

港灣技研資料

TECHNICAL NOTE OF
THE PORT AND HARBOUR RESEARCH INSTITUTE
MINISTRY OF TRANSPORT, JAPAN

No. 319 June. 1979

STRONG-MOTION EARTHQUAKE RECORDS ON THE 1978
MIYAGI-KEN-OKI EARTHQUAKE IN PORT AREAS
by Eiichi KURATA, Susumu IAI,
Yoshiko YOKOYAMA, and Hajime TSUCHIDA

1978年宮城県沖地震の港灣地域における強震記録

倉田栄一・井合 進・横山淑子・土田 肇

運輸省港灣技術研究所



STRONG-MOTION EARTHQUAKE RECORDS ON THE 1978 MIYAGI-KEN-OKI EARTHQUAKE IN PORT AREAS

Contents

Synopsis	5
1. Introduction	5
2. Earthquakes	6
3. Stations	8
4. Digitization and Analyses	8
5. A Remark for S-1210 E41S	8
References	11

Observation Results and Preliminary Analyses

1. Strong-Motion Earthquake Observation Results	15
2. Main Shock of June 12, 1978	
(1) S-1201 Shiogama-kojyo-S (AR, IR, RS, NR, FS)	17
(2) S-1210 Ofunato-bochi-S (AR, IR, RS, NR, FS)	34
(3) S-1204 Miyako-S (AR, IR, RS, NR, FS)	50
(4) S-1202 Hachinohe-S (AR, IR, RS, NR, FS)	66
(5) S-1191 Onahama-S (AR, IR, RS, NR, FS)	86
(6) S-1188 Keihin-ji-S (AR, IR, RS, NR, FS)	110
(7) S-1189 Yamashita-hen-S (AR, IR, RS, NR, FS)	130
(8) S-1192 Aomori-S (AR, IR, RS, NR, FS)	150
(9) S-1200 Akita-S (AR, IR, RS, NR, FS)	170
(10) S-1203 Niigata-ji-S (AR, IR, RS, NR, FS)	190
(11) S-1206 Kashima-zokan-S (AR, IR, RS, NR, FS)	210
(12) S-1195 Chiba-S (AR, IR, RS, NR, FS)	234
(13) M-217 Yamashita-hen-M (AR, IR, RS, NR, FS)	254
(14) M-220 Kawasaki-dai5-chi-M (AR, IR, RS, NR, FS)	278
3. Digitized Records	
(1) S-1201 Shiogama-kojyo-S	294
(2) S-1210 Ofunato-bochi-S	321
(3) S-1204 Miyako-S	339
(4) S-1202 Hachinohe-S	357
(5) S-1191 Onahama-S	384

* Abbreviations used above:

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

1978年宮城県沖地震の 港湾地域における強震記録

倉 田 栄 一*
井 合 進*
横 山 淑 子*
土 田 肇**

要 旨

1978年6月12日17時14分に宮城県沖に震源をもつ地震が発生した。この地震により仙台市では停電、断水、ガス給水停止、信号機の機能停止による交通麻痺、石油タンク火災、大型電子計算機の転倒破壊等が起き、近代都市なるが故に保有するさまざまな生活基幹機能が著しく影響を受けた。気象庁では、この地震を「1978年宮城県沖地震」と命名した。この地震によって、宮城県を中心として、死者27人、負傷者1万人以上の人的被害が生じた。東北各県の被害総額は、宮城県で約2,688億円、岩手県で42億円、福島県で24億円、山形県で3億円、秋田県で1億円にも達したと報告されている。

港湾施設もこの地震により被害をこうむった。港湾関係公共土木施設の被害は、宮城県および福島県に発生しており、そのうち98%は宮城県の港湾に発生している。宮城県の港湾被害の90%を占める被害があった石巻港では、主要な中島、日和、潮見の各ふ頭で、鋼矢板式けい船岸の法線が約50～120cm前方にはらみ出し、控え工の位置でエプロン舗装に大きな亀裂が生じ、また場所によっては沈下が生じた。これらの被害の主因は、砂地盤の液状化現象によるものであったと被害調査報告が出されている。

港湾における強震観測網によっては、34台の強震計で記録が得られた。その地理的範囲は、北は花咲港から南は四日市港に及んでいる。また、日本海側では、秋田、酒田、新潟の各港で記録が得られた。港湾においてこの地震によって得られた強震記録で加速度の最も大きいものは、塩釜港で得られた最大加速度273ガルであり、顕著な地震の観測値として、これまでに港湾地域強震観測で得た最大値である。

「1978年宮城県沖地震」の強震記録は、港湾関係以外の数機関で設置された強震計についても数多く得られている。このうち、岩盤上の記録としては、石巻市の開北橋で最大加速度294ガルが観測され、また、仙台市内のビルでは地階あるいは1階では250ガルを超える加速度が観測され、さらにあるSRC建築物の9階では重力加速度と同じ1Gの加速度記録が得られた。

この資料で報告する強震記録は、1978年6月12日17時14分の「1978年宮城県沖地震」で得られたものであり、対象となる記録数は34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ガル以上の記録の14本については、さらにつぎに示す内容のものにまとめた。

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

また、最大加速度が50ガル以上の記録については、加速度数値表を巻末に添えた。これは計器特性の補正を行って

* 構造部 耐震構造研究室
** 構造部 耐震構造研究室長

いない数値である。以上の図表の内容については、「港湾地域強震観測年報（1976, 1977）」や「1978年伊豆大島近海の地震の港湾地域における強震記録」に掲載したものと同様である。

この資料にある観測地点大船渡防地-Sの強震計のEW成分（E41S）のペンに部分的欠陥があることが点検時にわかった。15 cm長のペンのペン先が下方へたわむのを防ぐための部材とペン軸との接合部で接着剤がとれ約4 mm程度はなれていた。点検時には、この状態でも水平方向に対しては異常は起きないと判断されたが、この大船渡防地-Sの記録波形を見ると、記録の始めの波形がまだ大きくならない部分でペンの動きに若干の異常があるように思われる。

また、今回港湾地域において最も大きい加速度を得た観測地点塩釜工場-Sの強震計設置場所で、地震後改めてPS検層や密度測定を含めたボーリング調査工事が実施された。この結果については別資料で報告する予定である。

1978年宮城県沖地震が発生する以前の同年2月20日13時37分頃宮城県沖にマグニチュード6.7の地震が発生しており、この地震により宮城県から岩手県にかけてかなりの被害が生じた。この地震から1978年宮城県沖地震の発生した6月12日までの間、さらにこれに引き続いて宮城県沖を震源とする地震が多発している。これらの地震で得られた強震記録は、この資料とは別に港湾地域強震観測年報で報告する予定である。

STRONG-MOTION EARTHQUAKE RECORDS ON THE 1978 MIYAGI-KEN-OKI EARTHQUAKE IN PORT AREAS

Eiichi KURATA*
Susumu IAI*
Yoshiko YOKOYAMA*
Hajime TSUCHIDA**

Synopsis

This report presents the strong-motion earthquake records of the 1978 Miyagi-ken-oki 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. 14 records of them are presented as acceleration time histories, integrated velocities and displacements, response spectra and Fourier spectra. Listing of the digitized records are presented for 5 records. This report has almost the same format and almost the same procedures for data processing as the preceding annual report.

1. Introduction

On June 12, 1978, an earthquake of magnitude 7.4 hit northern Japan. The epicenter was located at about 120 km west of Sendai City which is one of the largest cities in northern Japan. This modern city suffered failures of her lifeline systems such as electricity, water, and gas supply as well as damage to human beings and engineering structures. The earthquake was named as "1978 Miyagi-ken-oki earthquake" by the Japan Meteorological Agency (JMA).

The earthquake triggered many strong-motion accelerographs of the network of the Port and Harbour Research Institute (PHRI). The largest peak ground acceleration was recorded at Shiogama Port as 273 Gals, which was the largest horizontal ground acceleration of those which had ever been recorded in the strong-motion observation history of the PHRI network.

The strong-motion earthquake records from the PHRI network were used to be published as annual reports (1 through 13 in References) except two special reports on the great earthquakes (14 and 15 in References). This report is the third special compilation of the records which may serve a convenience to the users with special interest in this great earthquake.

This report presents followings on the strong-motion earthquake records, from the PHRI network, of the 1978 Miyagi-ken-oki 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) Listing of original digitized records without instrument correction

The format of the publication and the procedures for data processing are almost identical with those of the preceding annual report (13) except a few points to be described in the following sections of this report.

The strong-motion earthquake observations are being carried out by several organizations and agencies in Japan. Therefore, beside the records in this report, there are many other records of the 1978

* Members of Earthquake Resistant Structures Laboratory, Structures Division

** Chief of Earthquake Resistant Structures Laboratory, Structures Division

Miyagi-ken-oki earthquake. The nationwide compilation of the strong-motion earthquake records of the earthquake is available separately (16).

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 Bureaus (Sections) of Prefectural Governments (Tokyo, Osaka, Iwate, Shizuoka, and Miyazaki).

2. Earthquakes

The strong-motion earthquake records of the main shock are listed in "Strong-Motion Earthquake Observation Results" which are presented in the later part of this report. There are some other strong-motion earthquake records obtained during several days after the main shock and triggered by the earthquakes whose epicenters were located almost in the same places as that of the main shock; according to the Reference (18), however, they are not explicitly classified as aftershocks. Therefore, such records are not listed in this report.

The event data of the main shock is 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 (17).

Table 1 JMA Seismic Intensity Scale (After Ref. 25)

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 warehouses.
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 landslip, large fissures in the ground, faults.

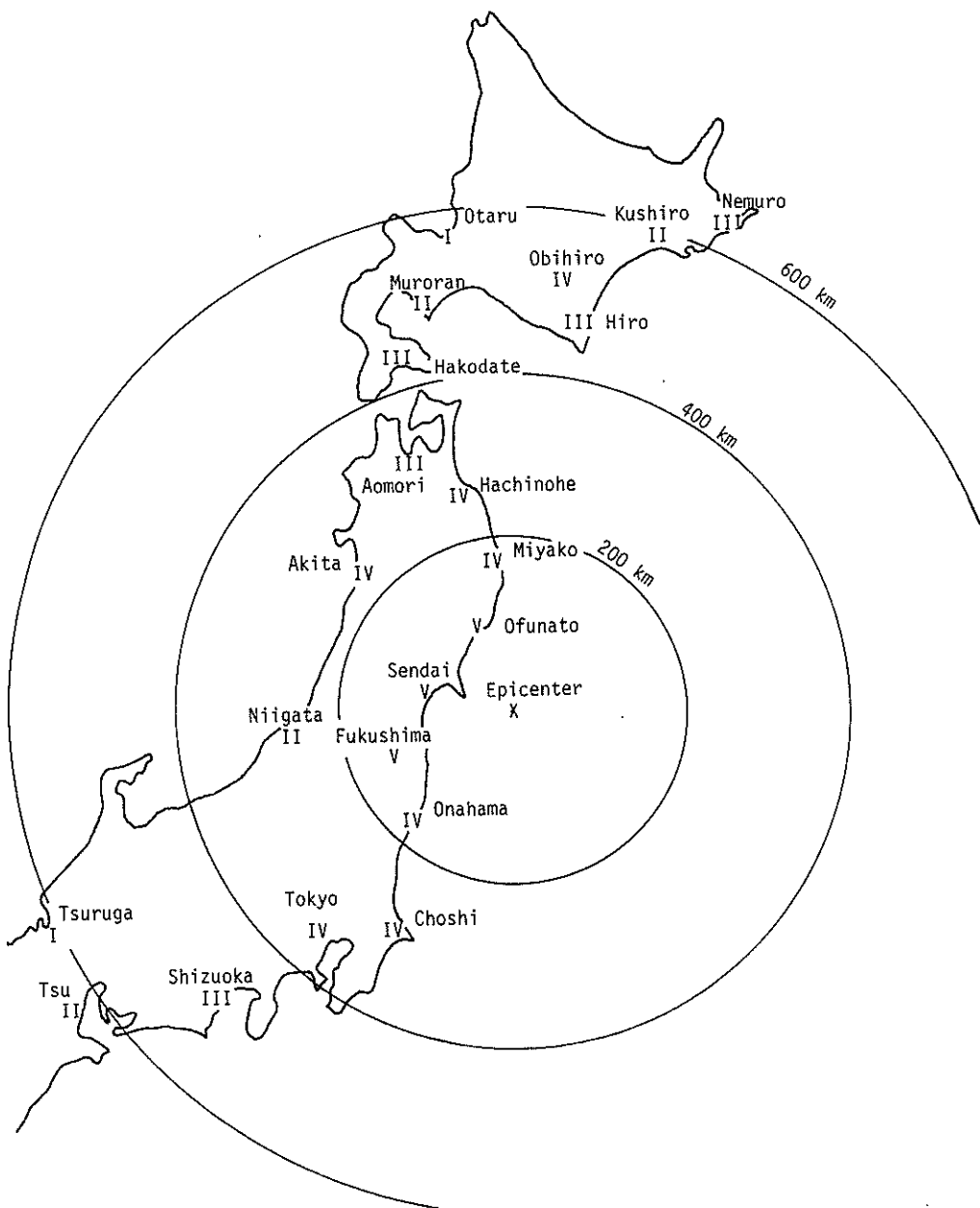


Fig. 1 Epicenter and seismic intensities of main shock of June 12, 1978 (17:14)

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 13).

Site data of the stations have been published separately (19 through 22). 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 (13). The correction for start up of recording paper drive of the SMAC-B2 accelerograph is slightly modified for the improvement as was described in the preceding special report (15).

The descriptions in details on the digitization and the corrections are available in separate reports (23) and (24) as well as in the preceding annual report.

5. A Remark for S-1210 E41S

There was a report from the Ofunato-bo-chi-S station that a pen for recording E41S component had a trouble when the earthquake occurred. The trouble was that the web of the pen had a crack at the upper part of the pivot of the pen. This trouble causes weaker torsional stiffness but it does not change the horizontal stiffness and the vertical pressure.

Only possible distortion of the waveform is caused by torsional moment around axis of the pen arm due to friction force between the pen point and the recording paper. The moment due to the friction force is not large nor degree of reduction of torsional stiffness. The beginning part of the record of S-1210 E41S has, however, unusual waveform. Therefore, authors think distortion of the waveform may exist throughout the record of this component, but degree of the distortion may not be so large as to get rid of this component as an erroneous waveform.

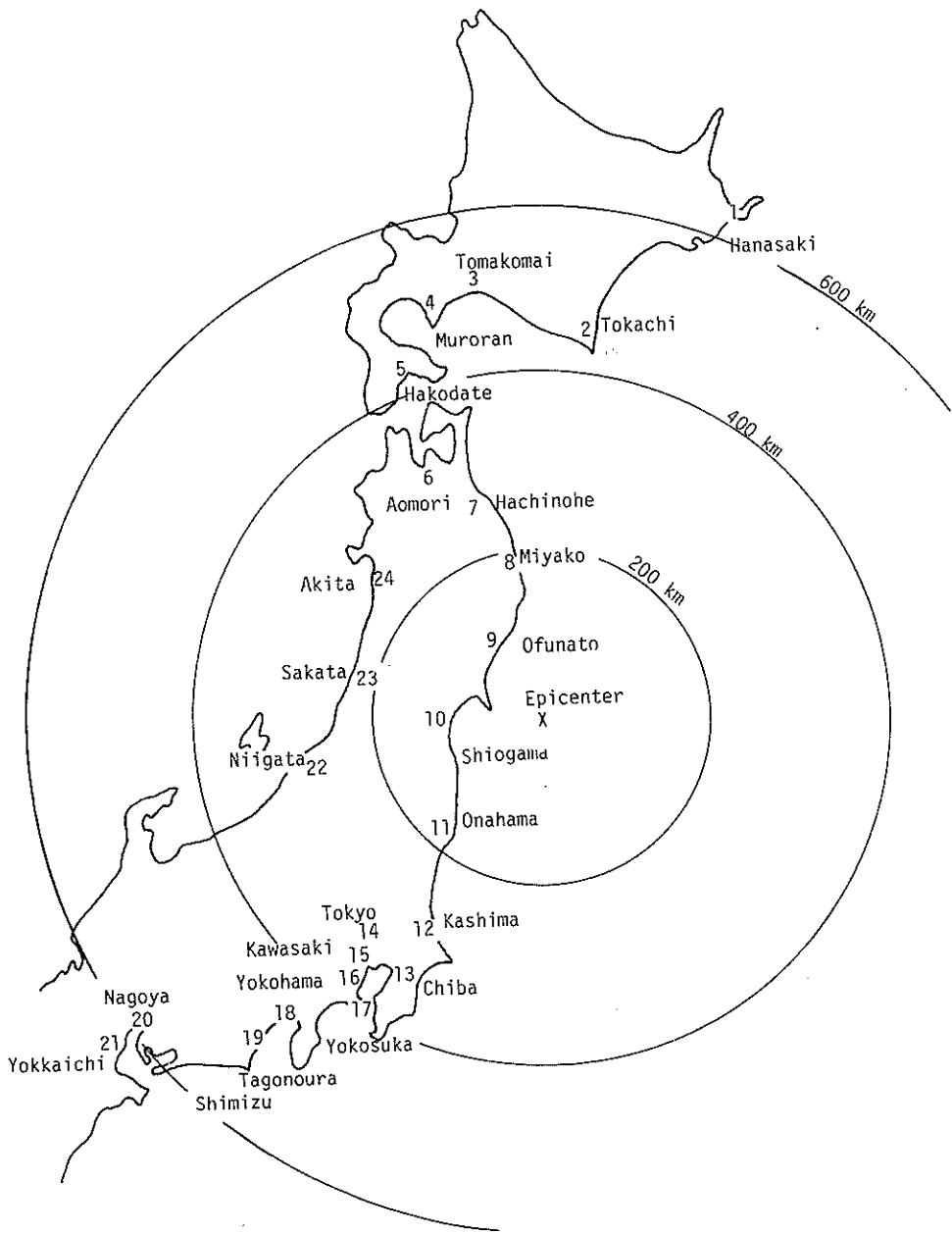


Fig. 2 Locations of stations of PHRI network

Table 2 Strong-Motion Earthquake Stations of PHRI, Recording the Main Shock

No. of port*	Name of port	Name of station	Type of accelerograph	Installation condition	Ref. No. **
1.	Hanasaki Port	Hanasaki-M	ERS-C	on ground	298
2.	Tokachi Port	Tokachi-M	ERS-C	on ground	298
3.	Tomakomai Port	Tomakomai-S	SMAC-B2	on ground	107
4.	Muroran Port	Muroran-S	SMAC-B2	on ground	34, 107
5.	Hakodate Port	Hakodate-M	ERS-C	on ground	298
6.	Aomori Port	Aomori-S	SMAC-B2	on ground	107, 156, 298
7.	Hachinohe Port	Hachinohe-S	SMAC-B2	on ground	34, 107
8.	Miyako Port	Miyako-S	SMAC-B2	on ground	34, 107
9.	Ofunato Port	Ofunato-bochi-S	SMAC-B2	on ground	107
		Ofunato-bo-S	SMAC-B2	on structure	34
10.	Shiogama Port	Shiogama-kojyo-S	SMAC-B2	on ground	107, 156
11.	Onahama Port	Onahama-S	SMAC-B2	on ground	34
12.	Kashima Port	Kashima-Zokan-S	SMAC-B2	on ground	298
13.	Chiba Port	Chiba-S	SMAC-B2	on ground	107
14.	Tokyo Port	Shinagawa-S	SMAC-B2	on ground	34, 107
15.	Kawasaki Port	Kawasaki-dai5-chi-M	ERS-B	on ground	34
		Kawasaki-dai5-ko-M	ERS-B	on structure	34
16.	Yokohama Port	Keihin-ji-S	SMAC-B2	on ground	34
		Yamashita-hen-S	SMAC-B2	on ground	34
		Yamashita-hen-M	ERS-C	on ground	298
		Yamashita-dai6-S	SMAC-B2	on structure	34
		Yamashita-dai7-M	ERS-B	on structure	34
17.	Yokosuka Port	Koken-M	ERS-B	on ground	34
18.	Tagonoura Port	Tagonoura-S	SMAC-B2	on ground	107
19.	Shimizu Port	Shimizu-miho-S	SMAC-B2	on ground	298
		Okitsu-S	SMAC-B2	on ground	34, 156
		Shimizu-kojyo-S	SMAC-B2	on ground	34, 156
		Shimizu-sekitan-M	ERS-B	on structure	34, 156
20.	Nagoya Port	Nagoya-zokan-S	SMAC-B2	on ground	34, 156
		Inae-yaita-M	ERS-B	on structure	34
21.	Yokkaichi Port	Yokkaichi-sekitan-M	ERS-B	on structure	34
22.	Niigata Port	Niigata-ji-S	SMAC-B2	on ground	34
23.	Sakata Port	Sakata-S	SMAC-B2	on ground	34
24.	Akita Port	Akita-S	SMAC-B2	on ground	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.

References

- 1) Hajime Tsuchida, Teiichiro Yamada, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1963 and 1964), Technical Note of Port and Harbour Research Institute, No. 55, September 1968, 86p.
- 2) Hajime Tsuchida, Teiichiro Yamada, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1965 and 1966), Technical Note of Port and Harbour Research Institute, No. 62, December 1968, 145p.
- 3) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1967), Technical Note of Port and Harbour Research Institute, No. 64, March 1969, 182p.
- 4) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1968), Technical Note of Port and Harbour Research Institute, No. 98, March 1970, 342p.
- 5) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1969), Technical Note of the Port and Harbour Research Institute, No. 100, June 1970, 86p.
- 6) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1970), Technical Note of the Port and Harbour Research Institute, No. 116, March 1971, 171p.
- 7) Eiichi Kurata, Tokuzo Ishizaka and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1971), Technical Note of the Port and Harbour Research Institute, No. 136, March 1972, 195p.
- 8) Eiichi Kurata, Tokuzo Ishizaka and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1972), Technical Note of the Port and Harbour Research Institute, No. 160, March 1973, 206p.
- 9) Eiichi Kurata, Tokuzo Ishizaka and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1973), Technical Note of the Port and Harbour Research Institute, No. 181, March 1974, 152p.
- 10) Eiichi Kurata, Tokuzo Ishizaka and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1974), Technical Note of the Port and Harbour Research Institute, No. 202, March 1975, 124p.
- 11) Eiichi Kurata, Susumu Iai and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1975), Technical Note of the Port and Harbour Research Institute, No. 236, March 1976, 64p.
- 12) Eiichi Kurata, Susumu Iai and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports, Supplementary (1963 through 1975, Vertical component), Technical Note of the Port and Harbour Research Institute, No. 250, December 1976, 290p.

- 13) Eiichi Kurata, Susumu Iai and Hajime Tsuchida: Annual Report on Strong-Motion Earthquake Records in Japanese Ports (1976 and 1977), Technical Note of the Port and Harbour Research Institute, No. 287, March 1978, 194p.
- 14) Hajime Tsuchida, Eiichi Kurata and Katsuko Sudo: Strong-Motion Earthquake Records on the 1968 Tokachi-Oki Earthquake and Its Aftershocks, Technical Note of the Port and Harbour Research Institute, No. 80, June 1969, 476p.
- 15) Eiichi Kurata, Susumu Iai and Hajime Tsuchida: Strong-Motion Earthquake Records on the 1978 Izu-Oshima-Kinkai Earthquake in Port Areas, Technical Note of the Port and Harbour Research Institute, No. 317, March 1979, 383p.
- 16) Strong-Motion Earthquake Observation Council (Editor): Prompt Report on Strong-Motion Accelerograms No. 15 (June 12, 1978, MIYAGI-KEN-OKI Earthquake), published by the National Research Center for Disaster Prevention, Science and Technology Agency, July 1978, 15p.
- 17) The Seismological Bulletin of the Japan Meteorological Agency for June 1978, The Japan Meteorological Agency, 1978.
- 18) Jishin-Kazan-Gaikyo for June 1978, (Preliminary Report of Earthquakes and Volcano Eruptions for June 1978), The Japan Meteorological Agency, 1978.
- 19) Hajime Tsuchida, Teiichiro Yamada and Eiichi Kurata: Site Characteristics of Strong-Motion Earthquake Stations in Ports and Harbours in Japan (Part 1), Technical Note of Port and Harbour Research Institute, No. 34, November 1967, 306p.
- 20) Eiichi Kurata, Hajime Tsuchida and Katsuko Sudo: Site Characteristics of Strong-Motion Earthquake Stations in Ports and Harbours in Japan (Part 2), Technical Note of the Port and Harbour Research Institute, No. 107, December 1970, 87p.
- 21) Eiichi Kurata and Tokuzo Ishizaka: Site Characteristics of Strong-Motion Earthquake Stations in Ports and Harbours in Japan (Part 3), Technical Note of the Port and Harbour Research Institute, No. 156, March 1973, 54p.
- 22) Yoshiko Yokoyama and Eiichi Kurata: Site Characteristics of Strong-Motion Earthquake Stations in Port and Harbours in Japan (Part 4), Technical Note of the Port and Harbour Research Institute, No. 298, June 1978, 110p.
- 23) Susumu Iai, Eiichi Kurata and Hajime Tsuchida: Digitization and Correction of Strong-Motion Accelerograms, Technical Note of the Port and Harbour Research Institute, No. 286, March 1978, 56p.
- 24) Susumu Iai and Eiichi Kurata: Integration of Strong-Motion Accelerograms, Proceedings of the 5th Japan Earthquake Engineering Symposium, November 1978, 225-232p.
- 25) The Seismological Bulletin of the Japan Meteorological Agency for January 1978, The Japan Meteorological Agency, 1978.

Observation Results

and

Preliminary Analyses

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	17:14 June 12, 1978	Intensities
Location of Hypocenter		V. Ofunato, Sendai, Fukushima
Epicentral Region	Off Miyagi Pref.	IV. Tokyo, Akita, Choshi, Obihiro, Miyako, Yokohama, Yamagata, Hachinohe, Mito, Sakata, Miyako, Onahama, Tateyama
Latitude	38.15°N	III. Aomori, Shizuoka, Kushiro, Hiroo
Longitude	142.17°E	II. Sapporo, Niigata, Tsu, Hikone
Depth	40 km	I. Tsuruga, Abashiri, Hamamatsu
Class		
Magnitude	7.4	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station			Record Number	Max. Acceleration (gal)		
Abbreviated Name	Installation Condition	Epicentral Distance (km)		NS	EW	UD
Yamashita-dai6-S	on structure	374	S-1187	20	19	9
Kehin-ji-S	on ground	376	S-1188	31	25	10
Yamashita-hen-S	on ground	374	S-1189	25	15	6
Onahama-S	on ground	174	S-1191	44	51	19
Aomori-S	on ground	319	S-1192	21	23	9
Sakata-S	on ground	220	S-1193	30	34	19
Shinagawa-S	on ground	354	S-1194	9	10	5
Chiba-S	on ground	345	S-1195	26	29	6
Shimizu-miho-S	on ground	478	S-1196	13	13	10
Okitsu-S	on ground	476	S-1197	4	4	3
Shimizu-kojyo-S	on ground	480	S-1198	15	15	6
Akita-S	on ground	249	S-1200	25	24	13
Shiogama-kojyo-S	on ground	100	S-1201	270	280	169
Hachinohe-S	on ground	273	S-1202	63	61	30
Niigata-ji-S	on ground	274	S-1203	25	19	4
Miyako-S	on ground	166	S-1204	151	115	50
Nagoya-zokan-S	on ground	584	S-1205	6	4	3
Kashima-zokan-S	on ground	281	S-1206	40	30	9
Tomakomai-S	on ground	500	S-1207	9	8	1
Tagonoura-S	on ground	459	S-1209	23	36	8
Ofunato-bochi-S	on ground	103	S-1210	141	170	60
Ofunato-bo-S	on structure	103	S-1211	350	275	106
Muroran-S	on ground	475	S-1217	4	4	1

(to be continued)

(continued)

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time Location of Hypocenter Epicentral Region Latitude Longitude Depth Class Magnitude	Intensities
--	-------------

STRONG-MOTION ACCELEROGRAPH RESULTS

Station			Record Number	Max. Acceleration (gal)		
Abbreviated Name	Installation Condition	Epicentral Distance(km)		NS	EW	UD
Koken-M	on ground	392	M-216	8	7	
Yamashita-hen-M	on ground	374	M-217	25	17	7
Yamashita-dai7-M	on structure	374	M-218	1	1	
Kawasaki-dai5-ko-M	on structure	364	M-219	34 over	--	
Kawasaki-dai5-chi-M	on ground	364	M-220	24	27	
Yokkaichi-sekitan-M	on structure	609	M-221	5	15	
Shimizu-sekitan-M	on structure	481	M-222	23	20	
Inae-yaita-M	on structure	583	M-223	6	7	
Hakodate-M	on ground	422	M-224	12	14	7
Tokachi-M	on ground	469	M-225	10	10	4
Hanasaki-M	on ground	638	M-226	4	4	2

RECORD NUMBER

S-1201

STATION

SHIOGAMA-KOJYO-S

EARTHQUAKE DATA

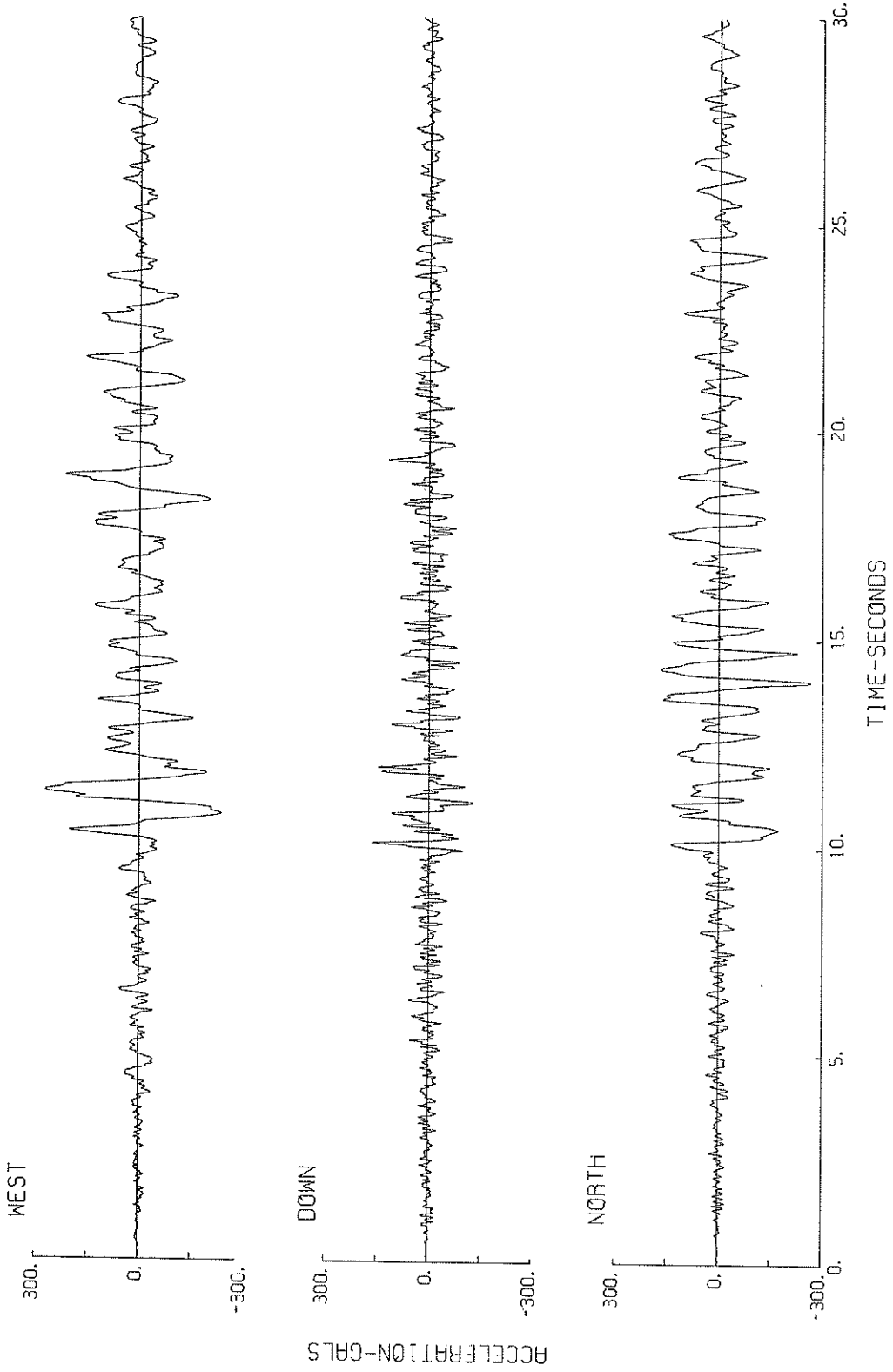
```

*****
*
*   DATE AND TIME           17:14 JUNE 12,1978
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.
*   LATITUDE                38.15 N
*   LONGITUDE               142.17 E
*   DEPTH                   40KM
*
*   MAGNITUDE              7.4
*
*****

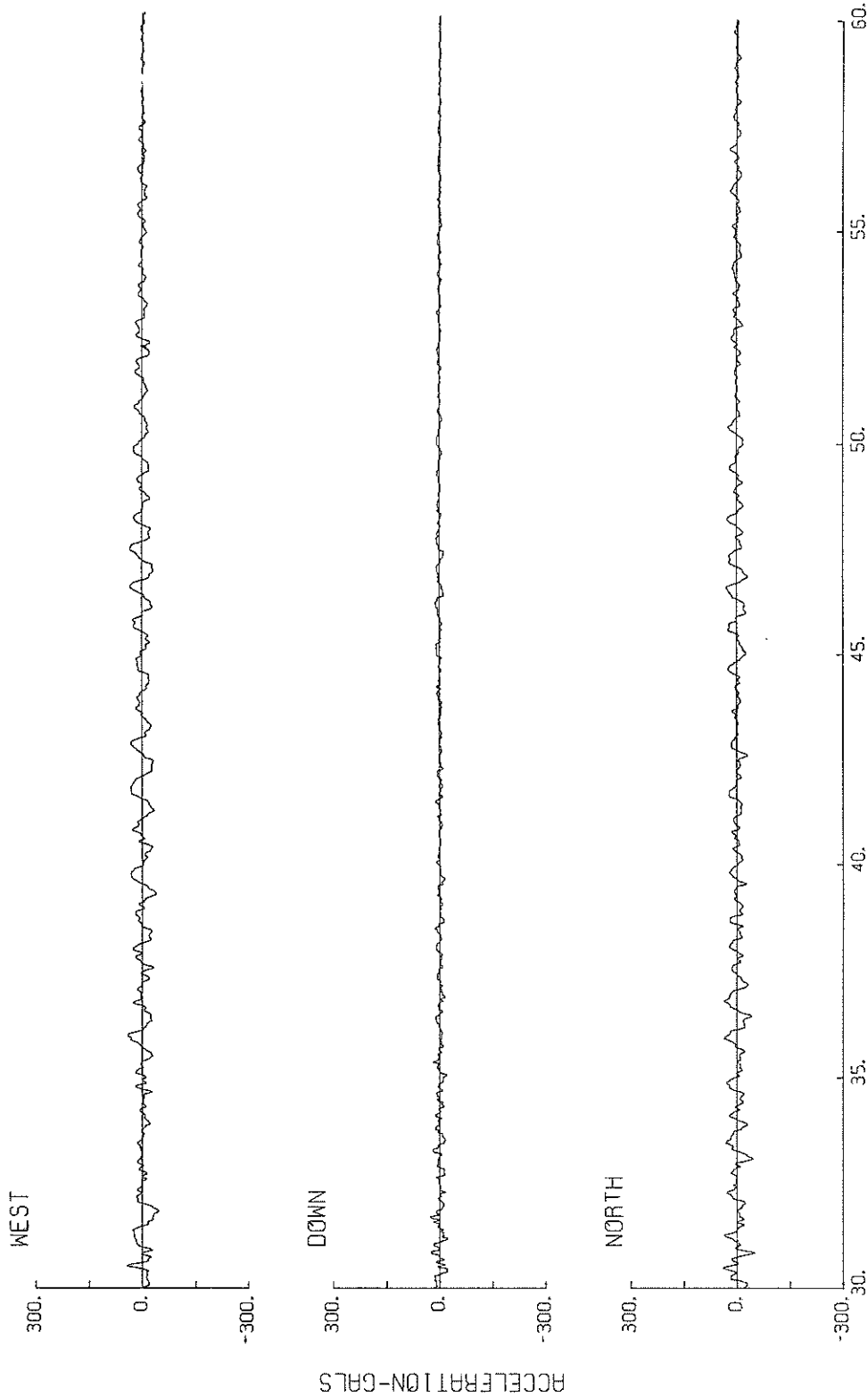
```

PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	WEST	NORTH	DOWN
FC (HZ)	0.111	0.209	0.224
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	273.	265.	166.
SMAC-B2 EQUIVALENT CORRECTED	290.	335.	252.
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	50.5	29.8	14.3
VARIABLE FILTER	50.6	29.2	15.1
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	11.8	6.22	2.64
VARIABLE FILTER	10.8	6.54	2.10

