-34	13	61	120	89	24
140	-58	-66	-12	48	45	-31	-86	-95	-62	-95
150	-16	49	137	79	26	-9	-55	-85	-55	-55
160	-47	-14	40	72	81	37	4	-35	-55	-55
170	-54	-33	-1	39	68	103	147	183	170	114
180	49	4	-28	-29	-6	17	34	39	30	30
190	59	92	137	196	244	-278	282	226	160	79
200	-14	-87	-135	-187	-216	-217	-203	-176	-148	-106
210	-88	-98	-124	-180	-202	-147	-89	-9	87	199
220	282	263	204	102	2	-56	-100	-112	-95	-76
230	-72	-69	-84	5	54	109	150	136	65	-4
240	-74	-119	-84	-32	22	65	82	61	27	23
250	48	81	115	151	175	179	173	155	139	113
260	64	23	-14	-39	-49	-52	-41	-18	5	27
270	57	91	123	161	190	171	115	38	-51	-100
280	-166	-229	-242	-204	-164	-123	-70	-7	55	105
290	125	100	47	-6	24	100	175	252	266	143
300	-16	-215	-366	-370	-334	-257	-162	-21	101	174
310	202	218	224	219	198	164	109	46	-23	-95
320	97	56	4	57	89	109	108	93	84	68
330	60	60	60	78	116	148	170	166	113	30
340	-60	-118	-164	-195	-190	-160	-118	-106	-79	-106
350	-139	-167	-135	-90	-16	92	203	250	235	154
360	83	17	-58	-163	-252	-292	-346	-382	-371	-318
370	-241	-169	-37	84	169	212	191	146	104	72
380	67	90	121	155	166	138	100	76	92	141
390	227	328	386	381	280	123	-40	-103	-72	-20
400	41	120	196	237	232	101	4	-72	-116	-118
410	-75	-1	66	94	93	85	68	54	36	23
420	40	7	-18	-44	-66	-52	-20	16	52	84
430	54	-44	-137	-203	-234	-223	-204	-174	-140	-140
440	-95	-46	0	38	70	88	67	17	-42	80
450	-83	-115	-142	-169	-176	-170	-143	-84	-6	80
460	167	250	303	282	202	100	30	-5	-19	-7

TO BE CONTINUED

## CONTINUED( S-1729 SOUTH )

## CONTINUED( S-1729 SOUTH )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
990	840	844	822	806	806	799	747	693	663	
1000	616	563	513	482	450	398	330	238	179	
1010	96	-55	-248	-372	-497	-553	-621	-655	-689	-721
1020	-773	-840	-906	-957	-1007	-1005	-957	-897	-830	-762
1030	-691	-614	-512	-401	-269	-149	-51	32	64	91
1040	103	105	102	71	29	-47	-66	-61	-51	-31
1050	14	88	170	248	305	347	345	305	251	213
1060	200	211	237	253	243	213	141	24	-70	-124
1070	-190	-301	-402	-438	-459	-454	-422	-385	-331	-307
1080	-274	-252	-239	-217	-197	-174	-149	-116	-96	-67
1090	-74	-66	-55	-22	10	57	117	213	407	627
1100	859	1022	1177	1168	1170	1116	1046	953	839	760
1110	666	597	536	480	440	411	386	355	310	265
1120	233	168	104	25	-41	-89	-128	-156	-198	-243
1130	-286	-317	-342	-351	-352	-354	-355	-356	-361	-372
1140	-374	-382	-392	-412	-439	-489	-528	-570	-627	-684
1150	-514	-486	-458	-418	-376	-319	-257	-200	-154	-126
1160	-99	-67	-45	-31	-31	-32	-40	-61	-81	-102
1170	-114	-114	-108	-84	-55	-19	20	70	141	205
1180	248	286	314	286	208	147	75	18	-19	-57
1190	-60	-67	-92	-107	-122	-128	-135	-135	-129	-101
1200	-61	-22	21	48	83	107	140	161	170	181
1210	197	220	248	271	284	288	288	286	277	263
1220	239	208	182	173	181	211	252	301	350	387
1230	408	398	369	338	302	262	212	158	119	109
1240	101	92	82	54	7	-52	-115	-162	-209	-224
1250	-224	-219	-222	-247	-306	-362	-406	-460	-517	-570
1260	-588	-592	-592	-592	-592	-576	-544	-507	-472	-435
1270	-400	-358	-317	-291	-268	-230	-190	-150	-91	-52
1280	5	57	102	108	84	59	47	52	60	85
1290	134	175	203	235	269	319	369	408	445	472
1300	496	519	534	514	473	422	336	236	171	121
1310	91	84	90	100	104	102	89	77	58	33
1320	26	25	25	27	38	45	47	41	22	-1
1330	-27	-54	-81	-109	-122	-145	-153	-161	-168	-168
1340	-467	-462	-462	-459	-458	-454	-447	-442	-431	-423
1350	-111	-101	-96	-93	-93	-104	-116	-134	-154	-176
1360	-192	-212	-219	-217	-205	-195	-188	-188	-195	-203
1370	-205	-204	-193	-161	-104	-62	-24	12	57	117
1380	184	252	311	353	380	391	386	364	337	312
1390	279	226	153	99	62	37	27	22	12	2
1400	-7	-20	-32	-44	-47	-57	-71	-75	-91	-93
1410	-93	-93	-87	-77	-56	-35	-7	15	32	50
1420	62	78	99	121	143	169	192	212	236	257
1430	277	295	310	321	320	306	278	251	219	164
1440	90	4	-58	-104	-181	-223	-256	-306	-338	-349
1450	-362	-368	-397	-397	-390	-371	-363	-356	-351	-285
1460	-221	-173	-132	-84	-62	-49	-45	-44	-28	-7
1470	19	45	75	105	122	129	138	145	146	156
1480	174	190	205	224	234	240	248	255	259	263
1490	265	265	259	241	216	192	171	146	128	114
1500	107	98	92	95	98	100	101	101	99	81

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1729 SOUTH )

CONTINUED( S-1729 SOUTH )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
2030	-345	-345	-345	-346	-351	-357	-363	-365	-371	-387
2040	-385	-372	-355	-336	-306	-260	-216	-180	-144	-108
2050	-86	-75	-61	-40	-25	-12	-3	8	21	38
2060	28	37	51	57	63	66	66	60	59	59
2070	55	50	51	56	66	83	87	90	90	92
2080	100	103	111	118	135	159	170	184	202	215
2090	218	218	218	215	205	184	171	159	149	145
2100	146	151	157	158	165	166	170	171	171	171
2110	171	170	159	146	119	107	82	50	33	25
2120	19	10	-3	-11	-14	-29	-34	-43	-48	-58
2130	-52	-49	-45	-42	-44	-47	-49	-52	-58	-68
2140	-59	-64	-75	-82	-88	-93	-107	-115	-115	-115
2150	-116	-118	-121	-125	-130	-138	-149	-164	-182	-187
2160	-185	-180	-171	-157	-144	-131	-115	-102	-89	-75
2170	-72	-68	-68	-68	-68	-63	-59	-53	-48	-41
2180	-44	-34	-22	-9	3	17	32	47	69	74
2190	114	132	144	155	159	160	159	157	157	158
2200	165	166	160	144	138	119	107	103	86	77
2210	59	47	36	27	20	15	6	3	2	2
2220	3	9	14	16	19	22	22	24	22	13
2230	10	10	12	20	34	46	52	53	54	57
2240	65	66	66	60	56	51	49	40	35	22
2250	5	-13	-45	-50	-74	-105	-134	-158	-174	-222
2260	-242	-268	-292	-321	-344	-354	-361	-375	-389	-444
2270	-306	-266	-226	-187	-146	-107	-83	-75	-74	-62
2280	-56	-45	-38	-21	-8	2	7	22	39	22
2290	46	51	61	66	65	70	81	91	104	110
2300	111	115	130	139	153	168	186	200	207	242
2310	283	320	341	346	346	345	339	321	303	285
2320	262	214	195	173	156	140	122	114	91	91
2330	73	45	24	5	-8	-12	-19	-20	-33	-42
2340	-47	-67	-77	-86	-97	-116	-128	-150	-175	-189
2350	-221	-256	-277	-285	-287	-287	-286	-280	-265	-245
2360	-222	-201	-185	-169	-157	-141	-137	-136	-134	-129
2370	-130	-136	-138	-138	-138	-138	-138	-138	-135	-135
2380	-128	-116	-95	-64	-52	-41	-24	-11	1	15
2390	20	22	29	37	44	61	77	94	109	125
2400	130	151	181	205	223	240	256	274	290	299
2410	307	311	305	291	280	280	267	251	235	218
2420	195	164	138	109	87	77	75	75	71	65
2430	61	59	44	31	7	-10	-21	-32	-34	-35
2440	-34	-33	-28	-27	-26	-27	-34	-38	-44	-44
2450	-48	-56	-58	-64	-77	-88	-90	-112	-133	-165
2460	-186	-221	-245	-284	-311	-332	-361	-378	-390	-395
2470	-395	-387	-376	-359	-323	-271	-220	-183	-139	-104
2480	-61	-29	-4	13	31	37	37	33	38	49
2490	57	68	72	78	93	108	115	125	131	131
2500	137	147	157	168	180	189	197	201	208	218
2510	223	226	233	240	244	247	249	249	249	249
2520	248	237	213	190	168	148	126	99	75	54
2530	37	15	1	-8	-9	-1	1	1	1	1
2540	1	0	0	-5	-7	-7	-8	-11	-17	-19
2550	23	31	36	38	45	48	48	48	48	48
2560	89	98	111	121	145	183	228	259	281	293
2570	307	328	340	342	342	335	319	305	293	281
2580	263	234	201	170	126	89	45	8	9	20
2590	28	33	37	46	51	56	59	59	61	66
2600	72	81	92	100	108	114	126	141	148	151
2610	158	162	162	161	161	159	151	138	124	111
2620	95	81	71	64	60	53	49	49	49	49
2630	56	59	61	66	70	75	81	86	90	92
2640	92	90	78	63	39	23	3	-19	-27	-40
2650	-44	-44	-45	-45	-45	-45	-45	-45	-47	-56
2660	-66	-74	-86	-98	-106	-106	-108	-108	-110	-116
2670	-124	-131	-141	-142	-137	-130	-125	-119	-110	-93
2680	-86	-79	-66	-49	-25	-11	-4	-1	1	8
2690	9	11	11	11	11	11	11	11	11	24
2700	28	36	45	48	48	48	49	47	39	29
2710	22	14	6	0	-1	1	1	17	23	31
2720	40	49	63	77	86	95	101	102	102	102
2730	102	102	105	108	112	114	114	114	114	114
2740	114	114	114	114	113	111	107	99	89	78
2750	56	41	20	-3	-21	-37	-46	-48	-48	-48
2760	-52	-55	-60	-62	-64	-74	-81	-84	-88	-92
2770	-99	-109	-116	-121	-133	-141	-154	-177	-189	-192
2780	-203	-209	-211	-211	-211	-211	-209	-204	-203	-193
2790	-180	-168	-147	-130	-105	-84	-69	-55	-50	-42
2800	-38	-38	-30	-19	-7	1	13	32	48	64
2810	84	103	119	132	147	168	188	205	220	240
2820	258	279	303	316	328	343	347	350	351	351
2830	345	327	314	298	274	242	207	179	153	118
2840	98	84	73	60	46	37	29	22	14	5
2850	-2	-15	-31	-43	-51	-60	-74	-84	-89	-91
2860	-92	-92	-92	-92	-92	-92	-92	-91	-91	-91
2870	-97	-111	-119	-130	-144	-154	-156	-164	-167	-170
2880	-171	-171	-171	-171	-172	-171	-166	-152	-135	-118
2890	-98	-85	-72	-59	-49	-42	-36	-31	-28	-27
2900	-25	-22	-19	-14	-7	0	10	21	33	44
2910	57	72	82	88	88	88	91	97	98	98
2920	97	97	100	109	115	118	123	130	141	153
2930	166	171	172	169	165	153	140	128	119	107
2940	98	85	74	62	48	32	-5	-39	-51	-62
2950	-73	-85	-96	-109	-120	-123	-132	-148	-159	-165
2960	-174	-184	-190	-201	-204	-204	-204	-181	-174	-160
2970	-142	-122	-88	-58	-36	-13	16	45	64	76
2980	86	93	101	103	109	113	120	121	121	123
2990	124	124	123	122	122	122	121	116	112	108
3000	103	98	92	82	75	74	66	51	41	27
3010	18	11	10	8	2	-1	1	10	10	10
3020	-1	-1	-28	-36	-42	-47	-50	-53	-54	-54
3030	-54	-54	-53	-52	-51	-51	-51	-51	-52	-55
3040	-57	-58	-60	-60	-60	-60	-60	-59	-57	-50
3050	-43	-38	-29	-21	-16	-9	-3	-4	-6	-6
3060	-14	-26	-35	-46	-62	-71	-80	-87	-93	-93

TO BE CONTINUED

TO BE CONTINUED



CONTINUED( S-1729 SOUTH )

CONTINUED( S-1729 SOUTH )

3070	-96	-104	-111	-111	-111	-111	-108	-103	-98	-109	-109	-109	-107	-100	-98	-91	-88
3080	-92	-87	-78	-66	-49	-29	-11	13	36	48	48	48	47	44	36	30	29
3090	58	69	78	92	103	116	122	132	141	149	156	161	166	171	176	181	186
3100	154	161	169	176	176	176	176	175	172	156							
3110	153	146	141	129	113	96	87	81	68	67							
3120	62	57	48	47	41	32	19	16	14	8							
3130	-2	-8	-14	-23	-32	-41	-32	-33	-36	-40	-44						
3140	-47	-48	-48	-48	-48	-50	-53	-49	-40	-40							
3150	-36	-34	-31	-29	-27	-23	-24	-28	-34	-38							
3160	-47	-57	-67	-74	-81	-90	-96	-105	-114	-117							
3170	-20	-22	-22	-22	-22	-115	-110	-104	-94	-86							
3180	-78	-69	-57	-42	-30	-28	-25	-21	-11	-5							
3190	-1	3	8	15	22	26	29	32	40	40							
3200	48	55	66	79	90	96	109	123	135	142							
3210	148	149	151	151	150	144	134	114	102	89							
3220	79	65	50	37	28	19	15	13	10	-3							
3230	-10	-19	-25	-28	-33	-40	-41	-45	-55	-60							
3240	-65	-68	-69	-71	-72	-72	-72	-72	-71	-70							
3250	-65	-58	-53	-48	-45	-43	-44	-46	-49	-50							
3260	-49	-48	-43	-35	-28	-23	-23	-23	-21	-18							
3270	-16	-11	-7	-4	-1	2	3	6	8	12							
3280	17	24	31	35	39	47	53	60	62	62							
3290	62	62	59	57	54	48	35	24	18	14							
3300	7	1	-1	-1	0	4	17	22	22	23							
3310	28	28	32	34	36	35	34	28	25	22							
3320	20	16	12	7	3	-4	-6	-8	-16	-19							
3330	-22	-24	-27	-28	-29	-32	-35	-39	-46	-58							
3340	-66	-69	-74	-81	-91	-109	-115	-125	-125	-125							
3350	-117	-107	-99	-91	-80	-71	-63	-55	-49	-41							
3360	-34	-24	-12	-2	-1	6	13	21	28	33							
3370	33	32	32	33	36	41	43	47	52	59							
3380	59	59	58	58	55	49	45	44	44	48							
3390	54	54	54	54	54	54	53	53	53	53							
3400	52	52	52	52	52	52	48	47	43	40							
3410	33	30	27	22	21	19	19	17	16	13							
3420	5	-2	-6	-7	-18	-23	-24	-26	-31	-34							
3430	-41	-49	-67	-77	-83	-83	-84	-84	-83	-79							
3440	-74	-72	-63	-52	-41	-31	-25	-24	-24	-24							
3450	-24	-25	-28	-28	-28	-27	-27	-27	-27	-27							
3460	-27	-27	-27	-25	-19	-13	-4	-3	3	19							
3470	27	32	36	41	41	46	46	44	38	30							
3480	24	19	18	15	14	8	0	-5	-6	-6							
3490	7	-10	-13	-13	-13	-14	-14	-14	-14	-14							
3500	-18	-25	-27	-35	-35	-35	-42	-44	-47	-47							
3510	-49	-49	-49	-46	-40	-29	-24	-19	-10	0							
3520	11	13	7	3	0	-4	-4	-4	-4	-5							
3530	-6	0	-7	-5	0	-1	-2	-2	-2	-2							
3540	0	21	22	32	44	49	51	53	57	57							
3550	67	74	77	81	83	85	87	90	82	81							
3560	81	81	80	79	66	54	47	30	22	13							
3570	6	2	-2	-12	-16	-23	-29	-33	-45	-52							
3580	-57	-57	-65	-73	-79	-83	-91	-100	-104	-106							

TO BE CONTINUED

TO BE CONTINUED



CONTINUED( S-1729 SOUTH )

CONTINUED( S-1729 SOUTH )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5150	-19	-19	-19	-17	-15	-12	-8	-3	-1	5
5160	8	8	10	11	11	11	11	13	15	15
5170	14	11	7	8	10	7	4	2	0	-3
5180	-4	-7	-13	-14	-12	-14	-14	-14	-16	-19
5190	-20	-22	-24	-25	-26	-25	-24	-20	-17	-17
5200	-17	-17	-16	-15	-14	-10	-6	0	4	12
5210	16	20	22	22	19	18	20	22	25	31
5220	35	35	35	35	31	25	21	16	13	11
5230	7	3	0	-3	-7	-9	-11	-12	-13	-14
5240	-14	-14	-15	-18	-19	-19	-18	-16	-14	-13
5250	-7	0	4	5	10	14	14	19	22	24
5260	26	27	29	31	32	30	27	25	21	15
5270	9	5	-1	-7	-16	-24	-35	-42	-57	-62
5280	-62	-61	-61	-60	-60	-56	-50	-46	-42	-37
5290	-29	-25	-21	-16	-13	-9	-7	-3	0	1
5300	4	8	11	16	22	29	31	32	37	43
5310	47	51	55	57	58	58	57	54	50	44
5320	36	29	24	20	13	6	-2	-7	-12	-19
5330	-22	-22	-22	-22	-24	-26	-25	-25	-25	-24
5340	-23	-23	-20	-18	-18	-17	-16	-15	-15	-15
5350	-15	-15	-15	-16	-17	-18	-18	-18	-18	-16
5360	-13	-11	-11	-12	-14	-15	-20	-22	-22	-23
5370	-23	-21	-16	-14	-13	-12	-6	-1	1	2
5380	4	10	18	27	32	32	31	30	30	32
5390	32	29	27	29	26	23	21	17	14	13
5400	7	2	0	-2	-4	-9	-17	-24	-31	-35
5410	-36	-36	-36	-34	-32	-30	-25	-22	-22	-19
5420	-16	-14	-9	-6	-6	-5	-1	2	2	2
5430	4	17	9	9	8	6	3	3	4	9
5440	13	18	24	29	36	44	53	56	61	67
5450	73	82	85	85	85	85	85	86	86	85
5460	78	70	67	60	51	40	37	33	26	21
5470	15	10	5	0	-5	-9	-12	-17	-19	-19
5480	-25	-34	-38	-43	-52	-57	-60	-62	-63	-66
5490	-73	-76	-76	-76	-76	-76	-76	-76	-73	-69
5500	-67	-65	-60	-57	-57	-54	-46	-38	-33	-32
5510	-29	-21	-16	-11	-5	-1	2	6	9	11
5520	14	19	21	22	24	24	24	24	26	30
5530	32	35	37	42	46	46	45	45	46	48
5540	51	53	54	55	55	54	53	53	53	53
5550	53	53	53	52	51	49	45	43	42	39
5560	38	35	29	20	13	8	3	-10	-23	-32
5570	-39	-43	-46	-57	-70	-72	-78	-83	-82	-82
5580	-82	-82	-82	-82	-82	-81	-77	-70	-62	-58
5590	-57	-56	-51	-40	-34	-32	-26	-18	-13	-4
5600	-1	4	10	12	20	28	31	38	50	60
5610	62	65	66	75	77	75	74	74	72	71
5620	67	66	62	60	56	42	41	39	33	31
5630	26	26	24	17	17	17	15	14	11	5
5640	2	-1	-4	-9	-18	-26	-29	-30	-32	-38
5650	-42	-41	-40	-41	-40	-39	-39	-38	-35	-33
5660	-30	-24	-22	-22	-22	-22	-22	-22	-22	-22