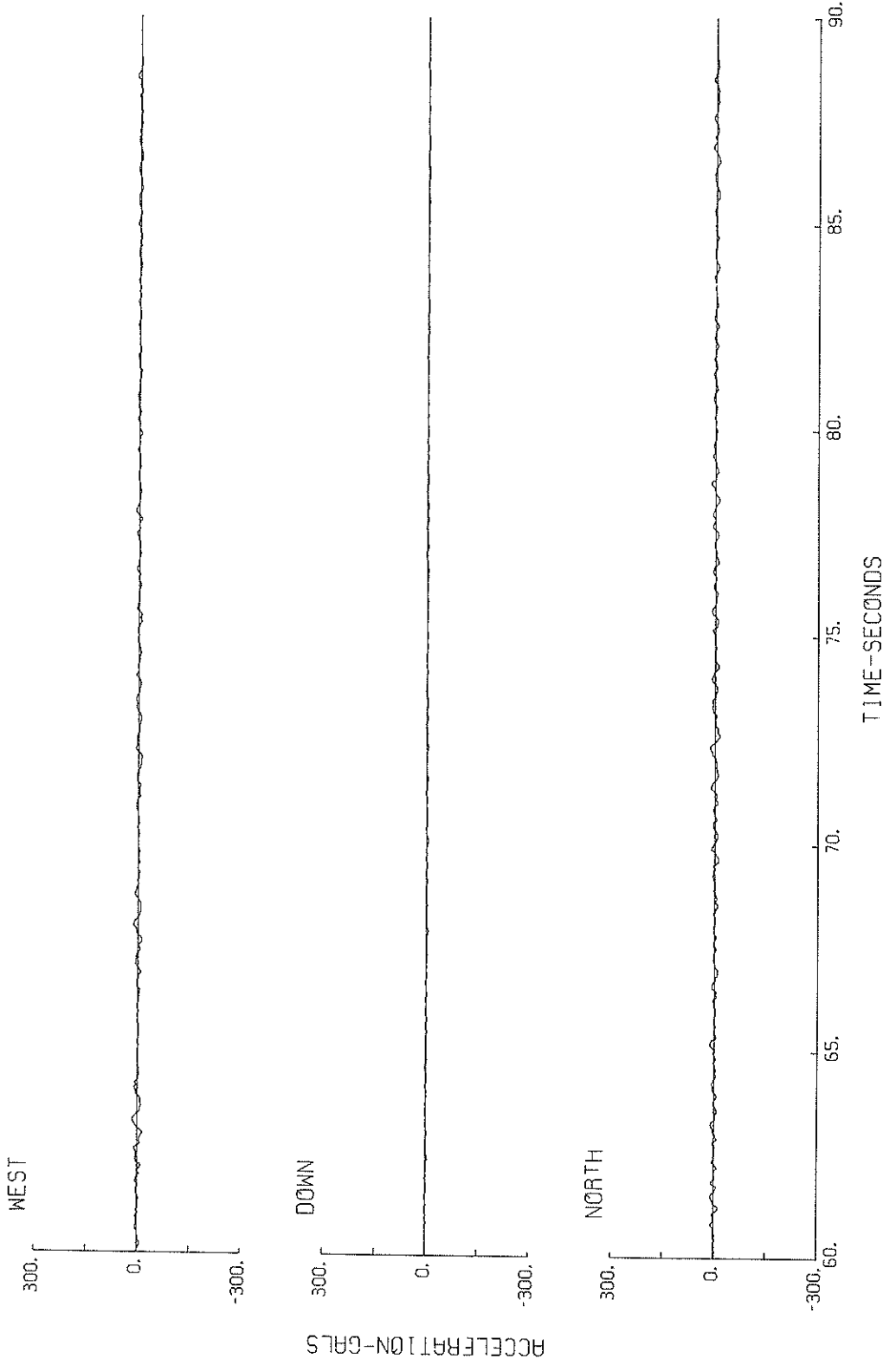
S-1201 SHIOGAMA-KOJYO-S



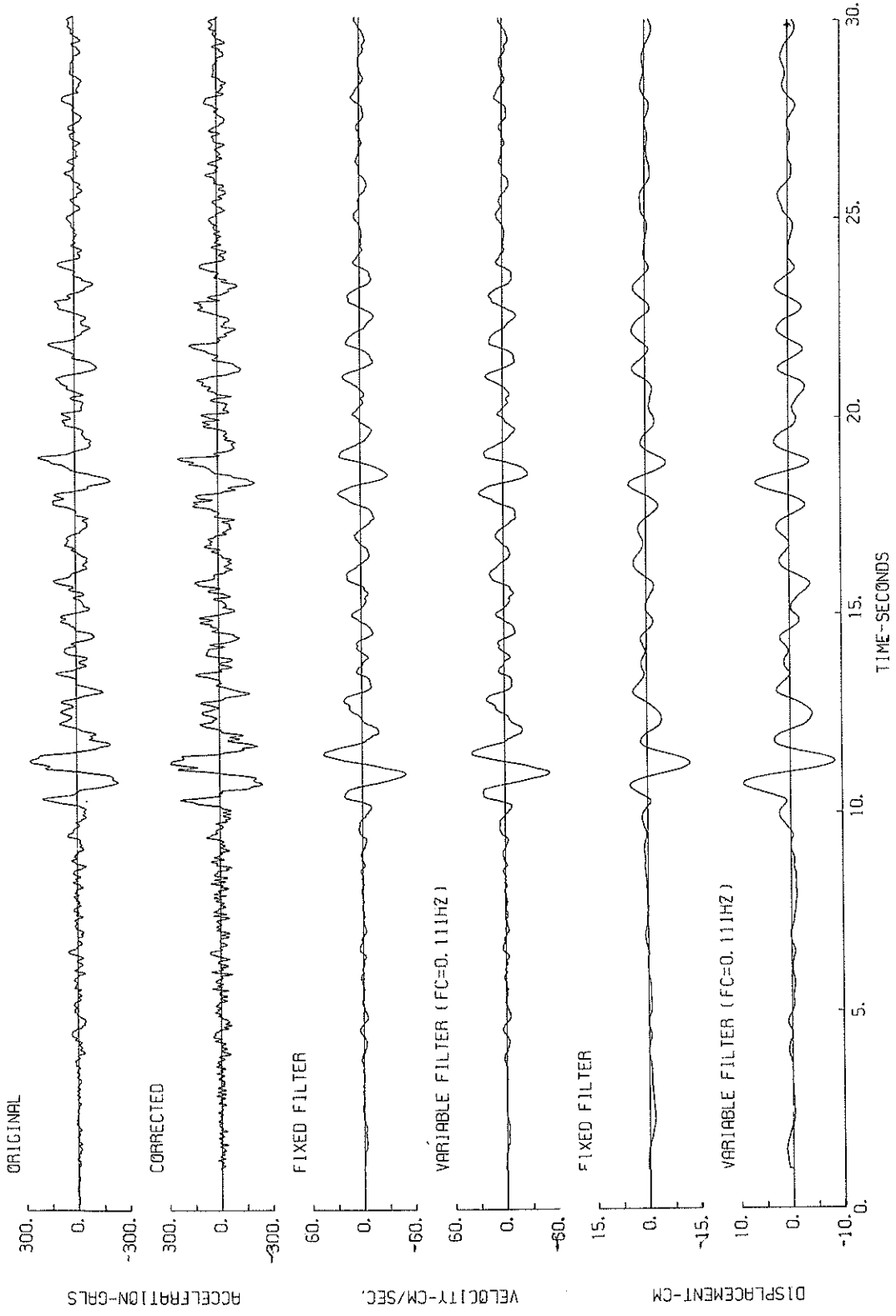
S-1201 SHIOGAMA-KOJYO-S



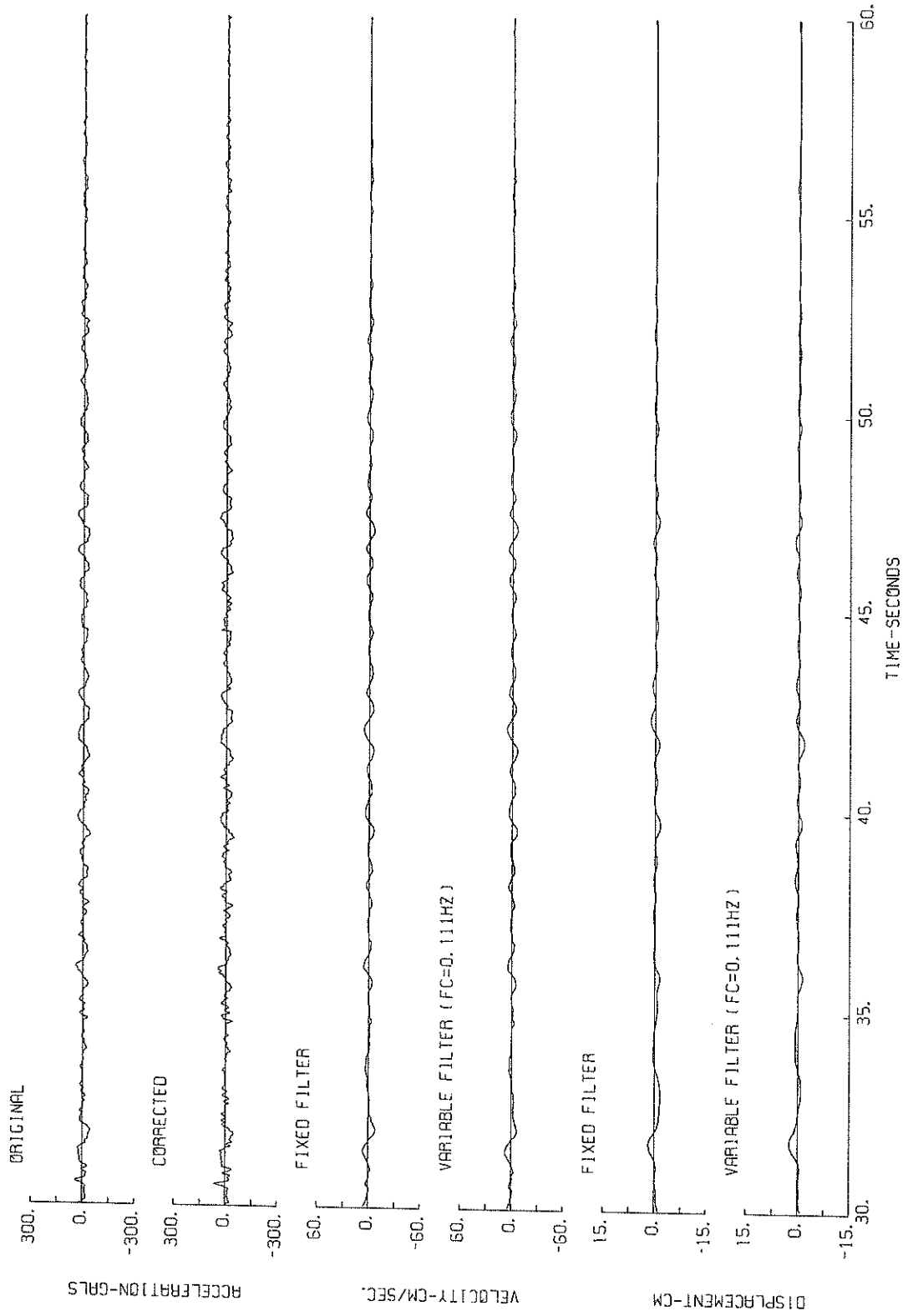
S-1201 SHIOGAMA-KOJYO-S



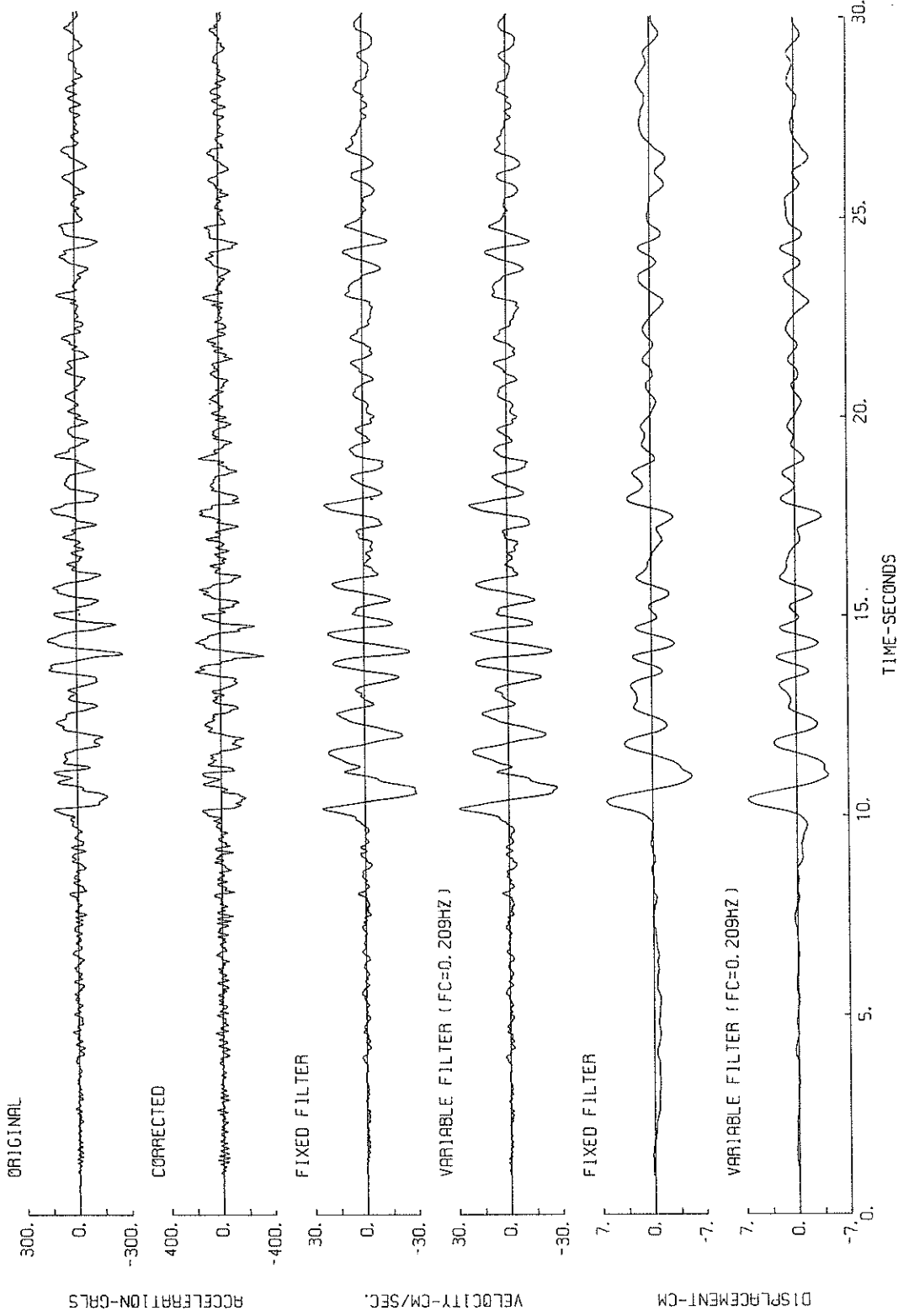
S-1201 WEST SHIOGAMA-KOJYO-S



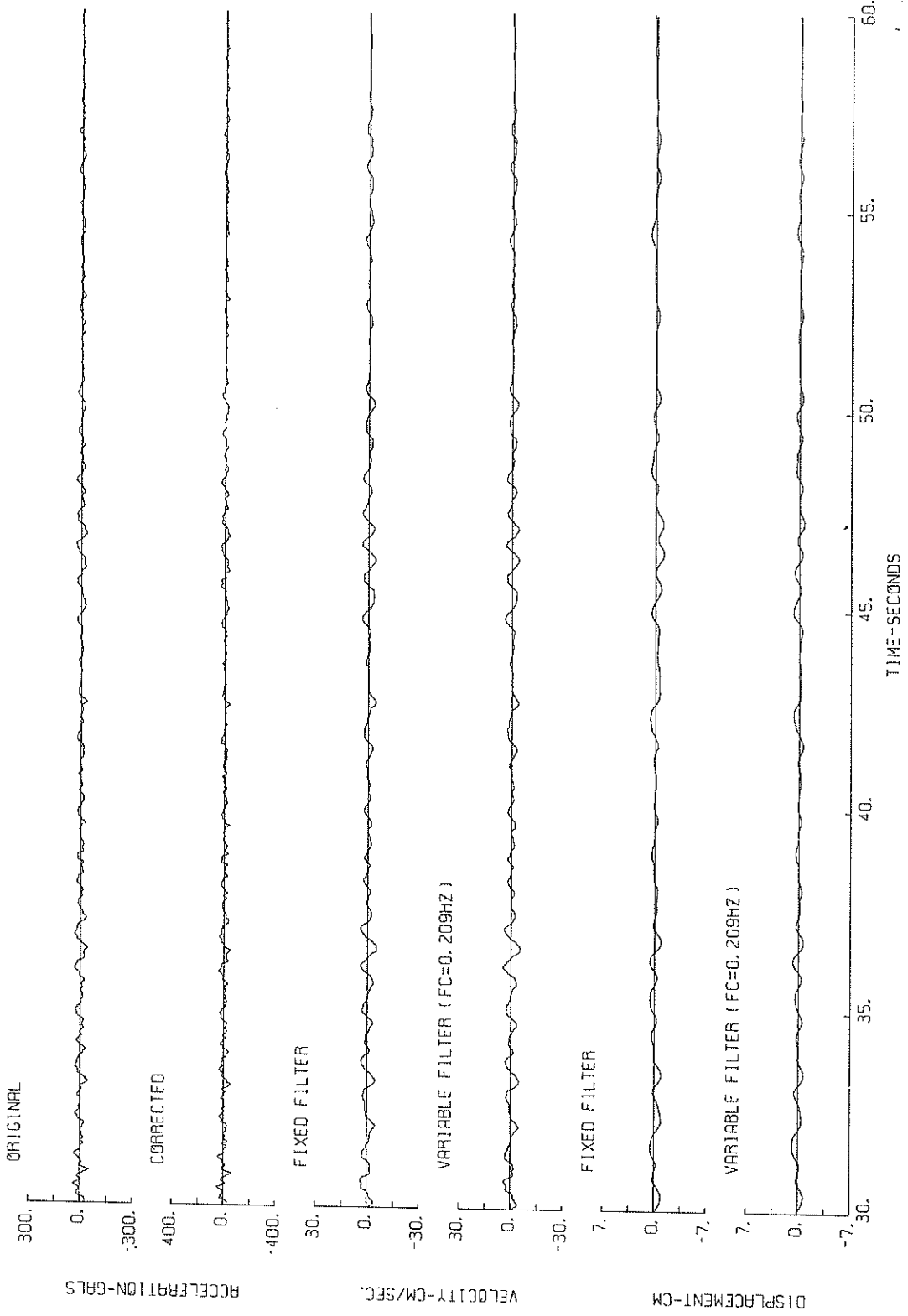
S-1201 WEST SHIOGAMA-KOJYO-S



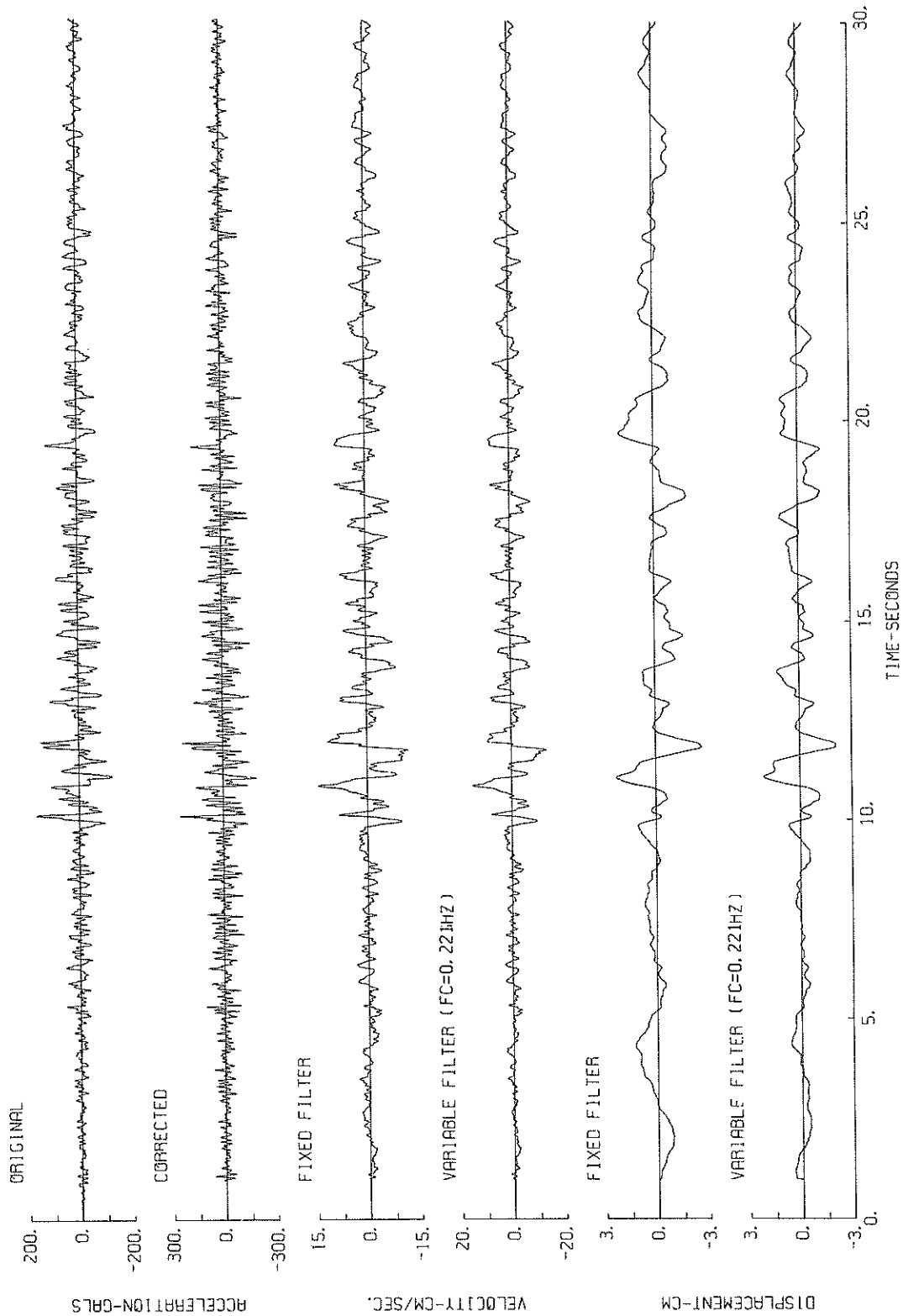
S-1201 NORTH SHIOGAMA-KOJYO-S



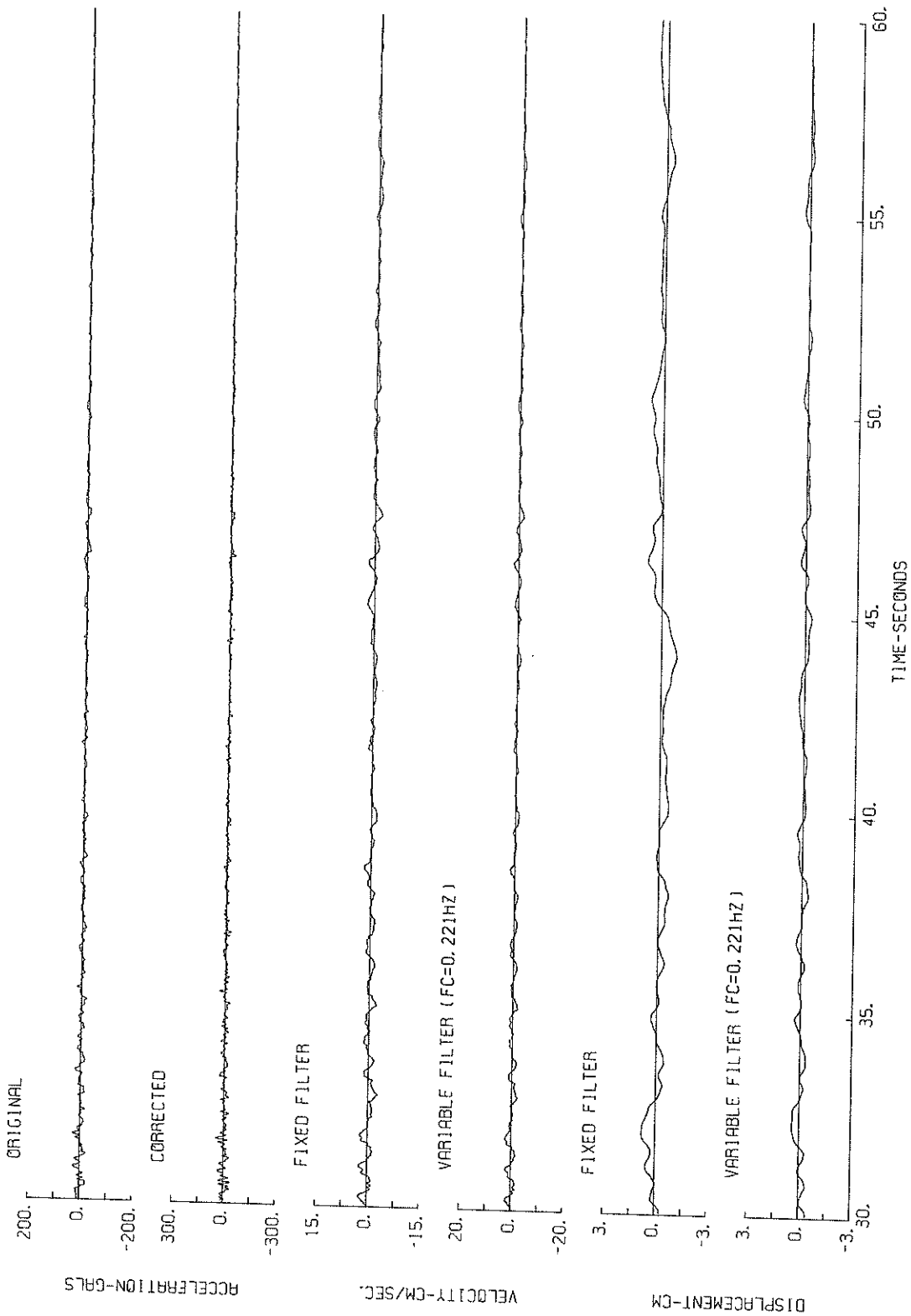
S-1201 NORTH SHIOGAMA-KOJYO-S



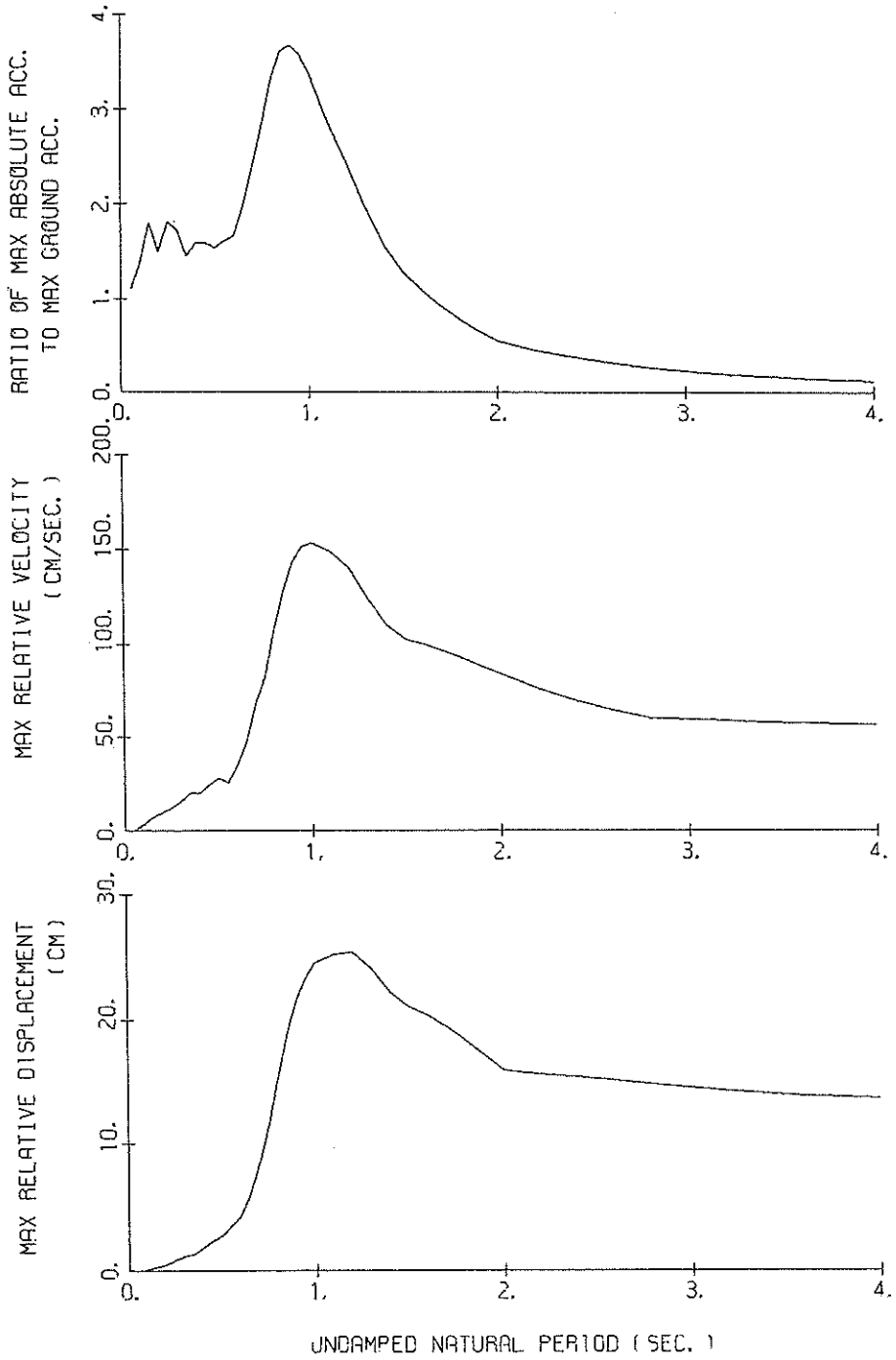
S-1201 DOWN SHIOGAMA-KOJYO-S



S-1201 DOWN SHIOGAMA-KOJYO-S



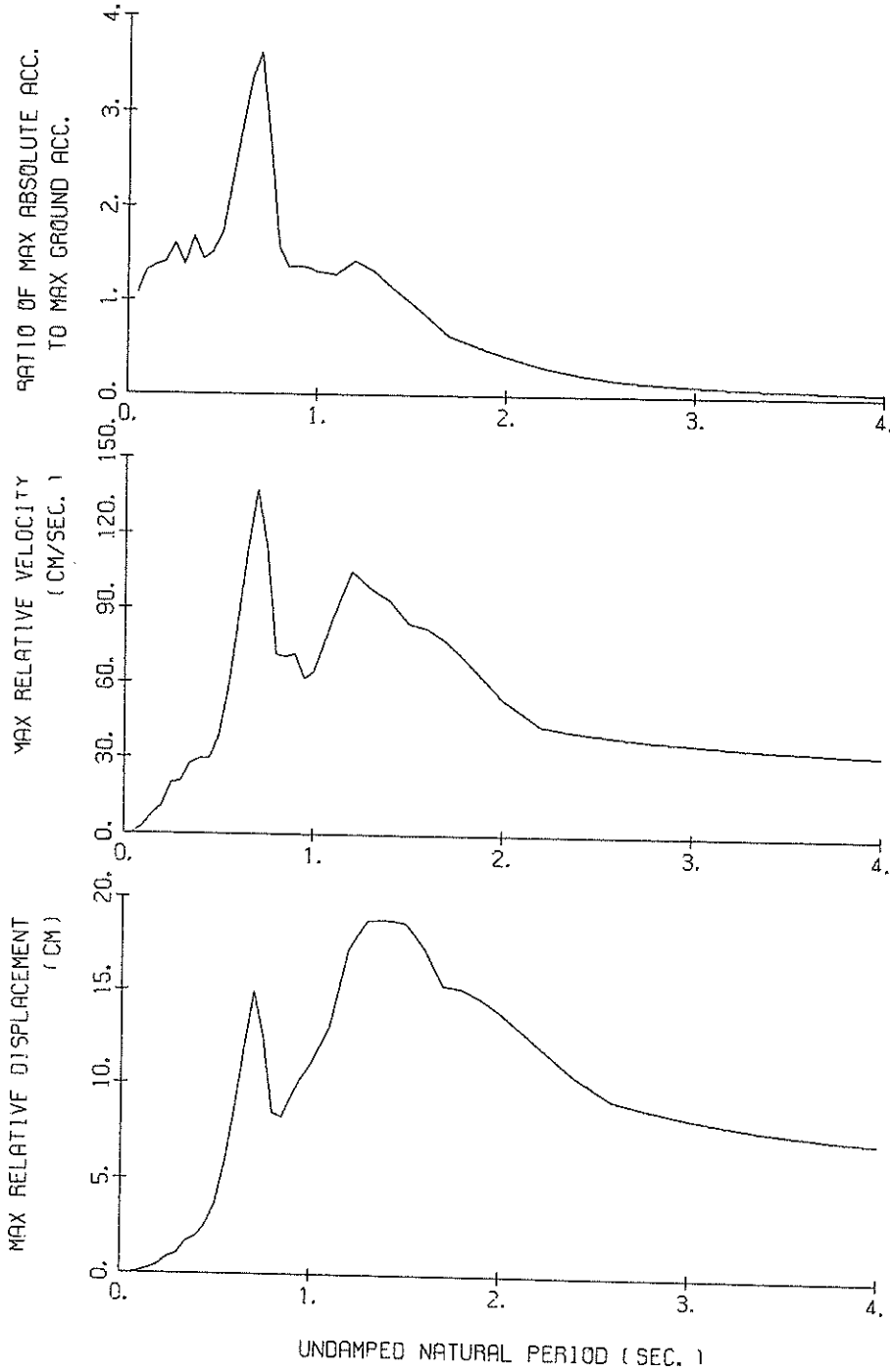
S-1201 WEST SHIOGAMA-KOJYO-S
(1/FC=9.01 sec⁻¹)



RESPONSE SPECTRA (H=0.05)

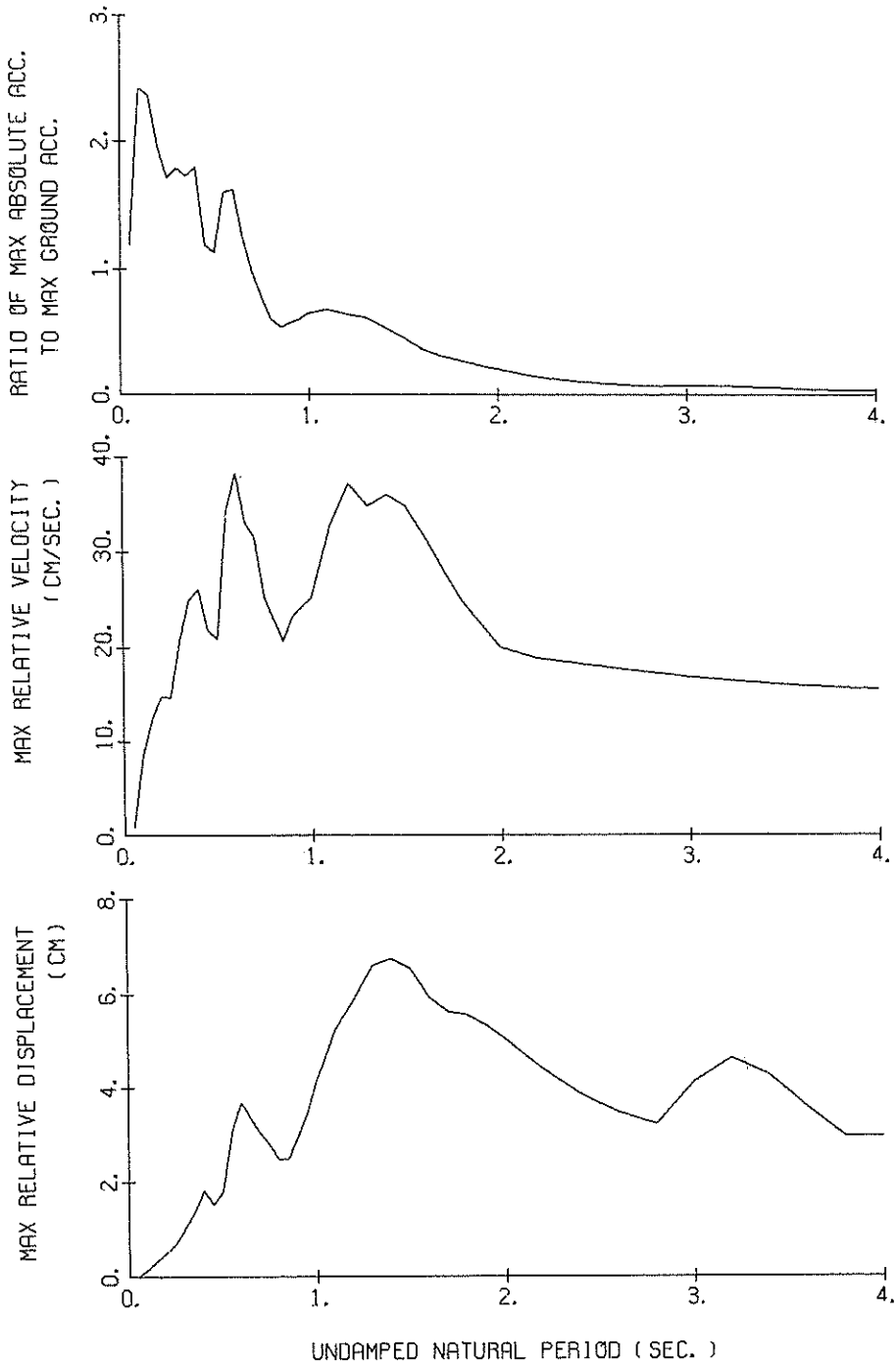
S-1201 NORTH SHIOGAMA-KOJYO-S

(1/FC=4.78 sec.)



RESPONSE SPECTRA (H=0.05)

S-1201 DOWN SHIOGAMA-KOJYO-S
 (1/FC=4.52 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1201
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 30.00 (SEC)
 COMPONENT = WEST
 SAMPRING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH =
 SIGNAL = GR. ACC.
 CORRECTION =
 MAX. GROUND ACC. = 288.58 (GAL)
 STATION = SHIOGAMA-KOJYO-S

PER	DAMPING = 0.0			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	402.2	1.68	0.025	317.2	0.52	0.020	312.3	0.46	0.020	308.3	0.43	0.019	301.0	0.41	0.019
0.10	1282.9	19.34	0.325	440.8	4.61	0.111	392.6	3.28	0.099	362.7	2.36	0.091	400.3	1.72	0.077
0.15	1426.8	33.95	0.813	590.0	9.12	0.335	521.0	7.02	0.296	445.6	5.17	0.253	363.4	3.61	0.201
0.20	1538.9	48.67	1.559	505.8	13.05	0.514	433.3	9.62	0.436	407.0	6.51	0.409	353.2	5.11	0.347
0.25	1675.4	66.89	2.652	615.5	17.43	0.975	523.7	12.00	0.830	415.1	8.95	0.650	323.0	6.43	0.495
0.30	1109.9	52.96	2.530	572.4	20.91	1.303	496.5	15.72	1.130	407.3	12.16	0.920	313.8	8.35	0.690
0.35	1147.1	58.73	3.559	531.4	27.89	1.846	419.0	19.84	1.298	325.5	13.77	0.999	306.2	10.19	0.888
0.40	1129.2	70.33	4.576	512.5	26.72	2.074	459.8	19.51	1.858	392.2	16.70	1.573	311.7	12.55	1.209
0.45	1057.0	73.25	5.422	527.9	29.10	2.705	459.9	24.50	2.356	390.0	20.07	1.990	323.6	14.93	1.636
0.50	1359.6	107.22	8.610	527.3	37.39	3.340	443.8	28.08	2.804	381.9	21.08	2.402	344.7	17.23	2.132
0.55	629.9	47.32	4.827	494.4	29.52	3.785	466.4	25.19	3.565	422.4	21.74	3.205	366.3	20.89	2.737
0.60	839.8	78.04	7.658	490.5	40.83	4.467	478.1	34.32	4.347	447.1	28.14	4.034	400.3	26.11	3.508
0.65	1027.9	100.93	11.000	601.3	58.85	6.433	569.6	47.17	6.081	524.2	39.53	5.959	436.6	32.20	4.441
0.70	1266.1	137.55	15.714	844.9	92.98	10.471	695.0	68.11	8.600	612.2	52.70	7.512	471.0	38.25	5.497
0.75	2103.3	244.07	29.968	900.6	93.27	12.828	816.9	82.22	11.999	692.7	67.39	9.744	499.0	44.27	6.624
0.80	1303.6	155.05	21.132	1107.6	124.29	17.925	958.2	108.40	15.455	750.0	85.69	11.977	516.6	51.14	7.767
0.85	1652.2	217.87	30.237	1247.3	150.40	22.258	1042.7	128.42	18.991	797.4	100.00	14.339	524.2	57.81	8.898
0.90	2008.4	277.01	41.208	1239.1	148.33	25.385	1060.6	143.55	21.695	807.7	112.14	16.269	525.2	64.07	9.950
0.95	3418.7	519.30	78.155	1369.4	201.47	31.256	1030.6	151.55	23.464	787.1	119.47	17.696	521.6	68.60	10.855
1.00	1517.7	241.46	38.444	1151.0	183.35	29.127	976.8	153.79	24.630	753.8	122.07	18.755	511.4	71.41	11.601
1.10	2357.4	421.07	72.254	1225.4	222.54	37.502	829.2	148.98	25.293	657.0	116.89	19.741	471.5	72.55	12.682
1.20	1186.6	231.34	43.282	870.7	169.49	31.718	703.2	140.34	25.516	551.7	107.57	19.682	421.3	70.15	13.323
1.30	1376.7	291.51	58.935	671.8	153.35	28.790	566.9	123.99	24.141	463.7	99.15	19.337	372.9	71.08	13.847
1.40	655.3	151.42	32.536	524.5	119.25	25.999	451.4	110.00	27.262	395.9	95.11	19.115	329.3	71.52	13.747
1.50	737.9	179.24	42.058	393.4	107.37	22.382	372.3	102.60	21.050	339.1	94.04	18.729	290.1	72.44	13.690
1.60	509.2	140.58	33.020	347.9	103.83	22.520	316.0	99.84	20.326	289.8	92.19	18.145	259.1	72.99	13.690
1.70	299.3	103.63	21.908	281.6	99.91	20.577	267.1	96.41	19.398	246.7	89.87	17.391	224.3	72.87	13.162
1.80	251.1	98.60	20.611	236.5	95.50	19.381	224.8	92.52	18.303	209.0	86.95	16.504	197.5	72.34	12.738
1.90	221.7	93.36	20.270	198.1	90.80	18.089	188.6	88.43	17.123	176.7	83.87	15.530	174.0	71.34	12.244
2.00	229.7	91.94	23.274	175.1	86.16	17.688	158.1	84.26	15.912	149.4	80.61	14.532	157.9	70.18	12.147
2.20	135.5	78.57	16.610	131.5	77.44	16.063	128.6	76.41	15.556	125.2	74.33	14.627	137.4	67.43	12.403
2.40	111.3	70.56	16.241	108.7	70.12	15.785	107.0	69.68	15.358	105.7	68.73	14.557	120.6	64.51	12.557
2.60	95.1	64.27	16.284	90.5	64.28	15.410	89.7	64.26	15.062	89.9	64.06	14.391	106.8	61.87	12.637
2.80	87.9	61.92	17.460	76.1	61.00	15.026	75.9	60.07	14.740	77.2	60.30	14.187	95.4	59.49	12.670
3.00	106.6	60.81	24.294	64.8	60.03	14.670	65.0	59.27	14.445	67.0	57.71	13.990	85.9	57.40	12.676
3.20	70.5	59.82	18.285	59.4	59.15	15.351	56.3	58.51	14.186	58.7	57.17	13.809	78.1	55.59	12.673
3.40	60.5	58.96	17.725	51.7	58.40	15.078	49.3	57.83	13.981	52.0	56.69	13.664	71.5	54.04	12.666
3.60	47.4	58.22	15.560	42.9	57.75	13.950	43.7	57.24	13.822	46.5	56.26	13.547	65.8	53.12	12.664
3.80	45.4	57.61	16.597	38.2	57.19	13.814	39.0	56.75	13.704	41.9	55.87	13.459	61.0	53.07	12.663
4.00	41.5	57.09	16.801	35.6	56.73	14.320	35.1	56.34	13.621	38.1	55.54	13.400	56.9	53.00	12.674

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

RESPONSE SPECTRUM

RECORD = S-1201 COMPONENT = NORTH SIGNAL = GR. ACC. CORRECTION = STATION = SHIOGAMA-KOJOYOS
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 335.30 (GAL)
 TIME LENGTH = 30.00 (SEC) SKIPPED LENGTH = 9.00 (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	373.2	0.71	0.024	354.5	0.48	0.022	358.8	0.45	0.023	360.6	0.45	0.023	358.7	0.44	0.022					
0.10	934.9	14.61	0.237	419.3	3.33	0.106	444.2	3.03	0.112	443.6	2.65	0.112	402.4	2.12	0.099					
0.15	1027.3	23.76	0.585	481.2	9.33	0.273	459.6	7.87	0.262	432.2	6.37	0.245	394.6	4.30	0.216					
0.20	2168.1	68.21	2.197	581.9	14.37	0.588	474.6	11.09	0.479	415.6	8.37	0.417	376.1	5.82	0.367					
0.25	1675.6	64.26	2.653	719.6	24.53	1.336	538.1	20.06	0.853	411.0	15.40	0.639	361.7	8.47	0.548					
0.30	1206.5	55.87	2.750	582.9	25.89	1.326	463.5	20.75	1.054	387.5	15.52	0.871	353.0	10.96	0.764					
0.35	1407.6	77.63	4.368	732.2	38.55	2.273	563.2	27.73	1.745	415.2	19.62	1.272	337.6	13.84	0.991					
0.40	1545.0	97.92	6.262	589.9	37.27	2.384	482.7	29.60	1.952	394.7	22.46	1.579	341.0	16.86	1.308					
0.45	895.0	56.26	4.591	602.0	35.48	3.087	509.6	29.50	2.604	445.0	26.13	2.256	369.9	21.04	1.782					
0.50	1413.3	112.07	8.950	619.0	40.95	3.916	579.7	38.44	3.680	523.9	35.51	3.275	403.1	26.02	2.369					
0.55	902.4	75.46	6.915	842.7	63.52	6.445	765.5	58.38	5.843	629.8	48.61	4.756	430.1	30.79	3.012					
0.60	1973.2	187.09	17.994	1247.0	116.26	11.364	947.2	85.49	8.600	694.9	59.01	6.234	441.9	34.71	3.631					
0.65	2974.4	308.87	31.833	1527.7	155.36	16.322	1122.2	113.44	11.949	765.6	76.47	8.035	433.9	38.01	4.140					
0.70	2805.0	314.88	34.815	1642.0	189.03	20.364	1211.4	137.15	14.958	786.9	86.22	9.567	403.0	40.30	4.446					
0.75	1963.7	233.12	27.980	1146.7	147.50	16.310	889.3	115.63	12.603	639.3	81.78	8.911	369.9	42.74	4.639					
0.80	881.6	116.39	14.292	663.6	86.78	10.744	525.5	71.22	8.470	470.9	69.64	7.442	328.4	44.68	4.750					
0.85	1004.4	135.66	16.362	513.7	74.92	9.390	453.2	70.43	8.263	390.5	64.25	6.950	297.7	44.84	4.817					
0.90	685.8	103.69	14.070	532.1	82.03	10.908	458.4	71.79	9.358	381.1	61.77	7.677	273.1	43.87	4.982					
0.95	1055.8	159.54	24.136	501.5	73.71	11.450	453.7	61.43	10.315	378.6	57.97	8.459	263.2	42.23	5.334					
1.00	540.8	78.59	13.699	485.6	71.76	12.284	439.1	64.45	11.054	368.6	56.02	9.050	253.6	39.87	5.676					
1.10	1053.9	191.13	32.300	579.3	109.21	17.730	429.6	86.12	13.068	325.6	61.39	9.746	232.4	41.62	6.328					
1.20	818.0	176.24	29.838	573.9	133.33	20.898	477.3	104.89	17.314	356.1	72.14	12.682	211.3	41.29	6.910					
1.30	813.1	175.82	34.806	553.9	123.37	23.668	441.8	97.89	18.788	326.5	72.51	13.646	208.5	40.50	7.738					
1.40	596.1	142.63	29.593	458.2	112.46	22.708	381.3	93.25	18.817	304.7	71.43	14.745	198.4	40.69	8.307					
1.50	649.8	156.70	37.037	372.8	95.45	21.215	329.6	83.96	18.665	265.6	67.82	14.757	179.4	41.75	8.427					
1.60	465.1	119.68	30.158	302.5	90.33	19.582	269.5	82.12	17.347	221.3	68.74	13.912	156.0	44.25	8.206					
1.70	299.1	91.00	21.895	234.2	83.50	17.122	211.1	76.91	15.341	180.7	66.01	12.896	137.6	44.92	8.220					
1.80	219.0	79.77	17.975	201.2	74.53	16.482	186.2	69.73	15.158	162.6	61.43	12.926	125.4	44.26	8.518					
1.90	232.0	75.01	21.213	173.1	64.79	15.796	161.7	61.74	14.645	143.9	56.01	12.683	114.3	42.79	8.650					
2.00	176.3	63.94	17.867	147.4	55.40	14.902	138.8	53.84	13.921	126.0	50.43	12.236	104.4	40.88	8.650					
2.20	111.1	49.25	13.624	105.4	45.87	12.891	100.6	43.14	12.219	94.7	40.99	11.033	87.7	37.28	8.361					
2.40	77.6	44.47	11.321	74.9	42.56	10.999	72.8	40.68	10.497	70.6	39.02	9.737	74.5	36.34	7.863					
2.60	64.4	40.40	11.029	55.7	39.63	9.500	55.1	38.91	9.281	54.2	37.42	8.846	64.1	35.47	7.643					
2.80	70.3	43.90	13.966	51.9	38.11	10.253	45.2	37.53	8.801	45.3	36.38	8.477	56.0	34.63	7.508					
3.00	66.4	43.72	15.136	40.8	39.11	9.265	37.7	36.38	8.393	38.3	35.46	8.153	49.5	33.86	7.377					
3.20	40.0	39.41	10.378	31.6	36.63	8.133	31.9	35.41	8.052	32.9	34.66	7.876	44.2	33.18	7.256					
3.40	33.7	35.09	9.870	28.9	34.85	8.394	27.3	34.59	7.777	28.6	33.97	7.645	39.9	32.57	7.145					
3.60	24.9	34.31	8.181	23.4	33.40	7.605	23.8	33.90	7.554	25.1	33.40	7.456	36.4	32.04	7.048					
3.80	20.3	33.66	7.422	20.4	33.49	7.401	20.9	33.33	7.375	22.3	33.91	7.301	33.4	31.58	6.963					
4.00	17.9	33.13	7.267	18.1	32.99	7.252	18.6	32.84	7.233	20.0	32.50	7.174	30.9	31.18	6.893					

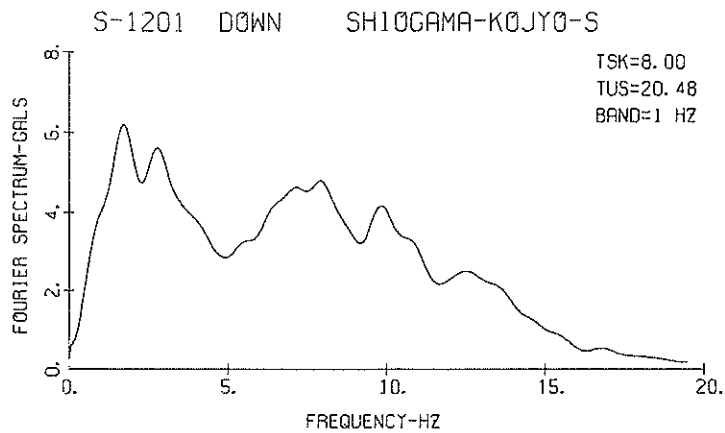
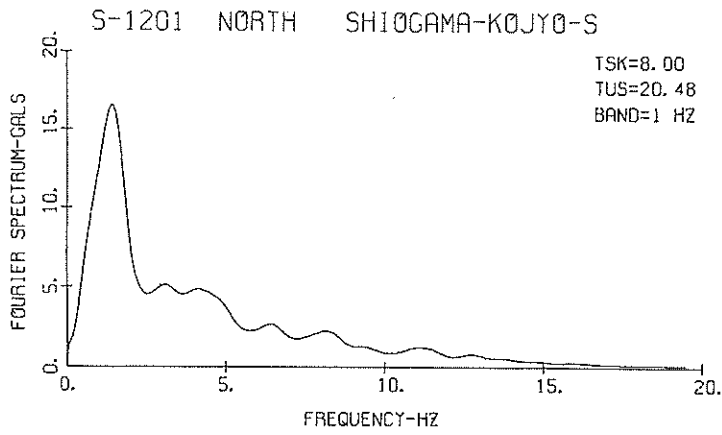
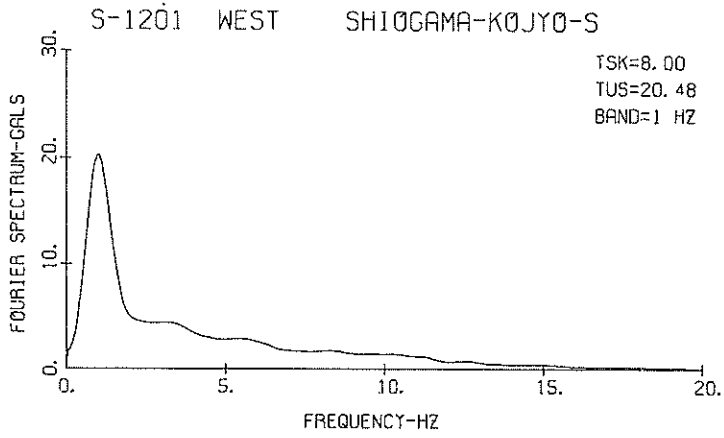
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1201
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 30.00 (SEC)
 COMPONENT = DOWN
 SIGNAL = GR. ACC.
 CORRECTION = MAX.GROUND ACC. = 251.58 (GAL)
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 9.00 (SEC)
 STATION = SHIOGAMA-KOJIYO-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	333.3	1.42	0.021	296.4	0.95	0.019	294.8	0.88	0.019	295.8	0.82	0.019	295.8	0.77	0.018	289.8	0.77	0.018		
0.10	2201.5	33.88	0.558	760.0	11.73	0.193	607.5	8.30	0.152	454.5	6.33	0.114	359.6	4.10	0.085	259.6	4.10	0.085		
0.15	2799.4	65.96	1.595	786.4	16.80	0.447	593.5	12.38	0.339	399.1	8.94	0.228	282.0	5.42	0.150	262.0	5.42	0.150		
0.20	993.4	31.77	1.007	600.9	18.71	0.611	430.6	14.82	0.501	367.8	10.20	0.366	267.7	6.96	0.250	236.6	6.96	0.250		
0.25	1018.9	40.69	1.613	471.0	17.92	0.744	430.7	14.54	0.683	369.6	12.93	0.575	258.7	9.31	0.373	236.6	9.31	0.373		
0.30	819.4	38.26	1.368	504.4	23.82	1.147	448.8	20.76	1.033	367.4	17.44	0.822	272.0	11.35	0.553	272.0	11.35	0.553		
0.35	2706.6	150.76	8.398	659.5	37.42	2.047	434.5	24.99	1.345	326.2	18.68	0.977	257.9	12.70	0.693	257.9	12.70	0.693		
0.40	1951.3	124.17	7.908	592.3	35.59	2.373	449.8	26.19	1.815	303.3	18.82	1.203	235.5	12.75	0.797	235.5	12.75	0.797		
0.45	937.2	66.46	4.807	352.8	25.39	1.811	298.0	21.81	1.520	243.9	17.24	1.217	204.3	13.19	0.859	204.3	13.19	0.859		
0.50	924.7	73.22	5.856	338.2	28.02	2.438	284.0	20.83	1.790	236.6	18.04	1.463	175.2	14.25	1.009	175.2	14.25	1.009		
0.55	1040.6	91.92	7.974	537.5	50.87	4.116	403.0	34.34	3.076	296.6	23.15	2.235	187.7	14.91	1.285	187.7	14.91	1.285		
0.60	872.2	81.98	7.954	521.0	48.93	4.749	407.6	38.29	3.698	293.6	25.65	2.623	184.2	15.38	1.462	184.2	15.38	1.462		
0.65	1068.1	110.41	11.430	425.1	42.92	4.539	314.1	33.14	3.343	237.5	25.03	2.478	166.4	15.64	1.553	166.4	15.64	1.553		
0.70	613.4	69.86	7.613	333.1	40.92	4.131	247.0	31.48	3.046	209.3	21.92	2.523	155.6	15.75	1.646	155.6	15.75	1.646		
0.75	340.8	40.19	4.856	211.6	27.50	3.013	196.2	25.39	2.777	174.2	21.94	2.404	142.0	15.73	1.684	142.0	15.73	1.684		
0.80	270.1	35.42	4.379	175.4	24.02	2.838	152.7	22.95	2.462	142.9	20.95	2.246	128.0	16.11	1.689	128.0	16.11	1.689		
0.85	180.0	25.89	3.295	147.1	22.58	2.689	136.3	20.69	2.486	121.2	19.81	2.190	115.6	16.38	1.791	115.6	16.38	1.791		
0.90	400.7	57.47	8.232	178.2	26.83	3.651	144.9	23.27	2.958	125.5	19.13	2.524	111.3	16.57	1.959	111.3	16.57	1.959		
0.95	398.6	60.35	9.111	205.7	31.41	4.698	152.4	24.33	3.462	127.6	19.03	2.850	109.8	16.79	2.147	109.8	16.79	2.147		
1.00	460.6	73.94	11.666	226.9	36.29	5.739	165.3	25.32	4.156	131.0	21.11	3.220	108.6	17.01	2.345	108.6	17.01	2.345		
1.10	442.5	79.69	13.563	235.3	43.86	7.203	172.6	32.78	5.251	130.1	25.00	3.905	105.2	17.44	2.742	105.2	17.44	2.742		
1.20	292.9	59.86	10.686	212.1	45.54	7.721	162.3	37.23	5.888	134.2	28.30	4.813	98.5	19.70	3.119	98.5	19.70	3.119		
1.30	342.1	73.28	14.643	186.5	40.88	7.969	155.9	34.86	6.612	130.6	29.40	5.400	89.2	21.65	3.365	89.2	21.65	3.365		
1.40	204.7	51.08	10.163	153.1	39.04	7.591	136.5	36.08	6.750	115.1	31.35	5.479	83.1	22.90	3.419	83.1	22.90	3.419		
1.50	164.8	41.21	9.392	128.9	37.28	7.330	115.6	34.85	6.540	95.2	30.92	5.314	74.2	23.30	3.302	74.2	23.30	3.302		
1.60	115.4	35.82	7.486	102.3	33.58	6.626	92.3	31.75	5.939	78.4	28.95	4.911	64.3	23.01	3.120	64.3	23.01	3.120		
1.70	90.6	31.92	6.634	83.6	29.41	6.098	78.0	28.17	5.628	69.1	26.33	4.840	54.6	22.25	3.319	54.6	22.25	3.319		
1.80	78.1	28.19	6.408	72.9	26.53	5.962	68.9	24.89	5.560	62.9	23.53	4.870	50.1	21.23	3.461	50.1	21.23	3.461		
1.90	66.3	24.27	6.059	62.2	23.39	5.666	59.4	22.42	5.343	56.1	20.98	4.774	47.8	20.12	3.531	47.8	20.12	3.531		
2.00	64.1	27.66	6.497	52.5	21.05	5.290	51.0	19.98	5.048	49.3	18.80	4.604	45.1	19.03	3.546	45.1	19.03	3.546		
2.20	58.4	22.92	7.165	40.0	19.29	4.896	37.0	18.85	4.404	36.0	18.01	4.174	39.4	17.11	3.485	39.4	17.11	3.485		
2.40	34.7	19.02	5.069	26.8	18.71	3.898	27.4	18.39	3.857	29.6	17.76	3.771	34.2	15.98	3.369	34.2	15.98	3.369		
2.60	22.7	16.31	3.889	20.3	18.10	3.470	21.2	17.88	3.466	23.8	17.42	3.459	29.9	16.00	3.245	29.9	16.00	3.245		
2.80	28.3	17.67	5.626	18.5	17.54	3.666	17.1	17.39	3.217	19.8	17.06	3.244	26.4	15.95	3.141	26.4	15.95	3.141		
3.00	40.3	21.09	9.192	21.4	17.05	4.861	18.5	16.96	4.119	16.9	16.73	3.185	23.6	15.86	3.060	23.6	15.86	3.060		
3.20	28.7	16.69	7.440	21.3	16.65	5.492	18.2	16.59	4.644	14.8	16.43	3.529	21.3	15.75	2.999	21.3	15.75	2.999		
3.40	20.3	16.34	5.939	17.0	16.31	4.952	14.8	16.28	4.269	13.3	16.17	3.321	19.5	15.64	2.955	19.5	15.64	2.955		
3.60	14.1	16.05	4.644	12.0	16.04	3.916	11.4	16.03	3.578	12.0	15.96	3.051	17.9	15.54	2.923	17.9	15.54	2.923		
3.80	13.0	15.82	4.760	8.5	15.82	3.075	9.0	15.82	2.958	10.9	15.77	2.948	16.6	15.45	2.900	16.6	15.45	2.900		
4.00	8.2	15.63	3.334	7.5	15.64	2.976	8.2	15.65	2.958	10.0	15.62	2.941	15.5	15.36	2.884	15.5	15.36	2.884		

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



FOURIER SPECTRA

RECORD NUMBER S-1210
 STATION OFUNATO-BOCHI-S

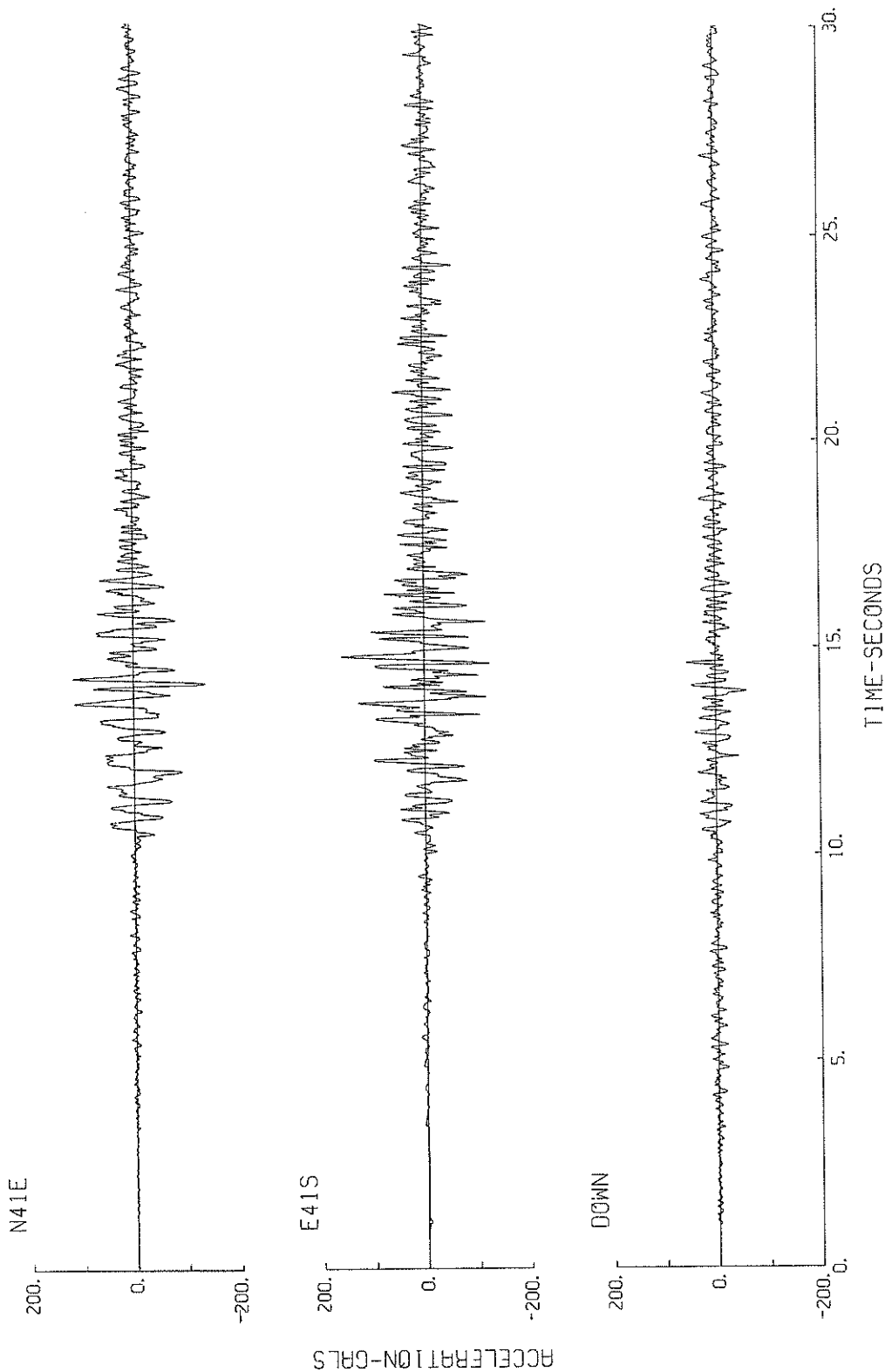
EARTHQUAKE DATA

```
*****
*
* DATE AND TIME 17:14 JUNE 12,1978 *
*
* LOCATION OF HYPOCENTER *
* EPICENTRAL REGION OFF MIYAGI PREF. *
* LATITUDE 38.15 N *
* LONGITUDE 142.17 E *
* DEPTH 40KM *
*
* MAGNITUDE 7.4 *
*
*****
```

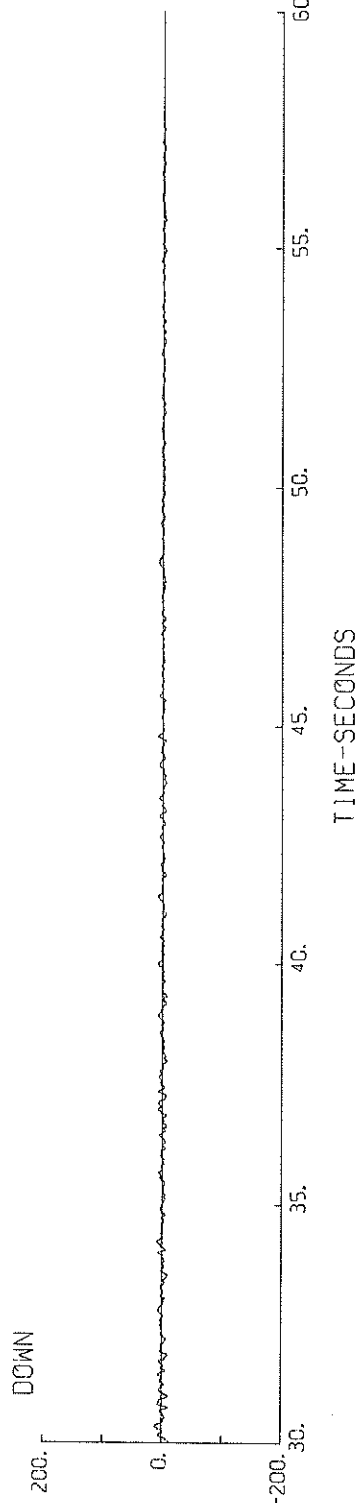
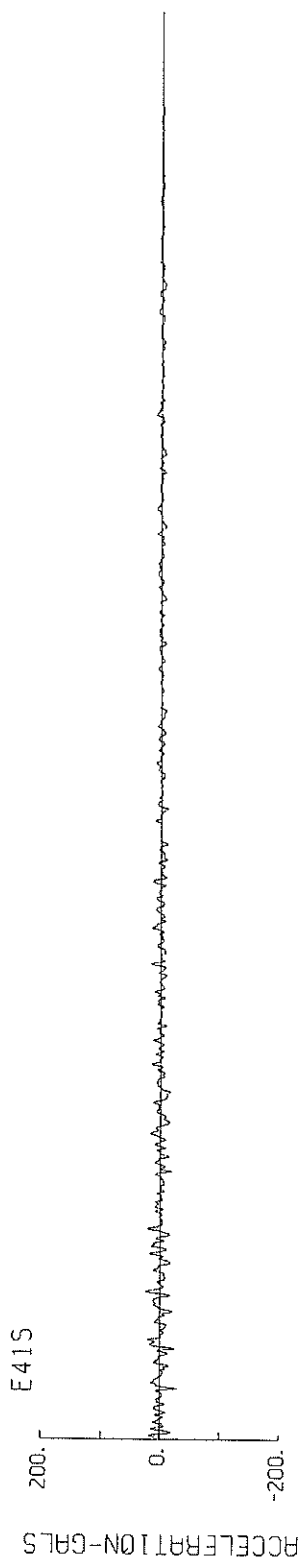
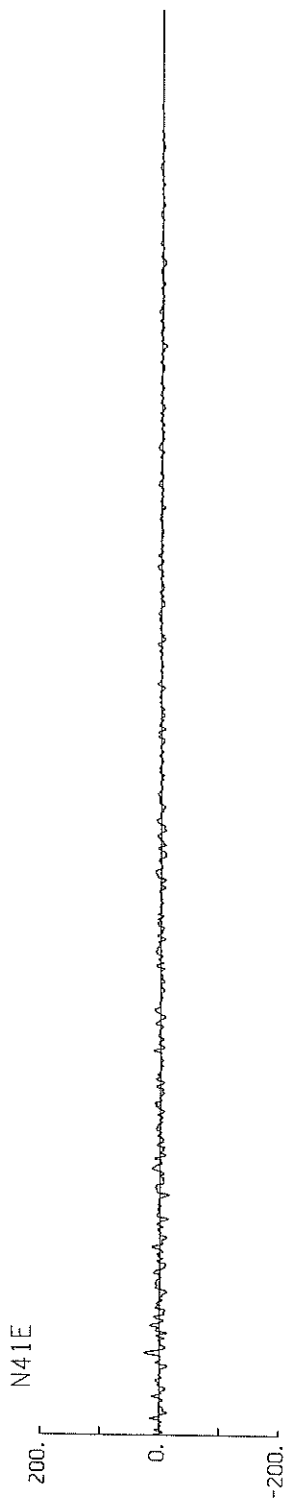
PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	N41E	E41S	DOWN
FC (HZ)	0.270	0.123	0.441
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	138.	161.	60.
SMAC-B2 EQUIVALENT CORRECTED	221.	275.	86.
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	12.2	17.0	5.94
VARIABLE FILTER	11.1	14.6	4.24
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	2.72	3.89	1.10
VARIABLE FILTER	1.46	3.79	0.48

See " A Remark for S-1210 E41S " on page .

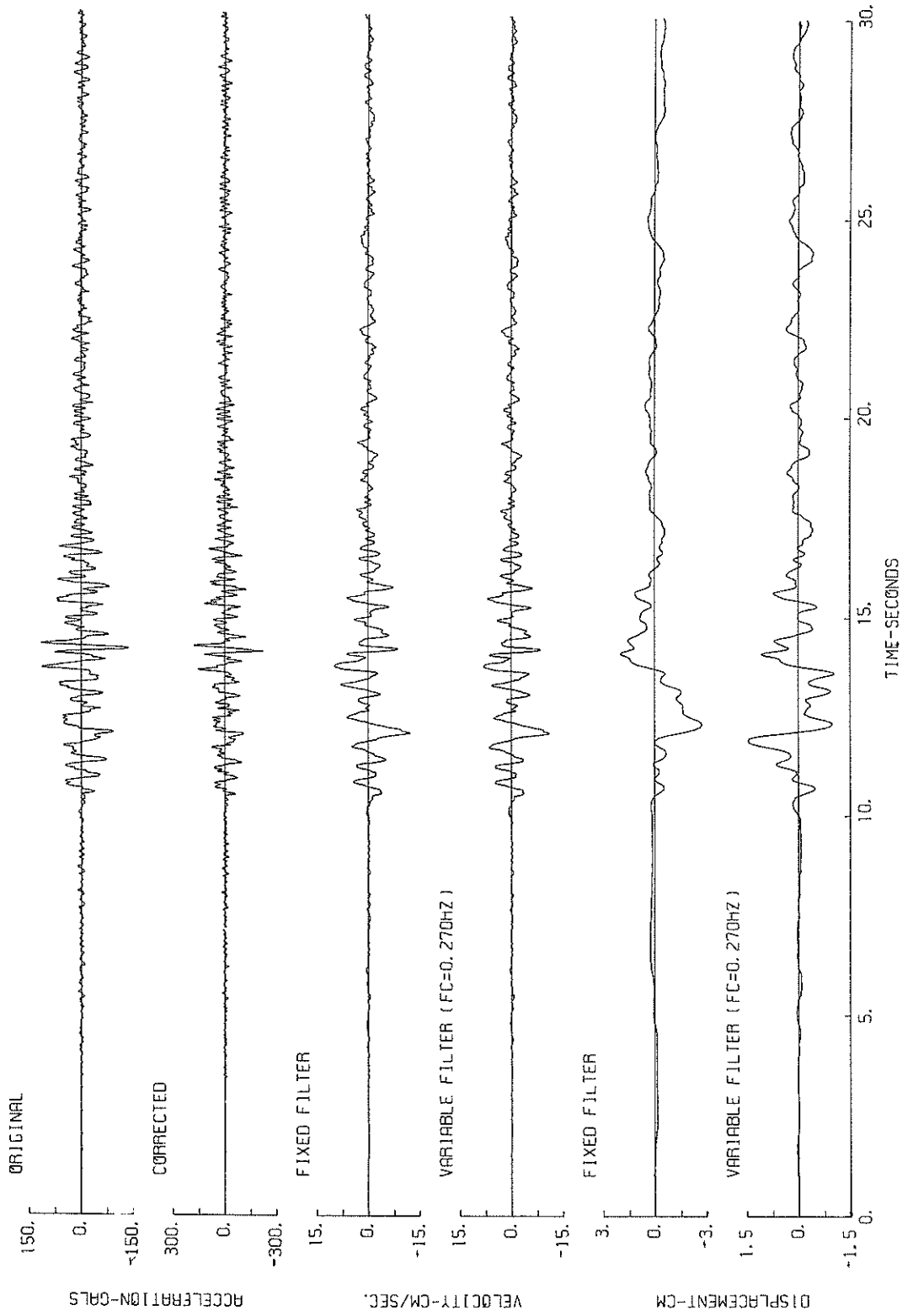
S-1210 OFUNATO-BŌCHI-S



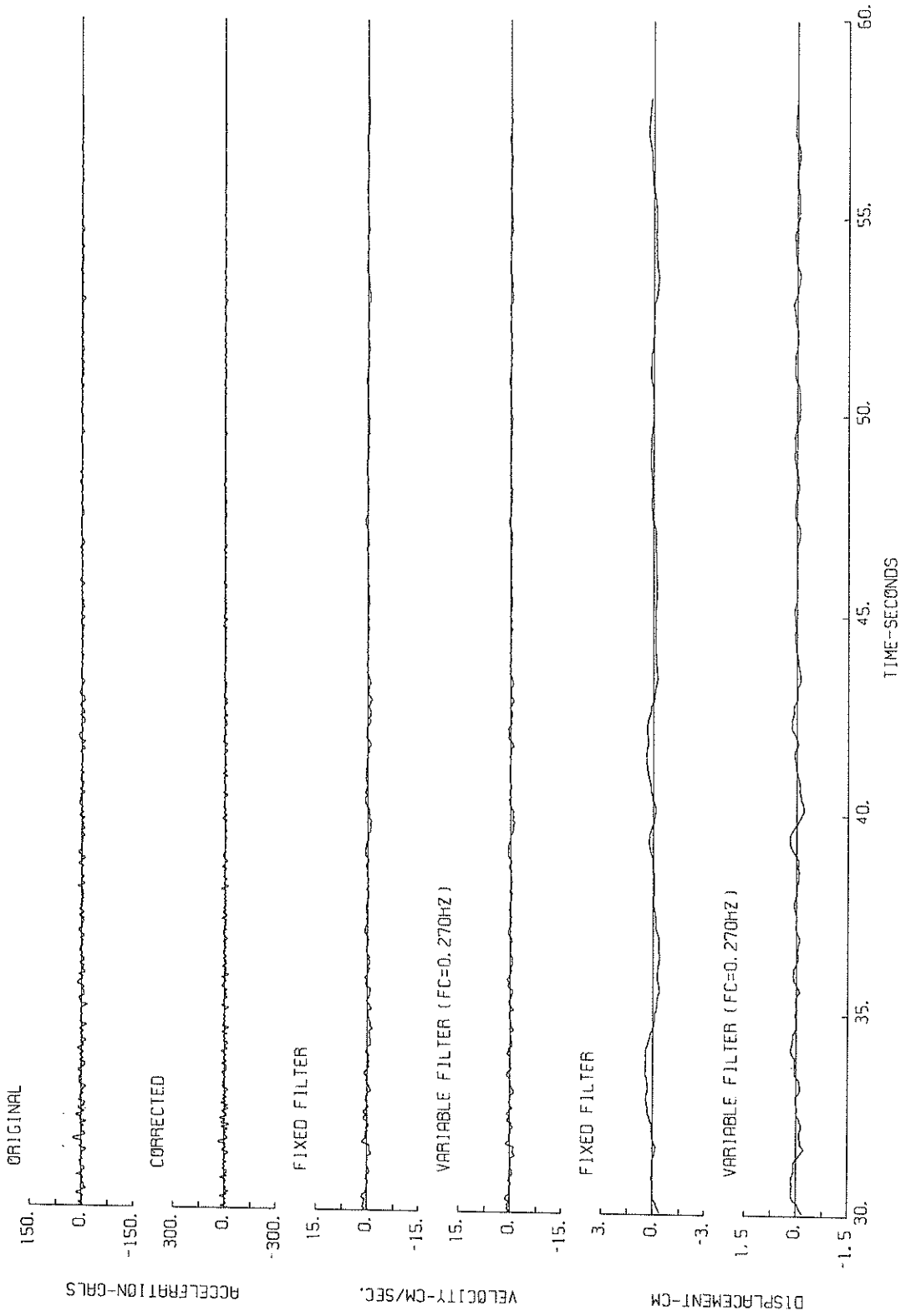
S-1210 OFUNATO-BOCHI-S



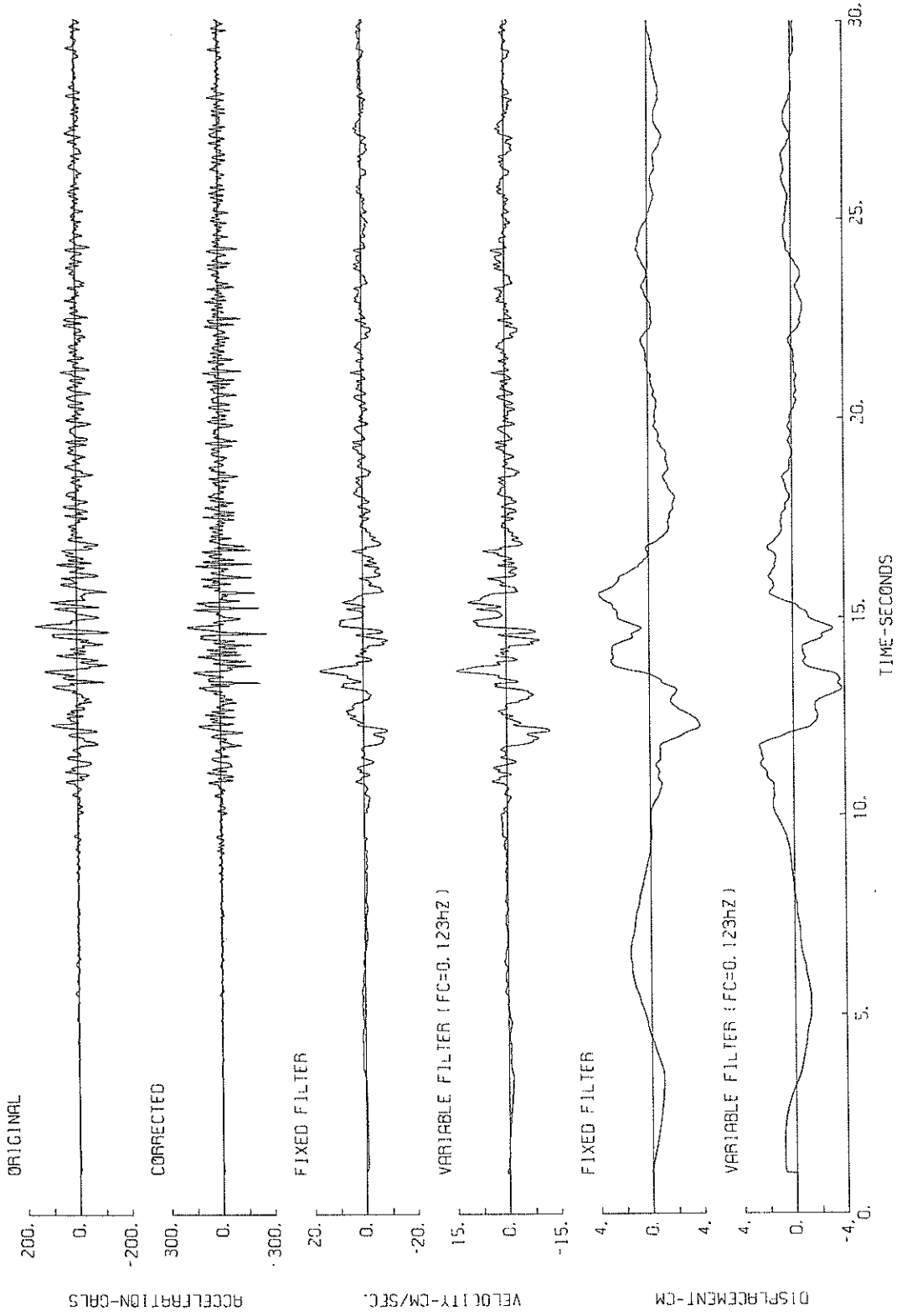
S-1210 N41E OFUNATO-BOCHI-S



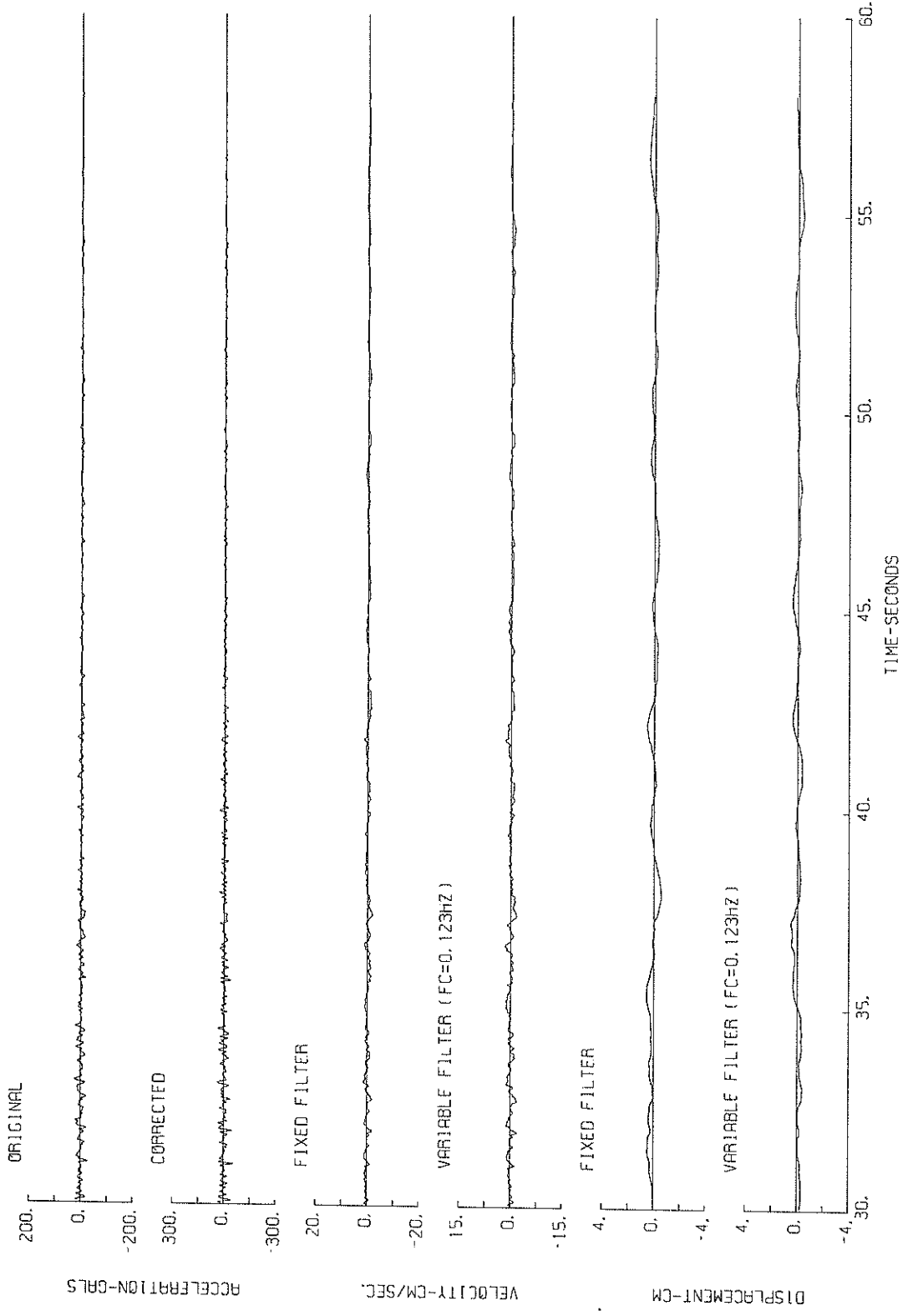
S-1210 N41E OFUNATO-BOCHI-S



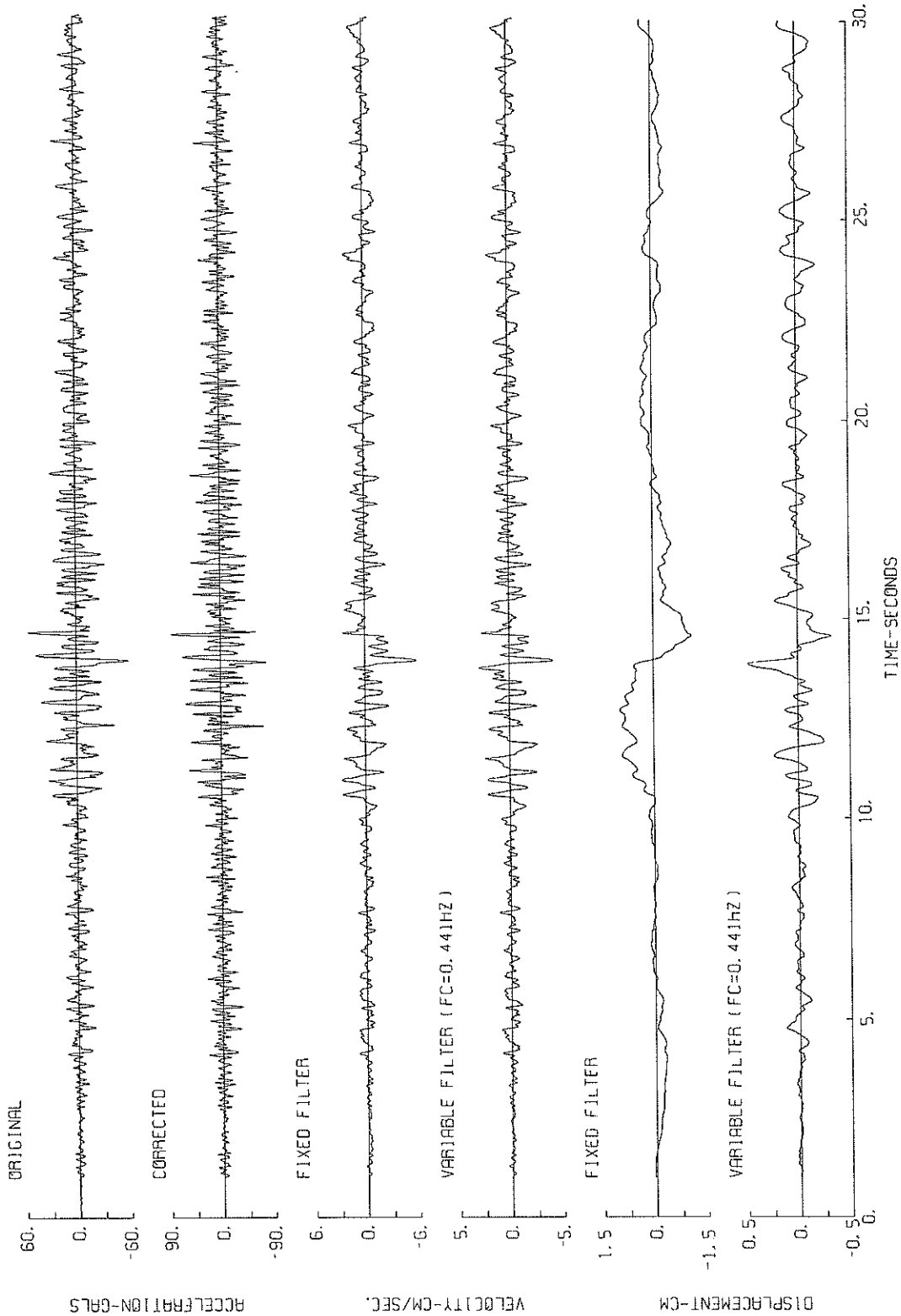
S-1210 E41S 0FUNAT0-B0CHI-S



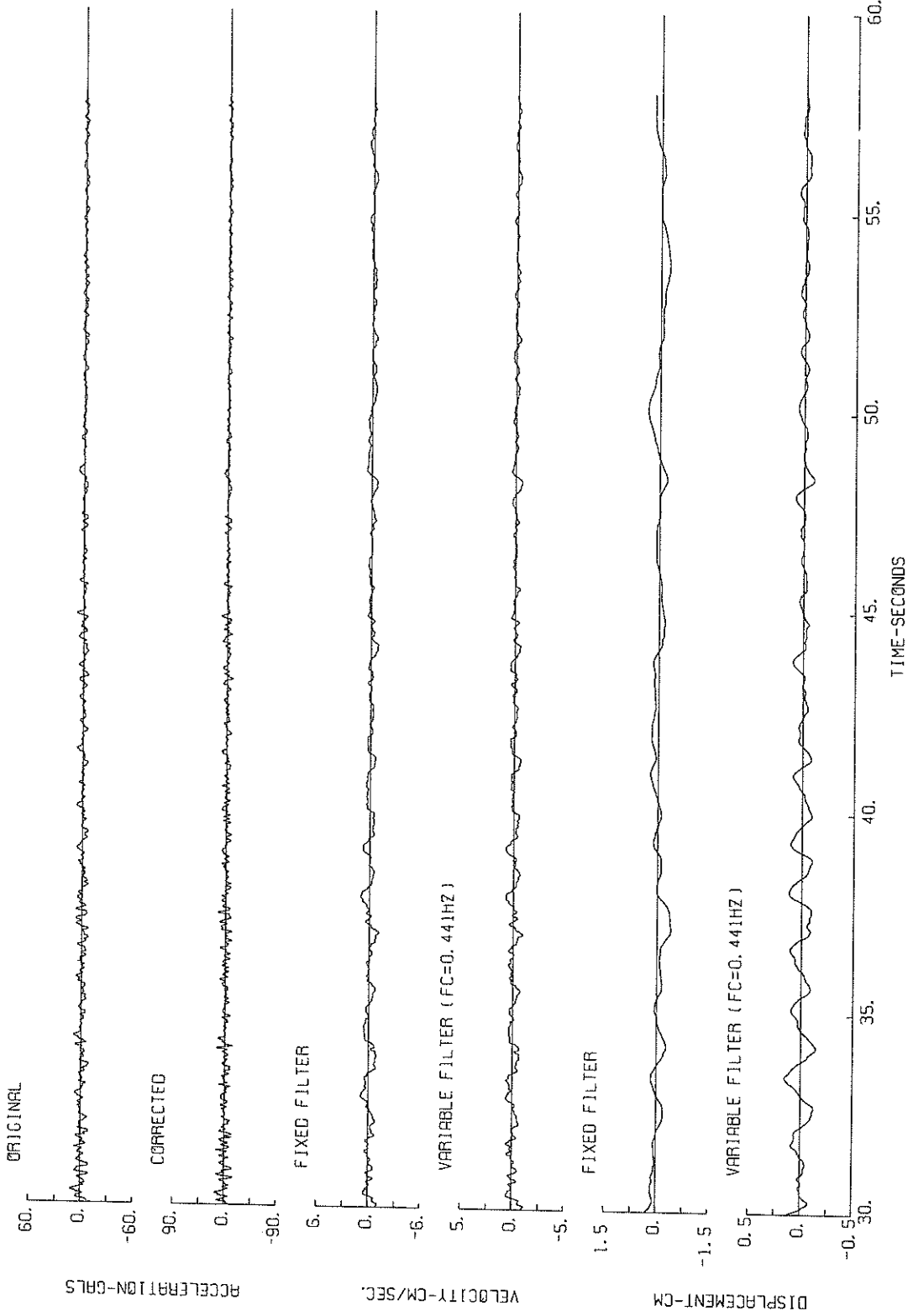
S-1210 E41S OFUNATO-BŌCHI-S



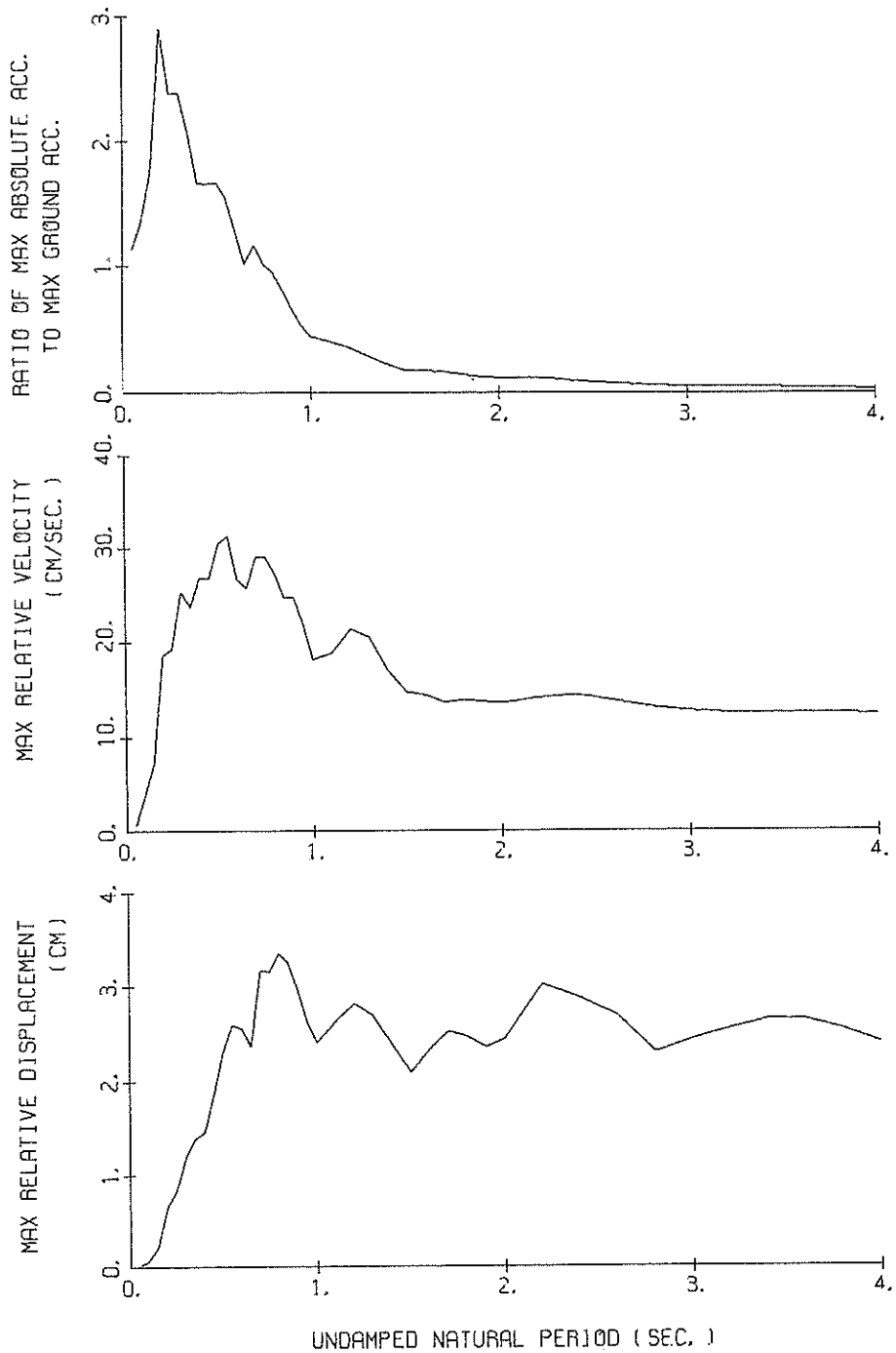
S-1210 DOWN OFUNATO-BOCHI-S



S-1210 DOWN OFUNATO-BOCHI-S

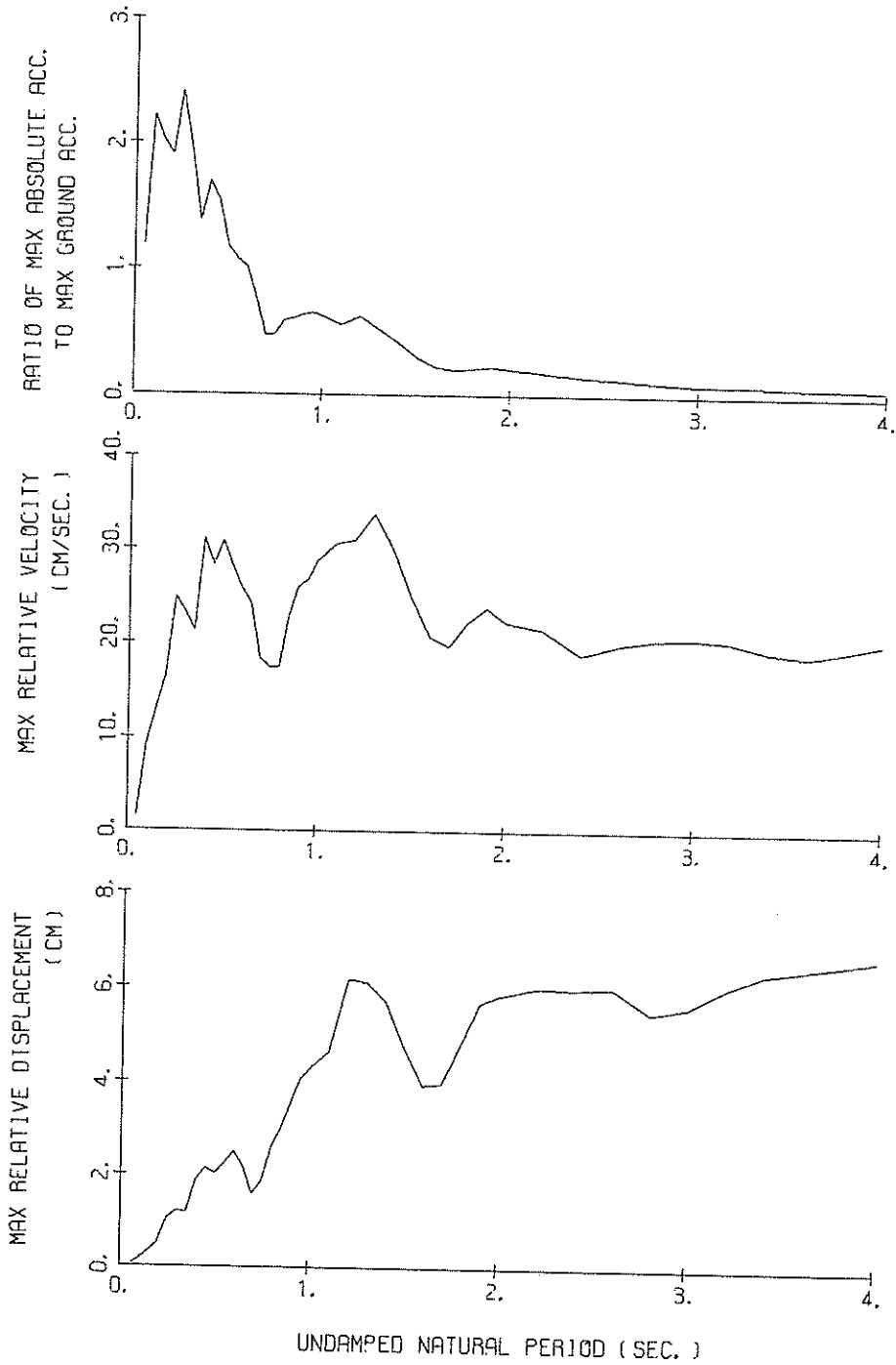


S-1210 N41E OFUNATO-BOCHI-S
(1/FC=3.70 sec.)



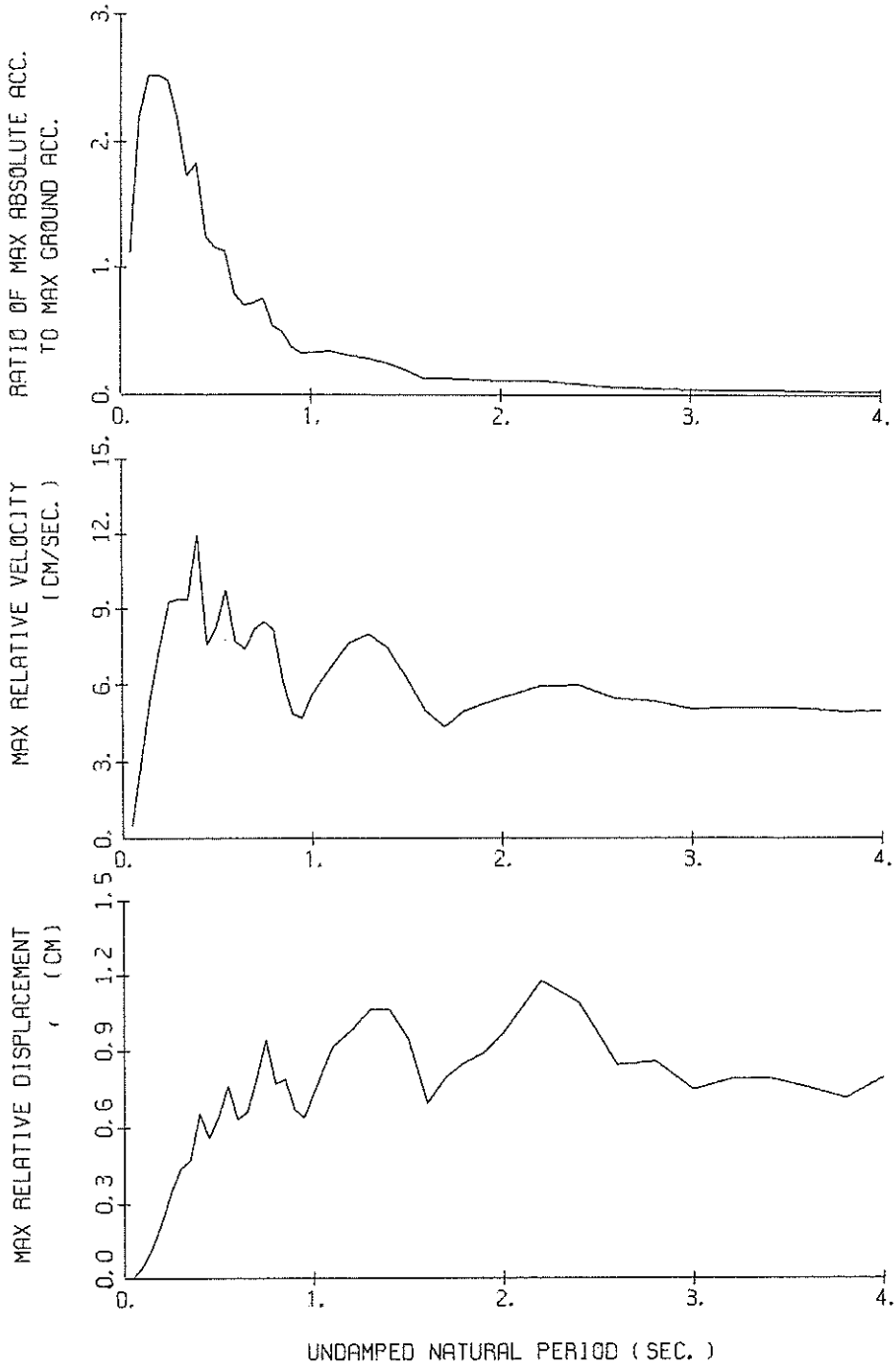
RESPONSE SPECTRA (H=0.05)

S-1210 E41S OFUNATO-BOCHI-S
(1/FC=8.13 sec.)