TO BE CONTINUED

END

RECORD = S-1729 COMPONENT = EAST STATION = HOSOSHIMA-S  
 DATE AND TIME = 1984-08-07-04-06 TOTAL NUMBER OF DATA = 6000  
 SIGNAL = GR. ACC. SCAL = 0.10000  
 CONNECTION POINT IN DATA NUMBER = 3036, 6000,

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
0	36	36	36	36	36	36	36	36	36	36
10	36	36	36	36	36	36	36	36	36	36
20	53	72	54	35	16	-14	-65	-59	-32	-5
30	21	43	66	85	40	-4	8	32	56	77
40	98	95	83	68	52	53	74	81	49	13
50	-27	-71	-117	-159	-136	-110	-78	-45	-7	80
60	18	15	-21	-92	-49	42	107	132	80	6
70	-2	-84	-131	-87	-15	43	84	32	2	6
80	48	76	96	110	74	29	-28	97	-112	-111
90	-20	-25	37	91	133	129	92	65	80	151
100	223	312	393	416	376	333	282	278	189	195
110	115	58	9	-31	-43	-29	5	5	-14	-31
120	-7	37	86	129	165	99	27	-76	-191	-255
130	-292	-319	-346	-349	-270	-172	-72	24	100	132
140	187	198	199	184	139	47	-67	-117	-143	-147
150	-133	-118	-120	-137	-139	-119	-82	-34	-3	44
160	112	142	114	54	3	-40	-41	-16	18	48
170	79	95	109	118	134	152	180	210	240	250
180	217	176	187	235	261	298	347	403	441	435
190	368	302	235	173	81	16	-116	-208	-291	-411
200	-502	-544	-529	-488	-405	-311	-213	-128	-82	-38
210	-23	-16	-2	8	24	50	85	114	86	4
220	-65	-139	-224	-297	-355	-328	-227	-51	89	209
230	317	397	395	250	75	-92	-183	-316	-406	-498
240	-523	-485	-410	-330	-243	-142	1	125	222	293
250	329	351	370	378	375	347	283	212	132	57
260	-21	-127	-237	-274	-226	-166	-101	-10	96	208
270	301	350	375	395	392	353	273	144	34	-82
280	-104	-156	-235	-293	-344	-389	-434	-429	-395	-339
290	-272	-199	-140	-60	32	125	197	241	238	152
300	41	-65	-68	8	117	221	299	379	338	284
310	157	33	-74	-146	-187	-121	-55	7	61	98
320	131	171	171	108	22	-60	-169	-236	-348	-348
330	-286	-204	-53	100	167	56	-47	-129	-353	-352
340	-275	-177	-94	6	104	184	242	225	172	32
350	-28	-124	-199	-276	-334	-363	-337	-291	-233	-179
360	-129	-60	3	61	117	155	165	142	96	24
370	-9	-17	-48	-75	-96	-137	-164	-131	-76	-4
380	87	223	405	520	542	460	367	274	210	180
390	213	237	237	174	68	35	-102	-150	-11	-141
400	-138	-129	-157	-193	-186	-123	-42	23	73	119
410	139	122	61	-4	-48	-58	-41	-30	-36	-32
420	-18	-11	-30	-79	-166	-252	-216	-185	-142	-82
430	-23	22	50	66	70	51	31	3	-84	-119
440	-176	-270	-267	-251	-234	-196	-144	-65	20	61
450	92	152	222	282	280	282	285	261	254	284
460	184	139	88	24	-41	-90	-95	-46	24	94

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1729 EAST )

CONTINUED( S-1729 EAST )

	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
990	863	669	498	399	318	242	180	124	48	-42
1000	-142	-180	-208	-284	-350	-421	-494	-568	-617	-672
1010	-636	-597	-551	-494	-424	-352	-286	-196	-203	-234
1020	-250	-328	-414	-517	-592	-627	-543	-484	-420	-348
1030	-316	-221	-144	-88	-28	31	68	132	201	271
1040	336	397	461	530	567	578	566	529	469	408
1050	346	260	171	56	-88	-249	-397	-541	-668	-796
1060	-852	-844	-813	-765	-708	-643	-584	-565	-556	-556
1070	-568	-574	-559	-541	-524	-507	-496	-487	-469	-466
1080	-423	-358	-273	-179	-87	-30	29	80	126	181
1090	234	273	313	349	374	406	417	379	327	284
1100	292	327	356	381	399	421	444	459	483	501
1110	532	562	605	644	694	733	788	775	722	637
1120	543	441	334	246	157	50	-40	-100	-132	-162
1130	-133	-140	-171	-252	-337	-421	-540	-615	-661	-661
1140	-642	-614	-571	-521	-473	-430	-405	-375	-347	-324
1150	-301	-286	-282	-283	-285	-270	-254	-227	-173	-122
1160	-64	4	144	267	366	448	504	554	569	544
1170	495	426	352	298	258	246	269	298	323	314
1180	264	186	86	-8	71	-103	-138	-174	-204	-257
1190	-301	-338	-375	-377	-344	-305	-261	-220	-195	-175
1200	-159	-164	-179	-184	-184	-182	-177	-169	-161	-144
1210	-120	-95	-69	-27	9	55	85	102	102	81
1220	71	80	94	139	202	259	299	353	396	404
1230	381	335	281	217	180	154	139	130	115	100
1240	72	46	23	1	-17	-19	-21	-36	-51	-86
1250	-96	-133	-166	-179	-175	-151	-109	-65	-21	5
1260	36	46	53	57	61	63	65	71	77	78
1270	87	97	106	120	134	154	171	179	181	175
1280	164	154	146	135	111	78	42	1	-61	-134
1290	-181	-220	-255	-274	-268	-258	-253	-250	-248	-250
1300	-255	-261	-269	-278	-289	-310	-321	-307	-280	-249
1310	-218	-189	-162	-142	-116	-92	-70	-46	-29	-5
1320	15	40	65	94	138	185	221	256	291	335
1330	374	394	410	425	449	471	489	499	492	469
1340	435	390	332	283	248	204	153	113	93	87
1350	85	71	59	43	22	5	-13	-22	-41	-57
1360	-49	-46	-43	-40	-46	-65	-101	-135	-216	-231
1370	-896	-835	-836	-801	-712	-625	-437	-466	-482	-481
1380	-472	-467	-447	-431	-414	-403	-387	-365	-344	-319
1390	-892	-865	-835	-803	-773	-752	-720	-78	-39	-8
1400	12	22	33	22	19	18	18	20	21	21
1410	13	23	37	-14	-16	-10	0	19	45	80
1420	117	154	190	225	258	294	333	361	391	408
1430	415	417	410	385	350	314	268	224	185	155
1440	137	120	105	101	112	132	159	193	222	241
1450	248	248	242	233	226	220	217	207	190	190
1460	177	163	142	122	101	84	65	41	23	1
1470	-1	16	36	57	80	98	110	114	114	105
1480	89	69	44	27	-1	-49	-102	-117	-148	-176
1490	-301	-330	-353	-374	-400	-416	-409	-397	-409	-397
1500	-385	-377	-375	-385	-396	-413	-424	-431	-437	-450

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1729 EAST )

CONTINUED( S-1729 EAST )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
2030	93	104	119	139	153	161	162	161	161	157
2040	153	151	141	138	138	138	141	146	150	153
2050	153	153	153	150	142	123	110	88	61	9
2060	31	8	13	-6	1	7	9	10	9	9
2070	2	-8	-16	-27	-42	-48	-57	-69	-81	-88
2080	-90	-87	-78	-64	-45	-30	-18	-10	-9	-9
2090	-18	-25	-36	-47	-60	-67	-83	-99	-117	-130
2100	-140	-163	-188	-203	-210	-208	-203	-200	-194	-180
2110	-168	-161	-154	-147	-139	-127	-115	-106	-101	-94
2120	-86	-73	-57	-49	-39	-5	6	10	25	44
2130	58	75	101	109	122	133	153	177	190	213
2140	233	250	268	288	308	335	350	373	386	388
2150	386	372	355	344	323	304	281	257	225	199
2160	177	155	122	100	61	35	25	9	8	5
2170	-5	-18	-22	-33	-54	-80	-103	-129	-154	-177
2180	-205	-225	-249	-270	-277	-278	-273	-257	-244	-232
2190	-220	-207	-194	-181	-176	-176	-176	-176	-176	-176
2200	-176	-171	-161	-152	-139	-119	-96	-77	-55	-30
2210	-18	-5	5	28	52	78	92	106	115	112
2220	112	95	80	68	52	48	43	28	27	27
2230	27	27	25	23	13	0	-10	-21	-30	-38
2240	-37	-29	-19	-15	-6	0	0	8	20	25
2250	31	40	52	68	77	91	109	129	142	151
2260	153	153	140	127	101	73	54	43	43	27
2270	23	8	-10	-23	-30	-36	-41	-40	-34	-20
2280	-21	-14	-4	7	20	21	22	23	26	27
2290	28	30	32	32	32	38	40	41	47	51
2300	52	59	72	82	89	104	117	129	134	135
2310	134	132	125	117	110	98	84	56	33	11
2320	-9	-13	-25	-39	-53	-65	-68	-70	-70	-70
2330	-72	-79	-100	-116	-135	-151	-159	-176	-186	-191
2340	-203	-209	-206	-200	-189	-163	-150	-130	-105	-73
2350	-18	-6	17	26	35	42	57	71	73	71
2360	65	66	79	90	101	107	117	125	130	131
2370	131	127	115	100	80	69	57	42	32	29
2380	27	23	22	20	18	17	20	25	33	40
2390	42	46	52	54	53	51	46	43	34	33
2400	30	28	27	27	27	24	22	22	22	35
2410	44	46	48	48	40	30	23	17	8	2
2420	6	4	7	11	15	21	26	34	35	35
2430	34	31	26	12	-2	-6	-10	-34	-45	-44
2440	-32	-27	-20	-15	-9	-5	0	1	1	1
2450	-4	-11	-22	-30	-44	-55	-67	-77	-72	-60
2460	-58	-50	-39	-26	-16	-6	-3	1	10	16
2470	19	26	30	37	43	48	50	50	49	49
2480	45	41	38	36	31	27	23	20	20	10
2490	0	-7	-9	-15	-16	-14	-8	0	6	15
2500	17	19	24	38	52	74	94	111	120	123
2510	115	102	88	71	53	40	37	27	11	-1
2520	-11	-20	-21	-24	-27	-28	-28	-26	-22	-21
2530	-13	-9	4	18	32	44	56	60	60	60
2540	60	56	51	41	38	29	25	25	26	26

TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1729 EAST )										
NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
3070	-64	-69	-78	-85	-86	-86	-85	-82	-77	-75
3080	-74	-73	-74	-80	-90	-101	-107	-113	-116	-117
3090	-118	-117	-115	-105	-96	-89	-82	-77	-70	-63
3100	-53	-41	-35	-30	-25	-19	-18	-17	-18	-17
3110	-14	-9	0	13	22	29	31	34	42	46
3120	48	48	50	48	44	39	36	32	28	28
3130	22	13	4	-1	-7	-10	-15	-20	-25	-30
3140	-34	-35	-35	-34	-32	-28	-25	-20	-13	-11
3150	-6	-2	1	9	14	22	29	34	45	54
3160	60	66	74	76	76	73	67	64	58	55
3170	54	55	60	64	65	69	69	68	61	59
3180	59	59	59	59	59	58	53	46	37	32
3190	32	31	27	23	16	10	5	-14	-31	-46
3200	-62	-67	-72	-79	-83	-78	-69	-63	-61	-61
3210	-62	-63	-66	-73	-77	-79	-81	-81	-81	-81
3220	-81	-79	-75	-67	-55	-45	-41	-33	-21	-9
3230	-2	0	5	9	11	10	12	17	20	30
3240	34	39	44	53	54	57	72	78	84	92
3250	100	98	98	97	86	75	58	32	13	5
3260	-12	-21	-32	-49	-55	-62	-69	-84	-93	-99
3270	-109	-129	-129	-132	-131	-129	-127	-127	-120	-110
3280	-98	-84	-72	-54	-41	-31	-20	-7	1	8
3290	12	19	20	23	32	36	44	53	60	81
3300	92	104	115	126	136	136	147	148	148	147
3310	133	117	100	85	68	53	38	26	12	7
3320	-1	-7	-12	-13	-14	-18	-24	-24	-25	-29
3330	-27	-25	-19	-16	-12	-12	-9	-9	-10	-12
3340	-17	-17	-16	-12	-5	-1	5	15	19	22
3350	24	33	40	40	40	39	36	29	21	10
3360	-1	-8	-22	-32	-46	-50	-50	-50	-48	-42
3370	-36	-33	-29	-22	-15	-8	-1	2	5	5
3380	5	8	15	17	19	23	27	29	29	25
3390	18	12	6	1	-3	-3	-5	-12	-22	-24
3400	-26	-32	-35	-35	-35	-35	-32	-30	-24	-17
3410	-15	-13	-10	-3	6	15	23	32	51	73
3420	83	101	109	114	121	136	142	144	144	141
3430	126	114	110	93	76	50	38	22	9	-8
3440	-35	-47	-53	-68	-85	-94	-116	-135	-152	-168
3450	-182	-196	-206	-210	-211	-209	-201	-191	-184	-172
3460	-157	-143	-127	-112	-99	-86	-80	-76	-72	-68
3470	-57	-51	-38	-27	-18	-4	8	29	29	34
3480	44	62	75	85	93	95	105	118	127	135
3490	142	144	144	144	144	140	139	139	139	139
3500	139	139	136	129	115	111	100	90	75	73
3510	61	60	57	53	52	43	33	23	10	-4
3520	-13	-27	-33	-36	-35	-34	-32	-29	-27	-22
3530	-17	-16	-10	-7	-6	-6	-6	-6	-8	-13
3540	-19	-33	-42	-48	-57	-71	-77	-90	-103	-110
3550	-124	-142	-153	-162	-171	-179	-184	-185	-185	-184
3560	-178	-169	-158	-145	-139	-132	-119	-109	-100	-84
3570	-91	-82	-71	-70	-62	-45	-42	-28	-7	4
3580	10	28	45	67	80	91	94	101	112	128

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1729 EAST )					CONTINUED( S-1729 EAST )				
NO.	( 1 )	( 2 )	( 3 )	( 4 )	NO.	( 1 )	( 2 )	( 3 )	( 4 )
4110	-65	-59	-55	-52	4630	-21	-21	-23	-23
4120	-4	-1	4	12	4640	-27	-27	-26	-23
4130	34	39	45	49	4650	-23	-28	-36	-45
4140	60	60	62	64	4660	-74	-81	-81	-80
4150	17	5	-5	-17	4670	-78	-74	-69	-61
4160	-59	-56	-50	-45	4680	6	16	19	35
4170	-17	-20	-21	-21	4690	93	95	95	95
4180	-1	-1	-2	-5	4700	46	31	24	11
4190	-39	-45	-51	-52	4710	16	14	16	16
4200	-10	-4	0	5	4720	16	14	8	5
4210	53	61	67	73	4730	15	22	-22	-23
4220	125	127	128	128	4740	-55	-57	-57	-57
4230	70	64	57	49	4750	-63	-61	-58	-55
4240	1	-1	-5	-12	4760	-18	-8	-4	1
4250	-46	-57	-66	-73	4770	30	30	30	30
4260	-117	-126	-129	-129	4780	-6	-6	-6	-2
4270	-60	-50	-39	-31	4790	44	50	48	46
4280	-5	-5	-6	-8	4800	32	28	20	13
4290	-32	-37	-39	-41	4810	-4	-4	-3	-3
4300	-23	-21	-19	-16	4820	-17	-17	-17	-16
4310	30	43	51	57	4830	-38	-39	-37	-34
4320	108	115	121	126	4840	-20	-22	-27	-27
4330	107	95	85	77	4850	-40	-40	-40	-40
4340	33	32	30	26	4860	-52	-52	-52	-52
4350	-6	-12	-19	-27	4870	-13	9	19	23
4360	-63	-68	-70	-71	4880	105	111	120	134
4370	-91	-91	-91	-91	4890	141	138	134	128
4380	-80	-76	-67	-60	4900	28	14	0	-11
4390	-18	-9	0	10	4910	-81	-91	-103	-117
4400	43	49	55	62	4920	-146	-143	-141	-139
4410	124	127	126	132	4930	-54	-39	-28	-18
4420	113	103	85	68	4940	12	17	18	18
4430	-17	-22	-30	-33	4950	20	20	21	23
4440	-35	-35	-35	-34	4960	36	41	46	52
4450	-23	-24	-22	-16	4970	99	101	101	103
4460	-28	-35	-40	-44	4980	101	98	95	93
4470	-86	-92	-94	-96	4990	35	29	12	8
4480	-70	-62	-55	-47	5000	-52	-53	-54	-66
4490	-14	-12	-11	-7	5010	-114	-124	-124	-132
4500	22	25	28	32	5020	-126	-120	-116	-109
4510	39	39	39	37	5030	-61	-53	-49	-40
4520	70	82	93	95	5040	18	19	24	29
4530	65	53	43	34	5050	36	36	36	34
4540	19	19	17	14	5060	80	89	97	107
4550	-9	-25	-31	-43	5070	125	125	124	119
4560	-100	-100	-98	-98	5080	39	34	27	24
4570	-74	-72	-72	-70	5090	-12	-17	-25	-28
4580	-60	-58	-57	-55	5100	-54	-56	-66	-71
4590	-4	9	22	31	5110	-69	-69	-70	-69
4600	84	93	95	100	5120	-69	-69	-69	-67
4610	109	102	94	93	5130	-40	-40	-35	-28
4620	30	17	7	4	5140	-5	-1	-1	4

TO BE CONTINUED

TO BE CONTINUED



CONTINUED ( S-1729 EAST )										
NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5670	-87	-86	-84	-82	-82	-81	-79	-76	-75	-75
5680	-72	-68	-66	-61	-52	-46	-46	-45	-45	-43
5690	-43	-44	-43	-41	-41	-42	-43	-45	-46	-45
5700	-42	-39	-37	-35	-33	-27	-21	-16	-6	6
5710	8	13	20	27	39	55	57	60	64	67
5720	68	68	72	73	74	73	73	72	66	65
5730	66	68	69	70	73	71	69	71	71	70
5740	69	68	66	66	67	68	66	60	59	57
5750	54	46	46	46	28	24	7	5	3	-4
5760	-11	-20	-26	-33	-37	-43	-53	-57	-60	-63
5770	-68	-72	-73	-73	-72	-72	-77	-84	-86	-86
5780	-87	-90	-93	-96	-99	-100	-98	-96	-89	-82
5790	-77	-70	-65	-61	-57	-48	-44	-38	-31	-20
5800	-8	-6	-2	2	6	22	32	43	45	63
5810	66	75	86	95	107	109	112	115	118	120
5820	120	116	116	116	115	115	113	108	104	101
5830	93	92	80	81	74	69	65	59	56	56
5840	45	36	20	13	8	1	-11	-13	-21	-28
5850	-36	-41	-53	-66	-85	-90	-94	-105	-103	-103
5860	-103	-103	-105	-106	-107	-108	-107	-106	-105	-100
5870	-96	-91	-91	-91	-89	-84	-83	-79	-76	-72
5880	-65	-61	-58	-54	-49	-45	-41	-33	-30	-24
5890	-19	-10	-4	2	14	28	33	42	52	66
5900	68	80	91	91	88	86	86	86	86	86
5910	85	84	84	84	80	76	74	74	74	76
5920	79	86	86	86	86	92	93	93	89	83
5930	86	83	81	80	79	71	58	44	41	41
5940	33	17	5	5	-1	-15	-25	-27	-34	-41
5950	-51	-81	-90	-103	-110	-116	-121	-129	-136	-141
5960	-149	-154	-154	-152	-148	-145	-142	-135	-129	-122
5970	-117	-111	-103	-93	-84	-75	-61	-56	-46	-40
5980	-32	-25	-15	-4	0	11	18	26	41	41
5990	53	62	63	67	77	87	94	98	105	110