RESPONSE SPECTRA (H=0.05)

S-1210 DOWN OFUNATO-BOCHI-S
(1/FC=2.27 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1210 COMPONENT = N41E SIGNAL = GR. ACC. CORRECTION = STATION = OFUNATO-BOCHI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 220.93 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 0.00 (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO		
0.05	284.2	1.71	0.018	247.1	0.54	0.016	245.9	0.52	0.016	243.3	0.47	0.015	237.8	0.40	0.015					
0.10	1113.5	17.67	0.282	357.6	5.43	0.090	295.4	3.84	0.075	262.3	3.03	0.066	251.1	1.81	0.061					
0.15	710.3	14.55	0.405	460.4	9.75	0.262	383.5	7.29	0.219	371.6	6.20	0.207	311.5	4.13	0.165					
0.20	1494.4	47.44	1.514	800.2	24.19	0.810	640.3	18.63	0.651	498.5	13.12	0.497	334.7	7.77	0.309					
0.25	684.0	26.65	1.083	538.6	20.46	0.848	525.9	19.28	0.830	463.3	16.41	0.718	314.3	11.33	0.441					
0.30	1497.3	71.53	3.413	632.1	29.92	1.439	526.1	25.35	1.190	409.2	20.68	0.915	254.3	12.89	0.513					
0.35	1248.7	69.61	3.875	603.4	32.81	1.871	455.8	23.75	1.402	319.3	18.34	0.969	200.6	11.76	0.530					
0.40	1253.1	79.81	5.079	490.7	36.52	1.990	366.0	26.85	1.402	268.0	18.30	1.067	176.8	10.11	0.631					
0.45	417.6	30.13	2.142	384.3	28.63	1.965	364.1	26.71	1.861	282.3	20.83	1.421	174.5	11.39	0.810					
0.50	906.4	71.99	5.740	493.5	41.25	3.122	367.1	30.50	2.311	252.0	20.83	1.561	158.4	11.83	0.888					
0.55	646.7	57.34	4.956	442.4	40.88	3.380	340.7	31.35	2.594	234.9	21.64	1.762	136.4	11.53	0.912					
0.60	663.5	63.43	6.050	365.2	34.94	3.322	281.5	26.65	2.552	198.6	18.33	1.763	126.9	11.34	1.061					
0.65	399.0	43.12	4.271	284.3	31.02	3.042	223.4	25.66	2.374	183.1	19.30	1.934	125.2	11.47	1.233					
0.70	469.6	54.98	5.829	336.9	38.67	4.170	257.0	29.04	3.166	185.7	21.72	2.282	122.9	12.49	1.395					
0.75	534.2	63.94	7.611	279.1	38.77	3.973	222.7	29.10	3.456	181.5	21.96	2.528	120.4	12.75	1.513					
0.80	335.3	47.52	5.436	253.1	34.80	4.097	207.6	27.27	3.348	167.2	19.64	2.651	113.6	12.42	1.583					
0.85	320.8	43.78	5.872	216.6	30.50	3.960	178.4	24.68	3.246	146.4	19.58	2.611	103.7	12.40	1.612					
0.90	193.7	33.91	3.974	159.8	29.02	3.275	145.5	24.76	2.966	123.1	18.60	2.466	92.9	12.52	1.605					
0.95	258.3	39.18	5.906	132.0	24.45	3.013	115.9	21.84	2.628	102.4	17.73	2.280	82.4	12.41	1.579					
1.00	149.2	26.98	3.780	114.4	19.95	2.892	96.3	18.14	2.404	85.3	16.63	2.092	73.4	12.12	1.547					
1.10	126.4	26.30	3.873	100.5	21.07	3.074	86.7	18.78	2.630	70.9	16.09	2.026	60.2	12.42	1.491					
1.20	161.8	30.58	5.900	93.2	23.27	3.397	77.6	21.37	2.813	56.8	18.20	1.994	50.8	13.29	1.512					
1.30	114.5	25.46	4.901	82.0	22.53	3.501	63.1	20.48	2.682	44.7	17.65	1.857	45.7	13.43	1.565					
1.40	86.0	23.57	4.272	57.9	19.78	2.867	48.5	16.94	2.390	39.5	15.20	1.859	41.9	13.03	1.634					
1.50	60.8	15.52	3.466	40.9	14.94	2.325	37.1	14.67	2.091	37.0	13.95	1.996	38.9	12.41	1.707					
1.60	45.4	16.05	2.945	37.9	15.08	2.454	36.4	14.43	2.334	35.0	13.51	2.145	36.2	11.87	1.774					
1.70	41.8	15.03	3.060	37.5	14.17	2.734	34.9	13.62	2.520	32.5	12.96	2.250	33.7	11.86	1.827					
1.80	40.6	15.31	3.333	31.5	14.52	2.580	30.4	13.95	2.462	29.2	13.21	2.265	31.4	12.02	1.864					
1.90	48.9	15.00	4.470	26.0	13.82	2.372	26.2	13.67	2.355	26.1	13.23	2.245	29.2	12.15	1.889					
2.00	38.3	14.01	3.878	26.8	13.57	2.712	24.4	13.53	2.443	23.6	13.23	2.241	27.2	12.24	1.904					
2.20	52.6	19.24	6.449	28.6	14.95	3.491	25.1	14.23	3.011	20.3	13.31	2.348	23.6	12.34	1.910					
2.40	24.5	15.56	3.578	21.8	15.00	3.164	20.1	14.47	2.868	17.6	13.60	2.397	20.7	12.38	1.894					
2.60	19.3	14.61	3.297	17.3	14.18	2.955	15.9	13.83	2.677	14.6	13.23	2.273	18.3	12.36	1.865					
2.80	14.5	13.35	2.887	12.8	13.21	2.517	12.0	13.10	2.297	11.4	12.90	2.008	16.3	12.32	1.832					
3.00	12.1	12.69	2.763	11.4	12.74	2.560	11.2	12.74	2.434	10.8	12.68	2.187	14.6	12.22	1.802					
3.20	10.8	12.40	2.801	10.5	12.49	2.674	10.4	12.53	2.546	10.2	12.52	2.303	13.3	12.22	1.775					
3.40	10.2	12.50	2.991	9.8	12.50	2.801	9.6	12.49	2.640	9.5	12.45	2.373	12.2	12.17	1.822					
3.60	9.0	12.63	2.969	8.7	12.55	2.789	8.6	12.50	2.636	8.7	12.41	2.384	11.2	12.13	1.861					
3.80	7.5	12.61	2.758	7.5	12.52	2.643	7.6	12.46	2.535	7.9	12.36	2.336	10.4	12.10	1.873					
4.00	6.2	12.46	2.519	6.3	12.41	2.461	6.5	12.37	2.395	7.1	12.29	2.254	9.7	12.06	1.866					

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

RESPONSE SPECTRUM

RECORD = S-1210 COMPONENT = E41S SIGNAL = GR. ACC. CORRECTION = STATION = OFUNATO-BOCHI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 275.17 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 0.00 (SEC)

PER	DAMPING = 0.0				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	490.9	3.49	0.031	331.2	1.45	0.021	320.4	1.40	0.020	327.7	1.34	0.021	322.6	1.13	0.020					
0.10	1946.4	30.56	0.493	902.7	13.85	0.227	610.0	9.17	0.154	469.0	6.92	0.116	374.4	4.32	0.088					
0.15	1336.9	31.77	0.762	743.6	18.34	0.421	555.0	13.03	0.315	435.1	9.34	0.242	348.3	5.77	0.181					
0.20	1607.2	49.60	1.628	733.3	22.19	0.743	521.2	16.58	0.523	436.9	11.62	0.436	330.2	8.05	0.314					
0.25	1157.0	45.93	1.832	805.5	31.13	1.270	663.6	24.78	1.050	530.4	18.22	0.826	351.1	10.45	0.508					
0.30	1811.4	87.06	4.129	590.6	29.15	1.348	537.8	23.30	1.213	438.8	19.00	0.970	302.4	11.76	0.610					
0.35	761.9	42.21	2.364	450.0	23.15	1.393	377.4	21.26	1.164	315.8	16.49	0.970	235.0	11.97	0.636					
0.40	1399.8	89.45	5.673	643.4	42.78	2.599	462.6	31.06	1.866	315.8	19.57	1.254	205.0	11.59	0.716					
0.45	669.4	49.07	3.433	518.5	34.77	2.648	419.6	28.23	2.142	292.7	21.26	1.453	172.2	12.80	0.770					
0.50	513.4	48.08	3.251	403.1	37.92	2.546	320.8	30.82	2.021	238.5	22.07	1.478	152.9	13.03	0.889					
0.55	723.7	62.02	5.545	398.9	37.57	3.050	293.0	28.15	2.235	203.9	18.85	1.528	141.1	12.42	0.954					
0.60	561.8	53.41	5.123	356.4	33.50	3.247	276.4	25.82	2.507	200.2	17.69	1.790	125.8	11.91	0.990					
0.65	489.4	50.49	5.238	244.9	28.46	2.615	207.4	24.23	2.203	161.0	18.70	1.675	103.1	12.09	1.026					
0.70	247.6	27.84	3.073	133.4	18.98	1.654	128.6	18.30	1.587	118.5	16.24	1.438	103.4	11.85	1.104					
0.75	197.1	26.75	2.808	146.0	20.48	2.079	132.3	17.41	1.876	117.5	14.86	1.631	97.6	11.59	1.174					
0.80	299.3	41.44	4.852	185.6	21.64	2.997	162.5	17.36	2.610	130.9	14.85	2.044	95.4	11.63	1.282					
0.85	234.8	30.91	4.297	196.1	25.93	3.584	166.4	22.90	3.017	129.4	18.74	2.250	94.7	12.82	1.419					
0.90	271.7	39.50	5.574	210.5	29.88	4.313	174.7	26.01	3.588	134.0	20.90	2.662	92.8	13.66	1.537					
0.95	277.2	43.79	6.337	210.5	30.69	4.804	179.3	26.71	4.065	136.7	21.36	3.010	86.7	14.07	1.599					
1.00	244.5	39.74	6.194	201.5	33.03	5.095	170.5	28.74	4.292	127.2	22.90	3.174	82.3	14.81	1.697					
1.10	222.6	42.48	6.824	181.2	34.76	5.548	152.6	30.63	4.658	116.2	25.45	3.506	81.8	16.33	2.182					
1.20	245.1	47.98	8.940	201.7	38.11	7.342	170.5	31.01	6.168	129.6	23.71	4.580	83.3	16.53	2.533					
1.30	269.5	56.59	11.538	174.1	39.14	7.439	143.3	33.78	6.099	111.5	26.47	4.589	77.6	17.07	2.634					
1.40	213.1	49.39	10.581	141.4	33.63	7.011	115.4	30.08	5.690	83.0	25.37	4.031	67.8	17.87	2.531					
1.50	171.1	41.03	9.752	99.1	26.95	5.631	83.6	24.90	4.728	65.9	21.72	3.660	57.7	17.86	2.351					
1.60	78.3	22.51	5.076	65.8	20.72	4.254	61.3	20.76	3.936	52.7	19.68	3.352	49.1	17.56	2.315					
1.70	69.1	19.24	5.059	60.7	19.84	4.430	55.0	19.74	3.988	49.8	19.15	3.524	43.1	17.24	2.957					
1.80	92.5	28.37	7.594	66.7	24.84	5.467	59.1	22.32	4.821	48.6	19.40	3.869	40.7	16.98	2.444					
1.90	90.7	33.53	8.292	73.9	27.82	6.741	62.7	23.89	5.685	48.4	19.37	4.297	39.0	16.71	2.562					
2.00	94.9	29.99	9.619	67.9	24.14	6.863	58.2	22.34	5.856	45.6	19.91	4.378	37.6	16.37	2.682					
2.20	69.3	26.37	8.494	55.9	23.01	6.833	49.4	21.55	6.008	40.0	19.29	4.761	34.7	15.32	2.965					
2.40	52.5	24.00	7.655	45.5	21.15	6.601	41.7	18.93	5.970	36.4	16.76	4.991	31.1	14.06	3.261					
2.60	48.3	23.02	8.279	38.7	21.38	6.577	36.1	20.02	6.019	32.4	17.85	5.097	29.2	13.77	3.351					
2.80	31.5	22.74	6.248	29.9	21.68	5.874	28.6	20.62	5.484	26.9	18.69	4.761	28.4	14.49	3.716					
3.00	26.8	22.77	6.115	26.0	21.72	5.864	25.4	20.72	5.607	24.7	18.92	5.121	27.2	14.90	4.004					
3.20	26.4	22.50	6.847	24.8	21.35	6.401	24.1	20.36	6.030	23.4	18.69	5.439	25.9	15.00	4.221					
3.40	24.3	22.74	7.109	22.9	20.02	6.685	22.1	19.33	6.315	21.7	18.03	5.686	24.5	15.46	4.365					
3.60	21.3	19.89	6.999	20.6	19.35	6.723	19.9	18.86	6.426	20.0	18.01	5.842	23.1	16.11	4.455					
3.80	19.4	20.26	7.112	18.9	19.94	6.835	18.3	19.56	6.532	18.3	18.75	5.931	21.6	16.68	4.519					
4.00	18.8	21.15	7.607	17.7	20.78	7.110	16.6	19.44	6.651	16.6	18.44	5.947	20.2	17.18	4.519					

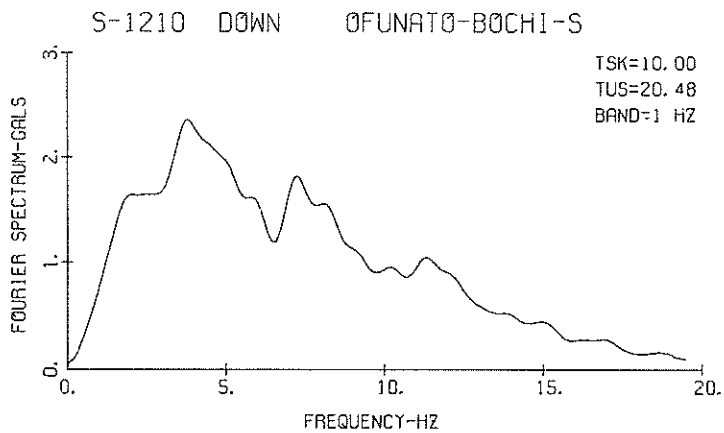
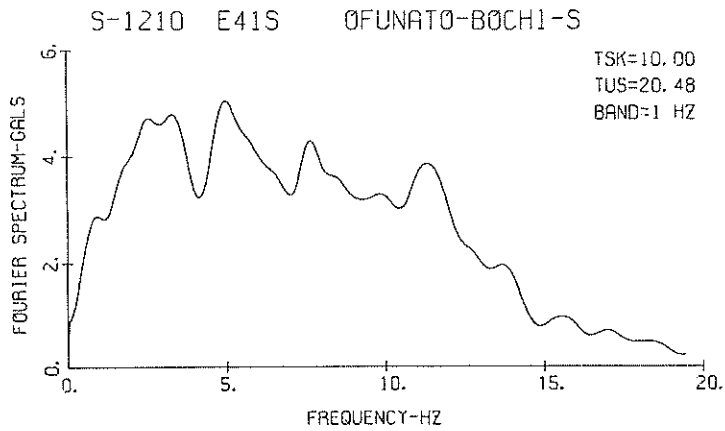
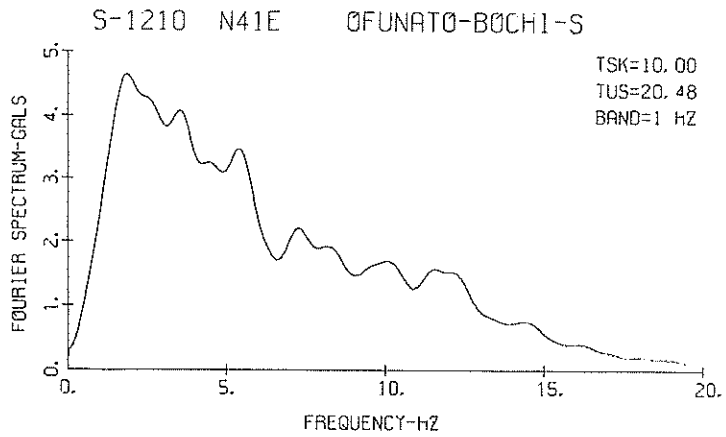
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1210
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 40.00 (SEC)
 COMPONENT = DOWN
 SAMPRING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 0.00 (SEC)
 SIGNAL = GR. ACC.
 CORRECTION = MAX.GROUND ACC. = 86.04 (GAL)
 STATION = OFUNATO-BOCHI-S

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	166.7	0.97	0.011	105.1	0.47	0.007	97.5	0.42	0.006	95.3	0.38	0.006	94.0	0.31	0.006
0.10	972.9	15.37	0.246	225.2	3.45	0.057	193.7	2.92	0.049	169.2	2.36	0.042	129.0	1.50	0.031
0.15	431.1	10.17	0.246	234.6	5.68	0.133	224.9	5.35	0.129	186.2	4.61	0.103	134.1	2.99	0.070
0.20	893.4	28.32	0.905	309.1	10.37	0.313	224.2	7.43	0.226	149.3	4.81	0.148	108.4	2.72	0.103
0.25	506.4	20.46	0.801	298.2	11.91	0.471	220.2	9.22	0.348	163.8	6.34	0.256	117.1	3.77	0.168
0.30	445.0	21.16	1.014	230.3	11.24	0.524	194.2	9.39	0.440	152.5	7.11	0.340	109.6	4.49	0.218
0.35	456.7	25.73	1.417	204.2	12.16	0.633	153.7	9.34	0.473	119.8	6.77	0.363	92.4	5.06	0.245
0.40	489.6	31.91	1.984	228.8	16.26	0.926	161.8	11.87	0.653	112.8	8.51	0.444	75.5	5.54	0.269
0.45	253.2	18.40	1.299	139.8	9.24	0.666	109.5	7.51	0.559	86.2	6.78	0.430	68.1	5.56	0.300
0.50	256.4	20.79	1.624	132.1	11.30	0.836	101.5	8.31	0.640	68.4	6.72	0.426	61.4	5.44	0.329
0.55	411.7	35.41	3.155	136.3	12.81	1.057	99.0	9.76	0.752	68.8	6.99	0.511	56.2	5.26	0.359
0.60	151.9	14.30	1.385	77.2	8.11	0.703	69.3	7.67	0.627	54.3	6.24	0.485	51.0	4.97	0.380
0.65	147.0	15.10	1.574	70.8	8.02	0.756	61.7	7.34	0.656	51.5	5.90	0.537	46.8	4.69	0.404
0.70	154.9	17.26	1.923	82.6	10.16	1.024	63.3	8.13	0.781	49.7	6.61	0.593	43.7	4.57	0.431
0.75	272.7	32.48	3.886	84.7	10.66	1.203	65.5	8.46	0.924	48.7	6.57	0.664	40.5	4.81	0.449
0.80	142.6	18.24	2.312	53.0	9.41	0.859	46.6	8.11	0.752	37.4	6.54	0.596	36.9	4.95	0.454
0.85	73.2	10.87	1.340	52.1	7.43	0.951	42.8	6.06	0.778	33.6	5.61	0.599	33.6	5.00	0.456
0.90	89.1	12.42	1.829	33.5	5.75	0.684	32.1	4.78	0.651	28.0	4.98	0.555	31.0	5.03	0.463
0.95	108.1	16.35	2.471	31.5	5.61	0.718	26.8	4.69	0.602	25.5	5.07	0.545	29.0	5.09	0.473
1.00	42.1	7.79	1.066	31.1	6.15	0.784	28.1	5.65	0.701	26.0	5.45	0.614	27.4	5.20	0.486
1.10	47.5	8.96	1.457	33.5	6.76	1.022	28.4	6.59	0.857	24.5	6.25	0.698	24.3	5.47	0.498
1.20	37.1	7.98	1.355	26.8	7.69	0.976	24.4	7.47	0.881	19.8	6.86	0.677	21.0	5.68	0.480
1.30	55.4	12.45	2.370	27.3	8.51	1.164	21.9	7.81	0.932	16.3	6.97	0.678	17.7	5.75	0.434
1.40	26.3	7.19	1.306	22.4	7.28	1.109	18.7	7.10	0.917	13.7	6.62	0.653	14.8	5.68	0.379
1.50	56.2	13.21	3.204	22.5	6.41	1.282	14.9	6.17	0.841	11.8	5.97	0.625	12.5	5.53	0.383
1.60	31.7	8.56	2.054	17.6	5.09	1.139	12.7	4.81	0.816	9.0	5.25	0.529	10.9	5.35	0.402
1.70	15.0	4.80	1.100	12.0	4.27	0.876	9.5	4.33	0.686	8.5	4.89	0.553	9.8	5.21	0.414
1.80	21.3	6.28	1.745	10.0	4.78	0.822	7.6	4.75	0.616	7.4	4.90	0.526	9.1	5.12	0.417
1.90	10.2	4.99	0.934	8.1	4.97	0.741	6.7	4.96	0.596	6.3	4.99	0.497	6.5	5.07	0.414
2.00	12.3	4.87	1.250	7.5	5.02	0.751	6.8	5.06	0.677	6.0	5.07	0.577	7.9	5.05	0.407
2.20	13.4	5.79	1.640	7.6	5.53	0.928	6.8	5.38	0.817	5.8	5.20	0.667	7.0	5.02	0.439
2.40	5.8	5.27	0.840	5.2	5.25	0.743	5.0	5.21	0.705	4.7	5.13	0.628	6.1	4.98	0.455
2.60	3.7	4.94	0.632	3.6	4.95	0.608	3.7	4.96	0.587	3.8	4.96	0.552	4.4	4.92	0.448
2.80	4.3	4.57	0.851	2.7	4.68	0.515	2.9	4.75	0.524	3.2	4.82	0.516	4.9	4.85	0.441
3.00	3.3	4.60	0.763	2.4	4.65	0.529	2.5	4.69	0.522	2.8	4.74	0.507	4.5	4.80	0.443
3.20	2.3	4.72	0.591	2.2	4.69	0.555	2.3	4.68	0.532	2.5	4.70	0.504	4.1	4.75	0.443
3.40	1.8	4.62	0.525	1.8	4.62	0.517	2.0	4.63	0.508	2.2	4.65	0.492	3.8	4.71	0.443
3.60	1.5	4.47	0.500	1.5	4.53	0.483	1.7	4.56	0.482	2.0	4.61	0.479	3.6	4.67	0.440
3.80	1.3	4.44	0.474	1.4	4.49	0.479	1.5	4.53	0.479	1.8	4.57	0.473	3.4	4.64	0.437
4.00	1.3	4.50	0.521	1.3	4.51	0.502	1.4	4.53	0.489	1.7	4.56	0.471	3.2	4.62	0.434

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



FOURIER SPECTRA

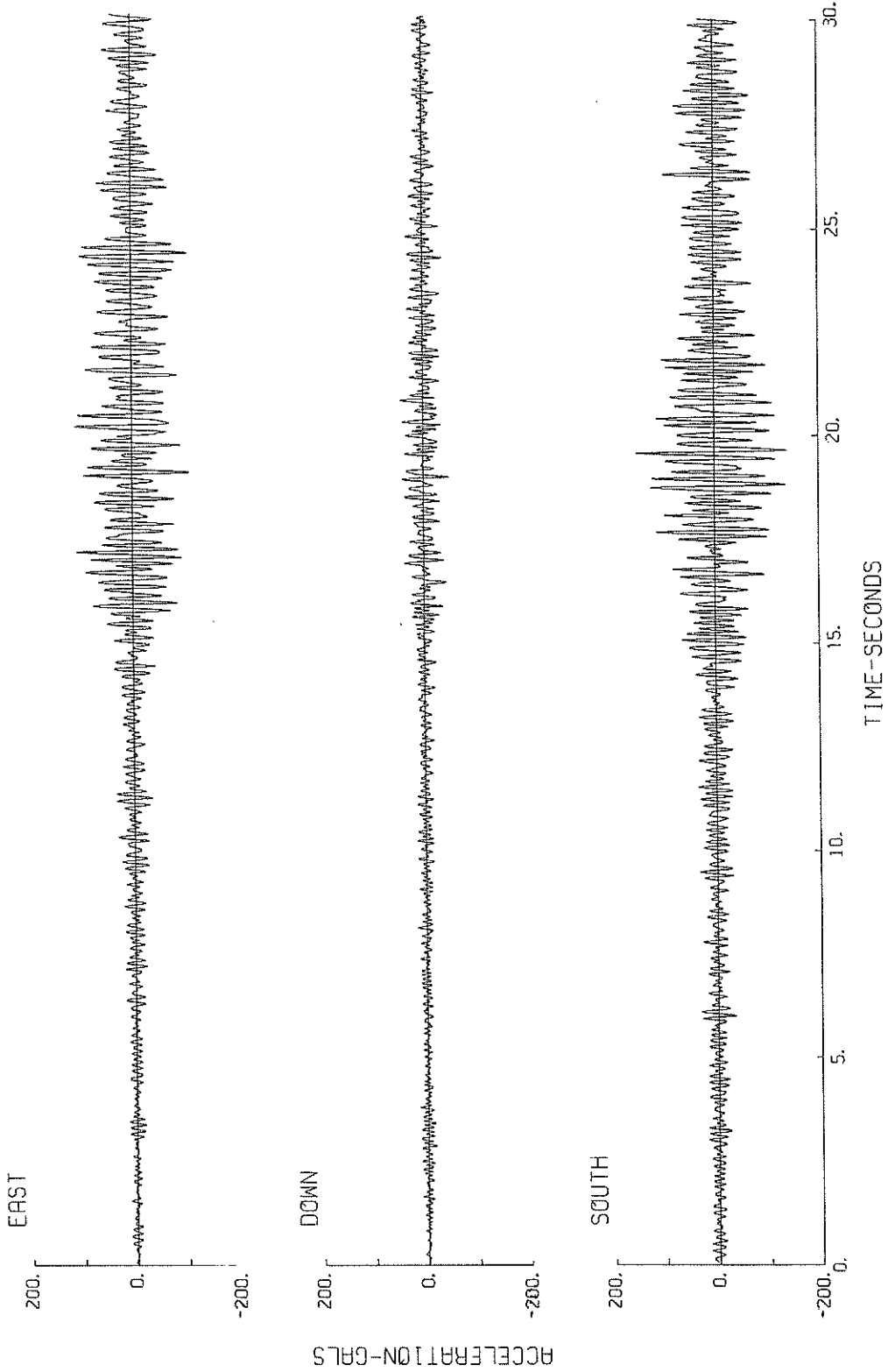
RECORD NUMBER S-1204
STATION MIYAKO-S

EARTHQUAKE DATA

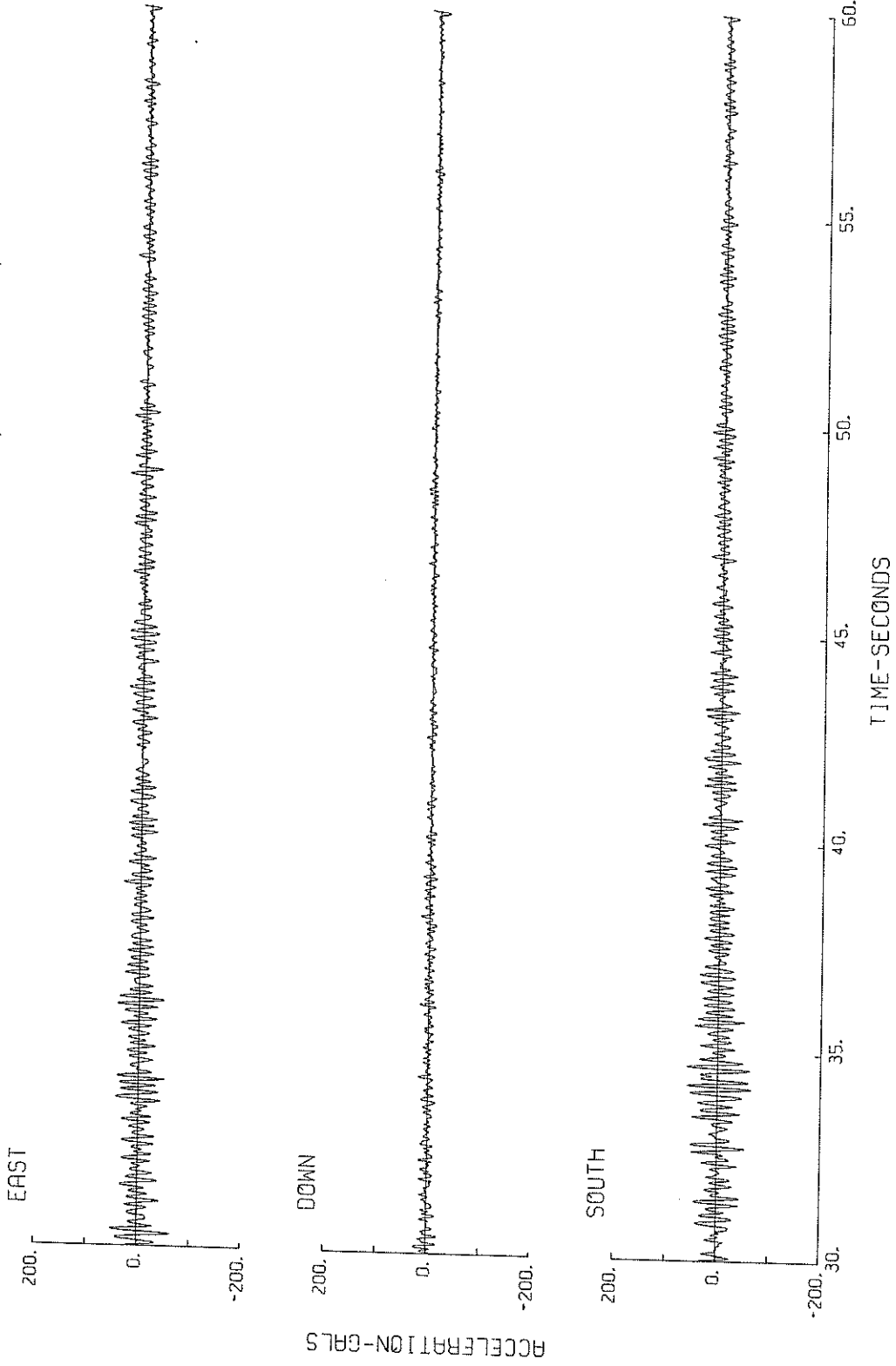
```
*****  
*  
* DATE AND TIME 17:14 JUNE 12, 1978 *  
*  
* LOCATION OF HYPOCENTER *  
* EPICENTRAL REGION OFF MIYAGI PREF. *  
* LATITUDE 38.15 N *  
* LONGITUDE 142.17 E *  
* DEPTH 40KM *  
*  
* MAGNITUDE 7.4 *  
*  
*****
```

PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	EAST	SOUTH	DOWN
<hr/> FC (HZ)	0.317	0.219	0.329
<hr/> MAXIMUM ACCELERATION (GAL)			
ORIGINAL	111.	150.	49.7
SMAC-B2 EQUIVALENT			
CORRECTED	176.	249.	113.
<hr/> MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	7.08	8.97	4.06
VARIABLE FILTER	6.14	7.34	2.63
<hr/> MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	1.18	1.91	1.28
VARIABLE FILTER	0.52	0.96	0.37

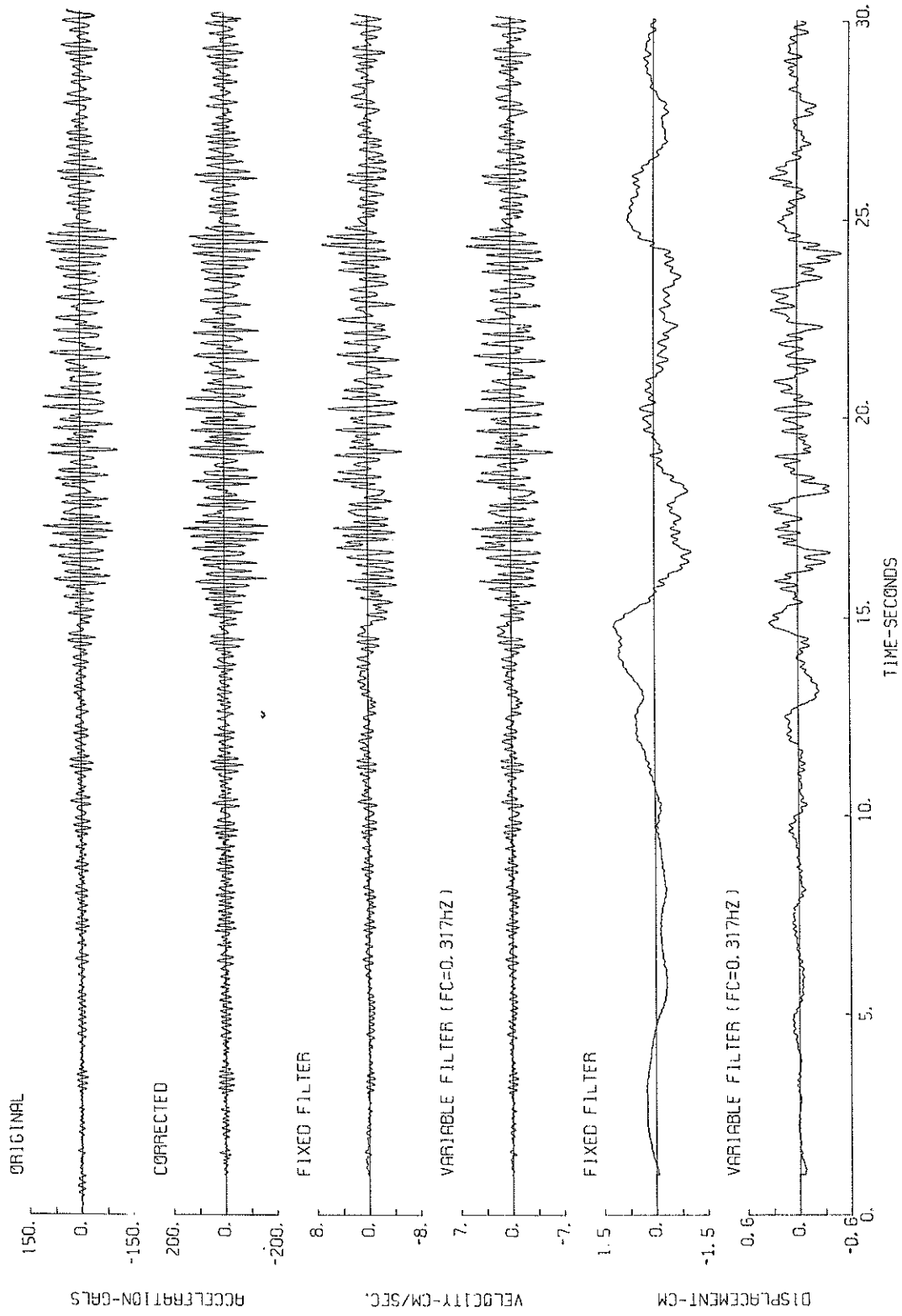
S-1204 MIYAKO-S



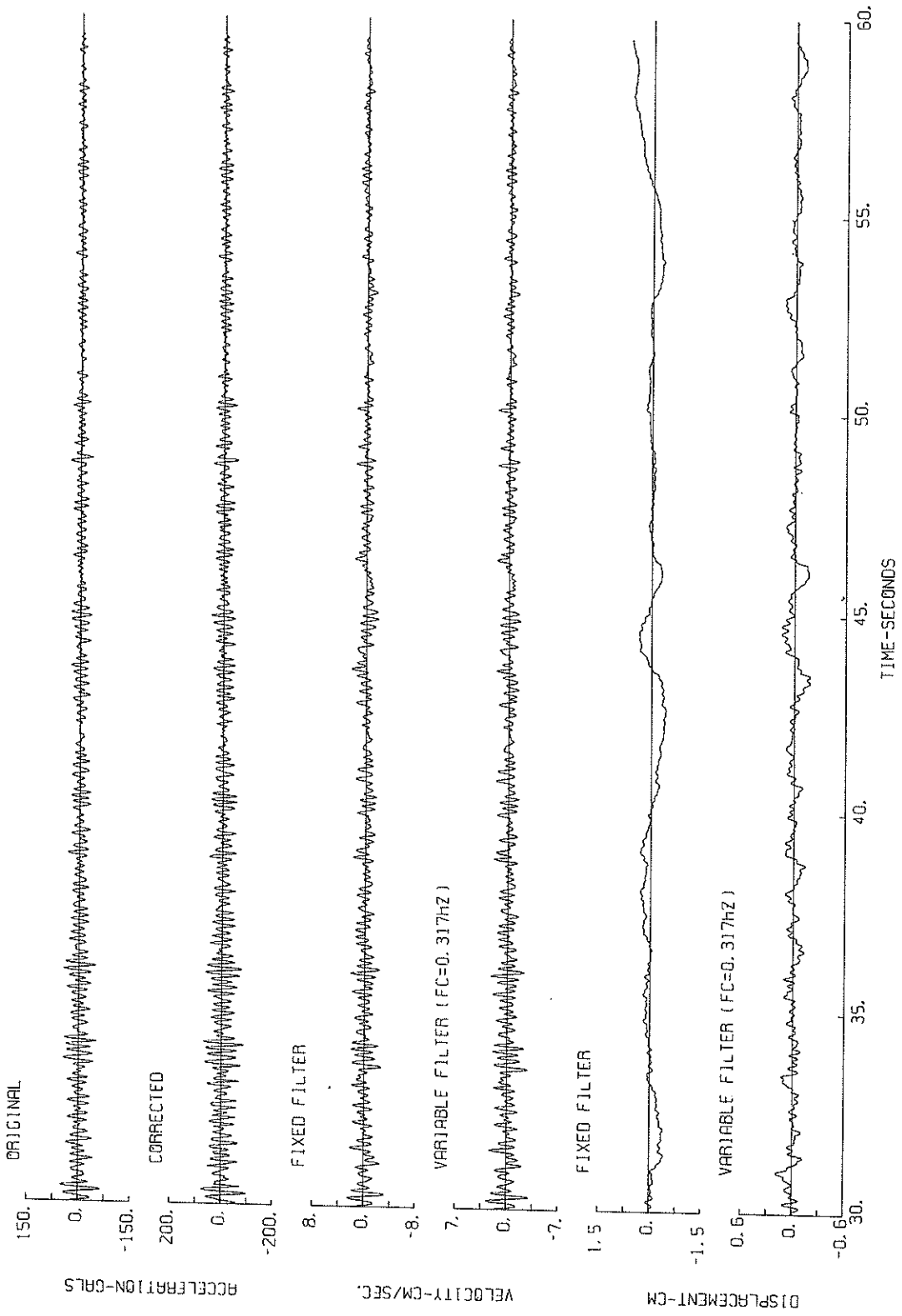
S-1204 MIYAKO-S



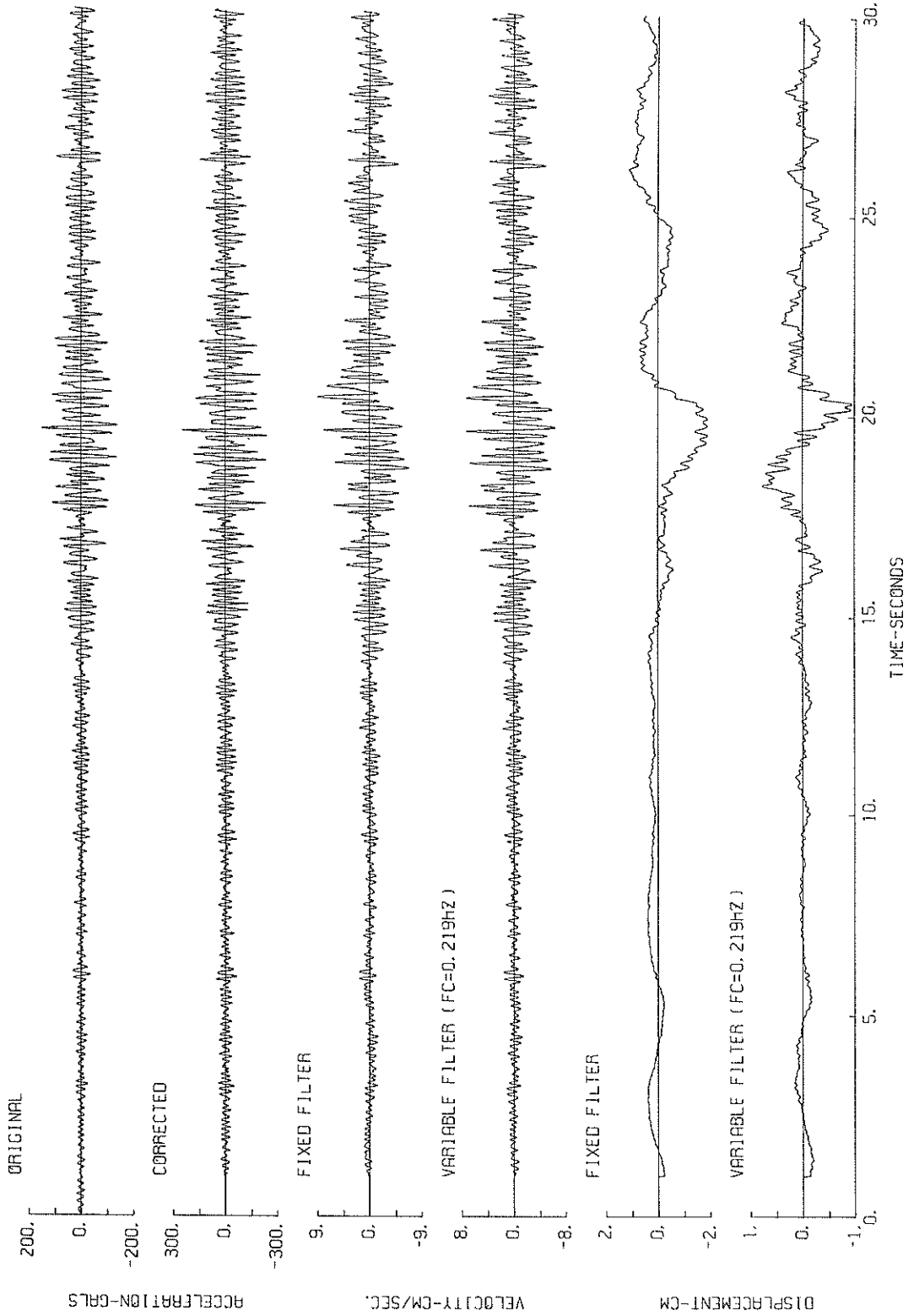
S-1204 EAST MIYAKO-S



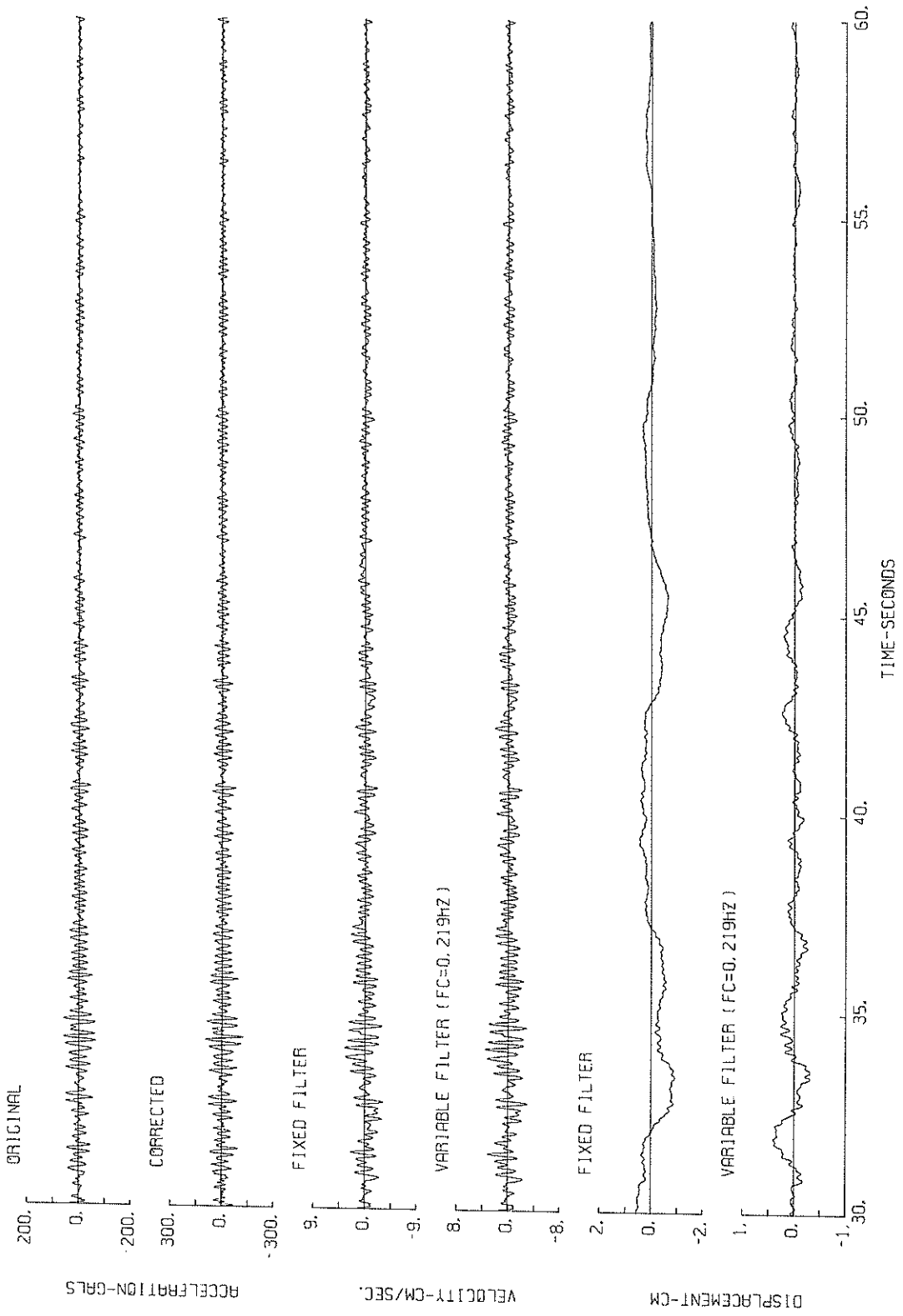
S-1204 EAST MIYAKO-S



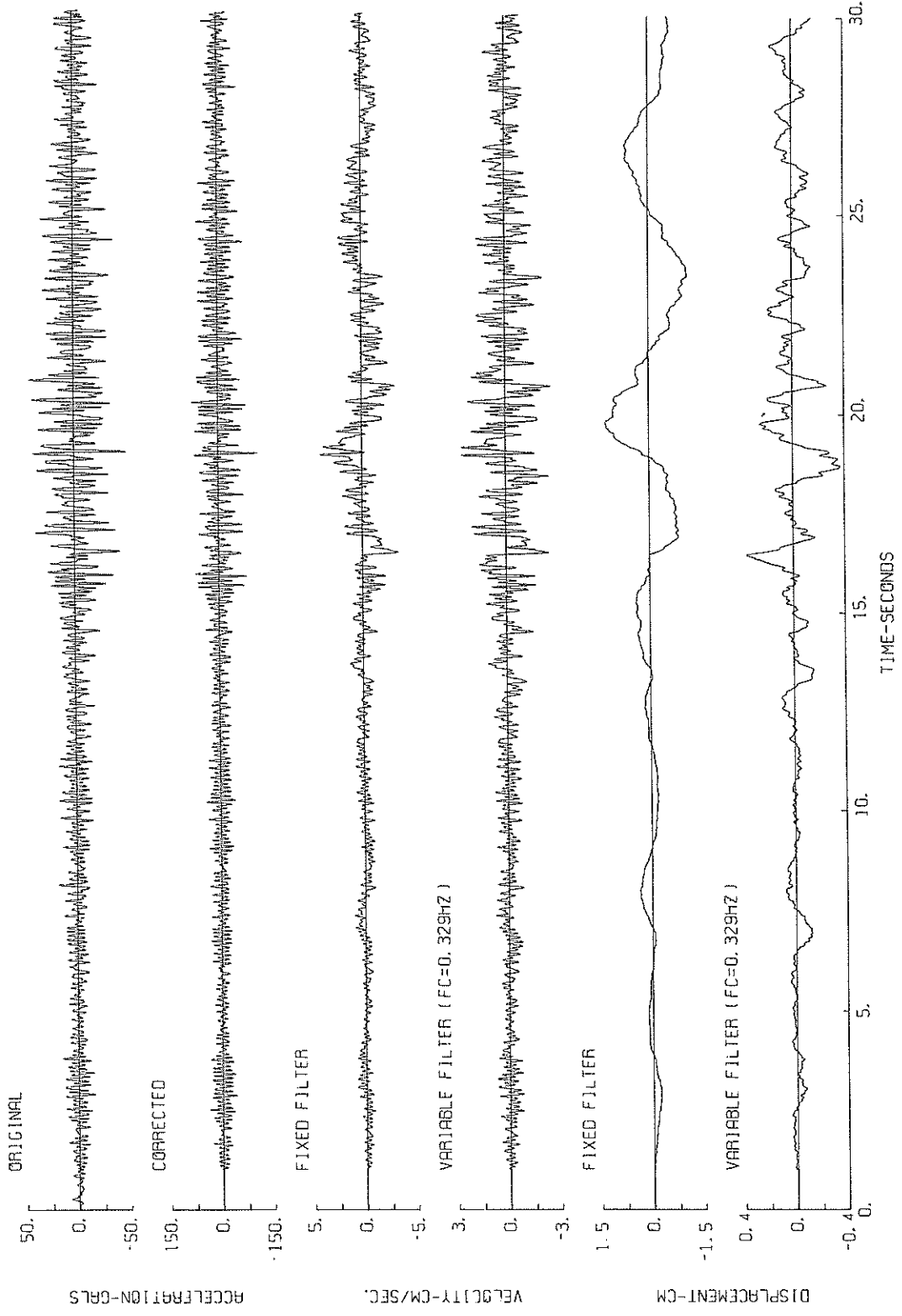
S-1204 SOUTH MIYAKO-S



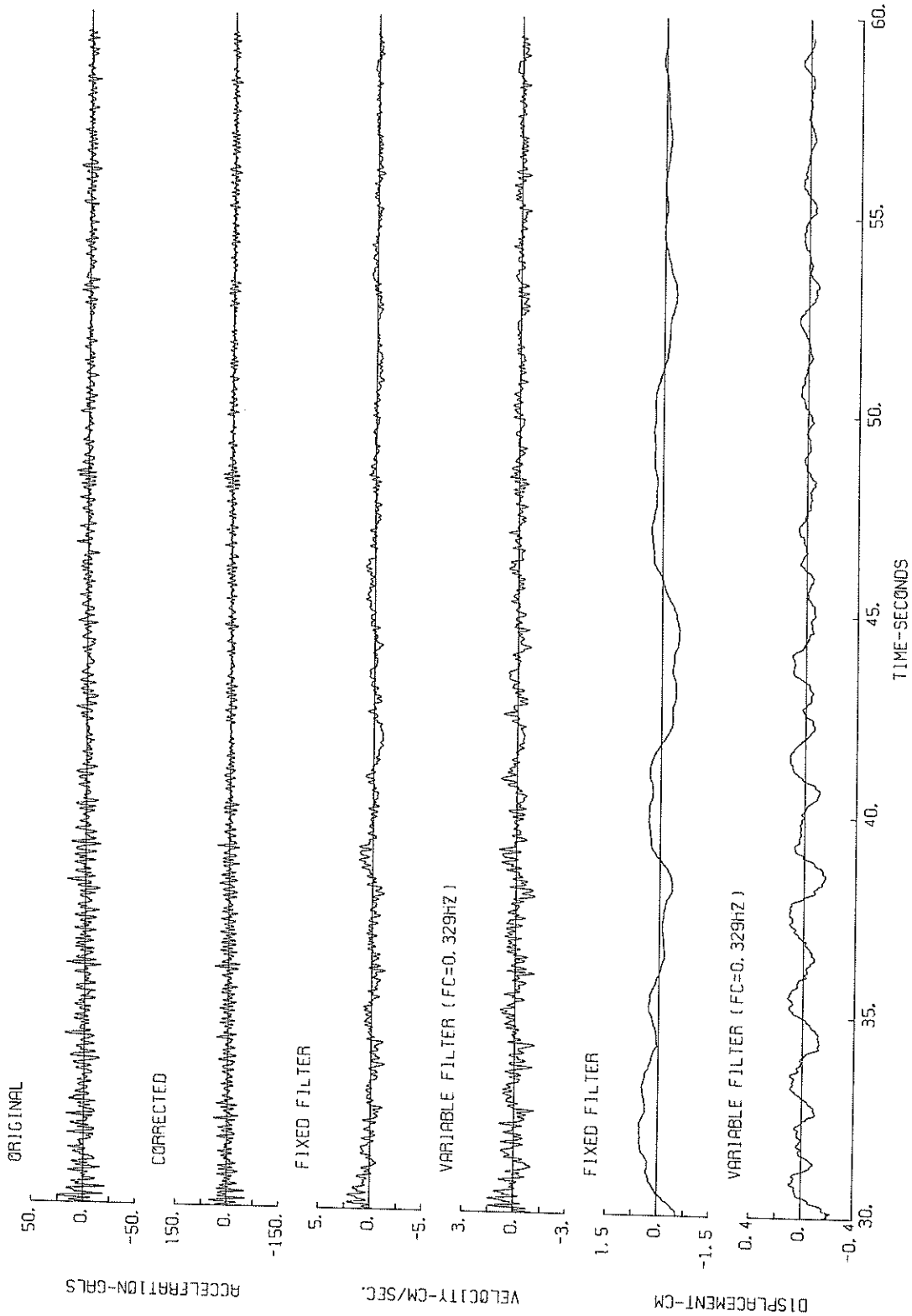
S-1204 SOUTH MIYAKO-S



S-1204 DOWN MIYAKO-S

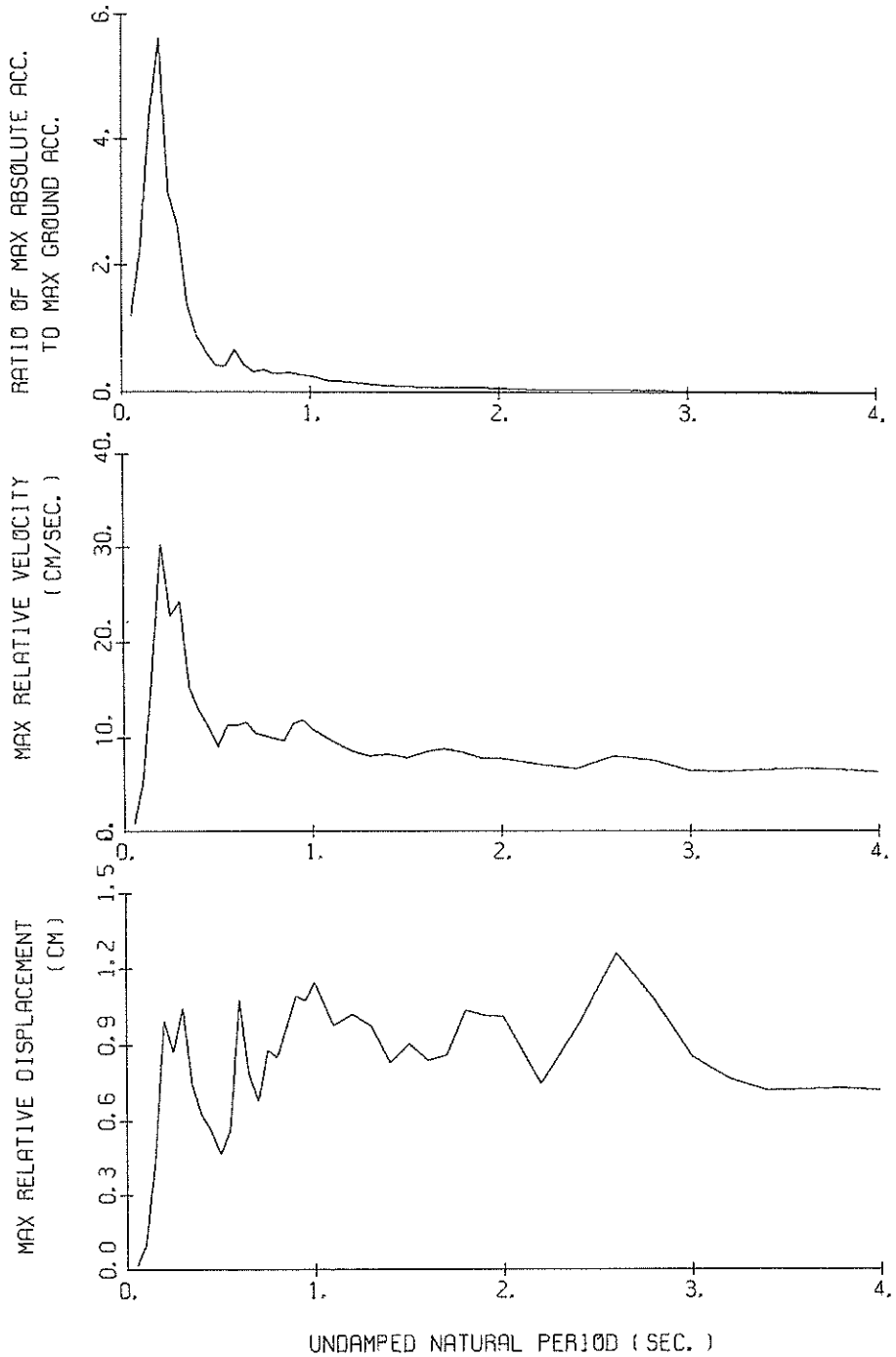


S-1204 DOWN MIYAKO-S



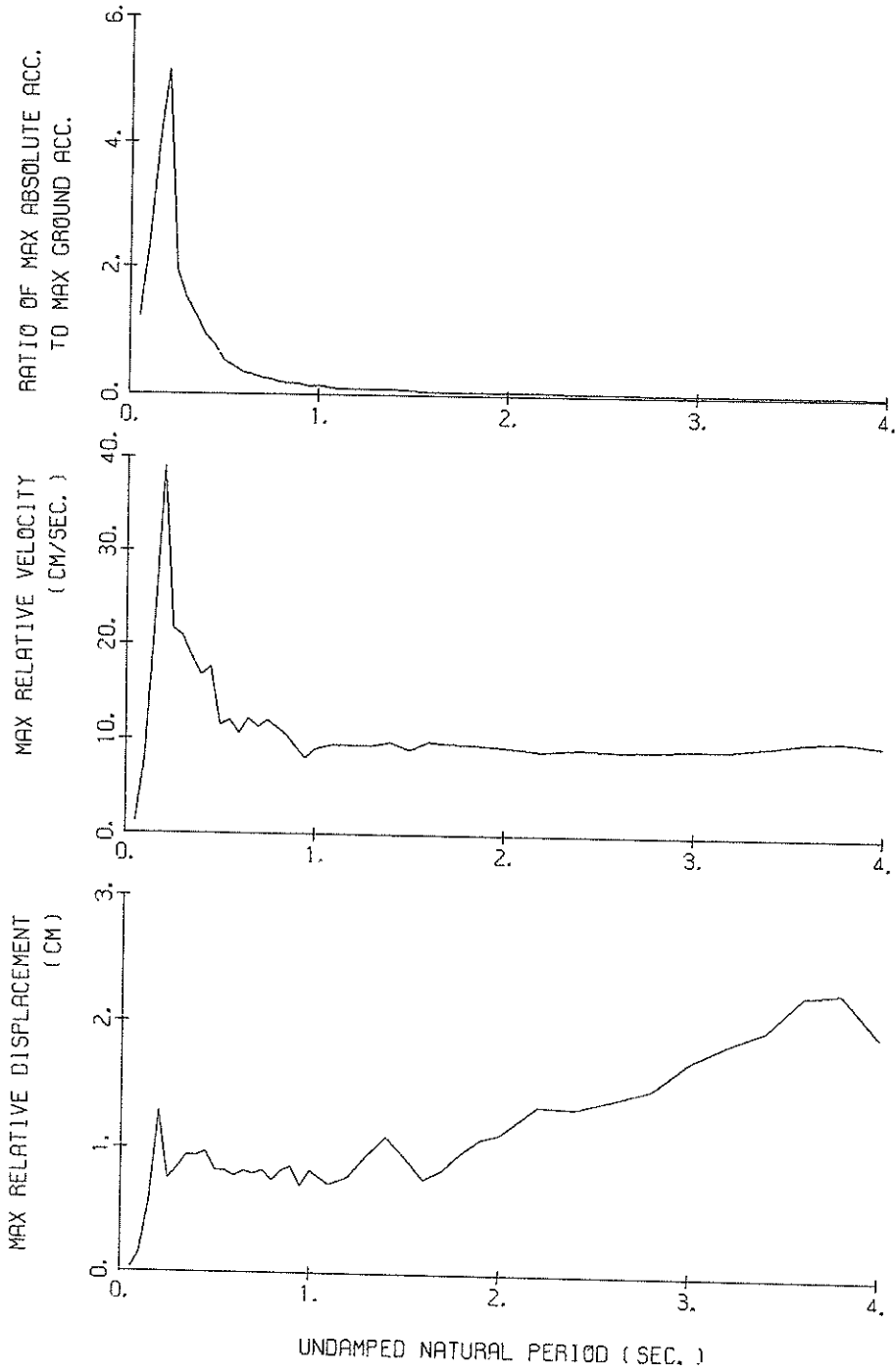
S-1204 EAST MIYAKO-S

($1/FC=3.15$ sec.)



RESPONSE SPECTRA (H=0.05)

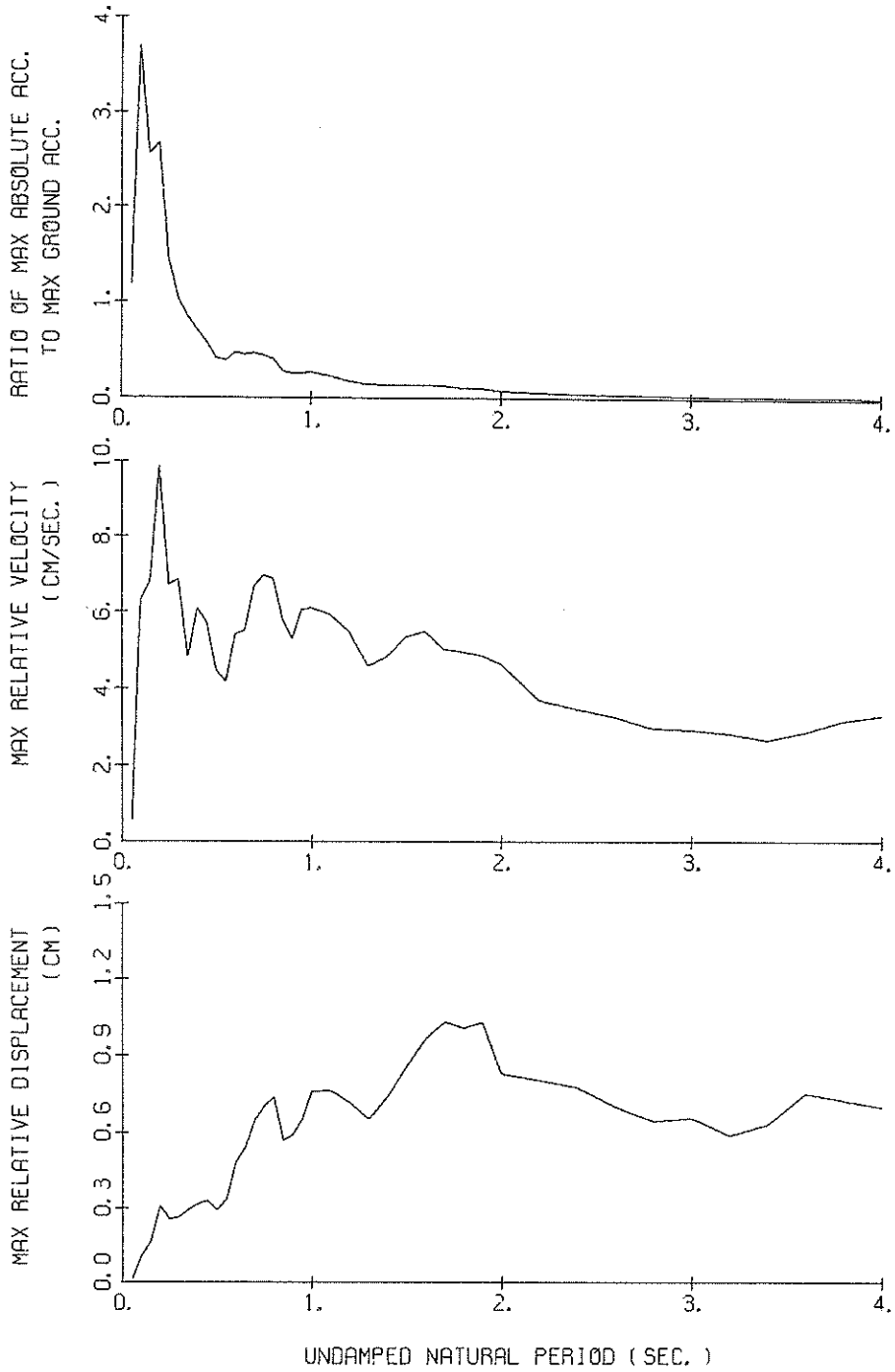
S-1204 SOUTH MIYAKO-S
(1/FC=4.57 sec.)



RESPONSE SPECTRA (H=0.05)

S-1204 DOWN MIYAKO-S

($1/FC=3.04$ sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1204
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 40.00 (SEC)

COMPONENT = EAST
 SIGNAL = GR. ACC.
 SAMPRING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 1.00 (SEC)

STATION = MIYAKO-S
 MAX. GROUND ACC. = 175.89 (GAL)

DAMPING = 0.025 DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	335.9	1.81	0.021	230.2	0.75	0.015	212.6	0.70	0.013	196.2	0.63	0.012	189.2	0.59	0.012
0.10	1880.5	29.37	0.476	514.2	7.27	0.130	388.3	5.23	0.097	311.4	3.56	0.078	268.9	2.42	0.064
0.15	3035.6	70.03	1.730	1108.4	25.88	0.633	766.9	16.55	0.435	561.2	11.81	0.313	333.2	6.23	0.174
0.20	4542.3	144.57	4.602	1371.6	42.83	1.391	989.0	30.32	0.997	622.5	18.96	0.619	326.6	9.05	0.293
0.25	1571.0	62.81	2.487	670.4	27.40	1.055	553.1	22.76	0.876	411.5	16.94	0.641	244.1	9.46	0.342
0.30	767.3	37.66	1.749	571.9	29.31	1.301	461.5	24.32	1.049	332.8	17.81	0.740	201.1	9.68	0.368
0.35	583.4	33.38	1.810	276.6	17.45	0.860	242.8	15.27	0.746	186.0	12.07	0.559	142.2	9.35	0.372
0.40	331.5	22.50	1.343	191.5	15.69	0.774	154.5	12.88	0.624	120.4	9.88	0.469	105.2	8.46	0.358
0.45	201.3	17.16	1.032	137.6	12.80	0.705	110.5	11.19	0.561	85.8	9.13	0.414	82.3	7.56	0.340
0.50	150.3	12.93	0.952	83.8	9.77	0.530	74.1	9.15	0.464	64.1	8.90	0.390	67.7	7.59	0.334
0.55	154.8	14.72	1.186	95.3	11.97	0.730	74.6	11.41	0.564	71.4	9.82	0.523	66.7	7.52	0.388
0.60	358.8	35.84	3.272	168.1	14.89	1.531	119.3	11.35	1.077	83.6	8.91	0.725	63.7	7.03	0.428
0.65	91.0	14.18	0.974	79.9	12.62	0.853	75.1	11.69	0.790	65.5	9.53	0.653	57.3	6.78	0.428
0.70	184.9	20.15	2.294	60.8	11.24	0.754	55.6	10.47	0.681	53.5	9.17	0.633	49.3	6.97	0.458
0.75	131.9	18.44	1.879	72.7	12.03	1.034	62.5	10.23	0.879	53.8	8.41	0.726	45.8	6.96	0.500
0.80	84.1	12.11	1.364	60.3	10.50	0.976	53.6	9.94	0.853	50.7	8.56	0.771	43.8	6.98	0.528
0.85	77.7	14.36	1.422	58.3	10.99	1.060	53.6	9.74	0.967	47.6	8.16	0.812	41.1	7.10	0.536
0.90	94.9	17.34	1.946	66.6	13.68	1.362	53.8	11.50	1.091	43.0	9.22	0.842	37.7	7.16	0.523
0.95	117.9	19.43	2.695	63.4	14.38	1.446	47.7	11.93	1.072	34.8	9.30	0.742	33.9	7.09	0.496
1.00	132.8	23.61	3.363	64.5	14.65	1.633	45.9	10.93	1.145	31.0	8.44	0.739	30.1	6.90	0.459
1.10	44.9	12.02	1.375	37.6	10.87	1.147	32.3	9.75	0.976	25.1	8.11	0.733	25.1	6.39	0.439
1.20	45.4	11.23	1.655	34.9	9.51	1.267	28.7	8.63	1.021	23.0	7.57	0.769	23.4	6.04	0.466
1.30	47.5	13.22	2.032	30.3	9.65	1.287	23.5	8.05	0.972	19.2	6.66	0.708	21.7	6.26	0.478
1.40	42.6	11.83	2.113	24.2	9.02	1.200	17.0	8.29	0.831	16.2	7.47	0.670	19.8	6.55	0.470
1.50	33.0	9.78	1.883	21.2	7.54	1.210	16.2	7.84	0.906	13.1	7.69	0.657	17.9	6.79	0.492
1.60	20.3	9.87	1.317	15.4	8.97	0.991	13.5	8.52	0.841	12.6	7.97	0.713	15.9	6.94	0.505
1.70	18.1	10.24	1.328	13.5	9.44	0.982	13.2	8.87	0.861	11.6	8.12	0.726	14.6	7.02	0.506
1.80	24.7	9.37	2.027	16.7	8.73	1.362	13.2	8.44	1.035	10.7	7.95	0.734	13.9	7.01	0.520
1.90	20.3	9.07	1.854	13.8	8.03	1.250	11.7	7.79	1.016	10.4	7.61	0.782	13.1	6.95	0.547
2.00	15.7	9.12	1.586	12.0	8.35	1.212	10.2	7.82	1.010	9.6	7.29	0.780	12.3	6.85	0.563
2.20	6.0	7.01	0.731	6.3	7.11	0.754	6.6	7.11	0.748	7.2	7.03	0.690	10.7	6.66	0.597
2.40	9.8	7.75	1.435	8.1	7.07	1.164	7.3	6.67	0.983	6.8	6.93	0.833	9.6	6.72	0.641
2.60	14.5	10.62	2.483	9.1	8.87	1.551	7.7	8.04	1.260	6.7	7.34	0.973	8.6	6.75	0.661
2.80	8.9	8.12	1.768	6.1	7.78	1.194	5.8	7.58	1.077	5.5	7.22	0.881	7.7	6.73	0.643
3.00	4.1	6.25	0.942	4.2	6.20	0.910	4.4	6.50	0.854	4.8	6.74	0.732	6.9	6.67	0.596
3.20	3.5	6.95	0.907	3.4	6.65	0.824	3.6	6.43	0.769	4.2	6.52	0.677	6.4	6.60	0.538
3.40	3.9	7.06	1.142	2.9	6.78	0.817	2.8	6.57	0.723	3.6	6.54	0.603	5.9	6.55	0.483
3.60	3.3	7.10	1.082	2.5	6.86	0.801	2.6	6.71	0.727	3.1	6.57	0.640	5.5	6.50	0.474
3.80	2.4	6.75	0.864	2.2	6.65	0.774	2.4	6.58	0.731	2.7	6.50	0.654	5.1	6.46	0.495
4.00	2.2	6.39	0.883	2.0	6.29	0.764	2.1	6.33	0.722	2.5	6.38	0.652	4.9	6.42	0.508

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

RESPONSE SPECTRUM

RECORD = S-1204 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = STATION = MIYAKO-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 248.99 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 1.00 (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	530.8	2.81	0.034	319.1	1.04	0.020	293.4	0.97	0.019	279.9	0.92	0.018	281.1	0.82	0.017	281.1	0.82	0.017		
0.10	1508.0	23.53	0.382	729.5	10.33	0.184	584.8	7.81	0.148	478.4	5.44	0.119	358.1	3.57	0.086	358.1	3.57	0.086		
0.15	6529.8	156.73	3.721	1295.2	29.67	0.743	994.8	21.99	0.565	696.0	14.29	0.417	417.0	8.01	0.221	417.0	8.01	0.221		
0.20	2216.7	71.66	2.246	1707.1	53.67	1.730	1285.2	39.08	1.291	870.5	24.48	0.809	426.0	12.08	0.384	426.0	12.08	0.384		
0.25	1263.8	52.15	2.001	548.0	24.08	0.864	482.6	21.62	0.756	408.5	18.13	0.633	295.6	12.20	0.405	295.6	12.20	0.405		
0.30	659.2	32.24	1.503	404.4	22.83	0.916	373.0	20.79	0.842	320.0	17.85	0.712	223.4	12.10	0.433	223.4	12.10	0.433		
0.35	927.4	52.20	2.878	344.0	19.94	1.064	307.3	18.59	0.946	250.8	15.93	0.755	169.1	10.19	0.437	169.1	10.19	0.437		
0.40	358.6	25.14	1.372	243.0	17.55	0.980	232.2	16.74	0.936	184.0	13.78	0.721	120.8	9.56	0.404	120.8	9.56	0.404		
0.45	320.5	25.05	1.644	237.2	20.46	1.215	191.6	17.58	0.976	143.9	13.95	0.717	103.1	9.71	0.446	103.1	9.71	0.446		
0.50	149.4	13.04	0.946	133.4	11.43	0.845	131.0	11.48	0.819	119.3	10.96	0.724	95.2	9.02	0.446	95.2	9.02	0.446		
0.55	270.6	25.87	2.074	135.5	14.57	1.035	108.3	12.06	0.818	90.2	10.08	0.655	82.0	8.23	0.485	82.0	8.23	0.485		
0.60	240.2	25.01	2.190	102.7	11.54	0.936	85.8	10.60	0.774	71.8	9.45	0.622	68.8	8.32	0.462	68.8	8.32	0.462		
0.65	185.3	20.13	1.983	98.0	14.11	1.045	78.0	12.20	0.822	60.3	10.35	0.601	60.7	8.54	0.451	60.7	8.54	0.451		
0.70	119.4	15.09	1.482	70.8	12.26	0.872	65.1	11.29	0.793	54.9	10.37	0.626	53.9	8.81	0.466	53.9	8.81	0.466		
0.75	207.0	25.44	2.950	79.2	13.33	1.127	59.1	12.03	0.825	49.3	10.69	0.635	50.3	8.95	0.494	50.3	8.95	0.494		
0.80	117.8	14.91	1.910	50.0	11.92	1.008	47.1	11.24	0.745	43.3	10.44	0.640	47.4	8.93	0.520	47.4	8.93	0.520		
0.85	92.4	13.46	1.692	57.6	11.01	1.048	46.0	10.48	0.827	36.6	9.87	0.618	44.5	8.79	0.540	44.5	8.79	0.540		
0.90	82.3	12.85	1.688	52.5	9.21	1.074	42.5	9.23	0.853	34.0	9.11	0.637	41.8	8.59	0.556	41.8	8.59	0.556		
0.95	80.2	14.46	1.834	39.9	9.18	0.908	31.6	8.05	0.698	32.2	8.37	0.653	39.4	8.39	0.572	39.4	8.39	0.572		
1.00	54.2	11.48	1.373	37.6	9.77	0.944	33.7	9.06	0.826	31.3	8.31	0.700	37.2	8.27	0.585	37.2	8.27	0.585		
1.10	57.0	11.95	1.748	28.5	10.23	0.868	23.8	9.54	0.715	25.1	8.80	0.661	33.3	8.24	0.603	33.3	8.24	0.603		
1.20	39.5	10.76	1.440	26.1	10.04	0.941	22.4	9.37	0.777	22.9	8.66	0.711	30.0	8.18	0.615	30.0	8.18	0.615		
1.30	47.4	12.05	2.031	26.0	10.11	1.107	23.2	9.39	0.952	21.7	8.80	0.778	27.1	8.14	0.618	27.1	8.14	0.618		
1.40	43.4	11.54	2.154	30.6	10.45	1.513	22.6	9.78	1.101	18.1	8.81	0.808	24.4	8.18	0.604	24.4	8.18	0.604		
1.50	57.8	15.22	3.295	21.3	9.55	1.203	17.1	8.98	0.938	15.2	8.42	0.760	21.9	8.32	0.603	21.9	8.32	0.603		
1.60	23.8	12.02	1.546	14.8	10.84	0.959	12.6	9.84	0.758	13.3	9.08	0.692	20.0	8.48	0.631	20.0	8.48	0.631		
1.70	21.1	9.52	1.546	15.0	9.77	1.090	12.1	9.67	0.838	12.3	9.28	0.744	18.6	8.61	0.662	18.6	8.61	0.662		
1.80	25.8	10.19	2.115	16.2	9.78	1.328	12.3	9.59	0.982	12.0	9.30	0.802	17.6	8.70	0.700	17.6	8.70	0.700		
1.90	24.4	9.40	2.231	15.1	9.54	1.374	12.0	9.47	1.087	11.3	9.25	0.826	16.7	8.75	0.746	16.7	8.75	0.746		
2.00	15.0	10.16	1.516	12.2	9.57	1.230	11.3	9.36	1.125	10.5	9.17	0.897	16.0	8.78	0.795	16.0	8.78	0.795		
2.20	25.0	14.20	3.059	15.7	8.83	1.908	11.4	8.96	1.352	10.1	9.01	1.036	14.7	8.79	0.896	14.7	8.79	0.896		
2.40	19.5	10.21	2.839	12.8	9.30	1.861	9.7	9.18	1.334	9.7	9.03	1.176	13.5	8.79	0.992	13.5	8.79	0.992		
2.60	12.6	9.01	2.164	9.9	8.94	1.685	8.7	8.98	1.409	9.2	8.98	1.305	12.5	8.78	1.078	12.5	8.78	1.078		
2.80	11.2	9.04	2.218	8.0	9.08	1.567	8.0	9.07	1.488	8.7	9.00	1.417	11.6	8.76	1.153	11.6	8.76	1.153		
3.00	9.4	9.76	2.148	8.2	9.44	1.829	8.1	9.26	1.715	8.4	9.05	1.552	10.7	8.72	1.209	10.7	8.72	1.209		
3.20	10.8	9.58	2.793	7.7	9.40	1.960	7.7	9.27	1.854	8.0	9.06	1.651	9.9	8.65	1.239	9.9	8.65	1.239		
3.40	10.8	9.73	3.156	7.4	9.77	2.124	7.3	9.67	1.965	7.4	9.37	1.686	9.2	8.66	1.237	9.2	8.66	1.237		
3.60	9.5	11.22	3.103	7.9	10.64	2.569	7.0	10.22	2.244	6.7	9.64	1.808	8.6	8.76	1.201	8.6	8.76	1.201		
3.80	10.0	11.67	3.641	7.3	10.87	2.614	6.5	10.35	2.270	5.8	9.71	1.835	7.9	8.81	1.198	7.9	8.81	1.198		
4.00	8.8	10.24	3.564	5.5	10.07	2.181	5.1	9.88	1.928	5.0	9.54	1.711	7.3	8.81	1.204	7.3	8.81	1.204		

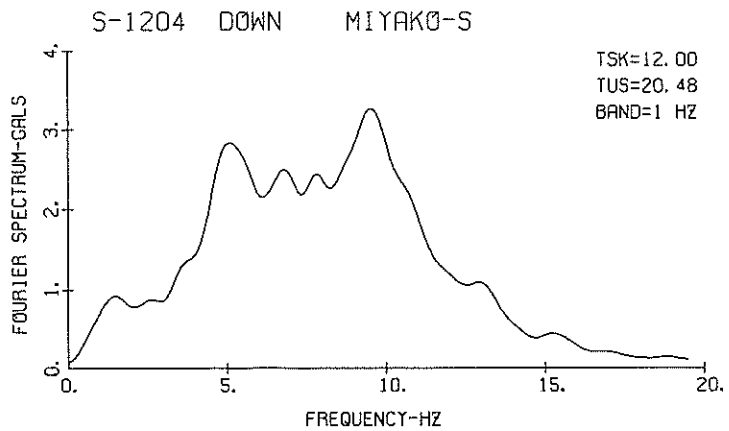
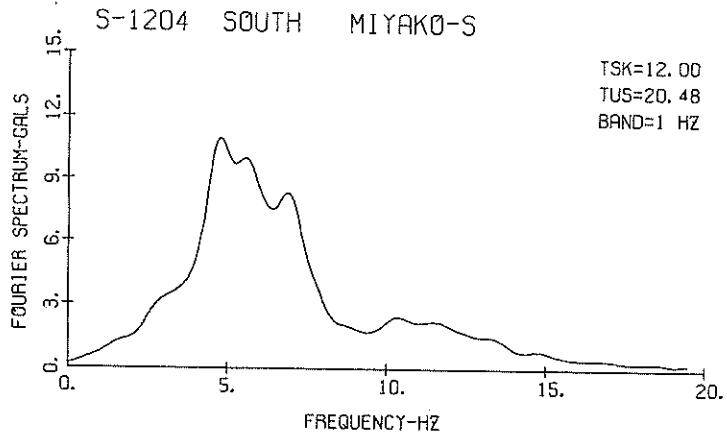
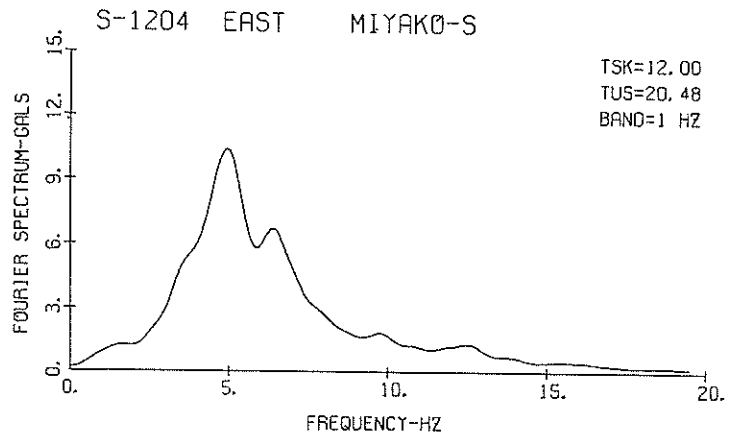
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1204 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = STATION = MIYAKO-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 113.42 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 1.00 (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	181.5	1.14	0.011	131.9	0.53	0.008	132.0	0.52	0.008	130.7	0.50	0.008	127.5	0.42	0.008					
0.10	1852.6	29.23	0.469	611.6	9.43	0.155	418.6	6.31	0.106	311.5	4.42	0.078	177.3	2.19	0.041					
0.15	2151.0	51.07	1.226	429.6	10.06	0.243	290.6	6.80	0.165	198.3	4.70	0.109	149.3	2.93	0.075					
0.20	1371.5	43.84	1.390	397.2	12.60	0.404	303.5	9.89	0.309	203.7	6.50	0.203	123.5	3.94	0.108					
0.25	349.2	14.24	0.553	177.9	7.52	0.283	162.1	6.69	0.256	125.3	4.98	0.194	81.2	3.72	0.113					
0.30	292.9	15.40	0.668	140.0	8.20	0.320	116.2	6.85	0.265	94.0	5.16	0.210	59.7	3.52	0.121					
0.35	138.0	8.16	0.428	96.6	5.00	0.299	95.4	4.81	0.294	77.0	4.28	0.233	50.1	3.05	0.133					
0.40	236.1	15.25	0.957	104.6	7.33	0.429	79.3	6.09	0.318	58.6	4.60	0.278	42.6	2.96	0.138					
0.45	94.7	6.96	0.486	79.6	6.41	0.409	64.7	5.72	0.329	51.5	4.57	0.255	39.2	3.16	0.155					
0.50	105.7	9.12	0.669	55.3	5.45	0.350	46.6	4.46	0.293	36.9	3.94	0.227	35.5	3.08	0.169					
0.55	168.7	14.80	1.293	64.2	5.85	0.491	44.1	4.17	0.334	36.4	3.48	0.264	33.1	3.09	0.192					
0.60	128.0	12.71	1.167	67.7	7.13	0.617	53.6	5.42	0.486	38.7	4.18	0.344	30.3	3.42	0.234					
0.65	90.5	10.18	0.968	61.2	6.68	0.653	51.0	5.52	0.542	40.1	4.66	0.417	28.7	3.69	0.268					
0.70	108.4	12.90	1.346	71.4	8.58	0.884	52.9	6.69	0.651	41.0	4.92	0.490	28.9	3.88	0.291					
0.75	116.4	14.15	1.658	67.4	9.30	0.959	49.8	6.96	0.703	38.4	5.16	0.524	27.1	3.96	0.301					
0.80	120.8	15.61	1.958	60.1	8.62	0.972	45.8	6.87	0.737	33.1	5.12	0.523	24.5	3.93	0.312					
0.85	51.1	7.81	0.936	39.8	6.97	0.728	31.6	5.78	0.571	27.1	4.94	0.476	21.8	3.83	0.324					
0.90	51.1	8.13	1.048	38.6	6.41	0.791	29.0	5.31	0.591	22.9	4.71	0.450	20.0	3.70	0.327					
0.95	61.8	10.46	1.413	38.1	7.35	0.868	29.1	6.06	0.652	22.9	4.89	0.500	18.2	3.57	0.325					
1.00	78.2	12.98	1.980	39.6	7.47	1.001	30.2	6.09	0.760	21.8	4.70	0.522	16.4	3.63	0.321					
1.10	47.5	9.79	1.456	30.4	6.73	0.928	25.3	5.94	0.762	20.4	5.06	0.578	15.9	3.79	0.338					
1.20	30.1	6.93	1.098	24.2	5.99	0.880	19.7	5.48	0.716	14.7	4.76	0.517	13.5	3.73	0.317					
1.30	46.6	9.53	1.993	20.2	5.70	0.860	15.5	4.59	0.653	12.1	4.18	0.481	11.9	3.58	0.340					
1.40	31.9	7.18	1.581	17.8	5.41	0.881	15.1	4.85	0.741	12.4	4.09	0.588	11.4	3.44	0.399					
1.50	21.1	6.28	1.205	16.6	5.83	0.940	15.3	5.36	0.858	13.3	4.56	0.709	10.7	3.31	0.443					
1.60	34.6	9.05	2.242	16.7	6.08	1.079	15.2	5.51	0.966	12.9	4.63	0.774	10.1	3.29	0.464					
1.70	28.4	8.94	2.081	17.4	5.81	1.267	14.2	5.04	1.029	11.5	4.28	0.762	9.4	3.36	0.458					
1.80	25.0	7.09	2.049	14.9	5.57	1.223	12.3	4.97	1.004	9.2	4.37	0.721	8.6	3.45	0.438					
1.90	21.1	7.16	1.927	13.9	5.48	1.264	11.4	4.86	1.028	8.5	4.29	0.739	7.9	3.48	0.451					
2.00	14.9	6.37	1.514	9.9	5.25	1.004	8.4	4.65	0.827	7.1	4.03	0.668	7.2	3.46	0.453					
2.20	15.2	6.18	1.861	9.5	4.01	1.158	6.6	3.71	0.802	5.1	3.58	0.554	5.9	3.37	0.438					
2.40	10.8	4.81	1.572	6.6	3.62	0.961	5.6	3.47	0.775	5.0	3.36	0.638	5.1	3.26	0.443					
2.60	4.2	3.43	0.726	4.3	3.34	0.722	4.3	3.27	0.699	4.5	3.18	0.638	4.9	3.16	0.478					
2.80	3.2	2.93	0.641	3.3	2.88	0.644	3.5	2.96	0.645	3.8	3.00	0.616	4.6	3.08	0.496					
3.00	3.5	3.07	0.806	3.2	2.98	0.707	3.1	2.94	0.658	3.4	2.93	0.608	4.3	3.02	0.504					
3.20	1.8	3.03	0.470	2.2	2.87	0.555	2.5	2.84	0.589	3.0	2.84	0.594	4.0	2.98	0.506					
3.40	2.3	2.92	0.675	2.2	2.73	0.623	2.4	2.67	0.633	2.8	2.79	0.609	3.7	2.95	0.503					
3.60	3.2	3.55	1.041	2.7	3.10	0.861	2.5	2.88	0.753	2.6	2.83	0.635	3.4	2.94	0.479					
3.80	2.8	3.66	1.011	2.3	3.37	0.827	2.2	3.18	0.724	2.4	2.94	0.609	3.2	2.94	0.479					
4.00	2.3	3.82	0.946	2.0	3.52	0.796	1.9	3.31	0.699	2.0	3.04	0.583	3.0	2.95	0.455					

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



FOURIER SPECTRA

RECORD NUMBER

S-1202

STATION

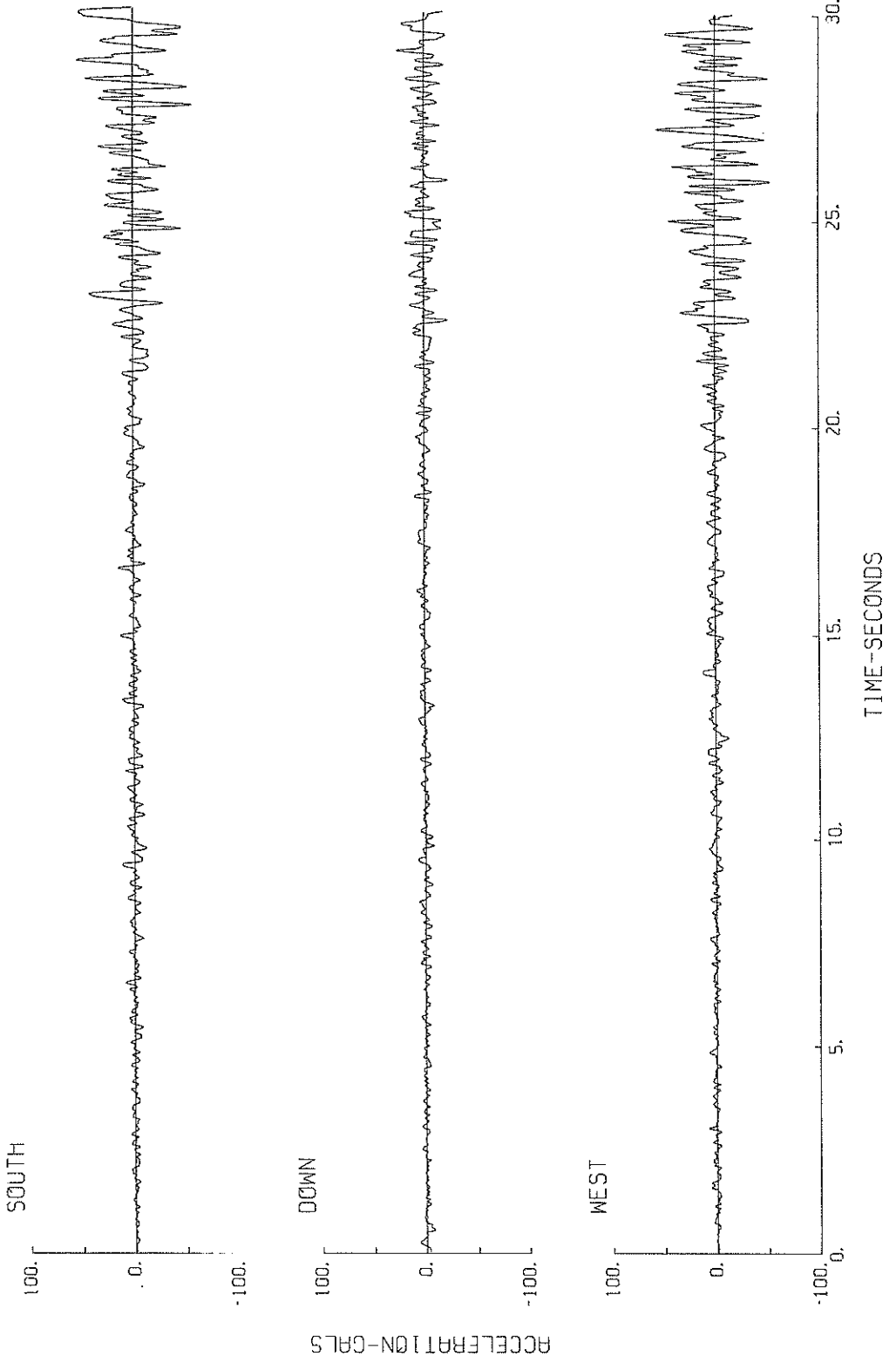
HACHINOHE-S

EARTHQUAKE DATA

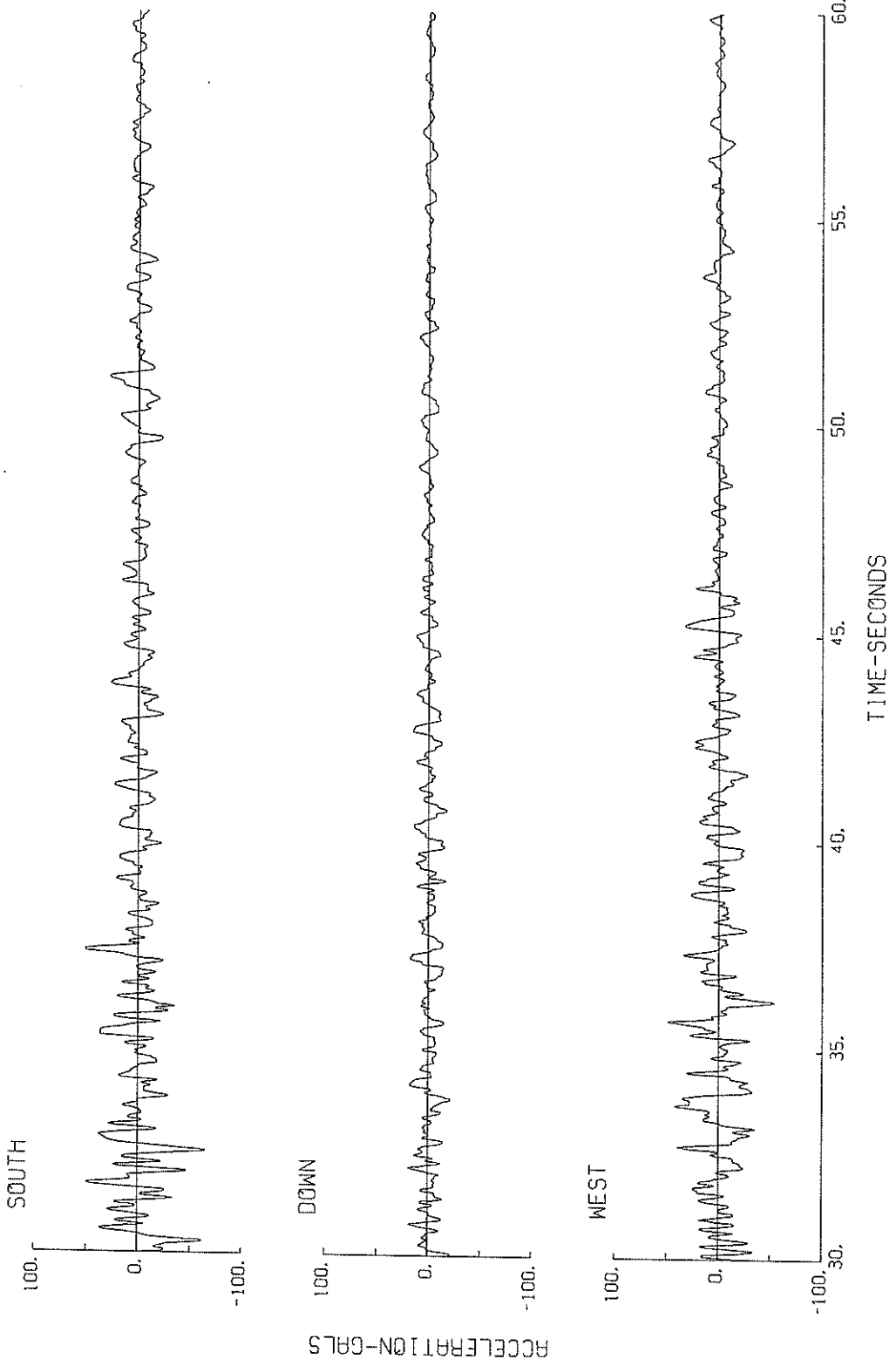
```
*****
*
*   DATE AND TIME           17:14 JUNE 12,1978      *
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.         *
*   LATITUDE                38.15 N                 *
*   LONGITUDE               142.17 E                 *
*   DEPTH                   40KM                     *
*
*   MAGNITUDE              7.4                       *
*
*****
```

PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	SOUTH	WEST	DOWN
FC (HZ)	0.265	0.246	0.368
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	65.6	56.3	26.2
SMAC-B2 EQUIVALENT			
CORRECTED	79.4	72.7	36.0
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	8.17	8.68	3.58
VARIABLE FILTER	7.76	8.21	2.91
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	1.79	2.02	1.16
VARIABLE FILTER	1.47	1.70	0.49

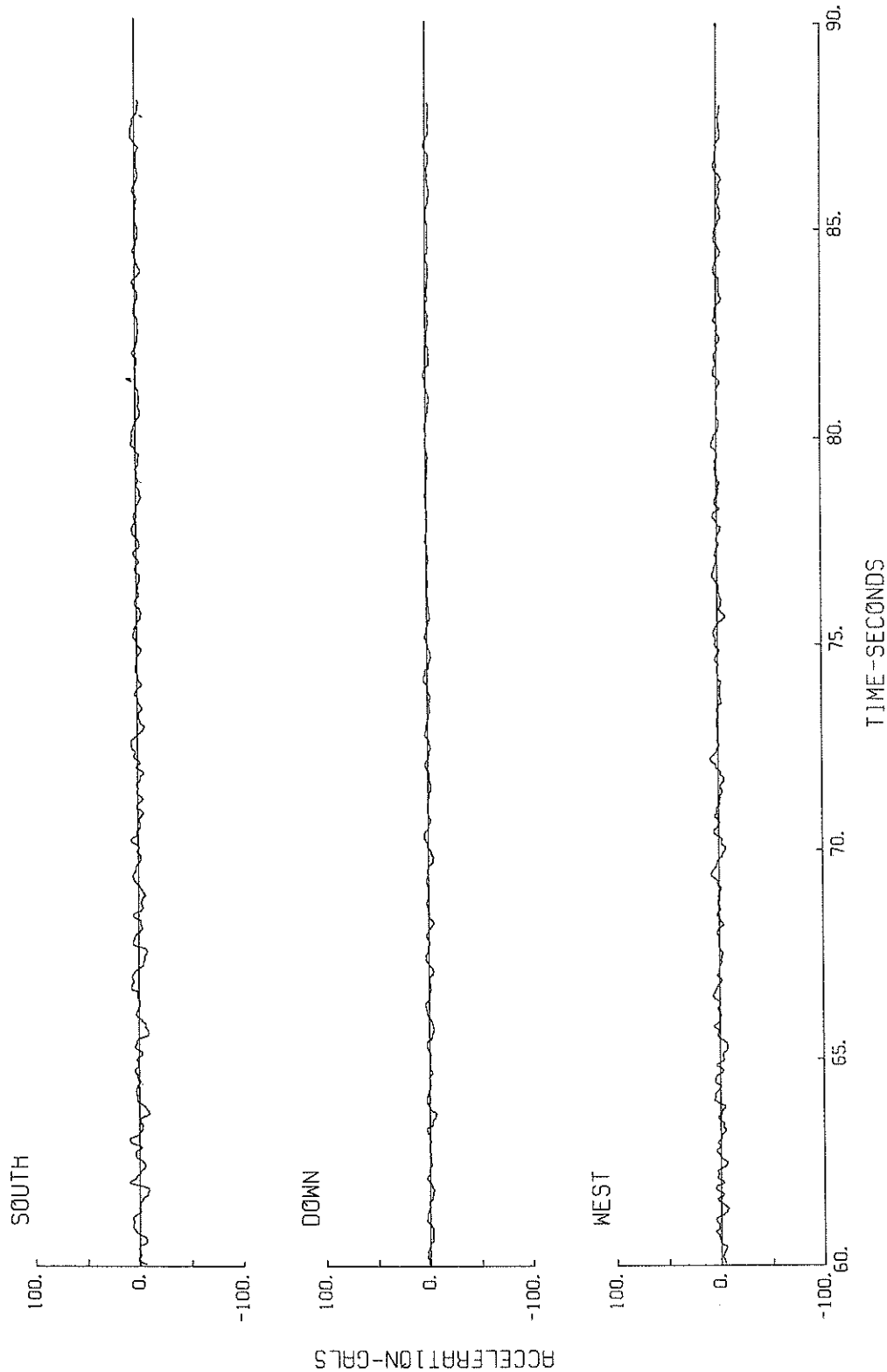
S-1202 HACHINØHE-S



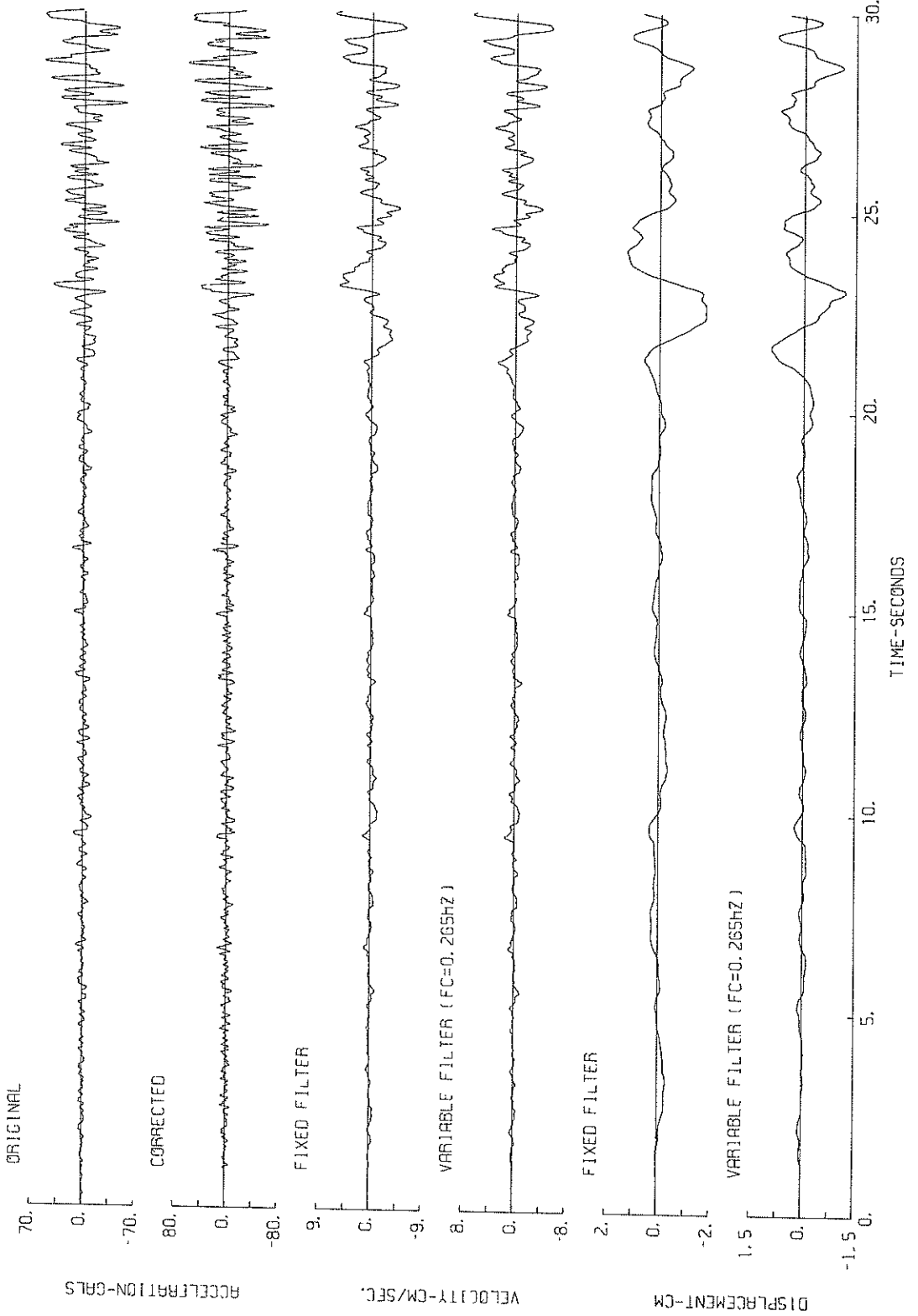
S-1202 HACHINØHE-S



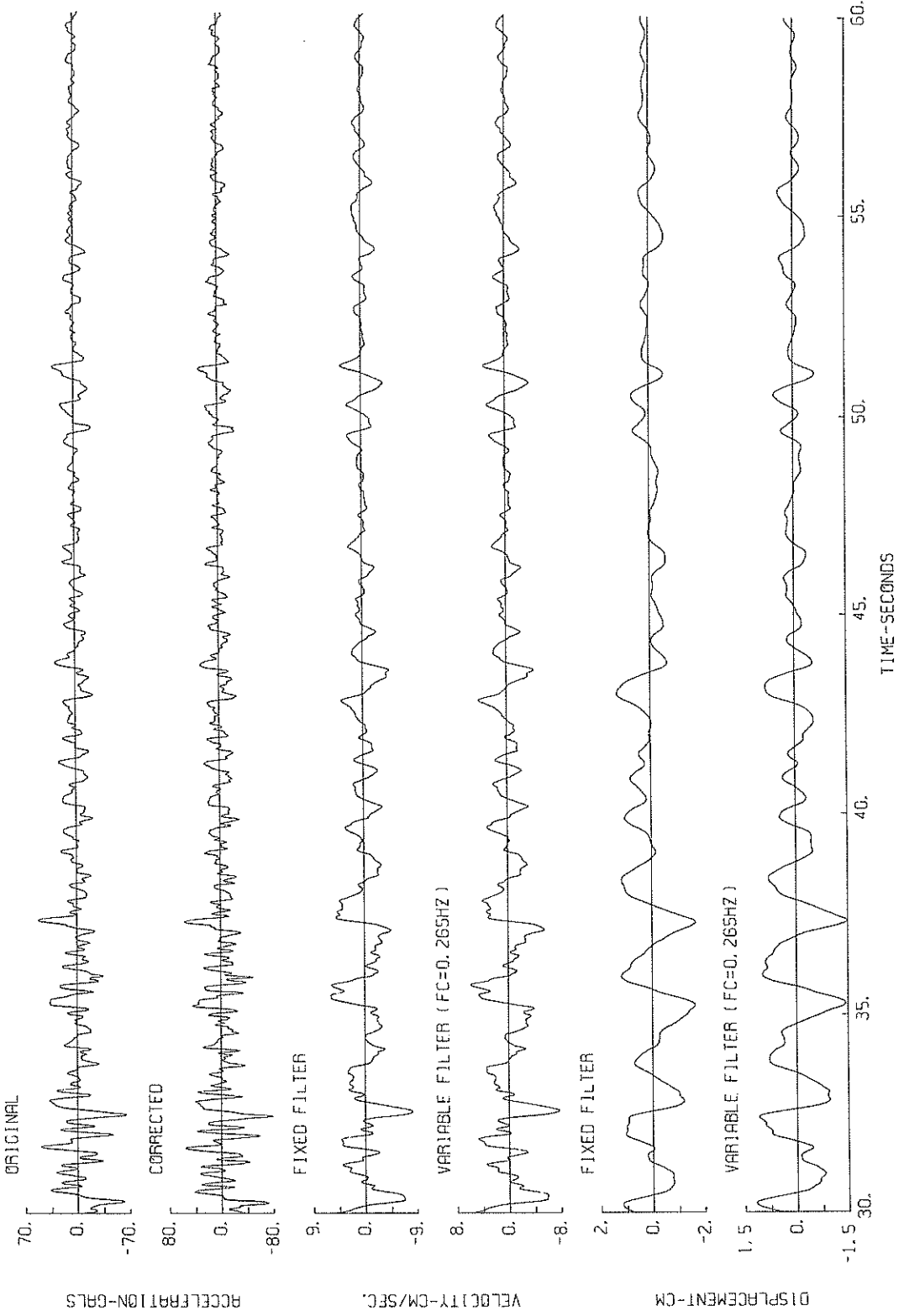
S-1202 HACHINØHE-S



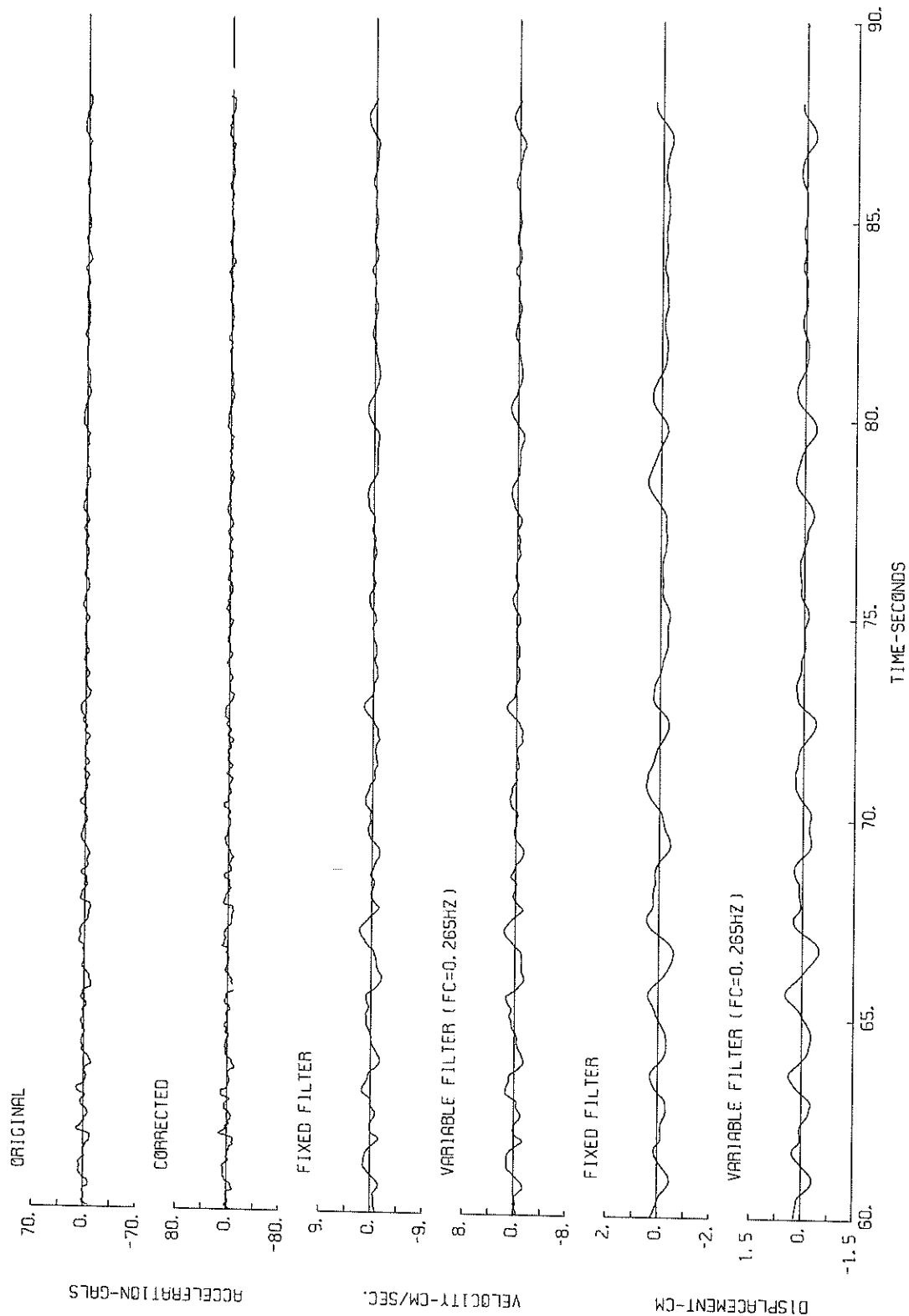
S-1202 SOUTH HACHINOHE-S



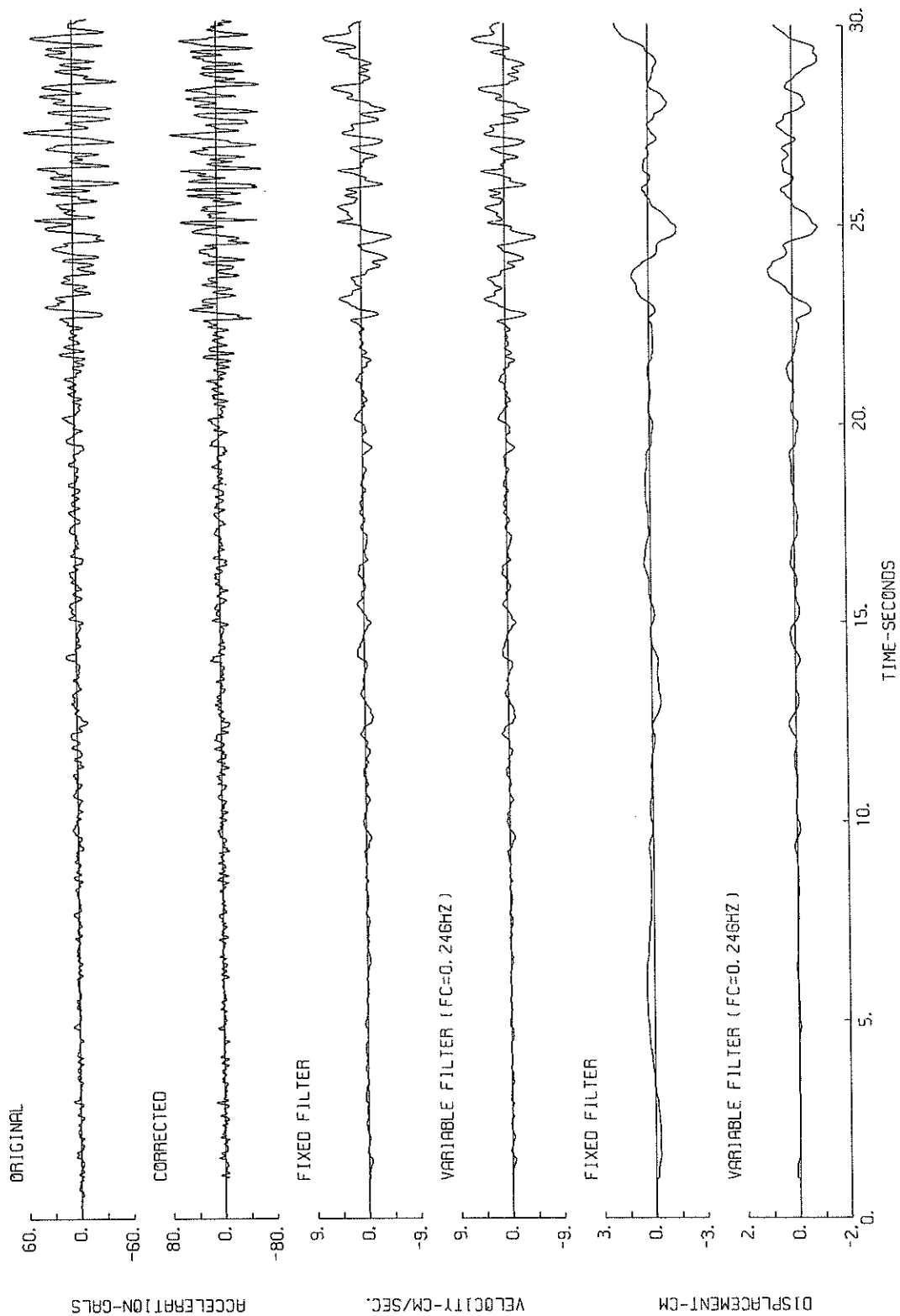
S-1202 SOUTH HACHINOHE-S



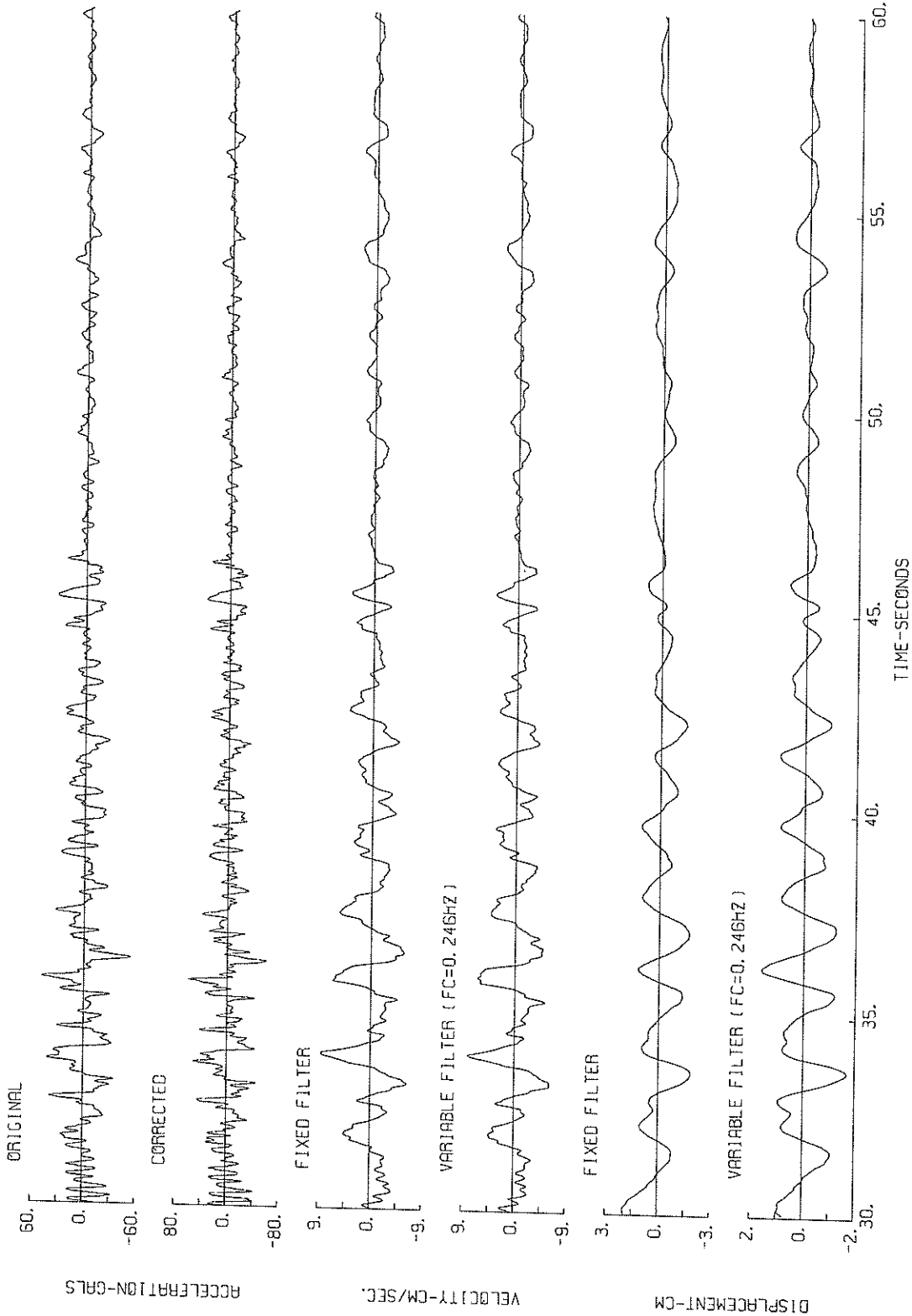
S-1202 SOUTH HACHINOHE-S



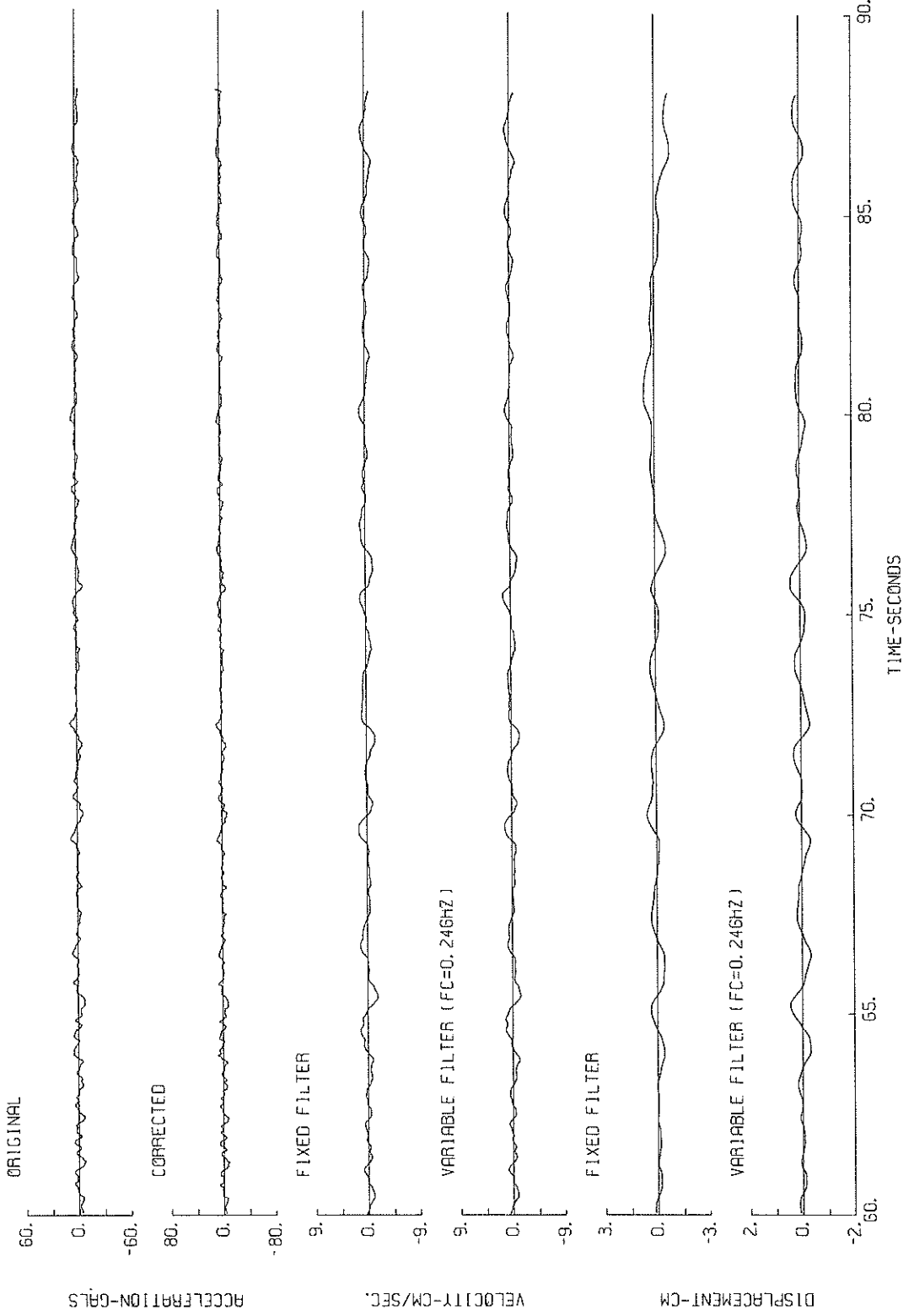
S-1202 WEST HACHINØHE-S



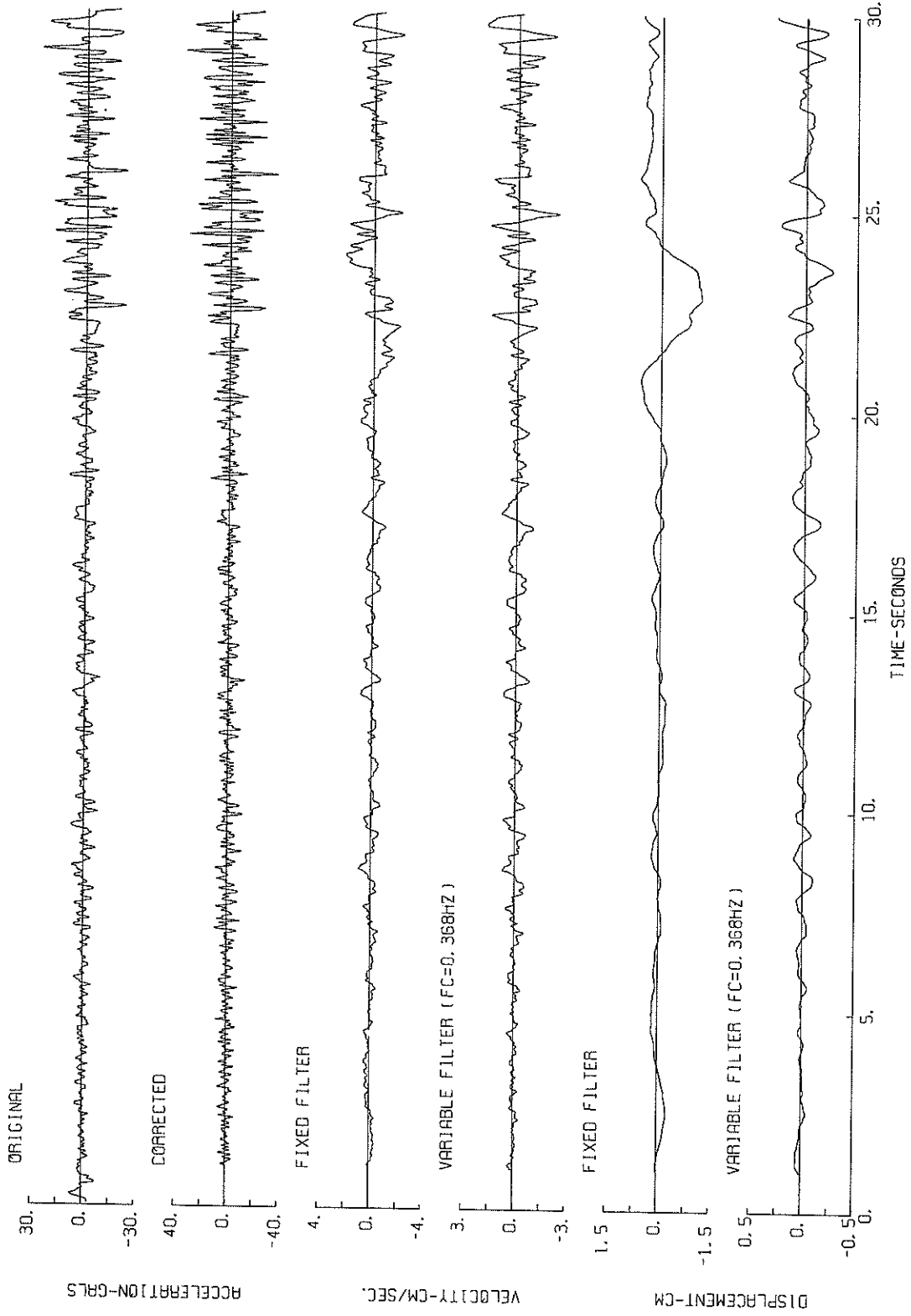
S-1202 WEST HACHINØHE-S



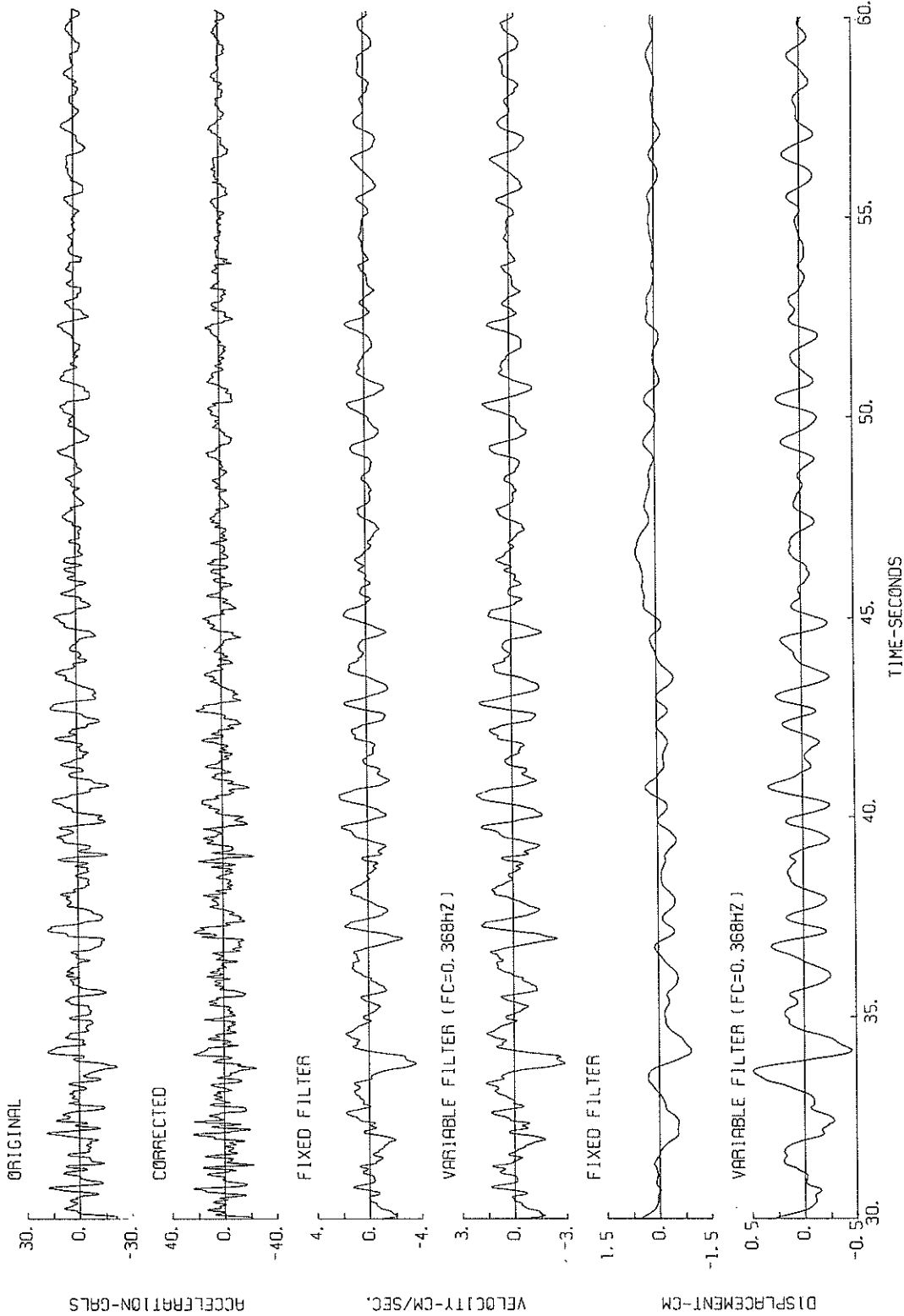
S-1202 WEST HACHINGHE-S



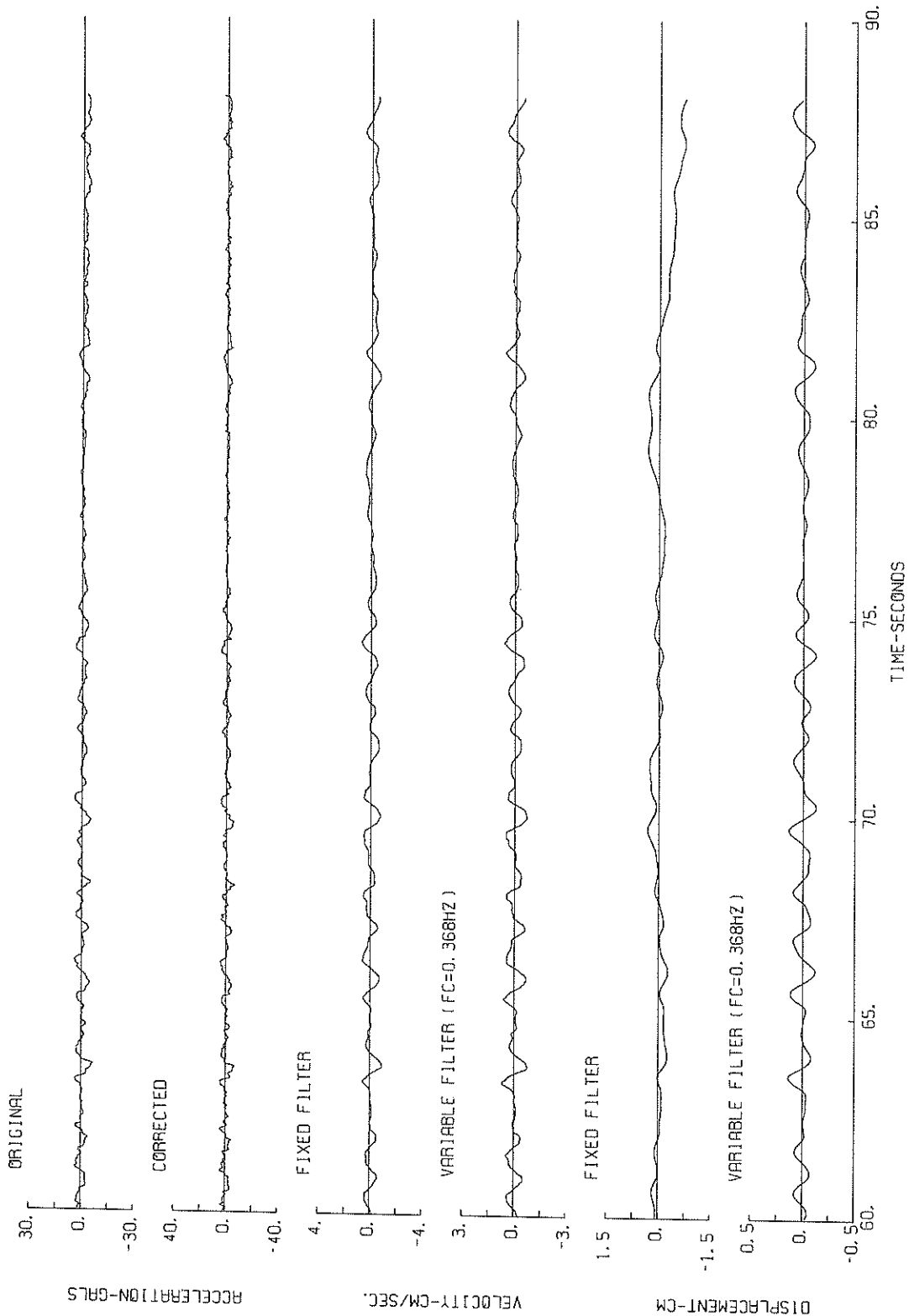
S-1202 DOWN HACHINGHE-S



S-1202 DOWN HACHINØHE-S

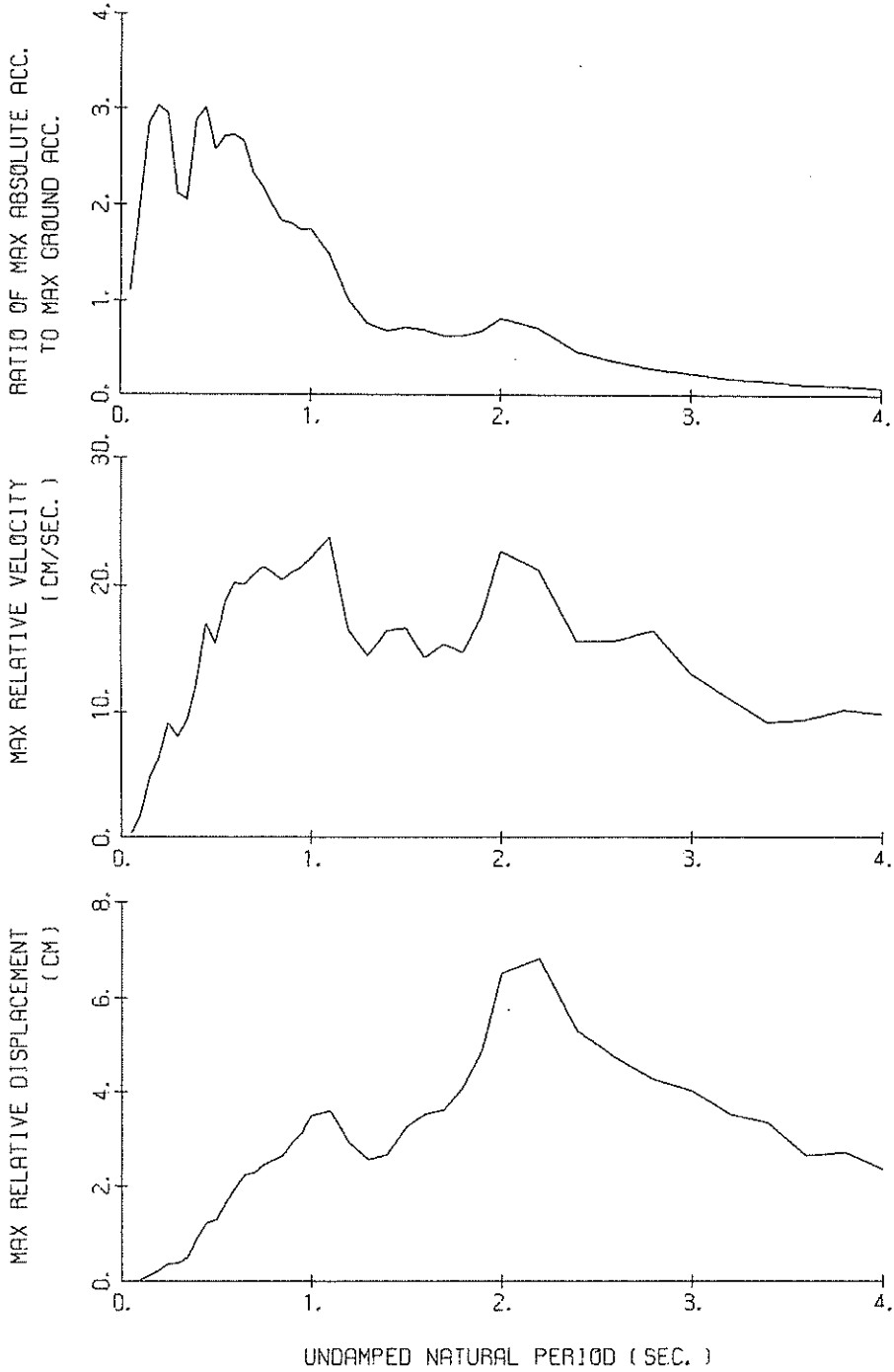


S-1202 DOWN HACHINØHE-S



S-1202 SOUTH HACHINOHE-S

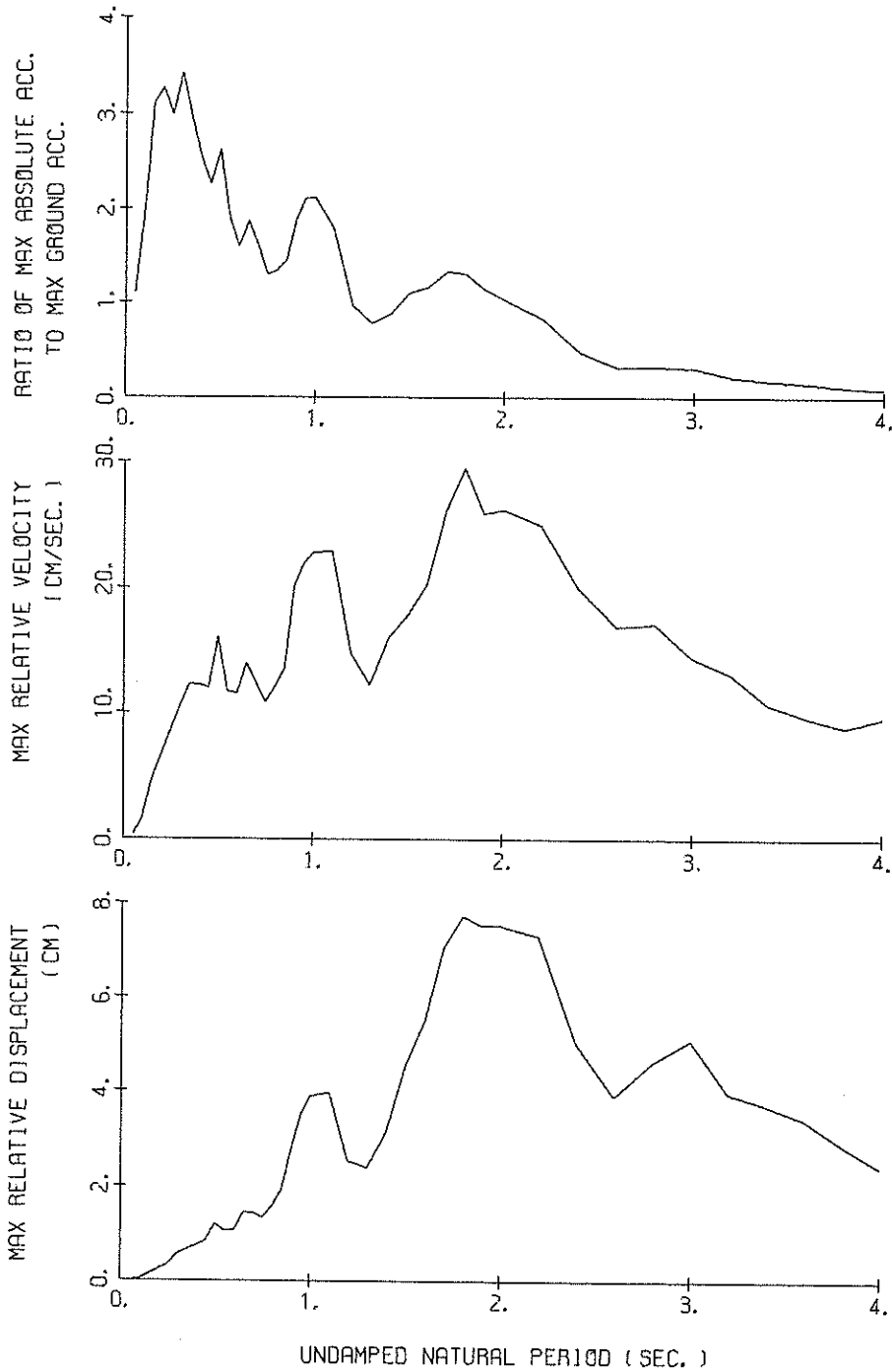
($1/FC=3.77$ sec.)