END

CONTINUED ( S-1729 EAST )										
NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5150	38	44	48	53	61	70	77	83	90	96
5160	103	107	106	105	107	107	103	100	95	94
5170	86	84	81	75	69	66	66	66	63	54
5180	47	40	36	35	32	25	19	13	8	1
5190	-5	-16	-29	-42	-47	-57	-67	-76	-80	-82
5200	-87	-100	-104	-110	-115	-121	-129	-130	-129	-132
5210	-133	-133	-131	-130	-125	-116	-99	-94	-88	-73
5220	-56	-38	-30	-27	-20	-14	-8	4	10	12
5230	17	24	29	31	35	37	41	44	45	50
5240	53	54	57	60	65	69	72	75	78	80
5250	81	83	88	91	90	90	93	96	98	98
5260	99	98	98	98	98	95	90	86	83	79
5270	76	73	66	62	61	58	55	52	44	32
5280	24	21	14	10	5	-3	-11	-20	-25	-33
5290	-45	-53	-67	-74	-90	-98	-113	-119	-128	-130
5300	-142	-151	-158	-159	-154	-153	-151	-148	-145	-140
5310	-132	-121	-109	-107	-100	-90	-80	-71	-59	-51
5320	-44	-33	-21	-10	-1	6	16	24	31	41
5330	50	52	55	67	79	86	96	108	117	126
5340	143	153	154	158	164	167	167	166	163	156
5350	144	132	122	111	93	71	50	36	22	12
5360	1	-18	-38	-53	-59	-65	-71	-82	-90	-93
5370	-97	-98	-103	-107	-115	-115	-110	-107	-101	-98
5380	-92	-86	-78	-69	-63	-52	-44	-31	-19	-14
5390	-7	-2	5	14	23	28	32	36	36	36
5400	35	34	33	31	29	29	26	16	8	8
5410	8	6	2	0	1	2	2	2	2	3
5420	3	3	3	3	3	2	2	3	3	3
5430	6	8	8	11	15	18	20	21	20	13
5440	9	11	10	10	10	-6	-12	-17	-20	-21
5450	-22	-22	-20	-12	-5	-5	-3	3	11	17
5460	20	21	27	36	41	43	44	44	43	42
5470	40	38	35	31	22	14	12	10	8	4
5480	1	0	-6	-10	-15	-20	-20	-20	-20	-21
5490	-22	-24	-24	-23	-23	-21	-18	-16	-15	-16
5500	-16	-17	-17	-20	-23	-23	-26	-30	-32	-32
5510	-32	-33	-36	-37	-37	-37	-34	-31	-32	-34
5520	-34	-33	-32	-28	-25	-25	-20	-12	-4	0
5530	4	12	18	23	29	30	30	30	31	31
5540	75	80	85	89	90	90	90	90	90	89
5550	85	80	77	69	61	53	47	47	46	42
5560	33	26	22	20	12	5	4	0	-7	-12
5570	-18	-23	-32	-42	-46	-50	-62	-68	-64	-62
5580	-65	-72	-75	-75	-76	-77	-77	-77	-78	-79
5590	-78	-78	-75	-72	-64	-59	-54	-49	-44	-41
5600	-39	-38	-36	-35	-34	-34	-34	-34	-35	-38
5610	-38	-32	-21	-13	-5	6	20	25	31	40
5620	47	58	65	70	75	80	85	97	105	114
5630	115	121	127	129	129	130	130	130	130	130
5640	126	115	98	87	83	67	63	57	49	42
5650	30	21	11	2	-4	-16	-22	-27	-40	-50
5660	-53	-56	-63	-70	-74	-79	-84	-84	-84	-85

TO BE CONTINUED

RECORD = S-1729 COMPONENT = DOWN STATION = HOSOSHIMA-S  
 DATE AND TIME = 1984-08-07-04-06 TOTAL NUMBER OF DATA = 6000  
 SIGNAL = GR. ACC. SAMPLING INTERVAL = 0.010 (SEC) SCAL = 0.10000  
 CONNECTION POINT IN DATA NUMBER = 3037, 6000.

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
0	54	54	54	54	54	54	54	54	54	54
10	54	54	54	54	54	54	54	54	54	54
20	54	54	54	54	54	54	54	54	54	54
30	54	53	53	53	53	53	53	53	53	53
40	105	141	154	154	154	154	154	154	154	154
50	87	14	0	10	34	37	30	62	95	64
60	33	-1	33	69	52	-14	-137	-37	62	11
70	-66	-73	-17	12	-10	94	218	220	191	140
80	123	85	120	261	334	351	294	234	204	125
90	-258	-397	-303	-208	-90	29	67	-41	-23	79
100	174	274	305	111	-359	-471	-392	-290	-179	-97
110	-29	30	79	172	293	410	333	225	145	43
120	21	21	-5	-78	-173	-147	-53	72	135	149
130	43	-133	-219	-308	-228	-209	-200	-112	34	175
140	241	187	103	57	-70	-125	-86	-48	-58	3
150	115	163	168	72	139	205	259	87	161	-195
160	-111	-104	122	50	158	225	272	325	365	365
170	109	-104	-215	-433	-443	-738	-792	-760	-675	-462
180	-248	-35	335	515	480	213	-4	-67	-19	-24
190	-26	-14	60	143	132	130	140	76	-25	-181
200	-311	-183	-8	176	354	484	439	53	-728	-815
210	-775	-707	-592	-476	-321	-168	-24	25	221	469
220	590	580	424	221	123	44	-70	-132	-147	-155
230	-66	95	246	319	343	276	-195	-412	-520	-405
240	-254	-75	19	132	201	48	-14	210	392	142
250	481	449	244	62	-77	-219	-188	-255	-295	-292
260	-260	-182	-113	-86	18	75	74	130	230	252
270	125	-86	-262	-308	-236	-148	17	108	211	345
280	281	210	243	230	-402	-640	-722	-629	-527	-405
290	-281	-154	63	204	238	323	392	395	239	-81
300	-348	-323	-300	-271	-220	-69	167	428	576	548
310	368	115	-103	-285	-299	-184	-91	70	222	285
320	222	94	63	37	191	-221	-134	-25	104	91
330	-182	-370	-490	-522	-454	-255	-19	164	208	96
340	90	180	237	209	166	-189	-298	-311	-313	-307
350	-235	-42	157	346	407	283	53	-132	-288	50
360	510	-439	-336	-202	80	258	119	-23	130	-355
370	-339	-218	-103	-147	-111	-56	114	268	173	88
380	54	110	149	122	83	33	-44	-21	59	162
390	275	303	132	-90	-185	-258	-173	99	332	328
400	282	51	-137	-75	3	53	42	7	12	110
410	273	370	301	-45	-282	-540	-689	-760	-755	-621
420	-489	-285	-63	148	330	434	491	486	449	544
430	283	85	12	2	-156	-260	-379	-474	-554	940
440	-467	-315	-136	92	281	217	237	216	111	-44
450	-153	-187	-230	-226	-135	-33	29	57	29	-163
460	-59	31	55	85	101	31	-4	-25	14	152

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1729 DOWN )

Table with 10 columns: NO., (1), (2), (3), (4), (5), (6), (7), (8), (9), (10). Rows range from NO. 890 to 1500.

TO BE CONTINUED

CONTINUED( S-1729 DOWN )

Table with 10 columns: NO., (1), (2), (3), (4), (5), (6), (7), (8), (9), (10). Rows range from NO. 1510 to 2020.

TO BE CONTINUED

CONTINUED ( S-1729 DOWN )											CONTINUED ( S-1729 DOWN )										
NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )	NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
2030	-14	-12	-16	-25	-41	-55	-52	-48	-51	-57	2550	-2	0	1	6	7	8	8	5	-3	-4
2040	-66	-70	-77	-77	-72	-57	-77	-24	-26	-28	2560	3	11	14	18	19	15	9	8	-4	-7
2050	-26	-6	19	28	28	23	3	-22	-43	-54	2570	-15	50	15	26	35	41	46	51	59	58
2060	-53	-32	-14	5	14	27	40	47	41	17	2580	49	43	32	18	-9	-6	-1	0	4	-18
2070	2	-2	0	14	28	43	45	35	28	28	2590	-18	-17	-13	-11	-9	-6	0	0	4	4
2080	26	22	22	24	32	36	35	27	23	29	2600	9	14	18	22	27	27	27	27	21	14
2090	30	30	29	28	27	26	18	8	7	1	2610	2	-6	-7	-7	-13	-24	-27	-27	-27	-20
2100	-3	-4	-3	-20	-28	-28	-14	-3	7	13	2620	0	6	6	13	18	18	9	-4	-16	-26
2110	18	18	13	-11	-13	-9	-3	7	9	11	2630	-35	-38	-39	-38	-37	-32	-18	-3	11	30
2120	15	22	37	40	52	51	50	43	36	28	2640	47	58	65	68	62	52	41	31	19	5
2130	23	22	22	22	23	23	22	24	29	30	2650	-5	-5	1	11	19	26	32	31	23	23
2140	37	39	46	57	62	62	62	61	53	45	2660	17	11	6	14	15	-5	-6	-4	0	3
2150	37	39	17	-8	-23	-42	-64	-87	-107	-124	2670	10	12	12	14	15	17	20	22	25	27
2160	-128	-110	-116	-90	-76	-60	-49	-42	-38	-26	2680	19	11	2	-4	-10	-16	-13	-4	0	2
2170	-15	-4	0	2	5	15	32	41	45	43	2690	5	5	5	4	6	5	11	13	13	12
2180	27	4	-3	-41	-52	-66	-62	-63	-49	-2	2700	12	12	12	15	19	28	38	46	51	50
2190	7	8	8	7	3	4	14	35	58	72	2710	46	43	39	32	23	16	11	3	-8	0
2200	83	84	84	76	66	55	51	37	27	14	2720	-3	-6	-8	-11	-12	-11	-13	-14	-8	-9
2210	7	2	2	2	1	1	1	-1	-3	-3	2730	-11	-11	-11	-10	-12	-12	-13	-14	-15	-15
2220	-3	-3	-3	-2	1	5	9	19	28	31	2740	-15	-15	-15	-10	0	12	17	18	18	18
2230	34	34	29	7	-17	-24	-27	-38	-53	-54	2750	19	25	26	25	22	26	23	28	29	32
2240	-57	-64	-63	-52	-23	23	32	45	76	76	2760	34	35	35	36	37	37	37	37	38	39
2250	53	24	-4	-18	-17	-6	3	12	24	33	2770	39	39	33	19	12	4	-5	-8	-6	-4
2260	41	36	36	30	6	-12	-38	-42	-40	-28	2780	0	2	2	5	8	18	24	25	25	25
2270	-16	-5	-5	-11	-21	-30	-37	-34	-20	-5	2790	25	25	26	28	29	31	31	30	29	29
2280	-5	-4	-2	3	6	8	15	18	9	-6	2800	29	29	26	20	12	5	-4	-13	-23	-33
2290	-32	-42	-45	-42	-40	-27	-16	-13	-12	-13	2810	-39	-41	-38	-34	-29	-24	-18	-9	-9	-14
2300	-20	-28	-36	-42	-42	-40	-33	-17	-1	32	2820	-15	-17	-18	-17	-12	-6	-2	8	15	20
2310	61	82	93	94	89	82	72	65	53	39	2830	24	25	28	31	29	25	22	20	20	20
2320	31	27	18	12	12	12	12	18	18	18	2840	21	21	19	16	14	13	12	11	11	11
2330	15	11	2	-6	-6	-3	19	23	23	12	2850	11	11	11	12	14	16	15	12	7	7
2340	5	-3	-3	-3	-1	3	5	14	19	20	2860	12	17	24	31	34	34	32	27	22	16
2350	18	18	17	16	12	10	0	-6	-12	-13	2870	8	3	0	-8	-11	-13	-15	-17	-22	-26
2360	-2	10	13	16	16	12	12	19	30	32	2880	-26	-20	-15	-10	-10	-17	-28	-36	-44	-49
2370	52	28	19	18	8	6	2	-5	-8	-8	2890	44	34	20	-5	-21	-37	-43	-45	-42	-37
2380	-3	-1	3	3	3	2	-3	-10	-22	-22	2900	-52	-27	-21	-15	-12	-11	-9	-9	-8	-7
2390	-42	-43	-43	-38	-22	-17	-13	-8	-3	-3	2910	-9	-9	-12	-12	-12	-13	-13	-13	-11	-11
2400	-10	-3	4	5	7	4	-2	-3	-3	-6	2920	-8	-4	1	7	15	23	25	23	27	35
2410	-8	-6	-3	3	10	17	24	29	31	32	2930	40	49	63	77	86	88	88	87	80	71
2420	32	32	32	32	32	33	33	33	32	32	2940	62	47	37	36	35	28	19	12	-2	-12
2430	32	31	31	24	11	0	4	7	10	25	2950	-15	-14	-14	-16	-16	-13	-10	-7	-1	5
2440	37	35	29	15	11	12	14	14	15	-4	2960	9	13	11	4	-2	-11	-23	-32	-36	-35
2450	-15	-30	-35	-34	-29	-29	-29	-27	-29	-29	2970	-32	-33	-31	-25	-16	-7	-7	9	15	22
2460	-32	-40	-41	-35	-23	-22	-9	-3	10	18	2980	28	31	30	27	27	26	25	22	15	8
2470	28	38	52	61	63	63	55	44	33	18	2990	6	9	9	6	5	1	-4	-10	-15	-15
2480	11	-4	-10	-10	-5	9	17	21	21	27	3000	-13	-9	-4	0	0	0	3	0	50	48
2490	27	25	30	36	37	33	33	31	27	-23	3010	13	17	24	34	43	48	50	50	48	48
2500	-42	-53	-48	-46	-40	-37	-31	-28	-6	6	3020	44	35	24	19	20	22	22	24	25	25
2510	16	27	37	44	47	48	48	48	48	44	3030	22	19	19	17	14	11	11	10	9	9
2520	44	46	49	51	52	52	48	44	36	28	3040	9	7	7	5	2	-2	-6	-6	-6	-6
2530	26	22	21	18	6	0	0	-4	-4	-4	3050	-6	-7	-8	-9	-8	-8	-8	-9	-9	-9
2540	-6	-13	-14	-12	-12	-16	-19	-12	-6	-4	3060	-9	-9	-9	-10	-6	0	5	9	12	18

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1729 DOWN )

CONTINUED( S-1729 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
3070	21	21	21	21	21	20	20	20	20	20
3080	18	13	9	5	0	-5	-8	-7	-5	-4
3090	-3	-6	-12	-19	-28	-40	-38	-32	-24	-6
3100	-10	-1	6	11	13	12	10	9	6	6
3110	0	-5	-2	3	13	21	26	29	30	29
3120	29	30	33	35	34	31	25	18	8	0
3130	-4	-8	-7	-4	3	11	14	15	12	4
3140	-2	-9	-14	-21	-27	-39	-29	-25	-16	0
3150	-13	-10	-8	-18	-28	-41	-17	-25	-32	-35
3160	-34	-30	-24	-18	-10	-1	4	11	18	22
3170	23	23	26	26	28	28	29	34	34	37
3180	40	43	44	49	54	55	55	54	48	33
3190	17	-2	-10	-17	-23	-24	-26	-23	-15	-13
3200	-9	-5	-2	0	0	0	-1	-5	-5	-6
3210	-6	-4	0	0	0	0	0	-2	-3	-2
3220	0	0	0	1	1	1	0	-2	-2	-4
3230	-9	-15	-19	-25	-33	-43	-20	-18	-14	-8
3240	-5	-5	-7	-7	-6	-3	1	4	7	9
3250	9	9	9	9	9	9	7	2	-1	1
3260	21	24	24	23	21	12	6	2	2	12
3270	-12	-11	-6	-5	-8	-8	-10	-15	-22	-26
3280	-25	-28	-30	-30	-28	-26	-25	-22	-15	-10
3290	-4	5	13	17	21	23	17	6	-5	-15
3300	-24	-24	-24	-22	-11	-1	2	6	7	8
3310	9	8	6	3	0	-2	-4	-8	-10	-11
3320	-11	-10	-10	-8	-4	1	5	15	17	22
3330	28	27	21	21	19	14	8	3	-1	-1
3340	1	9	14	19	17	3	-9	-16	-25	-35
3350	-39	-29	-23	-21	-20	-21	-19	-13	-7	-3
3360	4	10	12	12	16	16	19	22	23	24
3370	14	12	11	12	16	16	19	22	23	24
3380	22	10	8	8	8	8	9	9	9	8
3390	3	-2	-4	-3	-3	-6	-11	-13	-14	-14
3400	-14	-15	-16	-17	-17	-17	-15	-10	-9	-7
3410	-6	-5	-3	5	9	11	11	10	6	3
3420	1	4	7	11	11	3	0	1	5	3
3430	0	1	4	7	7	4	0	-6	-11	-16
3440	-18	-15	-10	-5	-4	0	5	7	5	-5
3450	-4	-11	-21	-32	-37	-39	-42	-44	-46	-49
3460	-51	-51	-49	-42	-37	-29	-21	-13	-3	-3
3470	2	12	23	28	30	30	30	24	18	11
3480	5	2	0	-4	-8	-10	-10	-11	-11	-11
3490	-9	-9	-8	-8	-6	-3	3	6	9	12
3500	14	19	21	21	21	23	23	22	16	16
3510	16	16	14	14	8	3	-1	-4	-7	-9
3520	-10	-12	-16	-22	-31	-35	-37	-34	-28	-26
3530	-23	-23	-23	-23	-23	-24	-28	-29	-28	-28
3540	-23	-23	-20	-14	-11	-6	0	6	7	9
3550	10	10	10	10	0	-2	-8	-10	-6	0
3560	-3	-4	-4	-4	-7	-8	-11	-20	-20	-20
3570	-20	-19	-13	-8	-8	-8	-8	-9	-13	-16
3580	-18	-18	-17	-14	-10	-8	-3	2	6	8

TO BE CONTINUED

TO BE CONTINUED

CONTINUED< S-1729 DOWN >

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
4110	-4	-4	-4	-5	-6	-7	-11	-13	-13	-13
4120	-12	-11	-11	-8	-6	-6	-6	-6	-6	-6
4130	-6	-4	-4	-1	-1	-1	0	3	4	4
4140	6	10	11	17	19	17	16	16	15	13
4150	11	11	12	8	5	5	4	1	0	0
4160	0	0	0	0	0	0	9	12	12	9
4170	5	3	0	-6	-13	-17	-21	-24	-24	-23
4180	-21	-19	-19	-18	-17	-10	-5	-2	4	9
4190	11	13	15	17	18	20	23	25	23	22
4200	22	22	19	14	8	4	4	-1	-4	-10
4210	-17	-21	-24	-24	-22	-18	-12	-8	-6	-3
4220	1	6	12	15	13	13	13	13	13	13
4230	12	8	6	6	6	6	8	9	7	3
4240	-4	-10	-15	-17	-17	-13	-10	-10	-10	-10
4250	-10	-10	-10	-11	-12	-12	-10	-5	-5	-6
4260	-8	-9	-8	-8	-10	-12	-14	-15	-14	-13
4270	-12	-11	-7	-1	3	5	5	11	20	22
4280	22	21	20	18	14	16	20	20	17	14
4290	14	13	11	7	5	6	7	5	3	3
4300	2	0	0	0	-2	-5	-5	-5	-4	-3
4310	-2	-2	-1	0	1	3	4	7	7	8
4320	11	13	14	14	10	5	5	1	2	8
4330	9	11	12	12	14	17	18	22	21	19
4340	14	4	1	-1	-2	-2	-2	-2	-3	-4
4350	2	4	5	4	4	2	0	-2	-3	-4
4360	-3	-2	0	2	4	6	8	10	11	13
4370	14	14	12	9	6	3	0	-3	-5	-7
4380	-12	-18	-20	-20	-21	-25	-26	-26	-28	-30
4390	-30	-30	-30	-30	-29	-29	-23	-21	-19	-18
4400	-16	-14	-12	-10	-9	-7	-4	-1	2	7
4410	8	10	13	13	13	13	13	13	13	13
4420	14	14	14	13	12	7	4	1	0	3
4430	2	0	0	-1	-1	-1	-1	-1	-1	-2
4440	-1	1	4	7	9	11	11	11	11	8
4450	6	3	1	0	-2	-5	-8	-9	-10	-11
4460	-11	-11	-11	-11	-11	-10	-10	-10	-11	-11
4470	-11	-11	-11	-11	-8	-6	-3	0	1	3
4480	4	4	2	0	0	1	5	8	12	15
4490	17	21	23	24	24	24	22	19	13	10
4500	11	11	10	10	8	4	2	1	0	0
4510	-2	-4	-6	-9	-12	-13	-13	-13	-13	-13
4520	-13	-13	-10	-5	-3	-1	1	3	6	10
4530	13	17	18	18	18	17	15	14	11	9
4540	4	3	3	-4	-6	-7	-7	-7	-7	-7
4550	-1	-1	-3	-4	-4	-4	-4	-4	-4	-4
4560	-8	-9	-7	-1	1	2	2	2	1	0
4570	0	-2	-1	1	2	3	3	3	3	4
4580	6	7	7	6	4	3	1	1	2	2
4590	0	-1	-3	-5	-5	-5	-5	-5	-5	-5
4600	-5	-5	-5	-5	-5	-5	-5	-7	-8	-8
4610	-8	-8	-8	-7	-6	-6	-4	-2	0	0
4620	1	1	0	-2	-6	-7	-8	-8	-8	-9

TO BE CONTINUED

CONTINUED< S-1729 DOWN >

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
4630	-11	-16	-16	-16	-16	-16	-16	-16	-16	-14
4640	-14	-14	-10	-7	-5	-3	-1	6	9	8
4650	7	7	7	7	7	7	9	11	12	13
4660	14	14	15	15	15	12	11	11	11	10
4670	10	6	3	-2	-4	-8	-10	-15	-17	-19
4680	-19	-19	-20	-20	-16	-13	-10	-7	-2	-1
4690	0	1	5	5	5	5	7	7	7	7
4700	7	9	9	9	9	5	3	4	5	5
4710	0	-1	-1	-1	-3	-3	-2	0	1	4
4720	4	4	3	1	0	-4	-4	-5	-5	-4
4730	-3	2	3	5	5	6	6	7	7	7
4740	4	1	0	0	0	0	0	0	0	0
4750	-2	-4	-4	-5	-6	-7	-7	-7	-7	-7
4760	-7	-5	-5	-7	-7	-8	-8	-6	-3	0
4770	0	1	2	13	15	18	16	15	15	15
4780	6	5	4	3	3	3	4	4	2	4
4790	2	1	0	-2	-4	-4	-4	-4	-5	-4
4800	-4	-4	-6	-7	-7	-10	-10	-10	-10	-8
4810	-6	-5	-5	-3	2	2	3	3	3	9
4820	9	7	7	7	7	7	7	7	7	7
4830	14	15	15	23	25	25	25	25	21	14
4840	12	11	11	10	7	6	2	-2	1	-8
4850	-11	-12	-13	-18	-23	-23	-22	-20	-20	-17
4860	-7	-7	-7	-4	-1	-1	5	9	13	7
4870	-19	-19	-19	-18	-18	-18	-15	-15	-15	-7
4880	14	14	15	15	15	12	7	16	16	16
4890	14	9	6	5	0	0	0	-2	-5	-5
4900	-5	-5	-8	-8	-8	-8	-6	-6	-5	-5
4910	-4	-3	0	0	0	0	2	3	7	9
4920	9	10	10	10	4	4	-1	1	0	1
4930	5	5	5	5	5	5	5	11	11	13
4940	15	15	15	15	12	11	11	11	14	14
4950	14	14	9	9	8	4	3	2	0	1
4960	0	-7	-8	-6	-6	-6	-6	-6	-6	-6
4970	-6	-6	-6	-6	-12	-10	-10	-11	-9	-5
4980	-5	-1	0	7	11	11	11	11	10	10
4990	10	10	9	8	7	2	1	1	0	-1
5000	-1	2	2	3	3	6	6	6	5	5
5010	5	5	5	5	4	6	6	6	6	5
5020	1	-2	-3	-7	-13	-15	-15	-15	-15	-15
5030	-14	-13	-12	-10	-9	-8	-6	0	0	-2
5040	-2	-1	-1	0	0	0	3	5	5	5
5050	4	4	4	4	4	6	4	1	0	0
5060	0	0	-3	-7	-9	-9	-12	-14	-15	-17
5080	-18	-18	-18	-16	-15	-13	-11	-9	-6	-4
5090	-1	0	0	1	1	8	8	7	7	8
5100	9	8	8	8	7	5	2	0	-4	-9
5110	-10	-10	-8	-5	-4	-2	-2	-1	0	2
5120	5	5	5	8	9	13	15	15	15	15
5130	16	16	20	22	22	22	22	23	22	17
5140	13	9	8	9	9	10	11	11	13	14

TO BE CONTINUED

CONTINUED( S-1729 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5150	15	15	10	2	0	0	0	-2	-1	0
5160	0	1	5	3	3	0	3	3	6	6
5170	4	5	8	9	9	8	9	10	10	11
5180	14	15	15	14	9	7	6	4	0	-5
5190	-7	-11	-13	-13	-12	-10	-7	-7	-8	-8
5200	-8	-8	-7	-7	-8	-8	-9	-13	-14	-14
5210	-14	-14	-13	-10	-6	-3	2	7	9	8
5220	9	10	11	14	15	15	14	14	12	14
5230	10	9	9	7	3	1	1	0	-3	-4
5240	-5	-5	-7	-8	-9	-11	-11	-11	-10	-10
5250	-8	-5	-3	-1	0	2	4	2	0	-2
5260	-4	-5	-5	-5	-6	-9	-11	-11	-8	-8
5270	-9	-6	-6	-7	-8	-2	-1	-1	-1	-1
5280	1	6	8	9	11	13	10	6	5	5
5290	6	7	8	8	8	8	8	8	8	8
5300	8	7	6	6	6	5	5	-3	-8	-9
5310	-12	-14	-11	-11	-19	-15	-10	-8	-4	1
5320	6	9	11	11	11	11	11	12	12	12
5330	12	12	12	12	12	12	12	10	8	8
5340	8	9	10	10	10	10	8	6	6	7
5350	9	10	9	8	8	5	4	1	0	-1
5360	-4	-6	-7	-8	-8	-7	-6	-6	-6	-6
5370	-6	-6	-2	0	0	0	0	0	0	0
5380	0	0	0	0	0	0	0	0	0	0
5390	0	0	0	0	1	2	2	2	2	1
5400	0	0	2	7	8	10	11	13	15	13
5410	9	10	11	11	4	8	8	5	3	3
5420	1	0	0	-3	-7	-7	-5	-3	-2	-2
5430	-1	-1	-1	-1	-1	0	0	2	3	4
5440	-4	-4	-4	-4	-4	-4	-4	0	-1	-3
5450	-3	-4	-6	-7	-7	-6	-5	-4	-4	-4
5460	-4	-4	-6	-8	-9	-10	-10	-8	-5	-5
5470	-5	-5	-3	-2	0	2	3	3	4	4
5480	6	8	9	10	10	10	10	11	11	11
5490	10	9	10	10	10	10	10	11	10	9
5500	8	8	8	8	8	8	8	11	14	12
5510	10	8	7	7	6	6	6	6	6	6
5520	7	7	7	7	6	3	0	-5	-9	-11
5530	-16	-21	-21	-21	-21	-20	-18	-18	-15	-12
5540	-9	-4	-2	-1	-1	0	1	3	7	9
5550	9	9	9	9	9	9	9	7	3	0
5560	0	0	0	0	-2	-7	-7	-7	-7	-7
5570	-8	-10	-11	-11	-11	-11	-11	-11	-11	-11
5580	-11	-11	-11	-11	-11	-11	-11	-11	-11	-11
5590	-11	-11	-11	-11	-11	-11	-11	-10	-10	-9
5600	-8	-7	-7	-7	-7	-6	-6	-6	-6	-6
5610	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
5620	-8	-6	0	0	0	0	0	0	3	4
5630	4	4	4	4	5	5	5	5	6	6
5640	6	6	4	3	2	3	5	5	5	5
5650	5	4	2	1	0	-1	-3	-8	-9	-8
5660	-5	-3	-4	-7	-9	-10	-10	-8	-8	-7

TO BE CONTINUED

CONTINUED( S-1729 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5670	-7	-7	-7	-8	-9	-10	-12	-11	-9	-7
5680	-5	-3	-2	-2	0	-1	-4	-3	-2	-1
5690	0	2	2	3	3	1	3	3	3	4
5700	5	4	2	2	4	0	-2	-2	-2	-1
5710	0	2	4	5	5	4	3	3	2	2
5720	1	-1	-2	-2	-3	-3	-4	-4	-4	-4
5730	-4	-5	-6	-7	-7	-7	-7	-7	-7	-7
5740	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
5750	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
5760	-9	-10	-11	-12	-12	-11	-7	-6	-6	-6
5770	-9	-7	-6	-3	0	3	3	5	12	13
5780	14	15	14	11	7	9	6	-1	-3	-5
5790	-6	-7	-7	-7	-7	-8	-8	-8	-7	-7
5800	-7	-8	-10	-11	-12	-13	-13	-13	-13	-13
5810	-11	-13	-13	-9	9	7	3	3	-3	-4
5820	-9	-10	-12	-13	-13	-13	-14	-14	-14	-14
5830	-11	-11	-10	-9	-9	-10	-12	-14	-14	-14
5840	-23	-22	-21	-21	-21	-22	-22	-24	-26	-25
5850	-22	-22	-22	-22	-19	-8	-5	-2	-2	-2
5860	4	4	4	4	8	8	8	8	6	6
5870	4	2	2	2	5	5	5	5	4	3
5880	1	5	9	13	19	22	22	22	22	22
5890	22	22	22	22	22	22	21	17	15	12
5900	10	10	11	11	11	11	11	10	6	4
5910	4	4	4	4	4	7	9	11	4	3
5920	0	-5	-4	-4	-1	-1	0	0	0	0
5930	0	0	0	-4	-5	-7	-7	-9	-10	-10
5940	-10	-10	-9	-7	-5	-5	-5	-5	-5	-4
5950	0	3	5	8	11	15	15	15	15	15
5960	15	15	13	8	4	4	4	4	4	4
5970	-2	-2	-2	-2	-2	-2	-2	-2	-1	-1
5980	7	10	12	12	12	12	12	11	11	11
5990	10	6	6	1	-3	-9	-10	-10	-10	-11

END

RECORD = S-1734 COMPONENT = S05E STATION = OITA-S  
 DATE AND TIME = 1984-08-07 04:06 TOTAL NUMBER OF DATA = 6000  
 SAMPLING INTERVAL = 0.010 (SEC) SIGNAL = GR. ACC.  
 CONNECTION POINT IN DATA NUMBER = 3058, 6000,

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-5	-5	-5	-5	-5	-5	-5	-5	-5	-4
10	-4	-4	-4	-3	-3	-3	-3	-2	0	4
20	7	10	10	10	10	10	9	8	5	0
30	-3	-7	-10	-11	-4	1	3	3	3	3
40	3	3	3	4	6	7	8	11	14	18
50	21	24	26	27	28	29	30	33	35	35
60	34	29	14	-10	-33	-54	-70	-65	-52	-41
70	-31	-21	-14	-7	3	11	17	18	24	33
80	42	48	49	44	30	14	-1	-14	-22	-25
90	-26	-28	-33	-37	-40	-46	-53	-54	-39	-11
100	7	26	36	37	30	26	36	46	55	65
110	76	82	83	82	82	78	70	69	60	44
120	15	-6	-28	-44	-49	-51	-52	-51	-50	-43
130	-36	-25	-13	0	17	30	32	23	3	-17
140	-27	-18	-11	-6	1	7	-2	-18	-31	-39
150	-44	-52	-51	-41	-35	-26	-18	-29	-42	-58
160	-69	-67	-47	-56	-22	-11	3	7	7	0
170	10	37	70	100	128	144	142	122	95	74
180	63	61	55	42	33	26	11	2	-6	-5
190	0	6	11	19	26	29	35	45	51	57
200	67	74	77	78	69	49	18	-10	-40	-85
210	-122	-135	-122	-112	-104	-96	-87	-74	-52	-40
220	-30	-30	-32	-16	1	19	41	66	71	53
230	29	6	-11	-19	-8	-6	-4	3	-5	-11
240	-16	-25	-20	-2	20	34	35	34	39	46
250	57	67	69	66	54	42	30	26	16	3
260	1	11	20	22	22	7	0	-11	-13	-23
270	-28	-37	-42	-40	-38	-42	-48	-58	-59	-47
280	-22	3	35	64	87	94	95	95	88	72
290	50	25	-10	-16	-1	9	18	21	27	24
300	10	-7	-8	3	9	10	10	10	6	10
310	26	44	47	43	34	31	14	-11	-27	-31
320	-27	-17	-9	-8	-18	-25	-36	-36	-29	-22
330	-15	-15	-16	-17	-25	-27	-26	-3	17	30
340	44	48	41	26	9	-1	-13	-24	-35	-42
350	-48	-54	-58	-40	-7	28	49	63	80	90
360	91	88	81	71	68	66	65	60	47	23
370	6	117	117	117	115	104	90	81	60	35
380	116	117	117	117	115	104	90	81	60	35
390	-19	-55	-106	-159	-190	-205	-204	-192	-170	-143
400	-115	-81	-25	28	99	150	181	198	176	129
410	61	2	-36	-54	-69	-79	-77	-68	-62	-67
420	-81	-82	-58	-31	-4	17	30	40	56	62
430	64	66	69	69	62	54	41	38	38	31
440	29	22	4	-19	-31	-50	-50	-34	-19	0
450	15	27	29	26	20	41	64	72	78	76
460	73	84	103	114	114	108	77	31	-10	-39

TO BE CONTINUED

TO BE CONTINUED



CONTINUED ( S-1734 )

CONTINUED ( S-1734 )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )	NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
990	99	111	113	113	112	109	102	92	81	67	1510	-215	-144	-68	-28	209	99	144	176	208	215
1000	49	13	-14	-37	-54	-68	-78	-64	-37	6	1520	173	121	58	-12	-56	-69	-28	6	54	129
1010	9	20	31	24	3	-25	-54	-111	-147	-174	1530	183	203	197	190	188	201	214	220	228	232
1020	-172	-157	-140	-124	-112	-107	-124	-123	-123	-117	1540	204	191	161	57	-45	-136	-284	-370	-397	-371
1030	-107	-88	-63	-19	0	17	28	41	52	8	1550	-359	-286	-231	-167	-108	-86	-64	-40	-25	-23
1040	62	65	72	73	61	42	21	8	5	8	1560	-24	-24	-16	7	52	100	128	167	234	284
1050	11	18	21	25	25	29	35	56	88	119	1570	315	322	322	320	320	320	310	285	242	242
1060	151	177	199	210	205	194	173	153	130	95	1580	216	187	161	158	171	175	164	97	0	-73
1070	51	9	-10	-17	-19	-28	-40	-63	-95	-117	1590	-156	-210	-204	-162	-132	-100	-170	-67	-94	-124
1080	-144	-170	-178	-177	-168	-159	-136	-107	-81	-75	1600	-146	-174	-190	-185	-151	-118	-94	-16	-13	-13
1090	-54	-42	-41	-36	-22	6	28	53	72	82	1610	4	2	-28	-65	-84	-112	-113	-104	-76	-47
1100	78	69	48	27	12	3	16	35	54	70	1620	-2	30	52	67	94	118	138	154	170	173
1110	82	91	94	94	87	73	52	21	-12	-59	1630	165	142	118	83	55	13	-28	-35	7	58
1120	-85	-84	-64	-37	-16	1	8	15	27	33	1640	93	143	195	228	247	246	210	165	126	86
1130	37	50	68	82	105	123	136	148	151	145	1650	52	12	-23	-41	-79	-149	-225	-296	-352	-381
1140	159	103	68	27	-11	-44	-65	-77	-82	-82	1660	-389	-367	-313	-227	6	93	182	262	309	309
1150	-80	-66	-63	-73	-87	-101	-110	-118	-121	-128	1670	331	313	269	215	174	141	113	105	104	104
1160	-128	-121	-117	-116	-116	-116	-121	-116	-116	-108	1680	97	90	82	74	79	93	99	99	75	42
1170	-99	-98	-111	-133	-148	-162	-162	-162	-160	-151	1690	-8	-111	-270	-410	-387	-511	-467	-378	-301	-210
1180	-133	-111	-88	-56	-28	6	36	68	99	120	1700	-135	-57	7	55	121	192	248	308	364	409
1190	134	146	153	140	98	51	7	-71	-129	-181	1710	450	455	394	280	141	10	-113	-194	-260	-349
1200	-205	-207	-209	-204	-189	-163	-144	-134	-117	-105	1720	-405	-399	-340	-261	-172	-86	-21	26	72	112
1210	-90	-78	-70	-61	-46	-19	-3	8	20	30	1730	141	194	241	284	323	350	355	351	321	282
1220	37	38	44	51	65	81	97	110	125	142	1740	227	172	96	10	-148	-500	-401	-501	-602	-647
1230	160	198	217	228	251	232	238	246	252	253	1750	1750	1647	122	96	-544	-487	-594	-208	-122	-15
1240	241	211	162	107	50	-10	-30	-87	-96	-97	1760	57	114	183	234	255	237	194	83	-85	-200
1250	-248	-212	-159	-107	-23	18	32	-12	-12	-136	1770	-262	-312	-336	-333	-325	-314	-305	-293	-278	-257
1260	-178	-202	-196	-158	-131	-90	-32	22	72	105	1780	-220	-195	-167	-131	-107	-86	-81	-78	-64	-29
1270	123	142	150	143	122	83	34	-37	-112	-212	1790	-6	28	61	80	83	69	50	35	14	4
1280	-315	-377	-440	-475	-477	-422	-337	-235	-156	-118	1800	9	32	49	73	94	106	111	124	161	209
1290	70	160	193	232	270	291	322	350	356	338	1810	251	310	385	429	477	532	560	559	524	444
1300	322	309	299	297	297	305	316	318	291	252	1820	345	246	162	81	11	-35	-67	-86	-81	-45
1310	210	164	122	92	69	58	50	48	99	30	1830	-13	10	24	27	29	31	39	46	53	54
1320	23	22	32	52	79	94	110	109	71	37	1840	247	17	-9	-50	-82	-123	-159	-189	-203	-212
1330	-6	-34	-44	-33	-18	-14	-14	-40	-82	-100	1850	-215	-227	-255	-287	-314	-331	-349	-372	-390	-402
1340	141	157	112	-58	-13	59	96	89	22	-95	1860	-611	-412	-385	-331	-285	-245	-215	-189	-174	240
1350	-254	-359	-567	-650	-669	-679	-657	-609	-549	-492	1870	274	295	300	303	306	306	310	317	315	312
1360	433	456	451	413	43	175	290	367	407	401	1880	310	310	314	320	324	325	319	307	287	251
1370	364	327	277	234	178	118	71	66	112	159	1890	198	125	56	-5	-31	-27	4	37	65	87
1380	211	158	208	278	350	413	450	463	429	364	1900	104	115	122	129	139	150	153	153	137	107
1390	140	163	161	177	-29	-138	-191	-251	-214	-280	1910	74	35	-14	-59	-99	-131	-141	-158	-162	-161
1400	-219	-164	-92	7	95	142	163	184	207	233	1920	130	-91	-44	-3	47	85	120	165	197	221
1410	257	278	286	273	225	110	-73	-214	-273	477	1930	-52	-49	-48	-34	-17	-1	30	61	81	105
1420	1430	244	170	-27	114	223	309	380	433	464	1940	8	-39	-46	-53	-65	-72	-74	-74	-71	-63
1430	476	362	247	97	-48	-259	-411	-531	-616	-667	1950	241	263	269	254	220	182	144	106	60	22
1440	-678	-665	-659	-571	-523	-505	-535	-585	-626	-656	1960	-8	79	145	196	230	-236	-198	-138	-94	-34
1470	-675	-664	-658	-584	-491	-378	-241	-75	166	425	1970	8	39	56	60	60	62	67	73	80	81
1480	657	769	867	942	909	807	643	340	135	-423	1980	37	65	41	23	14	15	31	50	76	67
1490	-177	-268	-321	-333	-358	-371	-370	-286	-265	-218	1990	79	95	65	41	23	14	15	31	50	76
1500	-183	-129	-65	-117	-173	-275	-296	-337	-356	-350	2000	98	115	124	126	126	117	98	69	42	19