RESPONSE SPECTRA (H=0.05)

S-1202 WEST HACHINOHE-S

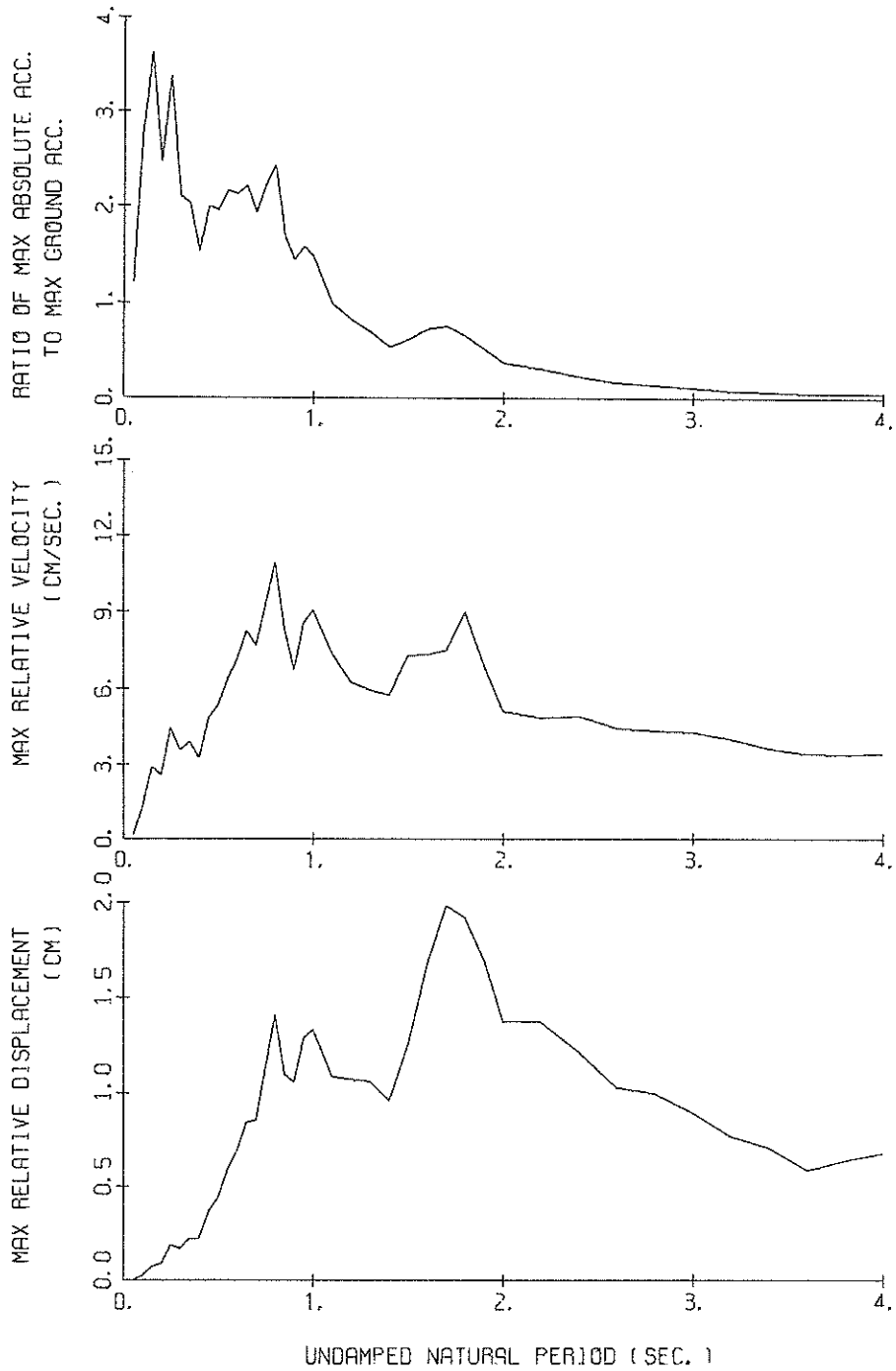
(1/FC=4.07 sec.)



RESPONSE SPECTRA (H=0.05)

S-1202 DOWN HACHINOHE-S

(1/FC=2.72 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1202 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = STATION = HACHINOHE-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 79.40 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 20.00 (SEC)

PER	DAMPING = 0.0			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	115.3	0.64	0.007	88.2	0.18	0.006	86.2	0.18	0.005	85.1	0.17	0.005	83.8	0.16	0.005
0.10	651.3	10.03	0.165	176.4	1.97	0.045	153.7	1.65	0.039	126.9	1.28	0.032	97.3	0.87	0.023
0.15	621.1	14.74	0.354	294.3	6.56	0.167	225.4	4.77	0.128	160.8	3.11	0.091	107.1	1.65	0.058
0.20	873.8	26.64	0.885	289.7	8.36	0.293	240.3	6.35	0.243	195.1	4.93	0.196	119.8	2.64	0.113
0.25	494.0	19.82	0.782	292.5	11.24	0.461	233.9	9.14	0.371	175.2	6.60	0.273	116.6	3.46	0.172
0.30	768.6	36.71	1.752	269.4	12.84	0.612	167.7	8.02	0.382	135.1	6.09	0.301	104.5	4.21	0.219
0.35	305.5	16.68	0.948	195.7	10.56	0.605	162.5	9.39	0.502	125.1	7.57	0.381	94.4	4.70	0.258
0.40	598.4	37.71	2.425	288.3	16.58	1.169	229.1	12.40	0.925	160.1	9.15	0.636	89.9	5.45	0.328
0.45	416.2	29.77	2.135	302.2	21.04	1.552	239.1	17.04	1.233	156.5	11.43	0.792	88.4	5.85	0.444
0.50	801.5	63.67	5.076	260.3	20.41	1.645	204.0	15.51	1.288	151.7	10.88	0.949	84.7	6.19	0.568
0.55	428.0	35.83	3.280	280.5	23.91	2.150	215.3	18.63	1.643	159.6	13.45	1.202	102.0	7.51	0.732
0.60	533.8	50.44	4.868	306.5	29.09	2.794	215.9	20.25	1.957	149.5	14.07	1.349	103.3	8.23	0.868
0.65	480.3	50.09	5.140	264.0	27.37	2.823	210.5	20.07	2.241	157.3	14.30	1.660	100.8	8.43	0.974
0.70	395.8	43.94	4.913	206.5	23.23	2.560	184.3	20.85	2.277	151.1	16.36	1.859	101.0	9.09	1.159
0.75	628.3	74.61	8.952	208.8	25.09	2.974	173.3	21.48	2.457	140.9	17.36	1.969	99.4	10.02	1.256
0.80	237.0	29.38	3.841	176.9	22.75	2.863	157.8	21.00	2.544	131.9	17.51	2.095	95.2	10.49	1.361
0.85	180.9	25.11	3.311	161.4	21.98	2.950	145.4	20.47	2.844	124.7	17.59	2.237	89.9	10.54	1.449
0.90	276.0	39.95	5.863	169.6	26.00	3.473	143.4	21.04	2.926	120.4	16.88	2.421	84.1	10.72	1.520
0.95	392.0	59.72	8.961	184.4	27.40	4.210	137.5	21.44	3.123	114.3	17.02	2.555	78.2	11.40	1.570
1.00	204.9	31.77	5.190	177.4	27.59	4.488	138.6	22.14	3.497	106.6	17.75	2.834	72.2	11.84	1.595
1.10	422.8	73.95	12.958	179.6	32.49	5.498	117.7	23.82	3.586	86.5	18.15	2.572	60.0	12.03	1.554
1.20	291.1	56.08	10.619	104.6	20.16	3.810	80.2	16.54	2.912	59.8	14.61	2.122	48.3	11.47	1.423
1.30	107.9	23.37	4.521	73.7	17.18	3.148	59.9	14.50	2.562	46.8	13.60	1.942	39.8	11.34	1.390
1.40	114.3	26.21	5.676	63.5	18.13	3.146	54.2	16.52	2.871	43.0	14.46	2.066	36.0	11.26	1.505
1.50	173.3	42.34	9.879	73.8	18.71	4.201	57.0	16.72	3.238	42.5	14.30	2.327	34.3	10.96	1.604
1.60	76.7	19.65	4.972	67.8	17.66	4.393	54.6	15.33	3.522	40.4	12.86	2.538	32.2	10.45	1.662
1.70	75.2	20.99	5.506	63.1	18.71	4.615	49.6	15.43	3.611	35.9	11.40	2.547	29.7	9.76	1.670
1.80	113.9	33.10	9.351	68.0	20.02	5.569	50.4	14.73	4.107	36.4	12.17	2.702	27.0	9.23	1.736
1.90	74.6	25.80	6.820	66.1	20.38	6.039	54.1	17.74	4.920	38.7	12.85	3.475	25.7	9.41	1.947
2.00	138.7	46.07	8.871	87.7	30.76	8.871	64.7	22.71	6.514	42.7	14.38	4.240	25.3	9.45	2.150
2.20	115.1	41.85	14.111	69.7	26.22	8.530	56.0	21.24	6.823	39.7	15.92	4.726	23.9	9.60	2.362
2.40	68.0	28.19	9.927	44.7	18.89	6.514	36.5	15.67	5.288	28.6	12.75	3.759	21.6	9.27	2.329
2.60	47.7	21.46	8.169	34.6	17.80	5.921	27.8	15.74	4.713	21.3	13.17	3.442	18.6	9.61	2.199
2.80	37.8	23.53	7.515	27.7	19.30	5.498	21.8	16.55	4.256	16.0	13.38	2.937	15.5	9.80	2.137
3.00	34.0	18.75	7.747	23.1	15.14	5.256	17.9	13.06	4.018	14.0	11.21	3.010	12.9	9.64	2.157
3.20	21.9	15.41	5.672	16.3	12.15	4.219	13.7	11.11	3.510	11.7	9.68	2.779	11.2	9.36	2.139
3.40	15.4	11.63	4.505	13.2	9.98	3.848	11.6	9.20	3.322	9.4	8.61	2.558	9.9	9.12	2.095
3.60	10.7	10.97	3.497	8.8	9.83	2.853	8.3	9.43	2.620	7.8	9.19	2.281	8.9	8.97	2.042
3.80	11.2	12.07	4.091	8.8	10.92	3.187	7.7	10.19	2.711	7.2	9.46	2.313	8.1	8.87	1.989
4.00	7.8	10.80	3.179	6.3	10.25	2.525	6.1	9.84	2.344	6.2	9.32	2.152	7.5	8.76	1.933

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

RESPONSE SPECTRUM

RECORD = S-1202 COMPONENT = WEST SIGNAL = GR. ACC. CORRECTION = STATION = HACHINOHE-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 72.69 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 20.00 (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	141.8	0.83	0.009	79.8	0.23	0.005	78.9	0.20	0.005	78.3	0.20	0.005	78.1	0.20	0.005
0.10	766.1	11.65	0.194	169.6	2.31	0.043	141.0	1.62	0.036	131.0	1.25	0.033	111.0	0.99	0.027
0.15	826.0	19.49	0.471	294.0	4.62	0.168	197.0	3.17	0.127	174.2	4.98	0.170	135.2	2.22	0.067
0.20	737.2	22.96	0.747	343.2	9.82	0.346	237.5	6.59	0.340	174.2	7.00	0.280	114.5	3.10	0.108
0.25	544.1	20.72	0.861	265.9	9.42	0.419	217.2	8.54	0.545	180.5	7.00	0.280	110.8	3.60	0.158
0.30	855.3	40.11	1.950	348.3	16.16	0.795	248.4	10.51	0.562	162.8	4.53	0.364	108.0	3.95	0.229
0.35	307.9	17.12	0.955	251.7	14.27	0.779	215.3	12.07	0.664	170.2	9.20	0.519	113.3	5.12	0.320
0.40	400.0	26.74	1.621	234.6	15.46	0.948	184.5	12.22	0.745	135.6	8.87	0.540	105.7	5.35	0.383
0.45	323.0	22.52	1.657	221.6	15.70	1.136	164.2	11.92	0.837	135.1	8.175	0.679	95.8	6.12	0.431
0.50	460.9	36.29	2.918	250.1	21.11	1.579	191.0	16.07	1.202	131.9	11.22	0.814	82.3	6.55	0.445
0.55	464.2	40.15	3.557	166.0	14.02	1.268	138.8	11.64	1.056	107.0	9.78	0.799	65.2	6.35	0.431
0.60	404.9	38.27	3.693	163.2	15.01	1.485	116.3	11.44	1.056	85.4	8.60	0.768	57.6	5.71	0.485
0.65	470.0	48.88	5.030	185.9	20.11	1.986	135.8	13.97	1.447	96.0	9.92	1.011	56.5	5.70	0.551
0.70	210.9	25.25	2.618	142.1	16.98	1.759	117.4	12.34	1.445	89.0	8.89	1.070	55.8	5.55	0.636
0.75	231.1	27.35	3.293	115.7	12.84	1.646	94.3	10.81	1.337	75.3	8.87	1.057	57.2	6.12	0.744
0.80	199.1	24.98	3.229	110.6	13.10	1.792	97.9	12.07	1.581	78.6	9.82	1.251	58.4	6.72	0.859
0.85	165.0	21.51	3.020	117.4	14.98	2.147	105.2	13.43	1.824	83.3	11.26	1.506	60.0	7.32	0.989
0.90	350.1	49.56	7.183	176.7	25.93	3.620	136.0	20.14	3.779	98.4	14.21	1.984	61.7	7.78	1.132
0.95	446.4	67.44	10.205	218.9	30.54	4.998	185.5	21.93	5.494	105.4	15.12	2.364	62.6	8.58	1.266
1.00	190.4	28.89	4.822	181.6	28.14	4.595	154.1	22.81	3.888	106.3	15.51	2.645	61.7	9.12	1.385
1.10	281.0	50.49	8.614	170.7	30.42	5.224	129.6	22.95	3.953	93.0	16.12	2.771	56.0	9.44	1.577
1.20	115.7	23.29	4.220	86.7	17.04	3.160	69.6	14.74	2.525	63.9	13.78	2.263	52.0	9.60	1.699
1.30	116.9	23.23	5.006	69.4	13.21	2.967	56.2	12.19	2.393	51.9	12.54	2.167	48.4	9.86	1.833
1.40	119.6	27.18	5.937	77.5	18.71	3.841	63.3	16.07	3.130	50.7	13.34	2.465	46.2	9.96	2.015
1.50	150.9	34.60	8.603	102.2	23.03	5.819	79.8	17.86	4.522	58.5	12.86	3.269	44.5	10.34	2.229
1.60	173.8	45.93	11.269	107.5	25.86	6.961	84.6	20.25	5.462	63.1	15.19	4.011	42.6	11.03	2.431
1.70	203.1	55.29	14.871	134.3	36.62	9.816	96.9	26.11	7.056	64.4	17.85	4.634	40.1	11.56	2.571
1.80	263.0	75.00	21.589	140.6	42.78	11.529	94.5	29.51	7.726	63.6	18.75	5.101	38.3	11.79	2.626
1.90	160.0	49.00	14.635	105.2	33.15	9.604	82.5	25.91	7.507	58.0	19.24	5.181	37.1	11.62	2.680
2.00	140.6	45.62	14.548	95.5	32.29	9.665	74.6	26.22	7.511	51.7	19.61	5.114	35.6	11.44	2.809
2.20	129.3	45.43	15.732	76.2	30.93	9.333	60.0	25.02	7.280	43.5	18.45	5.118	31.5	11.12	2.893
2.40	44.1	23.17	6.439	38.4	21.65	5.586	34.4	19.97	4.985	29.5	17.03	4.139	25.9	11.89	2.739
2.60	26.3	15.62	4.511	24.7	16.71	4.224	22.9	16.84	3.879	21.5	15.85	3.580	20.7	12.01	2.450
2.80	37.2	21.46	7.380	25.9	18.79	5.137	23.3	17.10	4.599	19.9	15.06	3.815	16.3	11.75	2.464
3.00	33.3	17.95	7.603	26.7	15.30	6.076	32.5	13.07	5.064	17.5	13.20	3.859	14.0	11.25	2.424
3.20	23.7	17.25	6.143	18.1	14.75	4.678	15.5	14.34	3.945	13.4	10.80	3.260	12.0	10.65	2.308
3.40	18.1	13.43	5.302	15.0	11.67	4.376	12.8	10.59	3.698	10.4	9.54	2.800	10.2	10.12	2.149
3.60	14.1	11.98	4.632	12.0	10.58	3.941	10.4	9.60	3.404	8.8	8.70	2.703	8.7	9.76	1.997
3.80	9.5	9.60	3.491	8.6	8.84	3.124	8.0	8.78	2.871	7.1	9.00	2.428	6.1	9.54	1.886
4.00	6.8	10.58	2.756	6.3	9.93	2.550	6.1	9.58	2.394	5.6	9.33	2.137	7.6	9.41	1.820

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

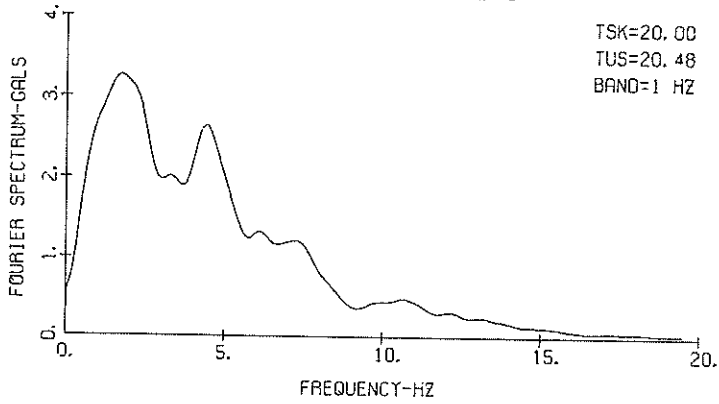
RESPONSE SPECTRUM

RECORD = S-1202 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = STATION = HACHINOHE-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 35.98 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 20.00 (SEC)

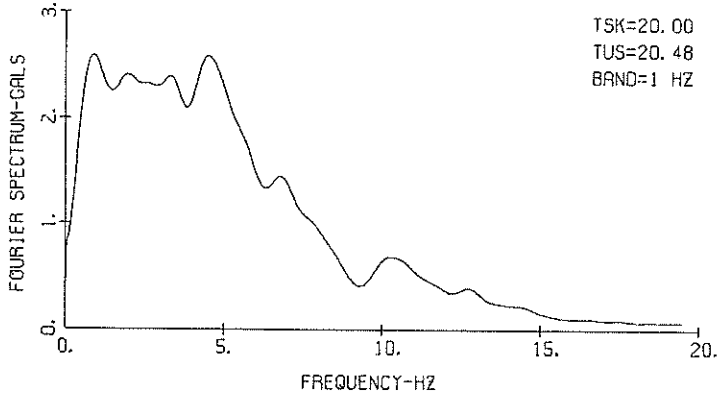
PER	DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	
0.05	50.1	0.37	0.003	43.0	0.12	0.003	42.9	0.11	0.003	42.8	0.11	0.003	42.2	0.10	0.003	
0.10	261.8	4.03	0.066	115.4	1.61	0.029	98.9	1.25	0.025	79.1	0.89	0.020	55.7	0.54	0.013	
0.15	532.9	12.64	0.304	174.9	3.90	0.100	130.2	2.90	0.075	90.4	2.02	0.052	52.9	1.09	0.027	
0.20	282.7	8.76	0.286	115.3	3.57	0.117	88.5	2.57	0.089	80.2	2.21	0.080	56.2	1.28	0.053	
0.25	399.4	14.45	0.632	172.2	6.47	0.273	121.4	4.48	0.191	77.8	2.95	0.121	51.0	1.60	0.071	
0.30	186.2	8.48	0.424	97.0	4.58	0.221	75.5	3.57	0.171	53.7	2.54	0.120	38.5	1.55	0.077	
0.35	151.1	8.21	0.469	90.2	4.89	0.280	72.6	3.93	0.224	52.1	2.83	0.158	34.1	1.71	0.094	
0.40	204.9	12.65	0.831	71.3	4.04	0.288	55.1	3.27	0.222	44.7	2.78	0.180	34.8	1.94	0.135	
0.45	156.1	10.99	0.801	93.7	6.49	0.480	71.7	4.87	0.365	48.2	3.37	0.242	38.3	2.14	0.183	
0.50	258.9	20.53	1.639	89.1	7.33	0.564	70.3	5.37	0.444	56.1	3.98	0.349	40.3	2.40	0.231	
0.55	202.1	17.73	1.548	94.1	7.84	0.721	77.8	6.39	0.594	58.9	4.65	0.444	40.1	2.58	0.273	
0.60	197.1	18.65	1.798	86.7	7.86	0.789	76.2	7.15	0.691	62.0	5.54	0.555	38.4	2.84	0.315	
0.65	174.2	17.93	1.865	98.0	10.36	1.049	79.6	8.27	0.847	61.2	5.99	0.641	37.8	3.18	0.353	
0.70	128.1	13.52	1.590	73.2	8.10	0.909	69.3	7.71	0.856	55.2	5.86	0.671	34.7	3.39	0.370	
0.75	352.6	41.91	5.024	116.6	13.91	1.659	80.2	9.31	1.438	54.6	6.05	0.764	30.5	3.43	0.388	
0.80	263.5	33.42	4.272	135.1	17.09	2.188	87.2	10.96	1.406	55.1	6.58	0.876	29.3	3.48	0.429	
0.85	104.9	14.51	1.919	68.7	9.64	1.235	60.5	8.32	1.100	46.4	6.30	0.829	28.3	3.54	0.452	
0.90	112.4	16.57	2.306	62.0	8.07	1.271	51.8	6.76	1.056	39.9	5.42	0.799	27.6	3.66	0.484	
0.95	121.0	19.16	2.766	79.2	12.17	1.807	56.7	8.58	1.290	37.4	5.97	0.839	26.2	3.69	0.509	
1.00	147.5	23.82	3.737	73.9	11.88	1.870	53.0	9.08	1.333	36.5	6.15	0.899	24.5	3.65	0.527	
1.10	97.2	17.32	2.980	51.5	9.55	1.578	35.6	7.36	1.085	28.2	5.59	0.848	20.6	3.85	0.544	
1.20	122.3	23.01	4.462	44.5	9.44	1.620	29.5	6.24	1.071	23.7	5.22	0.851	17.4	3.88	0.551	
1.30	77.1	16.93	3.300	35.8	8.27	1.530	25.0	5.96	1.061	19.2	4.56	0.810	15.0	3.92	0.564	
1.40	31.3	7.56	1.553	20.4	5.75	1.011	19.5	5.75	0.960	17.0	5.22	0.829	14.2	3.95	0.532	
1.50	53.6	13.21	3.053	29.0	8.82	1.651	22.3	7.32	1.260	17.9	5.75	0.983	13.9	3.95	0.685	
1.60	32.8	9.42	2.129	30.0	8.47	1.941	26.1	7.34	1.681	19.7	5.49	1.241	13.2	4.02	0.730	
1.70	50.8	15.15	3.716	35.3	9.24	2.581	27.3	7.54	1.982	18.8	5.87	1.317	12.3	4.04	0.758	
1.80	37.4	20.22	5.529	32.1	11.68	2.635	23.5	9.04	1.916	17.0	6.34	1.357	11.6	3.97	0.805	
1.90	33.7	10.89	3.082	22.8	7.52	2.078	18.6	6.93	1.693	14.7	6.54	1.288	11.0	3.82	0.857	
2.00	16.8	5.83	1.707	14.5	5.27	1.467	13.7	5.13	1.373	13.0	4.75	1.251	10.5	3.61	0.889	
2.20	14.8	6.10	1.811	12.3	5.29	1.503	11.3	4.88	1.371	10.5	4.49	1.208	9.4	3.56	0.908	
2.40	9.0	5.60	1.319	8.7	5.23	1.267	8.4	4.95	1.214	8.2	4.52	1.117	8.2	3.68	0.891	
2.60	5.6	4.32	0.961	5.9	4.44	1.011	6.1	4.65	1.026	6.4	4.32	1.003	7.2	3.71	0.856	
2.80	5.7	4.51	1.124	5.3	4.53	1.047	5.1	4.35	0.997	5.2	4.20	0.933	6.2	3.70	0.814	
3.00	4.4	4.68	1.012	4.1	4.46	0.939	4.0	4.30	0.893	4.2	4.09	0.844	5.4	3.66	0.778	
3.20	3.8	4.00	0.975	3.3	4.10	0.894	3.0	4.03	0.768	3.3	3.90	0.731	4.8	3.61	0.728	
3.40	2.9	3.48	0.845	2.6	3.59	0.765	2.4	3.65	0.707	2.7	3.68	0.647	4.2	3.54	0.691	
3.60	1.7	3.12	0.581	1.8	3.31	0.581	1.8	3.42	0.586	2.2	3.53	0.622	3.5	3.48	0.661	
3.80	1.9	3.24	0.691	1.8	3.34	0.656	1.8	3.40	0.559	2.2	3.46	0.630	3.5	3.43	0.638	
4.00	2.0	3.56	0.824	1.8	3.51	0.733	1.8	3.48	0.679	2.0	3.46	0.630	3.2	3.39	0.618	

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

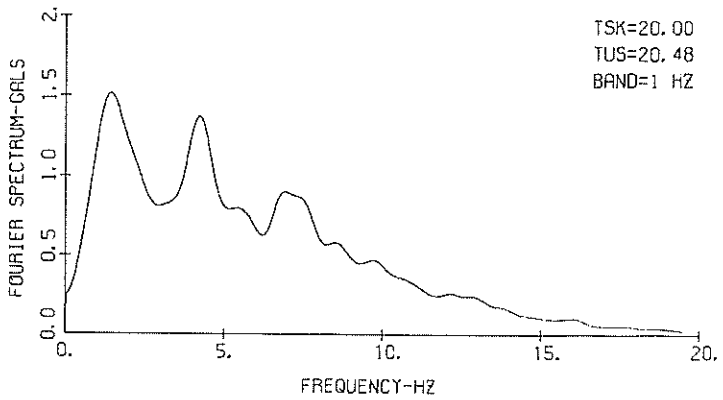
S-1202 SOUTH HACHINOHE-S



S-1202 WEST HACHINOHE-S



S-1202 DOWN HACHINOHE-S



FOURIER SPECTRA

RECORD NUMBER S-1191

STATION ONAHAMA-S

EARTHQUAKE DATA

```
*****
*
* DATE AND TIME 17:14 JUNE 12,1978 *
*
* LOCATION OF HYPOCENTER *
* EPICENTRAL REGION OFF MIYAGI PREF. *
* LATITUDE 38.15 N *
* LONGITUDE 142.17 E *
* DEPTH 40KM *
*
* MAGNITUDE 7.4 *
*
*****
```

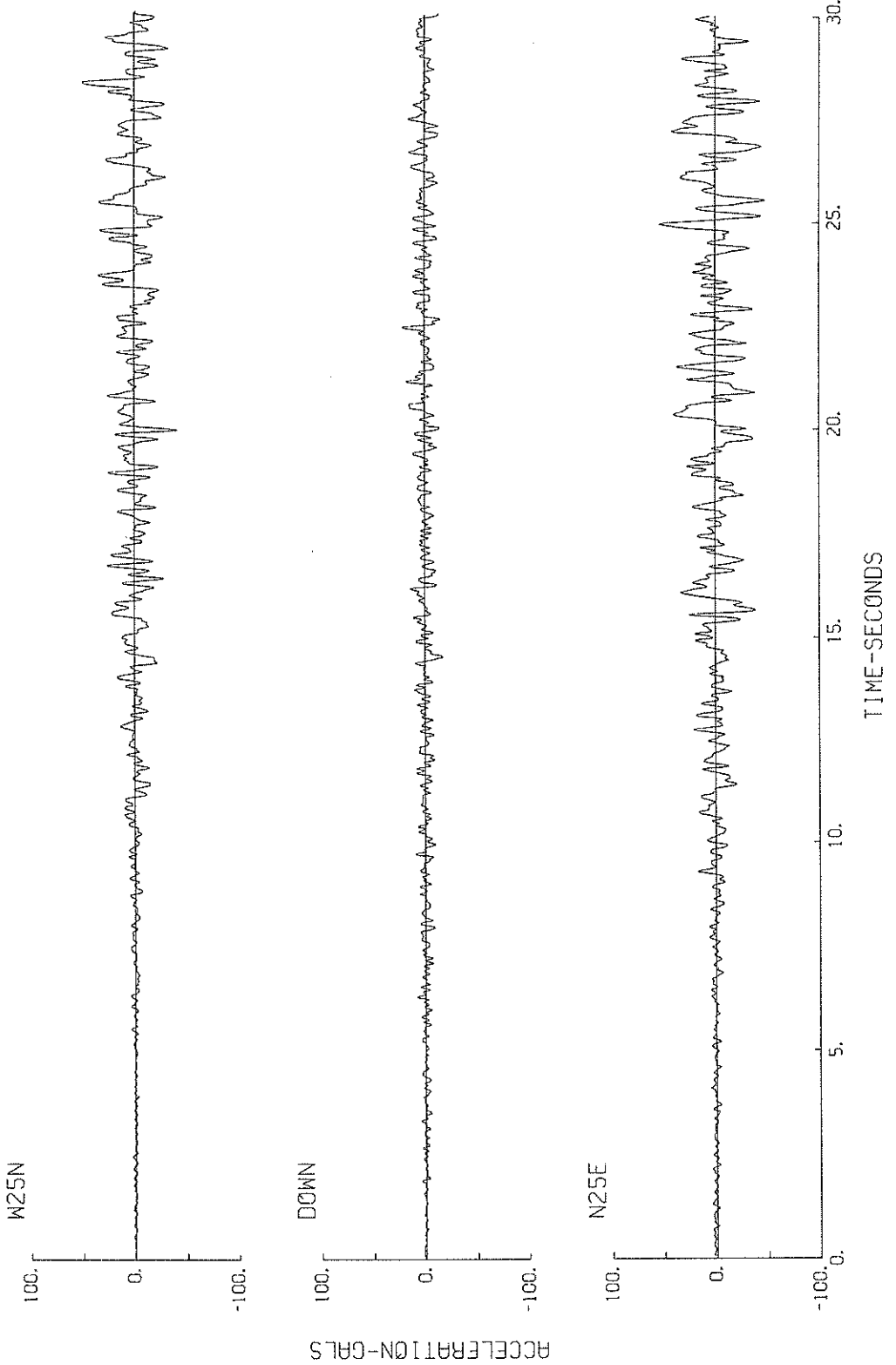
PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	W25N	N25E	DOWN
-----	-----	-----	-----
FC (HZ)	0.268	0.310	0.414
MAXIMUM ACCELERATION (GAL)			

ORIGINAL	49.7	53.7	24.1
SMAC-B2 EQUIVALENT			
CORRECTED	55.8	61.2	27.9
MAXIMUM VELOCITY (CM/SEC.)			

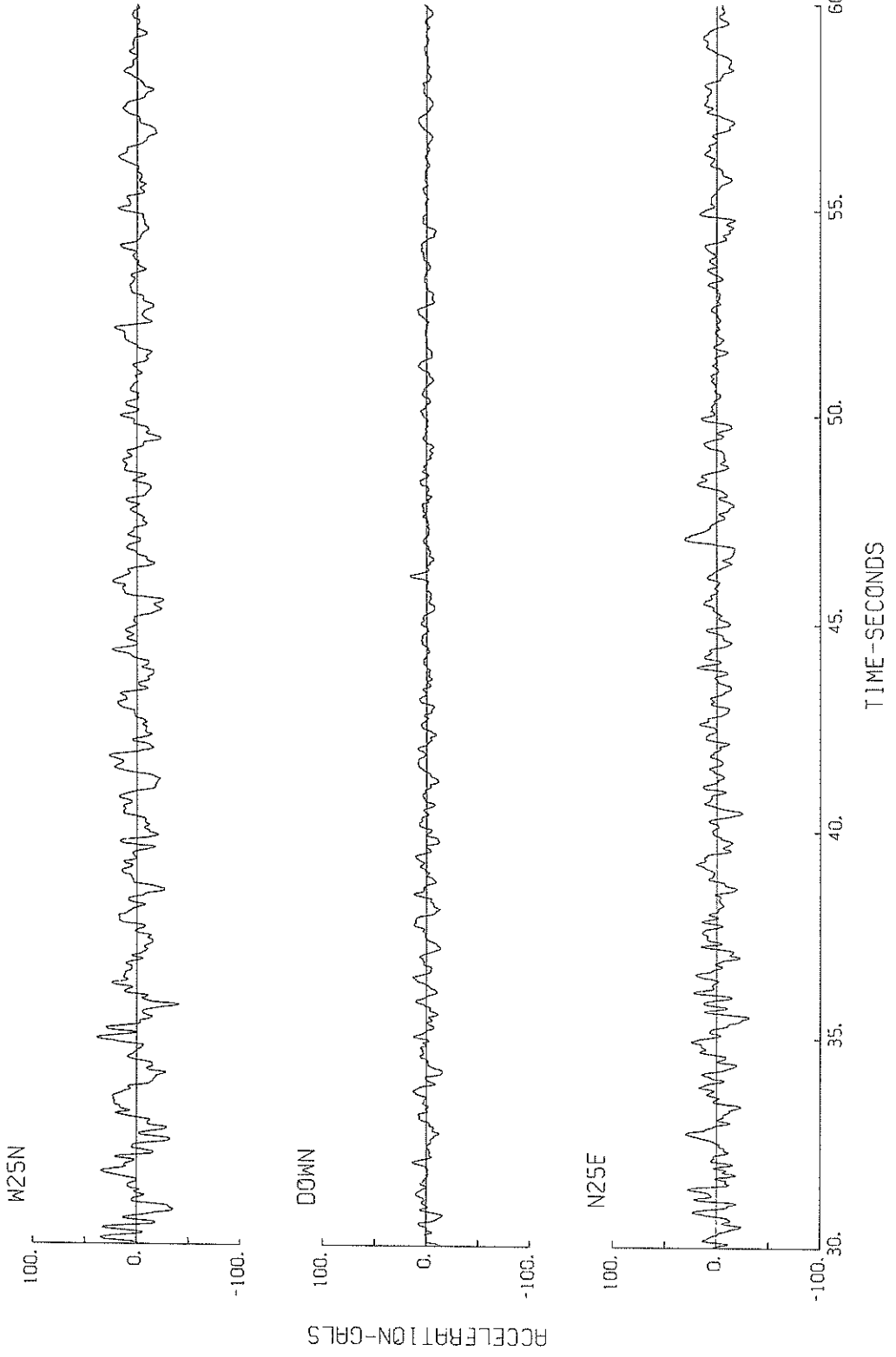
FIXED FILTER	6.92	6.93	2.34
VARIABLE FILTER	6.17	7.36	2.04
MAXIMUM DISPLACEMENT (CM)			