TO BE CONTINUED

TO BE CONTINUED

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
2030	11	19	32	44	49	48	26	-6	-35	-102	-44	-60	-68	-69	-61	-41	-12	10	27	
2040	-180	-225	-243	-236	-200	-173	-133	-104	-63	-4	2550	39	52	58	45	34	32	35	41	
2050	43	84	119	148	169	173	157	111	35	-40	2560	52	58	53	55	68	77	87	94	
2060	-103	-141	-162	-165	-156	-120	-75	-27	16	45	2570	106	110	103	92	75	29	-63	-91	
2070	69	89	93	88	69	49	26	10	-23	-67	2580	-137	-167	-181	-176	-158	-129	-92	50	
2080	-103	-137	-160	-175	-178	-177	-162	-142	-108	-83	2590	51	95	136	169	191	202	182	159	
2090	-51	-13	28	84	186	215	232	236	225	225	2600	87	11	-83	-179	-256	-304	-346	-322	
2100	211	194	178	154	125	106	110	115	116	117	2620	-294	-263	-230	-188	-156	-128	31	56	
2110	106	98	99	121	169	169	178	177	149	117	2630	126	148	163	170	167	154	134	95	
2120	77	34	-10	-52	-79	-85	-54	-24	-4	0	2640	39	20	3	4	10	35	75	144	
2130	0	-3	-33	-49	-59	-61	-61	-63	-75	-99	2650	199	216	223	225	226	236	239	227	
2140	-140	-176	-250	-277	-299	-304	-285	-261	-233	-208	2660	189	165	153	132	107	94	91	89	
2150	-180	-250	-304	-327	-304	-285	-261	-233	-208	-231	2670	67	44	31	-9	-47	-58	-43	27	
2160	286	306	275	214	144	82	38	7	-6	10	2680	138	184	218	238	246	238	208	177	
2170	28	47	71	90	100	120	144	172	189	215	2690	109	79	45	-46	-135	-171	-253	-234	
2180	245	258	270	269	250	211	160	85	-4	-78	2700	-186	-158	-128	-103	-72	-48	-9	21	
2190	-130	-162	-178	-160	-129	-114	-83	-69	-40	-13	2710	9	-28	-84	-140	-220	-258	-275	-267	
2200	3	12	14	8	0	-1	-1	5	0	-1	2720	-202	-186	-162	-134	-114	-105	-93	-85	
2210	2	-4	2	7	1	-9	-21	-46	-65	-84	2730	-40	-17	-4	9	18	21	18	21	
2220	-90	-96	-86	-73	-62	-48	-44	-33	-26	-22	2740	49	52	52	51	45	31	23	17	
2230	-9	6	10	10	-8	-25	-46	-72	-106	-136	2750	-7	-11	-13	-18	-18	-19	-19	-24	
2240	-141	-124	-108	-71	-36	-1	41	67	88	101	2760	-60	-70	-79	-87	-97	-107	-99	-80	
2250	106	113	116	113	122	131	129	128	120	101	2770	-21	1	33	48	60	81	96	108	
2260	94	83	70	44	18	-7	-27	-46	-66	-83	2780	118	107	94	79	63	50	45	45	
2270	-93	-94	-81	-70	-63	-66	-28	-7	9	28	2790	98	121	138	164	186	201	205	205	
2280	66	70	79	83	85	57	26	-7	-66	-93	2800	185	161	144	132	122	117	97	80	
2290	-139	-167	-193	-234	-248	-239	-263	-259	-239	-208	2810	4	-36	-77	-109	-158	-184	-199	-199	
2300	-170	-127	-76	-15	46	112	182	231	232	187	2820	-196	-194	-189	-186	-183	-180	-174	-151	
2310	140	78	12	-85	-134	-200	-216	-234	-226	-213	2830	-112	-105	-95	-85	-85	-85	-85	-85	
2320	-191	-137	-96	-7	61	89	119	142	149	151	2840	15	2	-14	-28	-51	-70	-101	-125	
2330	151	139	125	104	83	62	42	31	17	0	2850	-153	-134	-106	-77	-35	3	41	73	
2340	-21	-34	-49	-59	-72	-103	-109	-94	-58	-22	2860	116	117	116	109	94	88	74	47	
2350	27	77	112	138	155	158	157	148	134	112	2870	-17	-36	-53	-66	-64	-46	-23	2	
2360	65	21	-29	-60	-95	-114	-112	-95	-64	-37	2880	51	76	103	133	155	164	166	165	
2370	-20	-1	18	32	62	89	117	142	170	198	2890	110	91	65	43	27	15	14	15	
2380	220	226	228	228	226	214	190	162	128	67	2900	55	63	76	92	116	145	164	175	
2390	10	-58	-122	-172	-208	-227	-227	-222	-209	-192	2910	165	154	144	132	120	108	98	79	
2400	-169	-135	-106	-68	-35	4	28	36	36	21	2920	28	13	8	7	16	22	24	26	
2410	3	-13	25	-27	-37	-39	-40	-39	-38	-33	2930	23	24	22	21	16	6	6	5	
2420	-26	-10	14	37	49	67	110	149	183	218	2940	-30	-40	-47	-52	-70	-80	-95	-108	
2430	237	239	233	218	204	182	152	106	66	22	2950	-114	-119	-119	-122	-125	-135	-148	-164	
2440	44	98	-135	-166	-194	-203	-201	-194	-181	-168	2960	-164	-143	-124	-103	-72	-52	-34	-1	
2450	-151	-134	-110	-70	-46	-14	31	81	116	140	2970	53	77	94	115	133	145	147	147	
2460	164	195	221	223	188	139	92	47	2	-33	2980	149	158	166	169	169	162	146	131	
2470	-65	-95	-124	-149	-167	-188	-185	-165	-123	-83	2990	106	83	68	64	59	53	49	48	
2480	-35	12	63	90	94	85	79	91	113	154	3000	17	2	-6	-6	-24	-26	-27	-34	
2490	186	205	223	226	207	150	91	36	17	-66	3010	-18	-9	-3	5	7	11	16	17	
2500	-87	-130	-148	-138	-102	-49	-9	-33	80	117	3020	17	22	25	28	30	30	26	24	
2510	148	155	136	107	65	20	-6	-42	-71	-112	3030	28	32	35	37	38	37	29	28	
2520	-150	-170	-199	-210	-206	-189	-175	-162	-147	-137	3040	28	28	24	24	24	24	24	24	
2530	-129	-109	-96	-73	-47	-34	-19	-6	0	0	3050	-98	-113	-130	-136	-136	-135	-108	-104	
2540	16	31	47	60	65	65	51	34	23	-10	3060	-57	-50	-46	-43	-36	-32	-29	-29	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1734 S05E )

	NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
	3070	-38	-54	-68	-75	-84	-86	-83	-60	-33	-20
	3080	-10	12	27	39	47	57	66	71	81	96
	3090	99	111	108	111	114	114	121	125	126	126
	3100	129	133	134	134	137	137	142	146	150	156
	3110	56	24	-2	-17	-29	-39	-37	-30	-26	-21
	3120	-18	-16	-6	0	4	2	-9	-18	-31	-48
	3130	-56	-80	-103	-124	-144	-153	-167	-166	-163	-150
	3140	-139	-123	-98	-63	-39	-13	12	38	54	66
	3150	72	176	79	70	75	77	85	95	106	113
	3160	115	113	104	90	79	69	56	40	32	21
	3170	8	0	-16	-29	-36	-37	-37	-31	-28	-33
	3180	-43	-53	-59	-59	-59	-57	-41	-29	-18	-9
	3190	-2	0	-1	-2	-2	-3	-7	-15	-31	-45
	3200	-57	-79	-91	-107	-107	-88	-81	-71	-59	-48
	3210	-38	-23	-16	-9	-13	-20	-28	-32	-32	-22
	3220	-20	-13	-7	3	13	21	28	39	48	52
	3230	60	62	64	69	78	83	88	96	107	120
	3240	132	140	144	139	115	98	92	76	57	42
	3250	27	24	6	-14	-25	-12	9	28	51	71
	3260	95	116	129	131	123	110	94	60	36	21
	3270	10	-3	-10	-13	-15	-16	-18	-19	-28	-38
	3280	-38	-34	-32	-32	-33	-48	-59	-64	-44	-23
	3290	-7	11	27	38	43	48	49	51	54	54
	3300	54	54	51	45	27	9	-11	-21	-23	-43
	3310	-63	-75	-76	-76	-60	-45	-32	-17	-5	9
	3320	21	24	4	-9	-35	-52	-70	-85	-93	-94
	3330	-94	-90	-81	-71	-66	-40	-18	-3	24	47
	3340	60	63	54	39	18	2	13	-34	-40	-40
	3350	-30	-27	-26	-22	-19	7	32	49	65	78
	3360	94	97	96	81	70	55	43	31	26	26
	3370	27	27	27	26	16	8	-3	-14	-28	-37
	3380	-42	-47	-54	-55	-56	-60	-64	-69	-69	-72
	3390	-76	-73	-69	-65	-55	-50	-38	-24	-9	3
	3400	15	26	34	39	40	40	35	24	6	-18
	3410	-50	-58	-42	-48	-49	-49	-49	-48	-36	-22
	3420	-5	15	33	51	67	73	73	68	59	49
	3430	36	31	21	16	17	12	4	1	1	6
	3440	6	5	2	-3	-7	-11	-12	-8	-2	6
	3450	11	19	26	31	31	29	23	16	12	5
	3460	-1	-7	-10	-10	-18	-22	-22	-20	-22	-32
	3470	-33	-30	-29	-20	-10	6	18	28	31	32
	3480	51	26	19	9	1	-7	-16	-18	-14	-10
	3490	-6	-7	-9	-11	-11	-16	-22	-24	-24	-25
	3500	-25	-24	-18	-8	-3	3	10	16	23	27
	3510	29	26	20	11	-1	-10	-17	-20	-24	-36
	3520	-36	-35	-29	-15	-2	11	22	24	17	9
	3530	0	-5	-10	-17	-20	-21	-20	-20	-19	-10
	3540	-5	-4	-3	-3	-7	-7	-11	-15	-9	-5
	3550	4	18	30	37	46	56	63	70	73	74
	3560	74	72	62	50	37	29	17	10	7	12
	3570	17	18	22	32	45	56	67	73	75	64
	3580	51	35	18	4	-12	-20	-51	-40	-47	-48

TO BE CONTINUED

CONTINUED( S-1734 S05E )

	NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
	3590	-64	-78	-80	-80	-67	-63	-57	-50	-44	-48
	3600	-37	-31	-33	-31	-32	-31	-31	-35	-35	-38
	3610	-45	-51	-54	-46	-46	-46	-43	-15	5	19
	3620	44	53	60	63	72	83	83	77	108	113
	3630	124	124	123	123	118	114	109	102	102	97
	3640	87	85	77	73	70	68	68	68	64	59
	3650	58	58	55	52	46	44	38	22	20	-20
	3660	-46	-49	-69	-71	-95	-103	-120	-128	-133	-147
	3670	-148	-148	-150	-150	-142	-131	-117	-97	-71	-56
	3680	-39	-36	-25	-12	-2	-2	-11	-19	-25	-33
	3690	-38	-40	-40	-40	-40	-27	-14	2	16	29
	3700	36	43	49	59	63	62	62	59	49	42
	3710	32	25	18	13	13	14	15	9	7	8
	3720	10	10	10	10	10	10	10	7	7	0
	3730	-15	-17	-22	-23	-21	-17	-15	-16	-16	-23
	3740	-27	-30	-30	-35	-35	-35	-35	-35	-32	-25
	3750	-13	-3	5	10	13	6	0	-3	-7	-8
	3760	-7	-7	-7	-5	-5	-4	0	-4	1	5
	3770	13	16	16	9	-2	-13	-27	-37	-42	-43
	3780	-43	-42	-38	-35	-31	-27	-25	-25	-21	-17
	3790	-14	-15	-13	-8	-7	-4	-4	-3	-3	-2
	3800	-2	-8	-13	-14	-14	-14	-14	-13	-6	2
	3810	7	13	18	23	29	34	36	36	36	31
	3820	20	9	6	8	13	17	22	26	34	39
	3830	42	43	44	44	44	41	31	25	19	16
	3840	8	8	8	8	8	14	17	17	15	-15
	3850	-8	2	3	14	12	12	20	23	28	30
	3860	30	32	33	34	36	36	36	30	22	13
	3870	6	6	0	-4	-5	-4	-1	-1	-6	-13
	3880	-17	-19	-19	-16	-9	-5	-3	-2	0	1
	3890	6	12	16	16	20	23	23	25	26	27
	3900	27	27	27	27	27	29	30	30	30	43
	3910	54	61	69	77	85	98	102	102	91	84
	3920	76	70	60	49	39	28	23	16	10	4
	3930	2	3	8	11	16	18	19	19	19	19
	3940	18	15	7	-2	-14	-26	-42	-53	-63	-64
	3950	-64	-61	-54	-49	-45	-40	-37	-32	-30	-29
	3960	-31	-32	-35	-40	-50	-54	-53	-49	-42	-39
	3970	-37	-37	-37	-26	-16	-16	-17	-18	-24	-36
	3980	-52	-60	-61	-62	-60	-58	-49	-36	-25	-12
	3990	-2	3	3	7	14	17	17	16	15	12
	4000	10	10	10	8	7	6	-2	-2	-5	-8
	4010	-46	-51	-52	-52	-44	-30	-19	-16	-11	-8
	4020	-6	-6	-9	-9	-15	-15	-15	-17	-18	-20
	4030	-27	-29	-28	-27	-21	-14	-6	0	2	9
	4040	15	18	24	23	19	20	22	22	21	13
	4050	-14	12	17	17	17	17	17	18	10	12
	4060	-10	-11	-4	0	2	7	8	10	12	16
	4070	14	16	17	19	24	29	33	36	36	37
	4080	38	39	34	27	18	14	3	-3	-15	-25
	4090	-34	-40	-49	-57	-69	-74	-74	-72	-57	-52
	4100	-44	-33	-25	-19	-8	-3	0	7	10	12

TO BE CONTINUED

CONTINUED( S-1734, S05E )

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CONTINUED( S-1734, S05E )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
4110	14	13	9	1	-4	-13	-25	-38	-40	-45
4120	-48	-50	-50	-49	-40	-27	-16	0	15	17
4130	18	22	22	25	26	24	23	15	6	0
4140	-7	-13	-13	-12	-10	-7	-8	-9	-6	-5
4150	-4	-2	-2	-2	0	2	2	2	0	0
4160	0	-4	-5	-10	-13	-13	-14	-16	-18	-20
4170	-21	-18	-12	-5	-4	0	13	18	22	28
4180	32	36	38	37	31	28	24	18	20	22
4190	-9	-9	-6	-4	0	2	6	9	17	18
4200	18	18	18	18	18	16	12	3	-2	-13
4210	-22	-34	-36	-36	-38	-40	-42	-44	-47	-49
4220	-49	-49	-49	-46	-39	-30	-26	-17	-14	-11
4230	-7	-5	-3	0	2	3	7	7	3	0
4240	-7	-14	-15	-15	-15	-14	-9	-6	-4	1
4250	10	16	22	34	42	46	50	52	52	46
4260	37	29	18	3	-5	-12	-8	-7	-1	2
4270	2	2	2	2	9	10	11	15	17	17
4280	17	17	16	11	10	10	10	9	7	12
4290	-6	-14	-19	-23	-26	-28	-28	-28	-26	-18
4300	-13	0	2	11	16	15	10	-6	-13	-15
4310	-15	-20	-25	-33	-40	-44	-44	-47	-48	-47
4320	-45	-45	-45	-44	-41	-36	-41	-28	-24	-17
4330	-12	0	8	16	24	28	32	36	39	42
4340	43	45	45	45	45	45	39	31	29	31
4350	37	42	42	42	41	41	40	39	39	38
4360	30	24	17	9	1	-5	-14	-15	-14	-11
4370	-9	-8	-9	-12	-17	-22	-25	-25	-26	-27
4380	-28	-24	-30	-34	-35	-36	-38	-37	-32	-27
4390	-24	-24	-22	-20	-17	-13	-12	-7	-3	-3
4400	-3	-3	-3	-3	-3	0	4	8	8	6
4410	2	-4	-14	-17	-24	-35	-37	-37	-41	-47
4420	-48	-48	-51	-54	-57	-61	-65	-68	-68	-70
4430	-73	-75	-75	-76	-77	-77	-79	-80	-79	-77
4440	-67	-56	-45	-36	-28	-18	-3	6	11	15
4450	18	22	22	22	18	15	9	2	-2	-6
4460	0	8	15	17	18	22	27	29	30	32
4470	36	38	39	38	30	24	19	19	22	28
4480	34	37	37	37	37	37	37	37	34	32
4490	24	16	9	2	0	-6	-8	-8	-3	0
4500	0	0	-1	-3	-3	-1	1	8	9	8
4510	7	7	10	15	16	16	16	16	16	15
4520	10	5	-2	20	28	30	31	30	30	30
4530	17	17	20	23	28	30	31	30	31	29
4540	30	31	33	37	38	41	41	35	31	24
4550	21	17	9	-1	-6	-8	-8	-14	-17	-24
4560	-27	-30	-31	-32	-32	-32	-30	-28	-28	-28
4570	-28	-29	-29	-30	-30	-30	-30	-30	-31	-32
4580	-30	-30	-29	-28	-26	-24	-24	-21	-19	-16
4590	-14	-7	0	8	16	18	27	35	37	37
4600	36	36	35	32	28	15	9	5	1	-2
4610	-7	-7	-1	1	7	9	10	10	10	10
4620	7	2	5	7	7	7	2	0	-2	-4

TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1734 S05E )

CONTINUED ( S-1734 S05E )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5150	-7	-2	-2	-2	-2	-2	-2	-3	-3	-3
5160	-3	-4	-4	-4	-2	0	2	6	8	15
5170	17	19	21	21	17	16	15	15	14	8
5180	6	9	14	17	19	21	21	21	22	23
5190	25	25	25	21	17	15	14	13	7	5
5200	0	-1	-3	-2	0	0	2	3	3	0
5210	0	-3	-5	-8	-8	-8	-8	-8	-10	-9
5220	-9	-9	-9	-8	-8	-6	-3	-3	-2	0
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5240	15	16	16	16	16	14	13	8	7	7
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5260	21	25	25	23	14	7	6	15	3	0
5270	-1	-4	-8	-10	-11	-14	-15	-17	-11	-9
5280	-9	-9	-11	-16	-18	-19	-21	-23	-26	-29
5290	-31	-29	-29	-29	-30	-30	-30	-30	-30	-30
5300	-29	-29	-28	-28	-26	-23	-23	-22	-22	-18
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5320	-10	-10	-10	-10	-9	-8	-8	-7	-6	-4
5330	-3	-3	2	2	3	3	3	3	3	3
5340	7	11	14	15	17	21	23	24	22	20
5350	20	22	27	28	28	28	28	28	27	27
5360	29	30	31	32	31	31	28	26	23	19
5370	17	17	17	17	17	17	17	18	19	19
5380	20	21	22	26	28	30	30	30	30	30
5390	29	23	17	9	4	-4	-6	-6	-5	-5
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5450	15	19	21	22	23	28	32	34	34	35
5460	33	31	30	25	19	17	17	15	10	7
5470	5	4	13	15	15	15	15	17	21	23
5480	25	27	27	26	27	28	25	25	25	25
5490	25	26	26	26	26	24	21	19	17	17
5500	15	14	8	4	3	1	0	-5	-7	-7
5510	-7	-5	-3	0	1	3	6	8	8	8
5520	7	0	-5	-13	-17	-19	-24	-26	-26	-26
5530	-26	-26	-25	-25	-23	-19	-16	-10	-6	-2
5540	0	1	1	1	1	-1	-6	-16	-20	-19
5550	-21	-21	-21	-19	-18	-16	-12	-11	-9	-9
5560	-9	-6	-4	-3	-3	-2	0	0	0	0
5570	-4	-6	-8	-9	-9	-8	-6	-4	-3	-2
5580	-4	-5	-2	0	1	3	9	13	14	15
5590	16	16	17	17	17	18	21	21	21	22
5600	22	23	24	26	26	26	26	22	17	13
5610	12	8	5	4	2	1	4	4	7	8
5620	10	13	14	16	20	22	23	24	24	23
5630	22	21	19	16	16	15	9	7	6	6
5640	8	13	15	18	23	29	33	38	39	39
5650	39	39	39	38	37	37	36	32	27	23
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TO BE CONTINUED

END

RECORD = S-1734 COMPONENT = E05N STATION = OITA-S  
 DATE AND TIME = 1984-08-07-04-06 TOTAL NUMBER OF DATA = 6000  
 SAMPLING INTERVAL = 0.010 (SEC) SCAL = 0.10000  
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 CONNECTION POINT IN DATA NUMBER = 3049, 6000,

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30	-24	-17	-11	-10	22	32	40	48	49	49
40	51	40	28	18	8	7	10	13	16	17
50	15	12	6	3	2	10	19	23	24	8
60	-7	-23	-39	-51	-28	-6	16	39	24	6
70	63	47	33	22	17	19	20	16	6	-6
80	-22	-35	-44	-48	-48	-42	-30	-13	-2	-2
90	-12	-26	-29	-20	-5	15	24	39	50	53
100	34	13	-7	-20	-17	-1	13	24	30	32
110	28	14	4	-12	-29	-36	-31	-16	-8	0
120	2	8	20	32	43	50	39	22	10	10
130	0	-14	-23	-30	-33	-33	-33	-32	-24	-7
140	11	31	53	70	75	57	27	-14	-43	-49
150	-34	-6	17	25	16	-7	-31	-45	-59	-75
160	-80	-60	-37	-34	-39	-40	-38	-15	14	30
170	38	39	45	52	50	50	37	34	34	35
180	22	16	10	-12	-33	-31	0	20	29	37
190	47	54	58	60	64	70	66	49	35	15
200	-9	-35	-29	-21	-19	-18	-27	-41	-54	-79
210	-61	-28	6	60	99	109	80	41	-2	-36
220	-55	-32	-21	-7	0	-11	-32	-41	-42	-39
230	-30	-24	-6	-1	10	17	21	24	33	33
240	35	34	33	14	-4	-23	-36	-32	-15	5
250	22	40	28	25	20	19	12	4	-2	-2
260	-8	-19	-18	-15	-2	25	35	31	17	-1
270	-10	-30	-31	-6	12	22	30	31	31	33
280	33	36	38	39	37	31	14	22	42	60
290	71	71	46	19	-8	-41	-51	-48	-47	-48
300	-55	-60	-58	-44	-33	-5	14	40	55	39
310	11	-3	-19	-28	-27	-25	-21	-18	-21	-29
320	-47	-67	-68	-53	-25	2	23	43	60	74
330	74	63	46	14	-1	-6	30	47	53	53
340	55	37	15	-1	-16	-23	-11	0	10	14
350	23	33	44	55	62	61	39	7	-17	-40
360	-59	-76	-98	-106	-92	-48	12	73	127	157
370	169	158	131	109	3	-29	-42	-50	-55	-52
380	-76	-92	-99	-106	-106	-105	-92	-72	-43	-32
390	0	18	29	47	58	66	74	83	87	88
400	95	98	88	70	26	-17	-68	-107	-128	-120
410	-79	-46	8	72	132	180	214	215	174	129
420	80	18	-45	-73	-94	-94	-94	-94	-94	-88
430	-84	-84	-85	-87	-83	-78	-64	-44	-26	-5
440	5	37	52	72	76	92	115	128	129	101
450	72	37	-5	-31	-63	-87	-98	-99	-93	-52
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TO BE CONTINUED

CONTINUED ( S-1734 ED5N )

CONTINUED ( S-1734 ED5N )

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1000	66	90	98	76	40	-9	-52	-118	-139	-139
1010	-136	-129	-128	-121	-108	-90	-74	-64	-21	66
1020	115	123	102	65	38	-17	-60	-93	-108	-88
1030	-58	-33	-14	-25	-27	-26	-24	-16	6	21
1040	27	10	-2	-29	-58	-76	-68	-59	-42	-25
1050	1	3	-2	-16	-17	-18	-7	15	50	79
1060	102	121	121	92	57	29	-10	-57	-110	-153
1070	180	198	194	-182	-158	-119	-89	-60	-39	-32
1080	-62	-83	-96	-93	-71	-41	-6	28	52	64
1090	96	65	54	37	15	4	12	19	37	65
1100	71	67	47	21	-7	-28	-38	-43	-49	-50
1110	-50	-44	-33	-21	-16	5	4	2	-1	-2
1120	3	5	3	-8	-20	-37	-50	-75	-100	-114
1130	-145	-175	-200	-220	-223	-215	-193	-149	-85	-16
1140	97	193	246	275	293	289	265	230	193	155
1150	111	56	0	-39	-63	-84	-91	-82	-50	-31
1160	12	44	72	103	128	155	176	202	229	251
1170	273	288	291	272	229	174	125	83	35	55
1180	-39	-67	-95	-120	-140	-160	-164	-163	-159	-151
1190	-51	-148	-141	-139	-136	-132	-123	-102	-58	-16
1200	37	89	119	139	130	104	63	29	-20	-73
1210	-126	-162	-195	-224	-266	-312	-332	-334	-315	-285
1220	-249	-183	-81	8	109	215	298	379	468	528
1230	560	576	564	525	470	393	297	195	59	59
1240	-96	-140	-167	-162	-118	-86	-53	9	72	127
1250	173	212	226	191	149	98	31	-21	-37	-34
1260	-38	-65	-82	-96	-114	-117	-108	-91	-67	-42
1270	-89	-81	-82	-96	-114	-117	-108	-91	-67	-42
1280	-14	-11	-51	-96	-123	-184	-193	-158	-116	-78
1290	-42	8	63	113	165	214	263	310	328	317
1300	296	275	258	252	269	295	317	336	327	269
1310	192	90	-38	-146	-291	-391	-464	-495	-488	-442
1320	376	309	-183	-15	137	260	350	425	483	557
1330	630	658	642	594	484	333	128	-60	-369	-520
1340	-619	-657	-711	-748	-787	-824	-845	-837	-793	-705
1350	-587	-455	-303	-150	4	109	171	204	202	176
1360	199	69	29	27	45	77	129	185	242	297
1370	338	361	347	294	166	8	-89	-169	-205	-201
1380	-173	-132	-70	0	44	95	148	203	238	259
1390	233	132	5	-209	-288	-339	-307	-354	-194	-124
1400	-32	60	138	195	231	238	222	175	114	0
1410	-135	-284	-304	-470	-515	-539	-546	-540	-534	-534
1420	-543	-549	-547	-583	-480	-459	-379	-292	-183	-53
1430	80	215	344	455	529	571	552	472	348	203
1440	61	-98	-194	-269	-336	-369	-358	-324	-257	-174
1450	-89	14	101	170	230	289	337	381	426	462
1460	507	571	653	740	801	832	859	841	784	621
1470	369	130	-74	-155	-218	-239	-214	-162	-92	-18
1480	50	112	156	182	173	133	78	8	-8	18
1490	59	114	164	188	132	-23	-262	-470	-611	-680
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TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1734 E05N )														CONTINUED ( S-1734 E05N )													
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2040	-3	2	16	33	54	81	108	134	158	187	2560	-83	-124	-149	-176	-188	-186	-180	-172	-158	-145						
2050	198	189	182	169	165	168	170	171	168	164	2570	-134	-126	-129	-139	-140	-143	-142	-136	-119	-88						
2060	145	117	92	62	13	-26	-97	-157	-212	-261	2580	-45	7	83	155	218	262	305	358	334	328						
2070	-894	-898	-889	-860	-814	-858	-83	22	-77	112	2590	304	261	221	175	134	94	53	-2	-38	-75						
2080	131	124	104	58	16	-16	-23	-4	9	23	2600	-90	-86	-59	-32	-8	14	41	64	79	86						
2090	33	58	80	139	212	262	297	336	367	372	2610	86	71	56	44	35	27	21	12	3	-13						
2100	369	362	346	322	302	265	214	165	122	92	2620	-31	-44	-58	-70	-86	-111	-141	-166	-176	-178						
2110	74	82	94	100	96	70	43	11	-17	-43	2630	178	168	137	106	-76	-47	-23	-1	28	49						
2120	-54	-43	-38	-37	-42	-65	-103	-143	-163	-215	2640	70	80	84	85	70	36	-6	-60	-100	-125						
2130	-276	-319	-356	-372	-402	-403	-397	-378	-328	-265	2650	-129	-126	-105	-58	-18	20	62	109	162	213						
2140	-197	-134	-81	-17	51	86	127	151	173	182	2660	553	284	303	308	302	287	254	205	157	108						
2150	182	167	134	85	45	19	-3	-18	-15	-2	2670	50	-6	-39	-90	-133	-167	-193	-207	-202	-186						
2160	-1	-1	21	7	37	-67	-87	-84	-53	-17	2680	-160	-128	-128	-96	-43	-11	5	34	56	72						
2170	8	52	98	115	117	120	125	132	157	182	2690	74	72	72	72	72	56	34	13	-15	-30						
2180	291	257	304	348	365	335	310	294	239	189	2700	-53	-75	-72	-54	-38	-4	20	49	76	116						
2190	116	70	-9	-32	-49	-80	-157	-196	-202	-213	2710	148	188	219	231	232	241	250	253	233	245						
2200	-214	-209	-193	-173	-145	-100	-70	-60	-18	9	2720	230	204	164	103	21	-52	-96	-111	-108	-78						
2210	15	-13	-44	-78	-87	-104	-104	-106	-109	-137	2730	-62	-48	-38	-3	18	33	42	43	51	54						
2220	-151	-189	-224	-247	-275	-300	-320	-351	-334	-354	2740	55	45	52	12	-12	-5	1	15	32	42						
2230	-319	-295	-275	-267	-254	-229	-206	-184	-153	-122	2750	56	60	61	60	54	44	14	-34	-80	-115						
2240	-81	5	121	186	214	224	225	216	192	161	2760	-148	-175	-189	-189	-187	-177	-165	-159	-150	-144						
2250	14	149	159	185	215	229	236	240	240	243	2770	-145	-151	-167	-171	-176	-171	-158	-139	-99	-71						
2260	245	245	243	240	235	223	210	190	181	172	2780	-46	-22	-2	18	33	43	45	43	26	9						
2270	140	151	140	124	104	80	46	-2	-46	-78	2790	-14	-59	-48	-48	-43	-41	-41	-30	-23	-14						
2280	-107	-156	-156	-181	-186	-163	-130	-97	-53	9	2800	-10	-5	-4	-4	0	12	31	57	83	113						
2290	53	36	-11	-61	-142	-224	-322	-384	-432	-465	2810	140	170	191	204	203	186	166	152	126	89						
2300	-500	-522	-524	-509	-477	-442	-389	-345	-313	-270	2820	59	30	5	-5	-2	4	11	20	33	41						
2310	-211	-140	-64	0	35	78	110	117	115	101	2830	32	13	0	-28	-47	-58	-63	-74	-89	-95						
2320	88	71	40	27	12	10	11	31	42	61	2840	-103	-115	-126	-133	-147	-177	-190	-182	-166	-142						
2330	83	117	163	204	233	261	291	317	326	306	2850	-177	-189	-189	-189	-187	-177	-165	-159	-150	-144						
2340	23	238	162	102	16	-107	-169	-210	-257	-290	2860	-70	-68	-68	-67	-62	-49	-41	-29	-27	-28						
2350	-305	-309	-311	-308	-292	-258	-216	-175	-136	-71	2870	-10	4	13	23	28	45	48	48	49	52						
2360	56	182	234	298	358	398	419	407	375	334	2880	52	61	75	89	113	136	150	168	187	198						
2370	267	196	116	56	-51	-63	-122	-151	-147	-129	2890	195	182	166	147	127	100	73	65	69	75						
2380	-100	-85	-60	-33	-25	-21	-16	1	27	1	2900	79	80	80	76	71	61	51	41	28	14						
2390	62	82	114	138	164	180	194	206	209	201	2910	7	6	5	4	3	6	8	12	19	30						
2400	196	191	179	164	153	139	121	99	86	71	2920	53	74	98	123	139	155	167	169	158	141						
2410	59	45	35	28	20	12	9	3	-1	-3	2930	106	76	44	10	-29	-86	-126	-152	-178	-193						
2420	-2	-2	11	15	29	40	49	51	43	23	2940	-191	-178	-163	-154	-144	-130	-119	-114	-110	-102						
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2440	65	90	136	183	215	191	145	67	-18	-108	2960	6	7	8	11	13	19	26	32	38	53						
2450	-184	-226	-243	-242	-236	-227	-216	-201	-189	-172	2970	69	91	118	138	163	173	169	158	139	96						
2460	-180	-119	-91	-62	-6	-28	-42	62	70	72	2980	69	47	33	26	17	16	31	25	32	46						
2470	82	101	116	144	170	189	201	205	186	161	2990	58	65	66	58	5	35	51	27	26	24						
2480	131	101	89	85	72	64	50	34	16	-4	3000	19	15	8	2	-14	-41	-57	-75	-83	-81						
2490	-18	-36	-56	-55	-46	-32	-16	-1	4	6	3010	-71	-59	-46	-30	-22	-6	0	7	19	32						
2500	1	-14	-39	-73	-106	-130	-152	-161	-166	-172	3020	45	48	48	47	45	44	43	46	54	64						
2510	-173	-173	-173	-169	-151	-125	-90	-58	-1	2	3030	80	96	107	117	120	119	108	89	65	34						
2520	72	99	101	77	68	22	3	-5	-7	35	3040	4	-45	-66	-84	-91	-96	-108	-111	-124	-124						
2530	-1	-2	-5	-11	-21	-34	-43	-57	-57	-59	3050	-137	-152	-168	-184	-205	-219	-223	-227	-227	-217						
2540	-59	-62	-82	-31	-43	-10	-17	44	59	63	3060	-201	-180	-155	-132	-111	-72	-59	-14	-7	31						

TO BE CONTINUED

TO BE CONTINUED



CONTINUED ( S-1734 E05N )

CONTINUED ( S-1734 E05N )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
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3090	-24	-3	11	28	52	88	117	136	150	167
3100	183	191	187	176	160	146	134	116	96	78
3110	56	42	33	27	26	27	32	34	46	59
3120	172	80	83	88	94	106	124	141	156	169
3130	177	177	166	144	114	82	42	3	-25	-61
3140	-76	-72	-59	-34	-12	16	29	30	9	9
3150	-17	-39	-50	-64	-70	-65	-56	-45	-40	9
3160	-31	-20	-14	-18	-19	-25	-26	-27	-24	-17
3170	-8	-5	-4	-10	-10	-6	-2	6	18	18
3180	32	42	50	58	60	55	52	48	40	33
3190	27	23	21	20	20	22	27	36	44	52
3200	55	55	54	48	46	46	45	37	35	35
3210	25	20	19	18	22	25	25	20	10	4
3220	9	-19	-21	-22	-22	-22	-26	-35	-48	-55
3230	-65	-66	-54	-53	-50	-47	-45	-45	-42	-45
3240	-43	-45	-59	-73	-97	-119	-143	-151	-153	-152
3250	-143	-125	-101	-85	-61	-49	-30	-19	-12	-5
3260	2	11	22	33	46	56	57	53	35	9
3270	-20	-31	-49	-57	-63	-54	-36	-19	-4	9
3280	13	18	24	34	37	33	31	31	30	30
3290	28	25	23	22	22	17	14	11	3	3
3300	0	-10	-23	-37	-51	-61	-67	-73	-79	-83
3310	-12	-10	-10	-10	-24	-36	-45	-53	-63	-72
3320	-102	-104	-106	-109	-109	-108	-105	-91	-73	-52
3330	-39	-24	-5	14	28	39	45	65	89	104
3340	123	149	165	172	172	162	151	142	127	113
3350	98	96	100	105	112	114	115	115	109	100
3360	85	62	42	22	10	-1	-14	-17	-18	-18
3370	-17	-14	-7	74	70	62	53	45	55	68
3380	73	75	76	74	70	62	53	44	27	21
3390	15	10	5	-8	-29	-23	-28	-35	-49	-59
3400	-76	-87	-93	-98	-98	-98	-98	-97	-91	-75
3410	-70	-64	-58	-52	-48	-48	-49	-45	-42	-37
3420	-32	-21	-9	-2	5	14	21	30	39	41
3430	41	40	39	39	43	50	53	55	55	55
3440	54	48	41	30	16	9	9	9	10	14
3450	24	29	30	26	21	18	15	15	20	22
3460	22	19	14	7	0	-12	-25	-36	-44	-50
3470	-49	-45	-40	-33	-23	-14	-5	4	14	18
3480	20	15	8	1	-5	-5	-5	5	14	20
3490	27	32	41	48	52	60	72	78	79	75
3500	64	52	33	16	3	-20	-34	-34	-42	0
3510	11	24	37	39	37	39	37	34	-42	-58
3520	-69	-77	-64	-56	-43	-31	-27	-24	-26	-41
3530	-54	-59	-78	-89	-102	-108	-112	-122	-127	-131
3540	-129	-112	-85	-71	-50	-42	-33	-21	-13	-5
3550	3	10	19	30	41	51	57	61	67	73
3560	76	79	84	91	99	103	110	115	117	116
3570	109	95	84	80	74	66	57	47	36	31
3580	23	16	11	11	17	28	32	34	32	27

TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1734 ED5N )

CONTINUED ( S-1734 ED5N )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
4110	24	29	34	35	35	30	27	19	16	16
4120	18	20	20	22	25	26	23	17	14	6
4130	13	-12	-22	-26	-30	-51	-36	-43	-49	-53
4140	-59	-67	-66	-65	-59	-53	-52	-45	-38	-34
4150	-32	-28	-22	-18	-12	-10	-10	-10	-10	-10
4160	-17	-18	-17	-17	-15	-12	-9	-7	-3	0
4170	7	10	15	17	17	17	17	9	-2	-13
4180	-25	-36	-48	-54	-63	-63	-60	-59	-55	-54
4190	-50	-47	-47	-47	-48	-53	-59	-68	-72	-72
4200	-64	-50	-44	-34	-23	-18	-15	-12	-12	-12
4210	-12	-13	-17	-24	-25	-22	-10	-1	8	13
4220	25	36	43	44	42	39	39	39	38	38
4230	36	35	24	26	28	30	35	36	34	37
4240	44	49	51	51	51	51	43	36	30	26
4250	21	17	16	18	18	13	0	0	0	0
4260	6	6	8	9	-1	-1	-12	-26	-39	-46
4270	-45	-44	-44	-40	-39	-38	-38	-35	-35	-35
4280	-27	-18	-2	0	7	6	-1	-10	-17	-21
4290	-24	-26	-27	-27	-28	-35	-40	-44	-52	-53
4300	-50	-43	-42	-37	-27	-17	-4	11	19	26
4310	36	48	52	56	58	59	54	42	26	15
4320	5	1	0	5	-5	-1	5	8	0	0
4330	0	-1	-6	-7	-10	-14	-18	-17	-17	-17
4340	-17	-17	-17	-20	-23	-29	-36	-37	-29	-21
4350	-11	-1	1	7	11	17	17	17	16	14
4360	12	7	0	6	9	15	22	25	25	22
4370	17	13	8	6	9	15	22	25	25	22
4380	36	39	43	46	51	55	56	58	58	51
4390	44	37	26	14	-1	-13	-20	-21	-24	-23
4400	-22	-18	-12	-12	-12	-16	-17	-19	-16	-8
4410	-5	-2	0	0	6	8	10	11	11	11
4420	10	8	5	-1	-7	-12	-19	-23	-24	-23
4430	-18	-14	-15	-22	-25	-29	-35	-32	-32	-33
4440	-40	-45	-49	-52	-60	-60	-54	-54	-53	-49
4450	-44	-38	-34	-30	-23	-8	-7	-7	-7	-7
4460	-3	-2	0	3	5	12	12	20	28	37
4470	39	43	49	51	52	52	51	47	56	66
4480	71	76	77	77	69	66	58	56	56	56
4490	52	50	54	37	35	24	18	6	-1	-10
4500	-11	-14	-16	-18	-22	-25	-26	-28	-29	-24
4510	-18	-13	-10	-6	-1	4	7	11	15	19
4520	20	19	13	6	-1	4	-1	-11	-23	-24
4530	-28	-27	-25	-25	-28	-28	-27	-24	-18	-10
4540	-10	-10	-13	-13	-12	-12	-12	-14	-15	-15
4550	-21	-24	-28	-28	-28	-28	-25	-21	-11	-5
4560	-2	0	4	5	4	0	0	0	-1	-6
4570	-8	-5	-1	5	6	5	-1	-10	-10	-10
4580	-10	-10	-18	-23	-25	-29	-33	-34	-34	-34
4590	-34	-33	-30	-28	-24	-19	-16	-8	-7	1
4600	0	14	24	26	26	26	20	17	13	11
4610	0	0	0	1	1	1	7	7	7	15
4620	22	25	26	36	37	42	44	44	44	39

TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1734 E05N )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5150	-38	-37	-34	-29	-26	-22	-18	-18	-15	-17
5160	-20	-23	-24	-25	-29	-30	-34	-35	-36	-37
5170	-36	-34	-33	-29	-23	-15	-6	-1	3	6
5180	8	10	12	12	10	10	5	0	0	0
5190	3	12	20	25	30	37	42	48	54	54
5200	59	60	63	65	68	69	69	69	60	58
5210	56	53	50	51	52	53	54	55	55	55
5220	55	55	55	57	58	58	58	58	59	60
5230	55	51	44	41	38	31	27	25	24	22
5240	21	20	21	22	23	24	24	22	17	15
5250	14	14	12	10	5	3	0	0	-5	-6
5260	-6	-6	-1	0	0	3	0	0	2	2
5270	2	2	2	0	-1	-7	-11	-16	-18	-21
5280	-25	-26	-30	-32	-37	-41	-41	-42	-42	-42
5290	-47	-42	-42	-42	-42	-52	-52	-52	-52	-51
5300	-51	-47	-46	-45	-43	-38	-37	-36	-36	-36
5310	-38	-37	-38	-38	-38	-39	-40	-40	-40	-40
5320	-38	-34	-30	-30	-28	-24	-24	-24	-24	-24
5330	-24	-17	-14	-10	-8	-4	-4	-5	-5	-12
5340	-19	-24	-25	-25	-25	-23	-20	-18	-18	-19
5350	-19	-12	-11	-9	-9	-7	-4	-4	-5	-2
5360	-1	-4	-6	-11	-16	-22	-25	-28	-30	-35
5370	-39	-40	-43	-43	-39	-35	-39	-39	-39	-39
5380	-37	-35	-34	-33	-32	-29	-28	-25	-24	-23
5390	-22	-20	-19	-18	-17	-15	-6	-5	-6	-7
5400	-2	0	0	0	0	0	0	0	0	1
5410	0	-1	-2	0	2	2	2	9	13	16
5420	19	22	24	26	34	36	36	36	36	35
5430	34	36	37	38	41	42	43	43	46	46
5440	46	43	42	42	42	42	43	44	44	44
5450	44	44	44	42	40	37	33	27	25	23
5460	22	22	21	21	20	18	14	10	8	4
5470	0	-2	-8	-10	-18	-19	-24	-27	-29	-29
5480	-6	-3	-3	-3	-2	-1	-2	-18	-19	-19
5490	-19	-20	-17	-17	-18	-17	-15	-16	-17	-17
5500	-17	-18	-20	-20	-21	-23	-23	-23	-23	-23
5510	-25	-25	-26	-25	-22	-20	-19	-17	-16	-14
5520	-11	-8	-6	-4	1	7	10	11	13	12
5530	10	6	2	-3	-6	-6	-6	-5	-1	2
5540	4	7	14	15	17	20	21	22	24	26
5550	32	35	35	35	35	27	26	25	22	18
5560	14	22	27	30	34	37	40	41	44	44
5570	42	42	40	34	28	24	22	22	18	16
5580	16	16	16	15	12	10	8	7	6	5
5590	-6	-11	-18	-25	-27	-33	-41	-45	-46	-46
5600	-6	-11	-13	-15	-18	-22	-27	-31	-34	-36
5610	-41	-42	-42	-40	-40	-41	-40	-39	-37	-36
5620	-34	-30	-26	-24	-24	-24	-21	-19	-15	-15
5630	-15	-19	-20	-21	-20	-21	-22	-27	-31	-33
5640	-33	-35	-38	-38	-39	-39	-39	-39	-39	-39
5650	-29	-24	-20	-21	-20	-16	-15	-15	-14	-14
5660	-14	-14	-14	-14	-14	-19	-19	-19	-19	-17

TO BE CONTINUED

CONTINUED ( S-1734 E05N )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5670	-14	-13	-7	-2	-2	5	8	14	16	16
5680	16	16	17	18	16	16	15	13	10	8
5690	3	0	0	0	1	2	5	6	7	11
5700	11	11	12	12	14	14	14	14	14	14
5710	14	14	14	14	14	14	13	12	11	10
5720	10	8	2	0	-4	-4	-4	-4	-3	-3
5730	-3	-3	-1	1	4	5	6	6	6	6
5740	8	11	11	11	11	10	10	9	9	8
5750	6	4	1	5	9	19	22	24	30	32
5760	34	36	41	45	45	46	46	41	34	32
5770	32	31	31	23	21	21	20	19	14	13
5780	8	6	3	1	1	1	2	2	2	4
5790	4	4	4	3	2	2	2	2	2	2
5800	4	4	4	4	3	2	2	2	2	2
5810	-22	-20	-19	-18	-12	-21	-22	-22	-23	-23
5820	-15	-13	-13	-13	-12	-10	-13	-18	-18	-18
5830	-3	0	3	8	11	8	7	7	7	6
5840	5	3	0	0	0	1	3	4	4	4
5850	1	1	1	2	3	4	4	2	0	0
5860	0	0	1	1	3	6	8	10	13	16
5870	16	17	17	17	17	16	13	9	8	6
5880	1	0	-4	-4	-4	-4	-4	-8	-9	-12
5890	-12	-12	-11	-4	0	2	3	5	7	8
5900	9	12	12	12	12	12	12	12	12	12
5910	-22	-24	-26	-32	-35	-33	-32	-30	-28	-23
5920	-20	-11	-6	-4	1	7	13	17	19	19
5930	19	19	19	19	13	12	12	12	17	16
5940	15	15	15	19	21	24	25	26	28	31
5950	33	33	34	35	35	35	34	32	29	28
5960	24	23	20	20	21	25	28	30	30	28
5970	35	39	40	40	40	39	37	34	34	35
5980	31	30	27	25	25	25	23	21	20	20
5990	20	20	21	21	21	21	21	21	21	22

END

RECORD = S-1734 COMPONENT = DOWN STATION = OITA-S  
 DATE AND TIME = 1984-08-07-04-06 TOTAL NUMBER OF DATA = 6000  
 SAMPLING INTERVAL = 0.010 (SEC) SCAL = 0.10000  
 SIGNAL = GR ACC  
 CONNECTION POINT IN DATA NUMBER = 3057, 6000.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	31	31	31	31	31	31	31	31	31	31
10	31	31	31	31	30	30	29	29	26	24
20	22	20	18	17	15	10	5	0	-1	-3
30	-5	-5	-5	-5	-5	-7	-8	-8	-10	-11
40	-13	-10	-8	-5	-1	3	8	11	12	7
50	-3	-18	-36	-40	-40	-40	-39	-39	-40	-40
60	-40	-40	-41	-42	-37	-32	-29	-24	-20	-18
70	-17	-17	-18	-19	-18	-15	-10	-4	0	2
80	2	7	13	21	32	41	47	50	47	42
90	37	34	35	36	35	29	26	27	31	37
100	45	52	54	50	39	35	29	21	15	9
110	1	-5	-17	-23	-26	-30	-33	-36	-36	-35
120	-33	-33	-32	-29	-25	-20	-19	-19	-20	-23
130	-35	-43	-52	-51	-43	-36	-30	-28	-26	-23
140	-12	1	14	29	43	53	56	55	51	51
150	47	43	40	49	55	57	58	53	42	30
160	14	9	7	8	30	46	55	55	46	35
170	1	1	-13	-15	-26	-28	-35	-35	-30	-28
180	-21	-17	-9	-8	-15	-21	-20	-11	-5	-2
190	15	25	27	26	20	8	-8	-12	-22	-27
200	-28	-29	-27	-12	-3	7	29	44	56	62
210	62	57	56	58	58	58	58	58	57	57
220	16	-4	-27	-29	-7	22	54	67	76	83
230	84	83	69	45	27	12	-1	-16	-21	-21
240	-21	-22	-22	-22	-27	-29	-29	-23	-21	-21
250	-11	-6	-1	0	0	0	-13	-25	-40	-58
260	-58	-58	-50	-39	-32	-11	8	8	1	-2
270	-21	-34	-51	-44	-23	-5	4	23	32	43
280	44	40	35	34	31	26	25	32	34	36
290	38	42	42	34	28	19	11	9	9	0
300	-4	-3	-1	-1	-6	-15	-21	-24	-30	-27
310	-21	-14	-8	-1	3	4	-1	-12	-18	-18
320	-15	-15	-10	-2	0	0	0	0	0	0
330	0	0	10	23	34	34	27	15	12	15
340	18	21	21	17	16	11	8	11	12	17
350	27	23	27	28	31	32	28	20	11	6
360	1	-2	-5	-7	-9	-14	-15	-12	-6	-4
370	5	11	4	8	0	-10	-19	-29	-42	-35
380	-13	1	46	65	68	52	32	3	-23	-29
390	-32	-33	-33	-33	-17	-4	8	21	29	30
400	27	17	8	0	-1	8	20	32	36	30
410	21	5	-5	-6	-4	0	1	1	-3	-15
420	-28	-32	-29	-23	-15	-15	-9	0	20	31
430	40	48	49	33	12	6	-3	-16	-21	-19
440	-12	-2	6	7	5	2	0	0	0	0
450	2	6	13	20	21	21	10	0	-16	-34
460	-38	-26	-16	-2	18	22	8	-9	-18	-26

TO BE CONTINUED

TO BE CONTINUED

CONTINUED( S-1734 DOWN )

CONTINUED( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
990	-8	-21	-37	-54	-97	-122	-124	-121	-96	-76
1000	-49	-25	-12	0	7	-22	3	0	-3	-9
1010	-14	-18	-25	-27	-35	-23	-5	8	19	23
1020	19	11	10	10	10	11	0	-3	-14	-19
1030	-9	-1	4	11	17	11	0	-13	-15	-2
1040	-2	3	20	35	43	58	56	35	16	11
1050	23	29	43	47	47	47	45	33	27	16
1060	12	8	-3	-8	-9	-14	-13	-9	-5	-9
1070	-10	0	3	10	14	16	23	25	17	16
1080	16	12	10	7	9	23	39	55	67	89
1090	104	112	118	110	96	73	52	36	23	12
1100	2	0	0	-4	-10	-15	-15	-15	-21	-23
1110	-24	-30	-30	-25	-4	1	26	39	41	41
1120	-13	-13	-13	-7	1	11	26	54	56	50
1130	41	42	50	52	52	52	54	48	42	33
1140	47	37	35	40	43	48	48	42	33	13
1150	-4	-35	-60	-85	-97	-97	-97	-93	-78	-68
1160	-61	-47	-34	-15	-7	-4	-3	-3	-3	-6
1170	1	5	10	10	9	0	-18	-31	-32	-62
1180	-43	-43	-35	-20	-12	-3	-3	-21	-64	-89
1190	-104	-116	-118	-121	-112	-91	-64	-38	-18	-16
1200	-23	-35	-50	-48	-40	-33	-26	-26	-36	-45
1210	-45	-34	-4	9	22	27	27	17	0	-13
1220	-35	-45	-59	-60	-57	-24	0	22	43	57
1230	60	57	29	-3	-34	-60	-78	-90	-90	-93
1240	-91	-91	-83	-71	-63	-63	-34	-23	-15	-1
1250	15	20	29	62	90	83	55	23	-22	-57
1260	-81	-80	-49	-6	42	61	66	55	35	24
1270	0	-22	-32	-37	-37	-35	-34	-21	-14	-12
1280	-12	-12	-12	-14	-20	-18	-13	-2	28	65
1290	104	140	164	169	138	85	21	-25	-76	-124
1300	-161	-166	-146	-116	-84	-43	-2	37	67	77
1310	78	72	55	37	16	6	4	12	25	36
1320	45	51	54	56	56	57	57	54	41	20
1330	15	0	-8	-11	-19	-21	-31	-32	-32	-32
1340	-32	-28	-22	-20	-17	-13	-13	-13	-13	-24
1350	-35	-58	-58	-54	-19	2	42	81	108	114
1360	100	79	74	91	115	147	180	198	204	200
1370	133	12	-108	-212	-257	-254	-225	-145	-117	-153
1380	-60	4	53	64	31	-9	-61	-122	-155	-153
1390	-140	-109	-77	-49	-38	-32	-30	-33	-45	-45
1400	-54	-54	-54	-53	-50	-44	-37	-21	-1	18
1410	53	72	95	105	115	129	136	142	159	172
1420	187	194	179	101	12	-45	-96	-136	-175	-182
1430	-151	-121	-104	-79	-33	-18	-11	-10	-29	-52
1440	-76	-70	-59	-20	36	106	159	190	214	227
1450	226	213	191	181	174	161	153	139	128	121
1460	113	110	108	95	79	57	22	-16	-64	-97
1470	-125	-122	-118	-102	-59	-19	29	62	67	46
1480	1	-36	-65	-85	-93	-92	-77	-66	-33	0
1490	41	88	132	152	147	114	46	-44	-123	-185
1500	-210	-207	-182	-120	-27	29	65	90	63	1

TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
2030	-85	-92	-104	-105	-105	-109	-109	-99	-76	-56
2040	-38	-20	-11	12	25	30	41	44	37	16
2050	5	-10	-41	-50	-50	-49	-38	-12	-1	6
2060	18	33	49	67	82	89	90	86	74	56
2070	36	18	5	-2	-5	-5	-4	-4	-5	-9
2080	-25	-46	-65	-88	-116	-150	-170	-173	-166	-136
2090	-105	-70	-29	-29	1	27	31	5	-26	-43
2100	-71	-68	-49	-22	13	34	66	83	83	74
2110	42	10	4	-4	-3	7	13	27	47	51
2120	45	36	31	26	25	25	29	31	32	28
2130	26	25	16	15	16	18	24	30	36	41
2140	44	49	50	49	48	44	42	40	36	34
2150	34	34	24	16	14	10	5	7	11	13
2160	15	16	22	29	30	11	3	-6	-28	-62
2170	-63	-32	-28	-12	2	11	5	-13	-27	-54
2180	-59	-60	-42	-19	-7	2	11	22	41	45
2190	43	37	29	20	33	41	50	65	89	98
2200	104	107	107	107	98	79	82	86	88	89
2210	91	88	67	44	23	9	-28	-55	-60	-51
2220	-34	-16	1	24	30	28	9	-4	-30	-39
2230	-39	-39	-30	-13	3	20	30	36	63	69
2240	67	52	38	31	31	42	49	54	58	58
2250	41	22	1	-28	-68	-32	-24	-8	11	36
2260	43	43	42	36	31	23	17	15	16	20
2270	25	29	31	32	27	16	5	-8	-35	-62
2280	-92	-102	-102	-97	-88	-82	-68	-60	-58	-52
2290	-52	-55	-68	-71	-76	-81	-82	-79	-66	-56
2300	-26	-2	19	41	44	39	31	18	12	11
2310	15	20	32	37	38	38	35	24	16	-2
2320	-24	-43	-62	-84	-110	-122	-120	-110	-104	-92
2330	-71	-53	-62	-62	-34	-29	-28	-28	-27	-16
2340	4	23	43	58	64	68	73	76	76	74
2350	70	68	70	70	73	75	75	79	83	84
2360	83	75	59	46	40	25	13	11	11	6
2370	-3	-11	-16	-16	-16	-20	-22	-27	-30	-30
2380	-28	-20	-12	-6	-4	-4	-15	-29	-53	-66
2390	-75	-85	-85	-75	-71	-66	-59	-60	-70	-88
2400	-15	-149	-154	-145	-127	-117	-104	-94	-92	-86
2410	-65	-62	-27	-20	-16	-9	4	14	20	33
2420	43	51	56	60	65	65	70	73	76	79
2430	84	90	94	98	102	107	109	108	106	101
2440	92	78	67	58	48	43	38	33	23	20
2450	12	3	-7	-12	-11	6	13	33	45	57
2460	58	52	49	45	45	46	57	64	81	100
2470	117	127	129	129	124	115	108	107	108	113
2480	114	111	100	86	67	49	33	16	3	-11
2490	-30	-31	-36	-38	-41	-42	-42	-42	-30	-13
2500	6	26	36	32	17	5	-18	-27	-24	-24
2510	-8	3	10	14	15	15	6	-4	-6	-12
2520	-12	-17	-17	-21	-24	-27	-28	-31	-36	-36
2530	-36	-36	-31	-25	-21	-20	-18	-17	-16	-16
2540	-16	-16	-16	-16	-17	-23	-26	-27	-31	-31

TO BE CONTINUED

CONTINUED ( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
2550	-31	-31	-31	-31	-31	-26	-21	-20	-20	-22
2560	-32	-38	-40	-40	-38	-34	-30	-28	-26	-24
2570	-21	-21	-21	-21	-21	-24	-24	-30	-48	-55
2580	-69	-57	-45	-36	-19	-3	6	29	29	24
2590	15	0	-6	-10	-18	-23	-15	-6	-1	6
2600	1	-5	-18	-20	-18	-16	-11	-8	0	0
2610	0	0	0	0	0	0	0	-2	-1	11
2620	18	25	23	27	32	35	40	45	51	60
2630	62	62	62	61	52	47	46	49	53	58
2640	60	60	53	44	31	14	2	-1	-10	-20
2650	-27	-34	-40	-40	-40	-37	-30	-29	-28	-22
2660	-22	-22	-22	-22	-22	-22	-17	-17	-15	-14
2670	-9	-11	-5	-1	0	0	0	0	0	3
2680	3	-4	-11	-15	-19	-12	-11	-9	-6	-10
2690	-9	-11	-11	-10	-10	-9	2	14	25	38
2700	46	55	55	54	52	54	57	66	74	94
2710	112	127	133	129	110	92	79	60	52	51
2720	45	45	53	53	54	54	47	44	44	46
2730	52	55	60	68	77	86	89	82	64	41
2740	32	11	2	0	-4	-5	-3	3	4	5
2750	12	14	18	23	24	26	30	34	39	51
2760	55	55	55	57	57	57	54	48	36	32
2770	20	7	-7	-11	-14	-21	-26	-34	-40	-42
2780	-42	-42	-45	-54	-60	-68	-72	-79	-82	-81
2790	-75	-73	-63	-57	-52	-42	-25	-13	-11	-13
2800	-19	-20	-23	-28	-28	-28	-29	-30	-33	-34
2810	-34	-34	-34	-28	-26	-18	-17	-13	-13	-13
2820	-13	-11	-5	-2	5	-4	3	5	5	5
2830	6	10	12	10	5	3	-1	-6	-10	-11
2840	2	9	10	10	24	34	36	35	35	35
2850	35	31	28	26	24	18	17	14	6	3
2860	-4	-21	-35	-31	-19	0	2	-1	-2	-2
2870	0	5	13	17	19	26	35	49	52	52
2880	52	52	45	25	8	7	7	6	11	16
2890	18	17	9	8	9	0	-3	-11	-12	-12
2900	-4	-2	2	6	11	13	14	10	4	-2
2910	-6	-5	0	14	24	28	30	31	31	31
2920	31	29	15	12	10	-1	-4	-3	2	3
2930	3	5	6	10	8	5	2	-5	-8	-14
2940	-1	3	6	12	17	19	16	16	17	18
2950	7	7	4	-3	-5	3	8	16	19	24
2960	26	32	35	40	44	46	50	51	53	58
2970	58	61	64	65	64	58	53	57	59	59
2980	62	56	55	55	55	56	60	60	54	52
2990	51	52	48	46	45	42	33	16	5	-11
3000	-15	-22	-22	-15	-14	-8	-7	-2	1	-8
3010	-11	-15	-21	-26	-27	-27	-27	-27	-27	-35
3020	-35	-39	-49	-59	-59	-59	-60	-59	-54	-55
3030	-34	-34	-34	-34	-34	-34	-34	-34	-34	-49
3040	-47	-38	-20	13	20	34	45	64	76	77
3050	79	82	82	81	79	75	71	60	52	47
3060	37	27	19	6	-9	-13	-16	-16	-16	-20

TO BE CONTINUED

CONTINUED ( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )	NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
3070	-27	-36	-36	-36	-36	-37	-37	-37	-37	-37	3590	25	24	24	24	24	23	16	14	14	15
3080	-31	-27	-27	-27	-27	-22	-21	-18	-17	-17	3600	17	18	22	22	22	16	11	1	-5	15
3090	-16	-14	-11	-6	-6	4	5	0	0	0	3610	-7	-7	-5	-3	-3	-6	-6	-8	-8	-19
3100	0	0	1	2	4	7	9	12	13	13	3620	-25	-27	-27	-27	-24	-22	-15	-3	-6	-3
3110	17	23	30	37	41	46	47	47	45	45	3630	-7	1	1	3	6	6	12	22	21	25
3120	39	29	23	12	8	14	-16	-11	-6	-6	3640	27	28	28	30	31	33	33	35	30	30
3130	0	3	13	23	27	27	21	16	12	10	3650	31	34	34	31	30	30	30	34	34	34
3140	6	4	4	4	8	16	21	23	23	21	3660	34	32	29	24	19	13	10	5	6	6
3150	19	16	14	12	11	15	21	24	32	36	3670	6	6	4	3	3	3	1	0	-9	-16
3160	40	41	38	31	24	11	-3	-10	-14	-14	3680	-17	-17	-17	-17	-15	-14	-14	-15	-17	-19
3170	-7	0	8	9	9	9	3	3	-5	-17	3690	-23	-24	-25	-25	-25	-27	-27	-27	-18	-19
3180	-25	-27	-27	-27	-26	-25	-20	-20	-19	-19	3700	-17	-14	-14	-16	-15	-25	-34	-39	-34	-33
3190	-14	-12	-12	-12	-12	-12	34	32	34	34	3710	-32	-27	-26	-26	-25	-21	-20	-20	-20	-20
3200	35	42	42	42	36	31	28	25	16	14	3720	-19	-19	-19	-19	-17	-16	-14	-14	-14	-14
3210	14	14	14	14	11	10	10	15	17	20	3730	-14	-14	-15	-16	-13	-9	-9	-9	-6	-6
3220	20	22	23	25	27	31	33	34	35	37	3740	1	3	2	-1	-6	-6	-5	-3	-2	-1
3230	39	40	40	38	31	28	27	24	23	19	3750	0	2	4	6	7	7	9	9	9	9
3240	17	15	14	12	11	10	11	11	11	13	3760	9	9	9	9	8	5	2	2	1	1
3250	14	14	17	17	17	17	16	15	11	4	3770	-4	-6	-6	0	1	2	12	14	14	14
3260	0	-2	-6	-10	-15	-18	-18	-17	-16	-11	3780	13	13	13	14	6	6	7	8	13	14
3270	-9	-6	-12	-15	-18	-23	-28	-27	-22	-17	3790	15	16	14	13	3	-3	-5	-5	-9	-15
3280	-12	-7	-8	-16	-23	-28	-35	-42	-43	-63	3800	-13	-5	1	1	0	0	0	-8	-12	-16
3290	-35	-30	-21	-19	-19	-18	-18	-18	-18	-18	3810	-26	-25	-24	-20	-13	-9	-5	-5	-17	-24
3300	-18	-17	-16	-13	-8	-5	-4	-1	-1	-1	3820	-5	-7	7	20	17	17	6	0	0	8
3310	-1	-6	-12	-18	-32	-42	-47	-41	-41	-38	3830	14	16	21	29	35	36	38	42	45	46
3320	-30	-29	-25	-18	-14	-8	-4	-2	5	10	3840	46	46	46	46	48	48	48	42	42	42
3330	15	16	19	20	22	26	27	28	29	26	3850	38	35	29	27	19	14	13	9	6	6
3340	22	16	15	20	21	22	22	20	20	14	3860	6	6	6	3	2	2	1	1	1	6
3350	13	2	0	-7	-15	-15	-13	-7	-4	-4	3870	8	12	13	14	19	24	20	14	8	7
3360	3	7	8	8	8	10	14	20	30	31	3880	5	1	-2	-2	-2	-2	-2	-2	-4	-8
3370	31	30	26	24	24	24	21	20	20	20	3890	-17	-23	-26	-26	-26	-26	-25	-25	-26	-11
3380	20	20	21	21	21	21	20	20	15	10	3900	-28	-28	-27	-26	-25	-24	-23	-23	-23	-25
3390	6	4	-1	-7	-11	-15	-19	-25	-30	-30	3910	-26	-27	-26	-24	-14	-10	-7	-7	-7	-7
3400	-35	-37	-37	-37	-35	-33	-33	-33	-30	-23	3920	-7	-6	-6	-5	-4	-4	0	0	0	6
3410	-19	-18	-18	-14	-14	-14	-12	-10	-10	-10	3930	2	1	-1	-5	-6	-7	-7	-8	-8	-8
3420	-10	-8	-7	-4	-2	3	9	16	20	27	3940	-8	-8	-8	-8	-8	-8	-6	-6	-6	-6
3430	32	32	32	32	32	32	32	32	32	32	3950	-26	-22	-19	-17	-22	-24	-26	-26	-26	-26
3440	32	32	32	31	26	25	24	24	24	24	3960	-6	-5	0	0	-4	-4	-4	-4	-3	-8
3450	20	19	17	15	12	9	8	5	6	9	3970	-12	-15	-13	-9	-7	0	8	3	0	-7
3460	9	11	13	14	14	14	8	6	3	2	3980	16	18	18	9	8	8	8	11	13	18
3470	-3	-6	-11	-12	-12	-8	-7	-7	-12	-13	3990	22	25	26	26	28	28	20	20	20	20
3480	-14	-16	-24	-25	-28	-34	-40	-40	-36	-29	4000	19	17	14	13	13	10	9	8	8	8
3490	-27	-24	-24	-24	-23	-19	-17	-13	-9	-5	4010	8	1	-6	-20	-25	-28	-30	-30	-34	-38
3500	-3	-3	-3	-3	-5	-5	-5	-5	2	5	4020	-40	-40	-40	-38	-37	-34	-34	-34	-34	-30
3510	9	13	15	15	14	11	2	1	0	-1	4030	-25	-23	-13	-11	-11	-4	-4	3	4	4
3520	-4	-6	-8	-10	-11	-10	-1	5	7	8	4040	4	4	5	7	8	9	9	9	9	9
3530	9	9	9	7	0	-3	-7	-4	-2	4	4050	9	9	4	4	5	10	10	9	9	3
3540	10	15	20	22	25	26	26	17	11	5	4060	0	1	0	0	0	0	-1	-4	-7	-9
3550	1	2	4	6	8	9	9	9	9	9	4070	-9	-9	-8	-2	0	3	5	5	3	1
3560	9	5	1	-1	-1	-3	-7	-12	-13	-16	4080	1	1	3	1	5	7	7	4	6	6
3570	-17	-20	-21	-25	-26	-26	-26	-21	-17	-11	4090	8	12	13	14	16	18	20	21	23	24
3580	-0	-18	-23	-27	-32	-27	26	23	21	23	4100	24	19	12	10	17	20	22	26	30	31

TO BE CONTINUED

TO BE CONTINUED

CONTINUED ( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
4110	30	27	26	27	33	36	38	40	40	39
4120	39	38	35	32	29	28	25	24	20	19
4130	9	4	-1	0	-4	-10	-16	-19	-24	-24
4140	-23	-23	-23	-24	-25	-25	-28	-37	-39	-37
4150	-32	-26	-19	-18	-15	-12	-9	-8	-3	-3
4160	-2	0	0	0	0	0	0	-4	-4	-4
4170	-4	-13	-18	-24	-25	-28	-28	-32	-32	-32
4180	-32	-26	-25	-23	-25	-19	-17	-13	-13	-13
4190	-12	-2	1	1	0	0	0	0	0	0
4200	0	-2	-2	0	2	4	7	8	9	12
4210	12	12	12	10	5	1	1	1	1	1
4220	1	1	1	1	0	-5	-12	-19	-23	-14
4230	-7	-3	0	0	0	0	0	27	27	25
4240	5	8	10	13	20	25	26	27	30	35
4250	20	16	15	15	21	29	32	34	35	37
4260	36	35	32	26	17	15	14	9	5	3
4270	1	0	-5	-10	-10	-10	-11	-12	-13	-14
4280	-14	-23	-26	-27	-27	-31	-32	-32	-30	-28
4290	-30	-32	-41	-43	-43	-45	-47	-45	-38	-25
4300	-24	-23	-23	-17	-17	-17	-13	-7	-11	-3
4310	0	0	1	2	2	0	0	0	-5	-5
4320	-5	-5	-5	-5	-5	-5	-8	-8	-11	-13
4330	-13	-13	-13	-13	-13	-13	-13	-12	-12	-12
4340	-10	-10	-10	-9	-8	-2	0	0	0	0
4350	0	0	5	9	10	10	10	10	10	10
4360	10	10	10	4	6	8	10	10	10	10
4370	11	14	15	15	16	16	16	16	17	17
4380	18	26	31	31	31	30	30	30	30	30
4390	29	28	28	28	24	24	25	26	26	25
4400	25	21	20	20	20	19	19	20	21	21
4410	21	21	22	22	23	25	25	25	25	25
4420	24	20	17	11	9	4	-3	-4	-9	-9
4430	-14	-16	-17	-17	-17	-19	-21	-23	-32	-36
4440	-39	-43	-43	-40	-40	-39	-39	-39	-43	-43
4450	-42	-42	-37	-35	-32	-29	-26	-23	-18	-5
4460	-1	1	1	-7	-8	-7	-4	-3	-3	1
4470	7	9	10	9	9	9	5	6	8	9
4480	9	11	13	15	15	15	15	14	14	14
4490	14	14	14	14	14	13	9	5	5	5
4500	4	3	1	1	2	2	2	0	0	0
4510	2	4	4	4	4	4	6	6	8	4
4520	1	0	0	-1	-2	-5	-6	-8	-8	-8
4530	-8	-9	-12	-13	-13	-13	-13	-13	-11	-10
4540	-10	-10	-9	-7	-9	-8	-7	-7	-7	-7
4550	-7	-8	-9	-11	-12	-12	-12	-12	-10	-8
4560	-7	-7	-5	-5	-5	-5	-6	-10	-10	-10
4570	-11	-12	-12	-12	-12	-12	-14	-14	-14	-14
4580	-14	-12	-7	-5	1	2	7	9	9	10
4590	11	11	11	11	12	11	11	11	11	11
4600	11	11	11	11	9	3	1	1	0	0
4610	-8	-9	-9	-10	-10	-10	-10	-10	-11	-12
4620	-12	-12	-12	-12	-12	-12	-12	-12	-12	-10

TO BE CONTINUED

CONTINUED ( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
4630	-5	-4	-4	-3	-2	0	0	0	1	8
4640	10	10	10	10	10	10	10	10	10	12
4650	12	12	12	12	12	12	12	12	12	12
4660	10	9	9	9	9	4	5	5	5	5
4670	5	5	6	6	6	6	6	6	6	6
4680	6	6	6	6	6	6	6	6	6	5
4690	7	10	12	12	12	12	15	18	19	19
4700	20	21	21	21	21	20	20	20	20	20
4710	21	21	21	21	18	12	11	10	9	5
4720	3	2	2	2	0	-4	-6	-10	-11	-12
4730	-10	-11	-12	-12	-14	-14	-14	-15	-14	-14
4740	-22	-22	-22	-20	-20	-20	-20	-19	-16	-16
4750	-14	-14	-14	-15	-16	-17	-18	-18	-18	-14
4760	-10	-7	-7	-7	-5	-5	-5	-5	-5	-5
4770	-8	-8	-7	-5	-5	-5	-4	-4	-4	-4
4780	-4	-3	-2	0	1	1	1	2	2	2
4790	2	2	1	0	0	0	0	0	0	-1
4800	-2	-2	-2	-2	-2	-2	-2	-2	0	2
4810	7	4	3	2	1	1	1	0	5	6
4820	6	11	11	9	9	5	4	4	4	4
4830	4	6	6	6	0	5	6	6	6	6
4840	6	12	12	12	12	14	14	14	14	14
4850	14	15	12	12	12	10	10	10	10	10
4860	10	10	10	12	12	10	9	9	9	9
4870	9	9	9	9	9	9	9	9	9	9
4880	9	9	9	9	9	8	4	1	1	-5
4890	-10	-7	-6	-5	-5	-5	-5	-5	-5	-5
4900	-5	-5	-5	-5	-10	-12	-13	-13	-13	-14
4910	-14	-14	-14	-14	-14	-14	-14	-14	-14	-14
4920	-12	-11	-11	-8	-8	-8	-8	-8	-8	-8
4930	-6	-1	0	0	0	1	1	1	1	-6
4940	-7	-7	-7	-7	-3	-2	-2	-7	-10	-11
4950	-11	-11	-11	-12	-14	-14	-13	-11	-11	-11
4960	-11	-8	-7	-10	-11	-11	-11	-11	-11	-13
4970	-15	-18	-20	-19	-18	-15	-13	-11	-11	-11
4980	-11	-9	-5	-4	-4	-4	-4	-4	-4	-4
4990	-4	-4	-4	-6	-6	-8	-9	-10	-10	-10
5000	-10	-10	-10	-10	-10	-10	-8	-8	-8	-8
5010	-12	-7	-7	-7	-7	-5	-1	0	11	12
5020	12	6	7	7	4	2	2	3	10	11
5030	10	4	4	4	2	2	2	2	0	-1
5040	-2	-2	-2	-2	0	0	0	0	0	-2
5050	-2	0	0	0	0	0	0	0	0	0
5060	0	0	0	0	2	2	3	6	13	17
5070	22	22	22	22	22	21	17	15	15	15
5080	15	9	7	7	5	0	-5	-5	-5	-5
5090	-5	-4	-4	-4	-4	-4	-5	-11	-13	-14
5100	-15	-15	-15	-13	-11	-10	-9	-9	-8	-6
5110	-5	-5	-2	1	3	0	0	3	4	5
5120	6	1	0	0	0	0	0	0	0	2
5130	2	2	0	0	0	1	1	-2	-6	-7
5140	-7	-8	-8	-8	-9	-9	-10	-10	-14	-15

TO BE CONTINUED



CONTINUED( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5150	-15	-11	-8	-6	-1	0	0	0	-3	-3
5160	0	1	1	1	1	1	1	1	2	3
5170	4	4	5	5	5	4	4	8	9	9
5180	9	9	9	9	9	7	3	0	0	0
5190	0	0	1	1	0	0	-1	-6	-7	-12
5200	-15	-17	-17	-17	-18	-21	-22	-22	-22	-22
5210	-22	-21	-19	-18	-18	-16	-16	-16	-16	-14
5220	-11	-9	-8	-7	-5	-1	-1	-1	-1	0
5230	1	4	5	7	12	13	15	13	11	11
5240	11	11	11	11	11	11	11	11	9	4
5250	1	1	1	1	1	1	1	1	1	0
5260	0	0	0	0	2	2	2	3	6	6
5270	6	6	6	6	6	7	7	8	8	11
5280	11	11	11	11	11	11	11	11	11	11
5290	4	9	8	5	3	3	4	5	5	2
5300	2	2	2	2	4	3	2	2	2	3
5310	3	3	4	7	7	7	7	6	5	3
5320	8	11	13	13	13	13	13	11	6	6
5330	6	6	6	8	10	11	11	11	11	7
5340	6	6	6	6	6	5	3	4	5	9
5350	12	13	13	13	13	11	10	7	7	7
5360	8	9	12	12	13	13	13	13	11	9
5370	8	8	8	7	6	5	6	6	7	7
5380	8	9	6	6	5	4	4	4	4	4
5390	5	6	6	6	6	5	5	5	5	5
5400	5	5	5	5	5	5	5	5	5	5
5410	5	5	5	5	5	5	5	5	5	5
5420	0	2	4	4	4	4	4	4	4	4
5430	-4	-4	-4	-4	-4	1	2	3	3	3
5440	3	3	3	2	2	2	2	0	0	0
5450	0	0	0	-5	-6	-6	-6	-7	-8	-8
5460	-8	-8	-8	-4	-1	0	0	0	0	0
5470	0	0	0	0	3	6	7	11	12	13
5480	15	17	19	20	20	21	21	21	22	23
5490	24	25	25	26	26	26	25	20	18	18
5500	18	20	21	21	21	21	21	21	21	22
5510	20	17	16	13	12	12	12	11	9	5
5520	3	3	3	4	4	4	3	3	0	-1
5530	-3	-6	-6	-6	-9	-9	-8	-8	-6	-5
5540	-4	-2	0	0	1	1	2	3	3	0
5550	-7	-8	-8	-8	-8	-8	-8	-9	-12	-14
5560	-14	-10	-10	-8	-8	-10	-10	-13	-15	-15
5570	-14	-15	-17	-17	-17	-17	-17	-16	-16	-12
5580	-12	-14	-14	-11	-7	-6	-3	-3	-3	-3
5590	-3	-2	-2	-2	0	0	0	0	1	3
5600	4	6	6	6	6	6	6	6	7	6
5610	6	6	6	6	2	1	0	-2	-4	-5
5620	-6	-6	-5	-4	-5	-5	-3	-3	-4	-5
5630	0	0	0	0	0	0	0	-5	-4	0
5640	2	1	1	1	1	1	1	0	-4	0
5650	-2	-3	-4	-5	-4	-3	-3	-3	-3	-2
5660	-3	-3	-3	-3	-3	-2	-2	-2	-1	-1

TO BE CONTINUED

CONTINUED( S-1734 DOWN )

NO.	( 1 )	( 2 )	( 3 )	( 4 )	( 5 )	( 6 )	( 7 )	( 8 )	( 9 )	( 10 )
5670	-1	-1	0	0	0	0	-2	-2	-2	-2
5680	-2	-1	0	0	0	0	1	1	1	1
5690	5	9	11	13	14	14	10	11	11	8
5700	9	9	9	9	9	9	10	11	11	8
5710	19	20	20	20	23	23	14	16	18	18
5720	24	24	24	23	18	16	15	15	15	24
5730	22	22	22	22	22	22	22	21	17	20
5740	15	15	15	15	15	15	15	16	16	15
5750	19	20	20	20	20	22	22	24	16	18
5760	26	26	25	24	24	25	25	24	24	26
5770	21	21	21	21	21	21	21	21	21	21
5780	21	20	18	16	14	10	9	8	6	6
5790	6	5	5	5	5	6	6	6	6	6
5800	6	6	6	6	7	7	7	7	5	2
5810	0	0	-2	-2	-2	-1	0	0	-3	-2
5820	-3	-3	-2	-2	-2	-1	0	0	-1	-2
5830	-2	-2	-2	-2	-2	-3	-4	-6	-6	-6
5840	-6	-7	-9	-11	-11	-12	-12	-13	-13	-13
5850	-13	-13	-13	-13	-13	-13	-13	-12	-12	-12
5860	-12	-11	-11	-11	-11	-10	-9	-9	-4	5
5870	6	6	7	7	7	8	8	9	9	9
5880	9	9	8	4	2	0	2	2	2	2
5890	2	2	2	2	1	0	-2	-2	-2	-4
5900	-6	-7	-9	-6	-10	-12	-12	-10	-9	-9
5910	-9	-8	-7	-6	-6	-6	-6	-5	-1	0
5920	1	3	3	3	3	7	8	8	9	9
5930	9	10	13	15	15	15	15	15	18	20
5940	20	21	21	25	25	25	25	25	22	18
5950	18	19	20	20	21	22	23	23	24	24
5960	24	24	24	25	25	25	25	25	25	27
5970	30	26	25	25	23	22	20	18	17	17
5980	12	11	11	8	8	9	9	9	11	11
5990	12	14	15	14	12	12	12	12	12	13

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編集兼発行人 運輸省港湾技術研究所

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