FIXED FILTER	1.65	1.52	0.73
VARIABLE FILTER	1.48	1.22	0.36

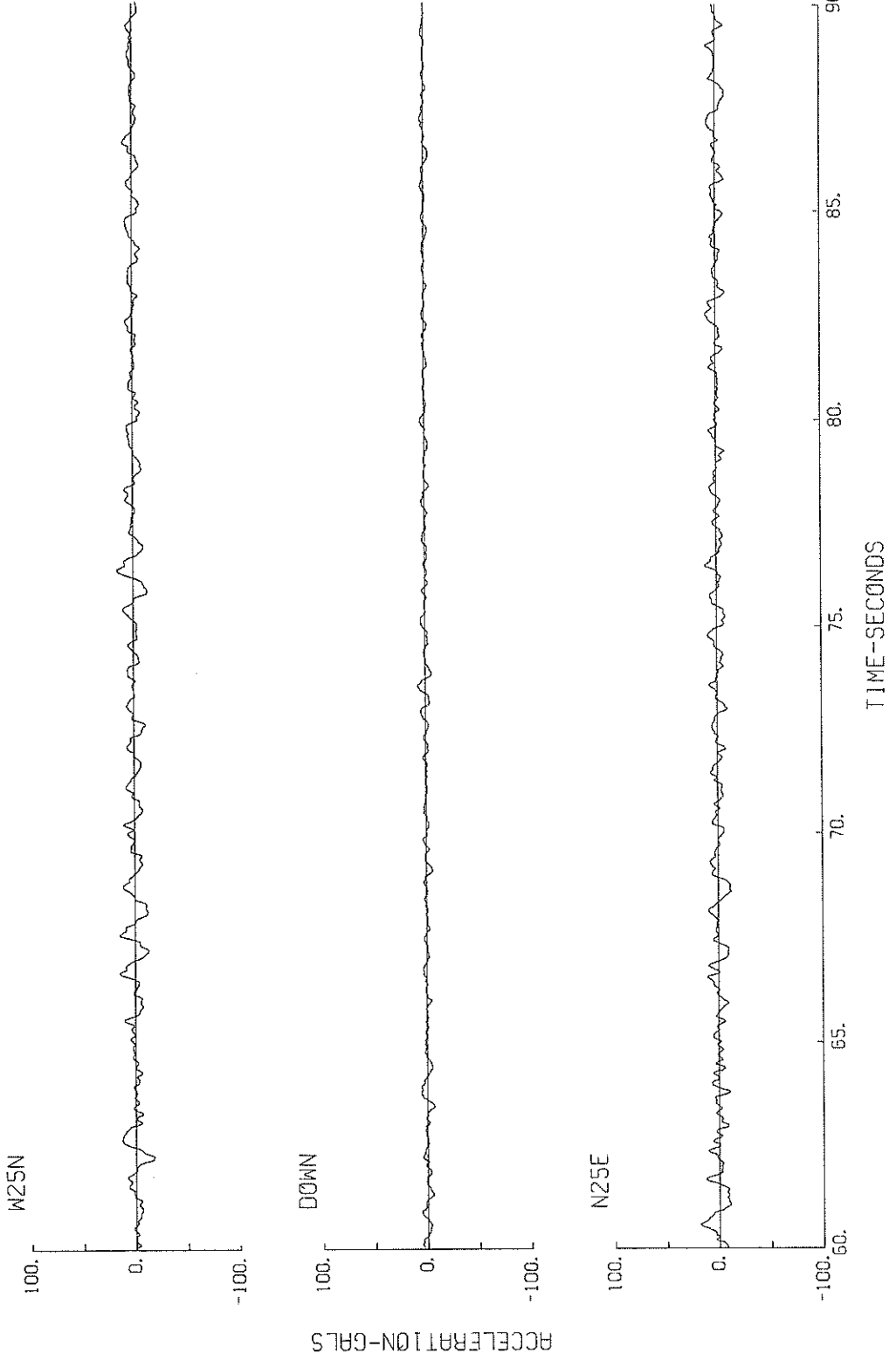
S-1191 ONAHAMA-S



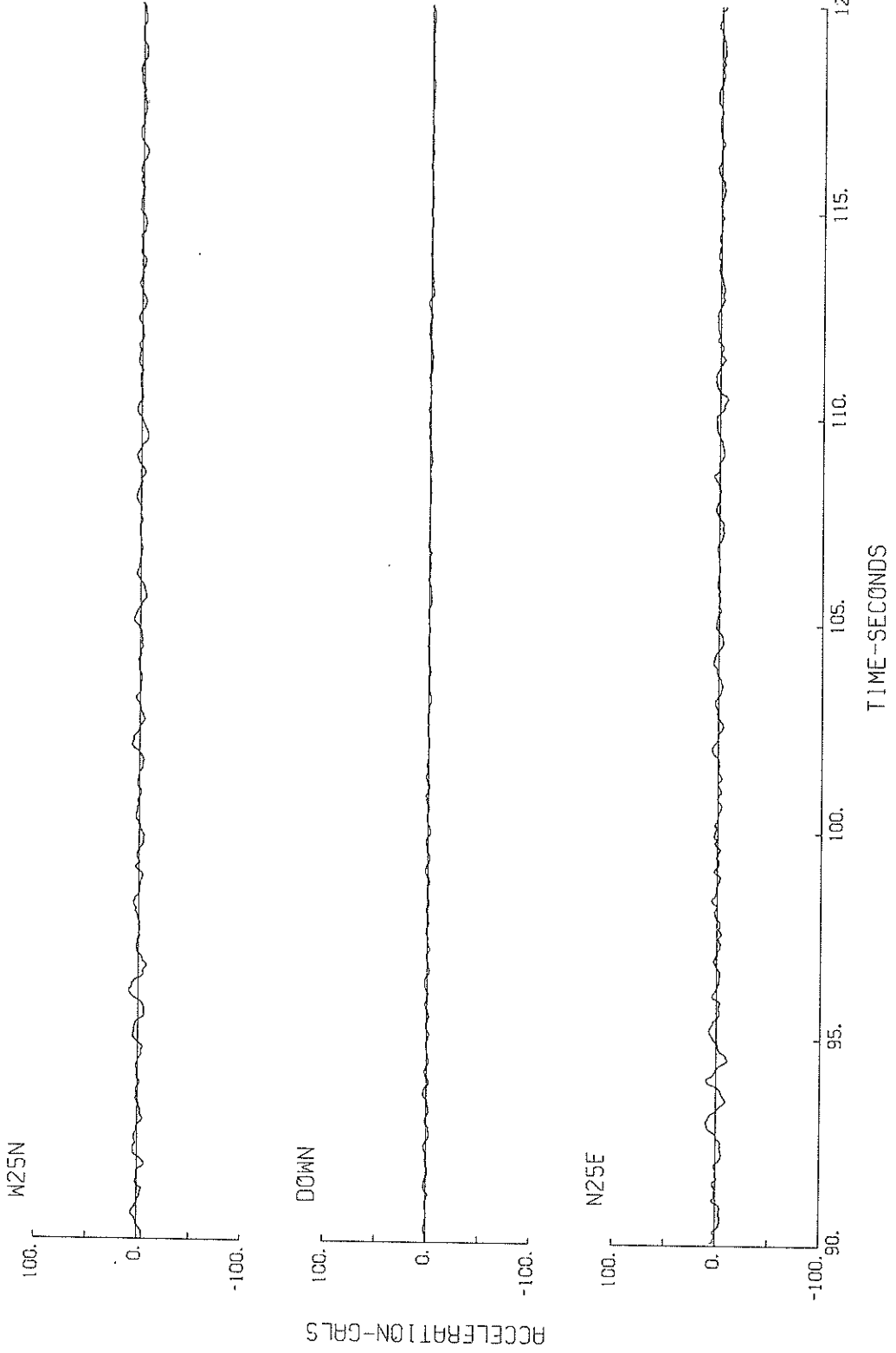
S-1191 ONAHAMA-S



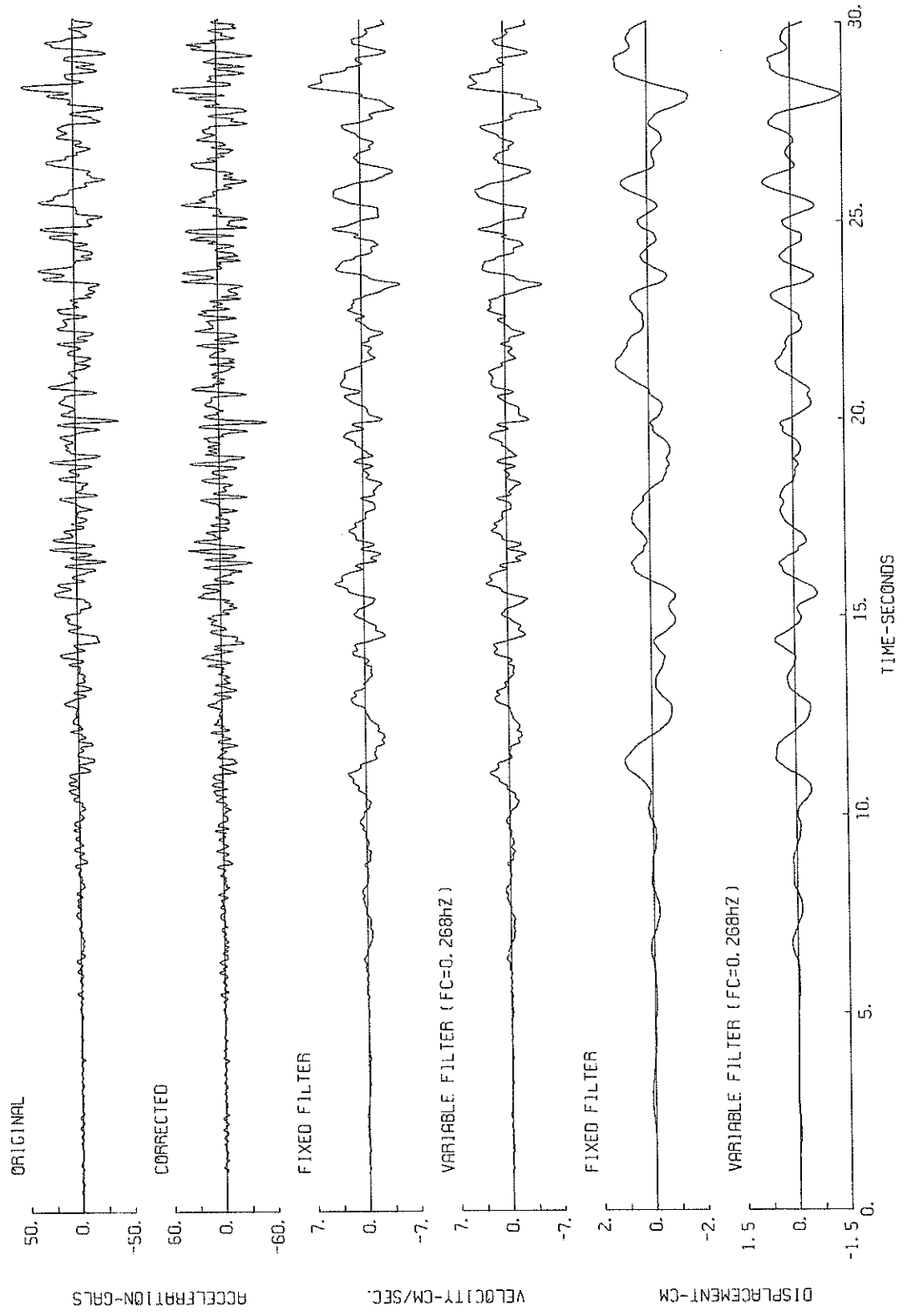
S-1191 ONAHAMA-S



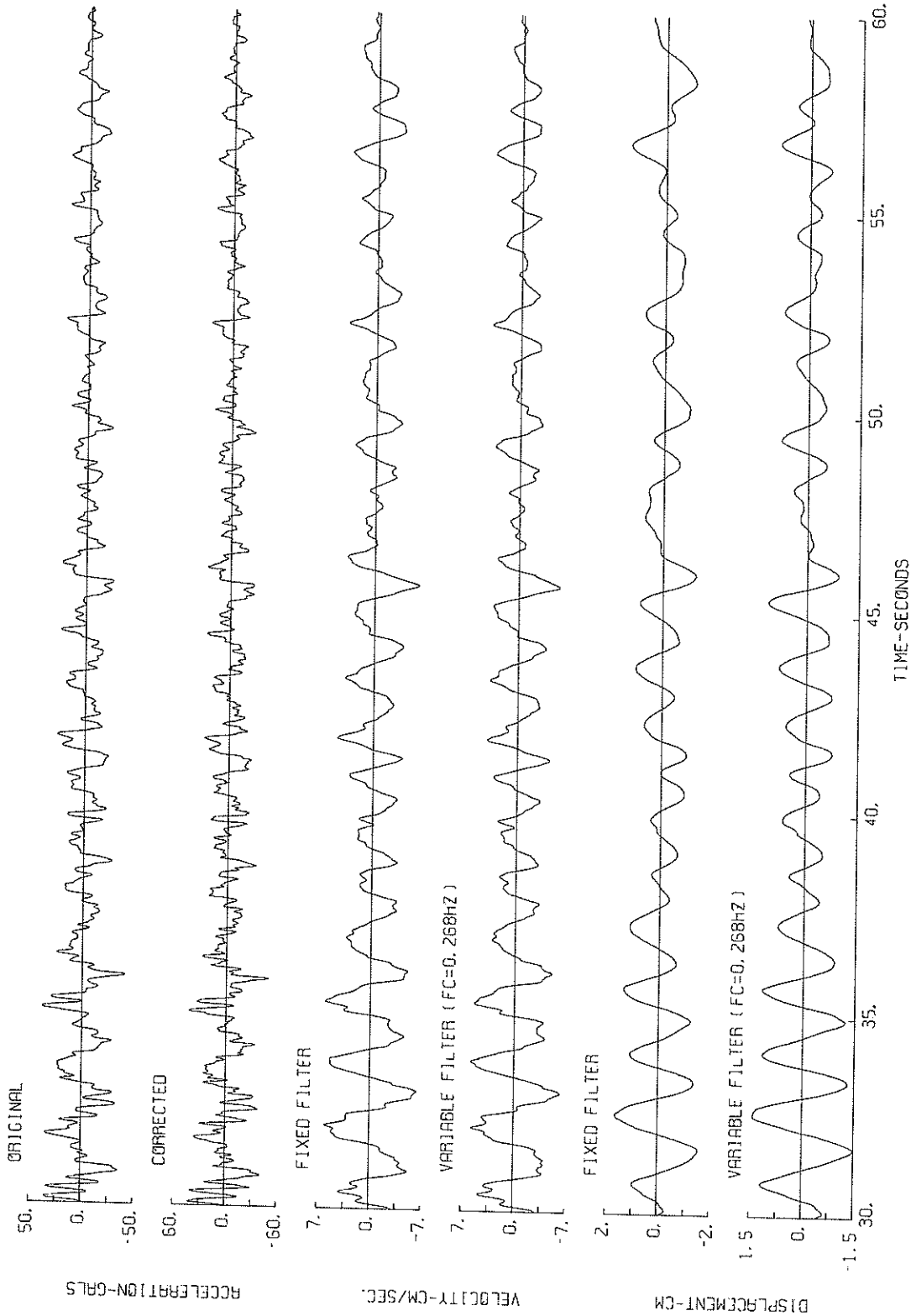
S-1191 ONAHAMA-S



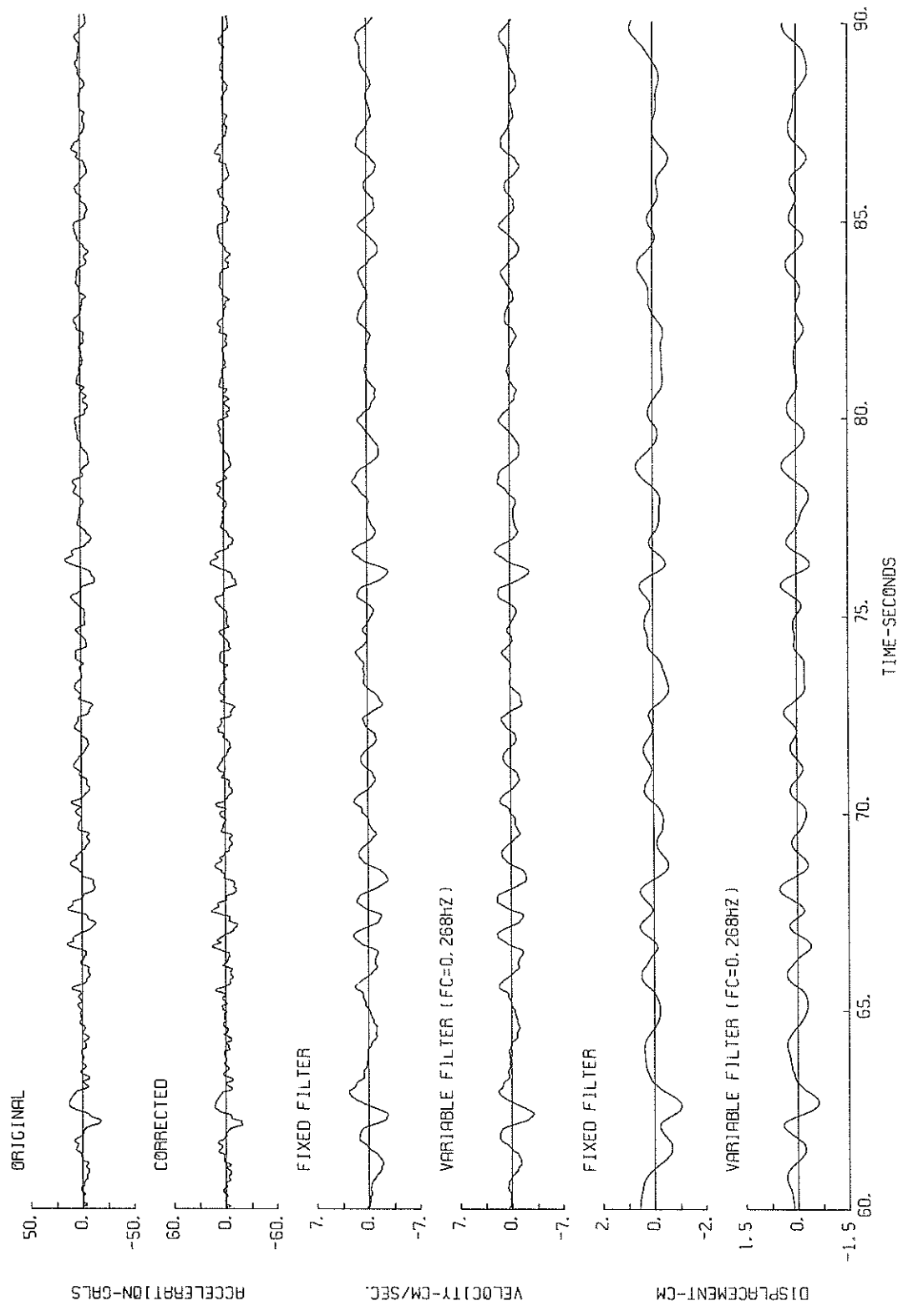
S-1191 W25N ONAHAMA-S



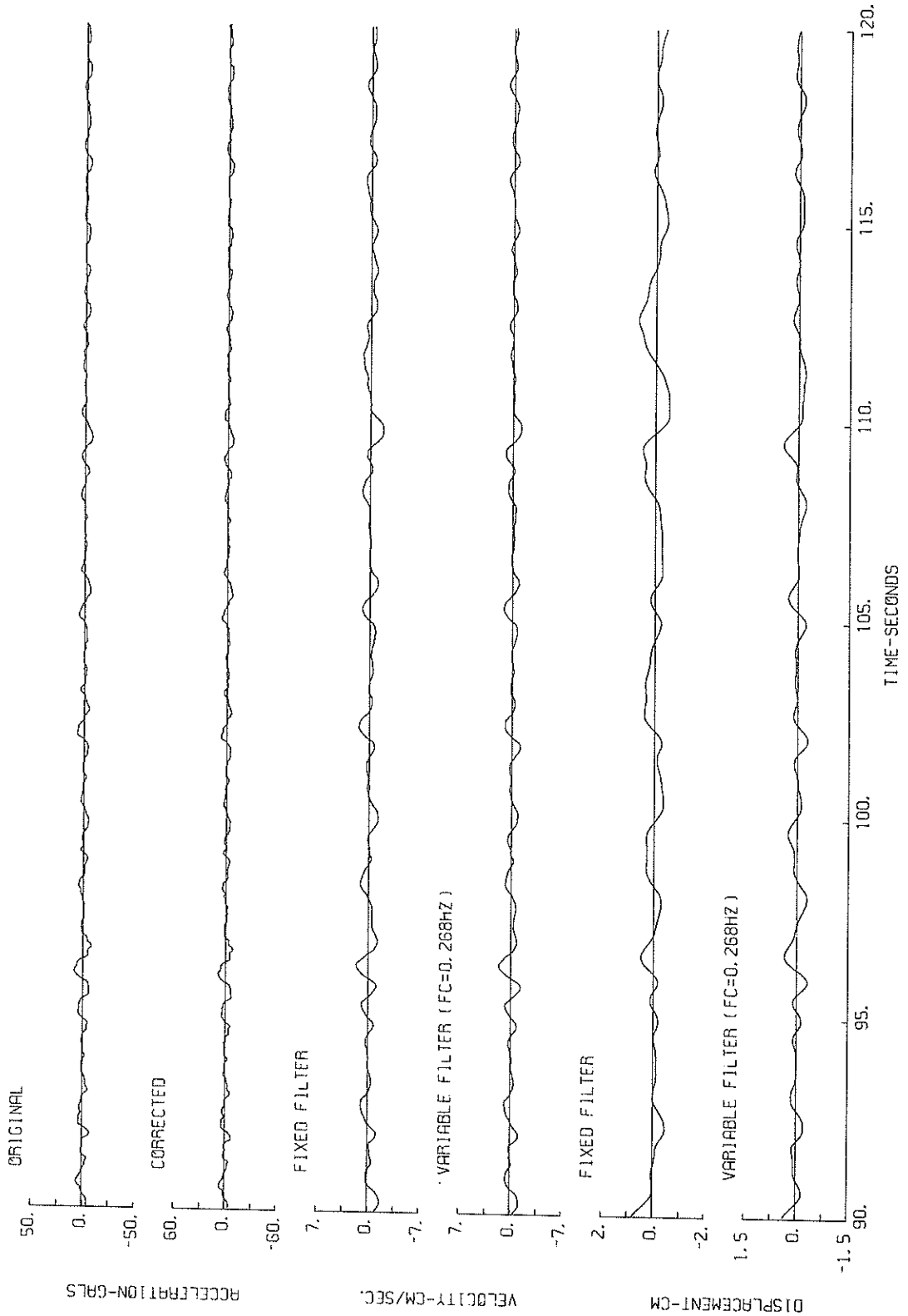
S-1191 W25N OAHAMA-S



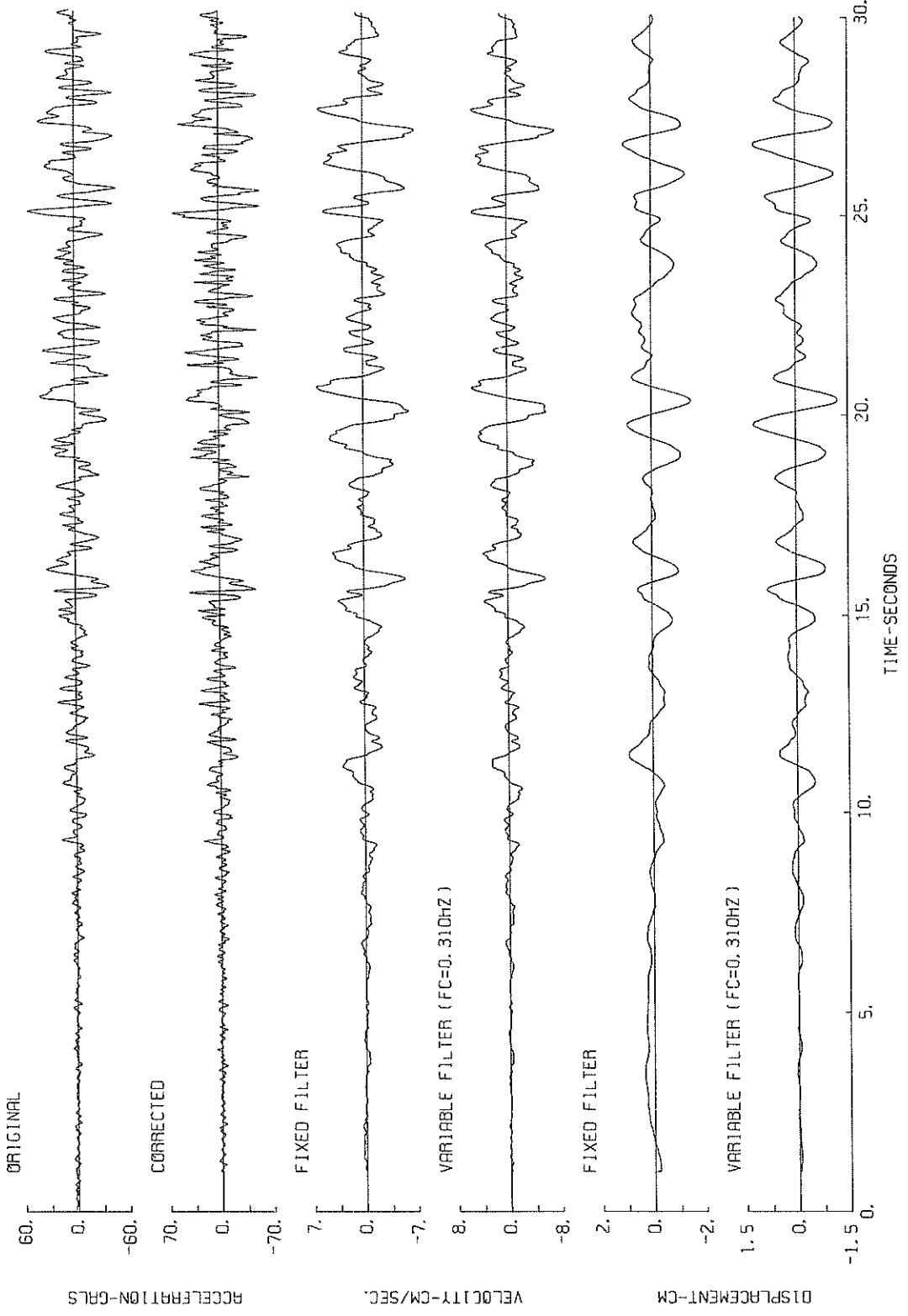
S-1191 W25N ONAHAMA-S



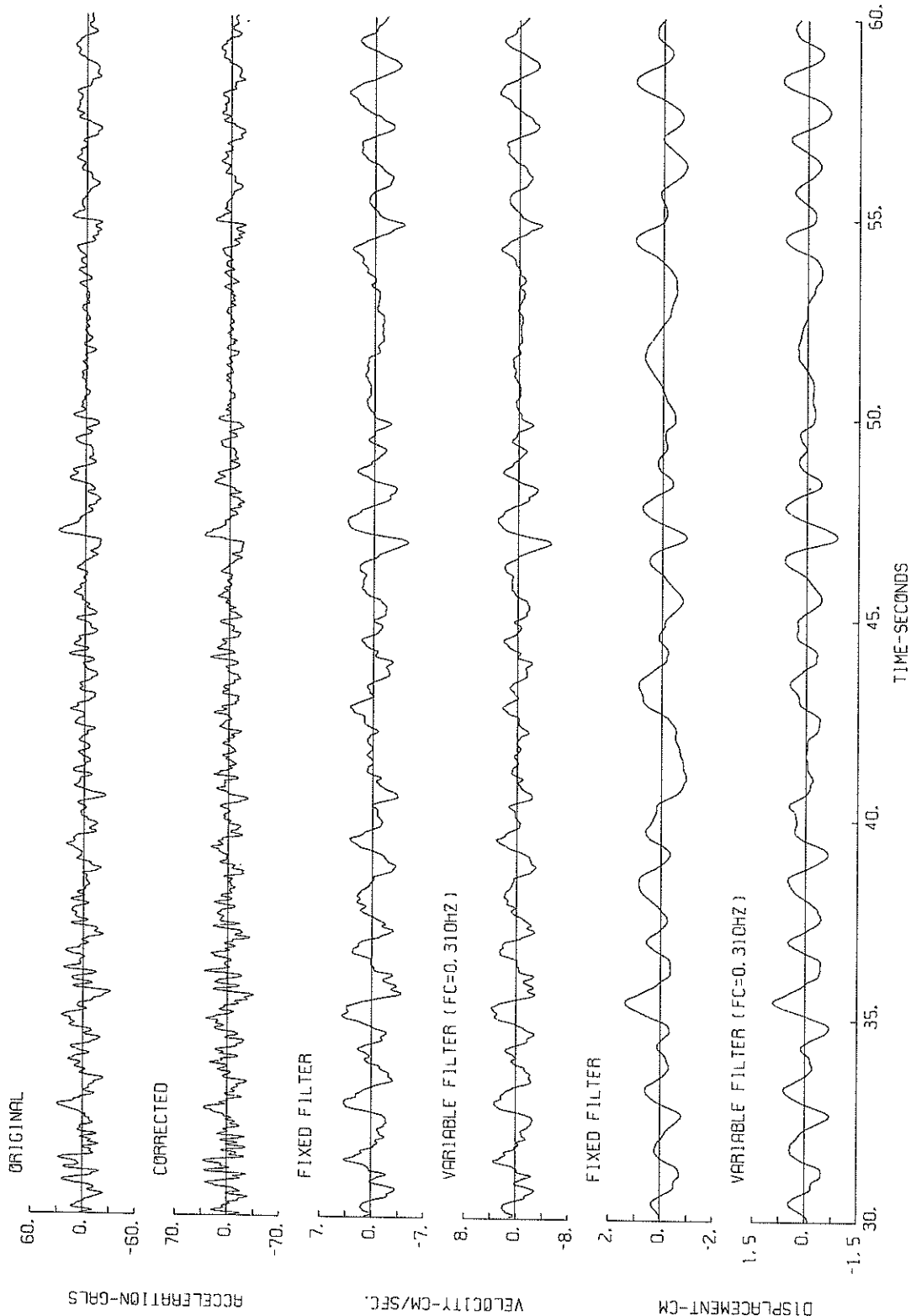
S-1191 W25N ONAHAMA-S



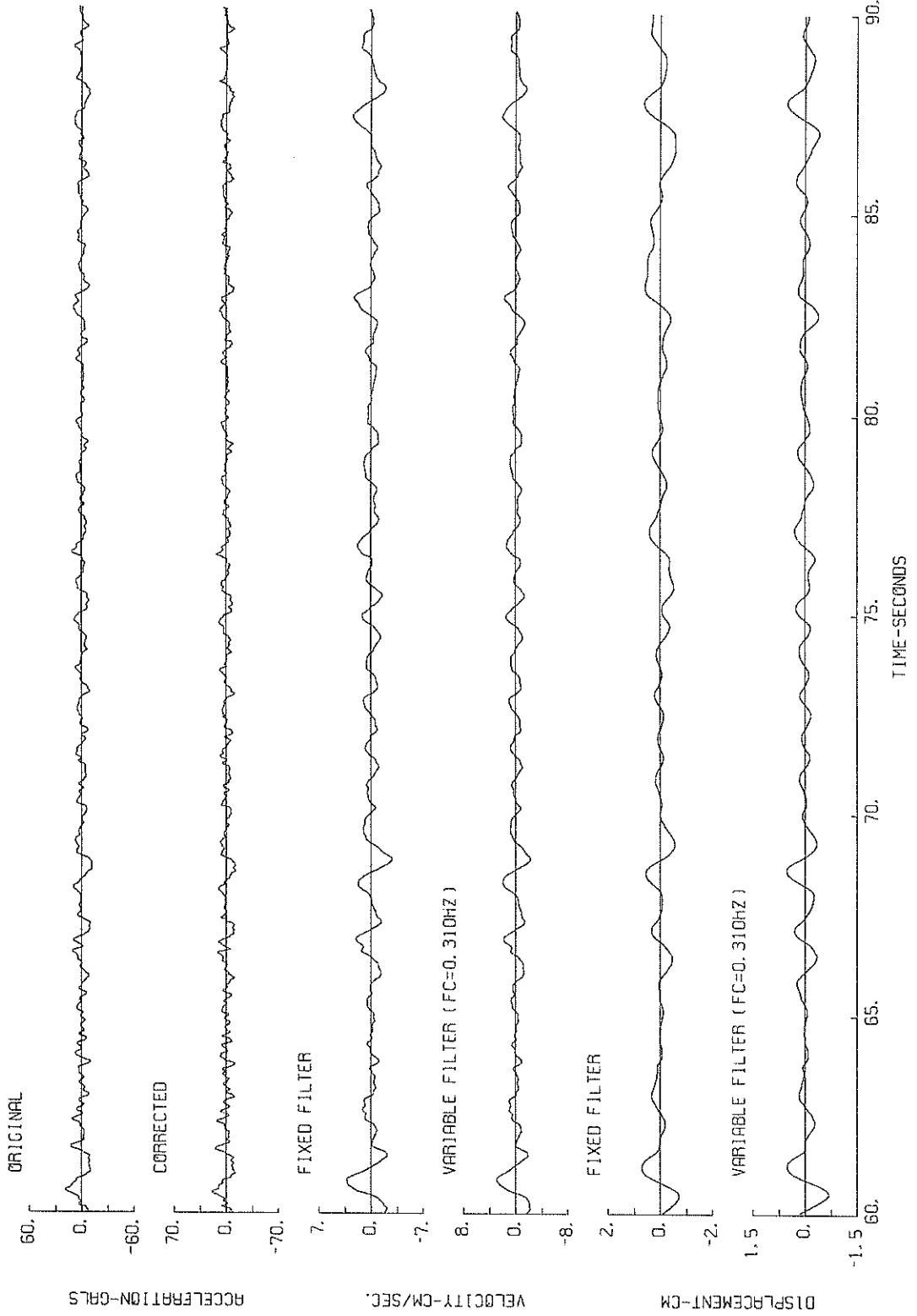
S-1191 N25E ONAHAMA-S



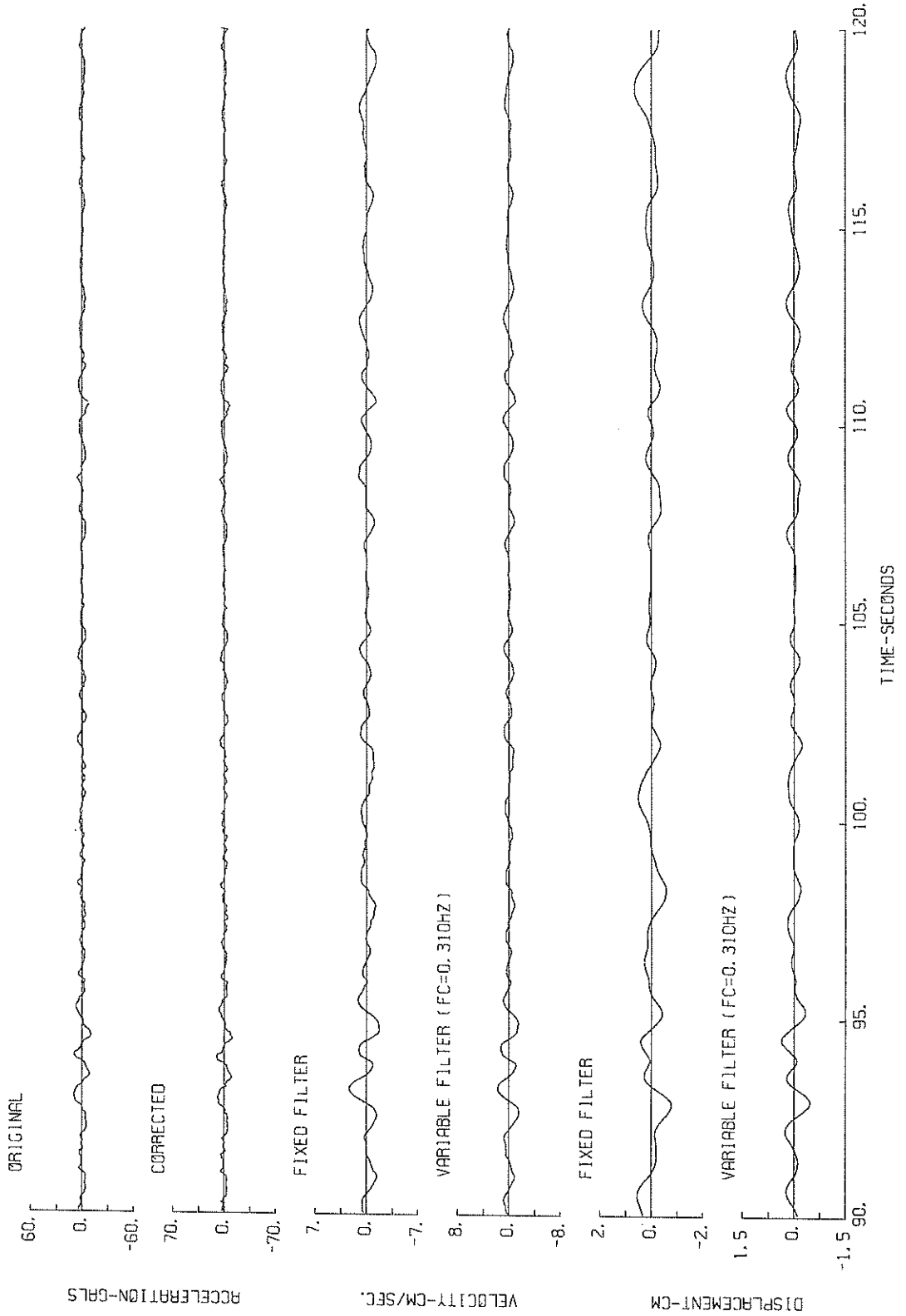
S-1191 N25E ONAHAMA-S



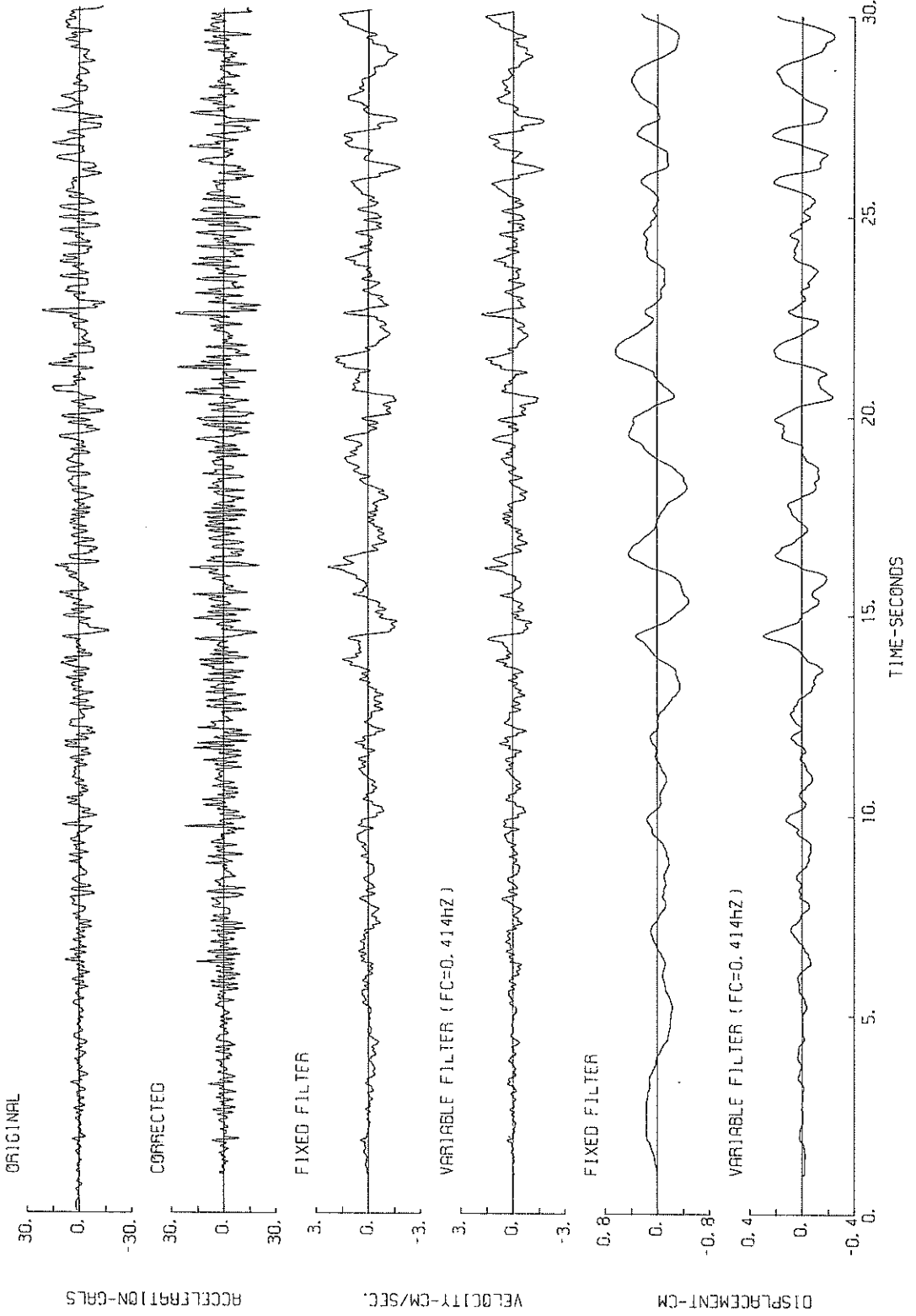
S-1191 N25E OAHAMA-S



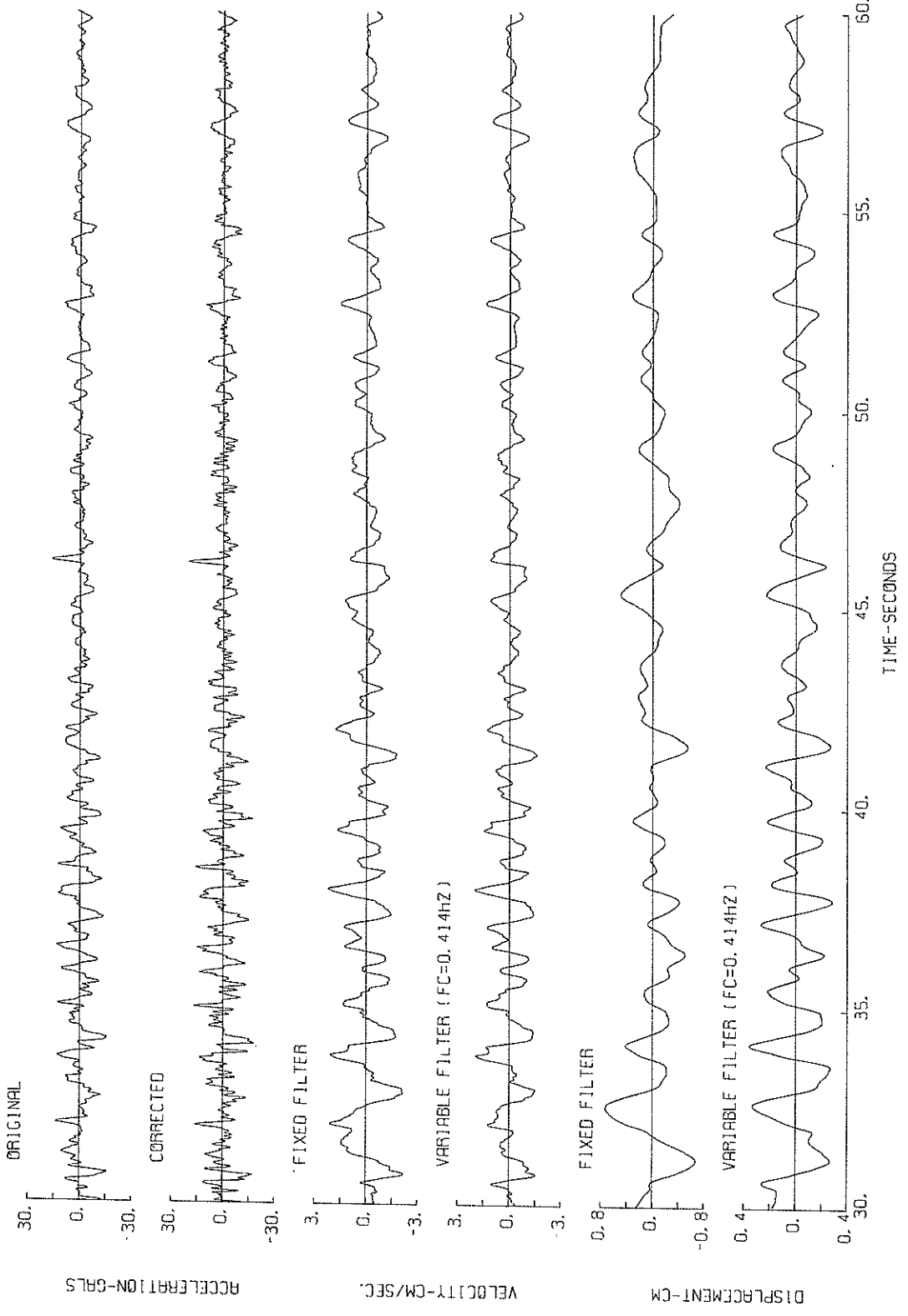
S-1191 N25E ONAHAMA-S



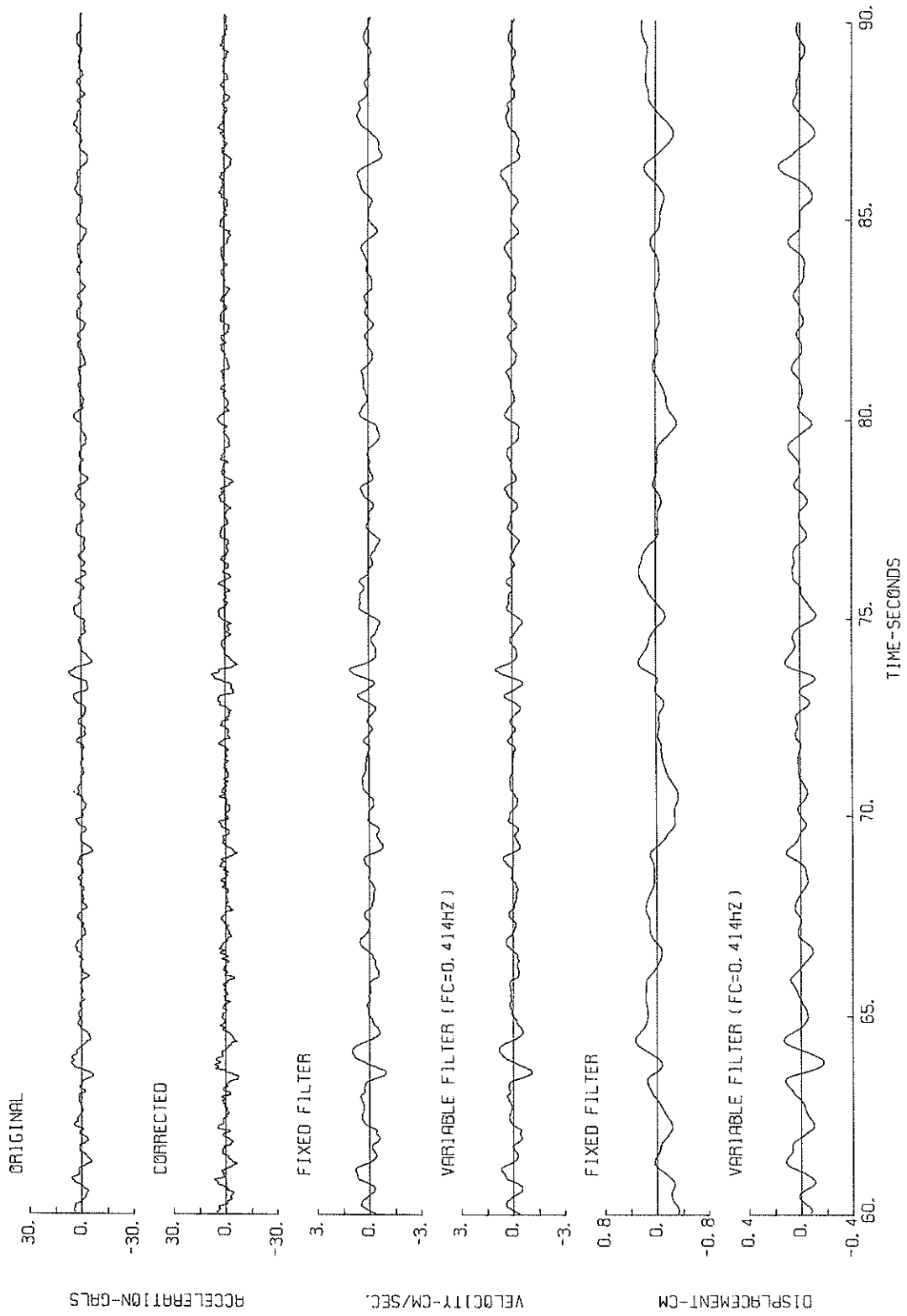
S-1191 DOWN ONAHAMA-S



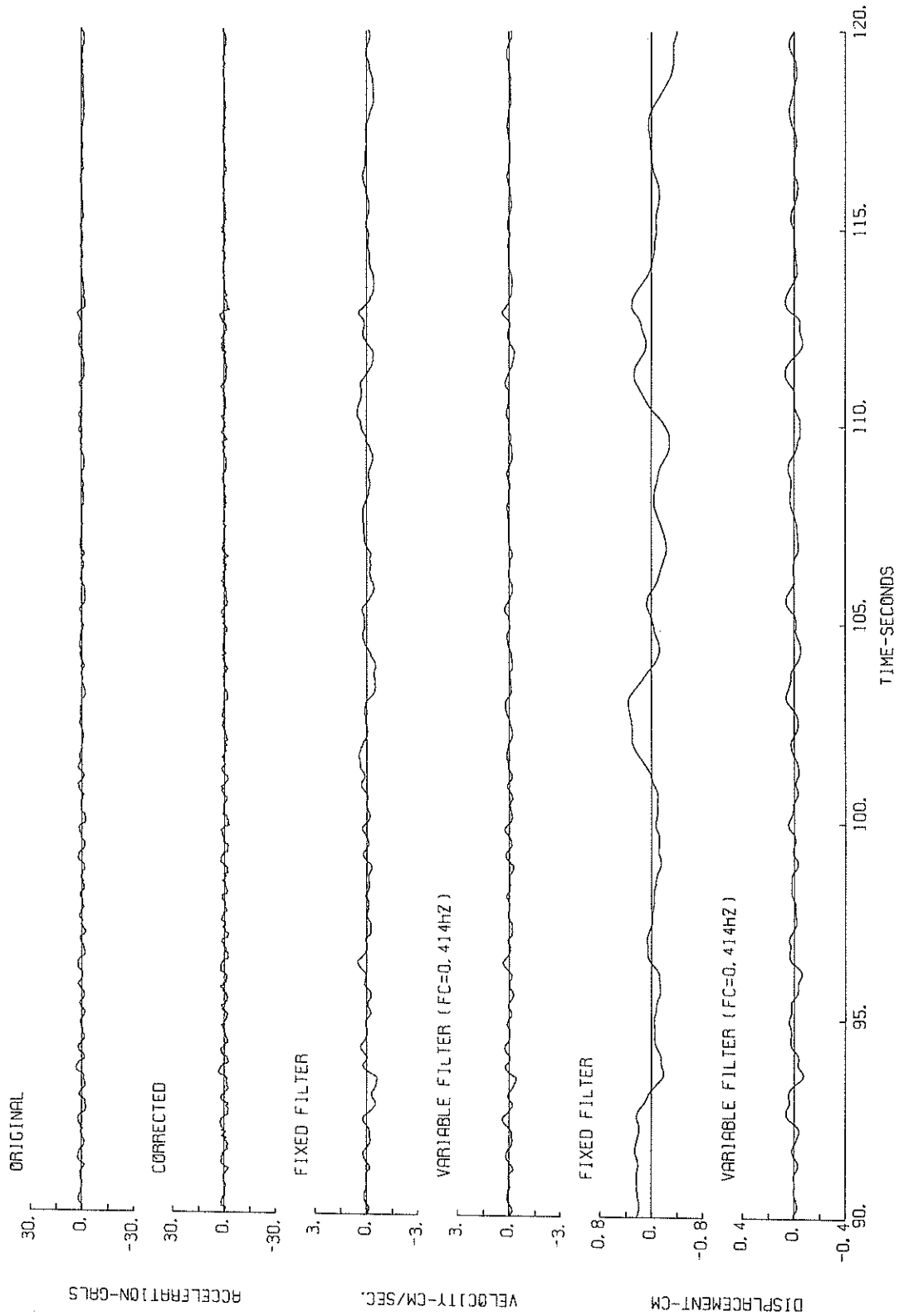
S-1191 DOWN ONAHAMA-S



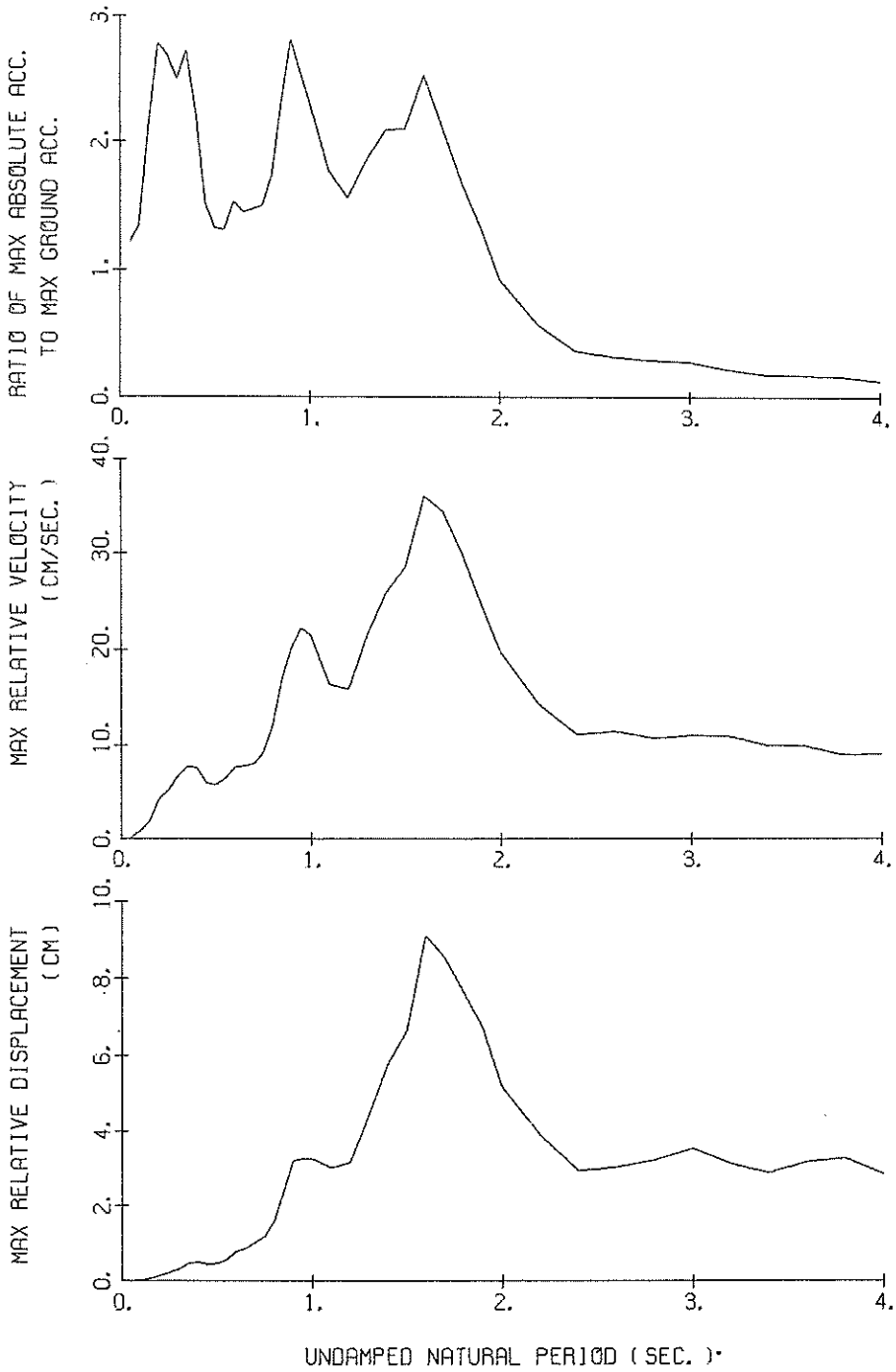
S-1191 DOWN ONAHAMA-S



S-1191 DOWN ONAHAMA-S

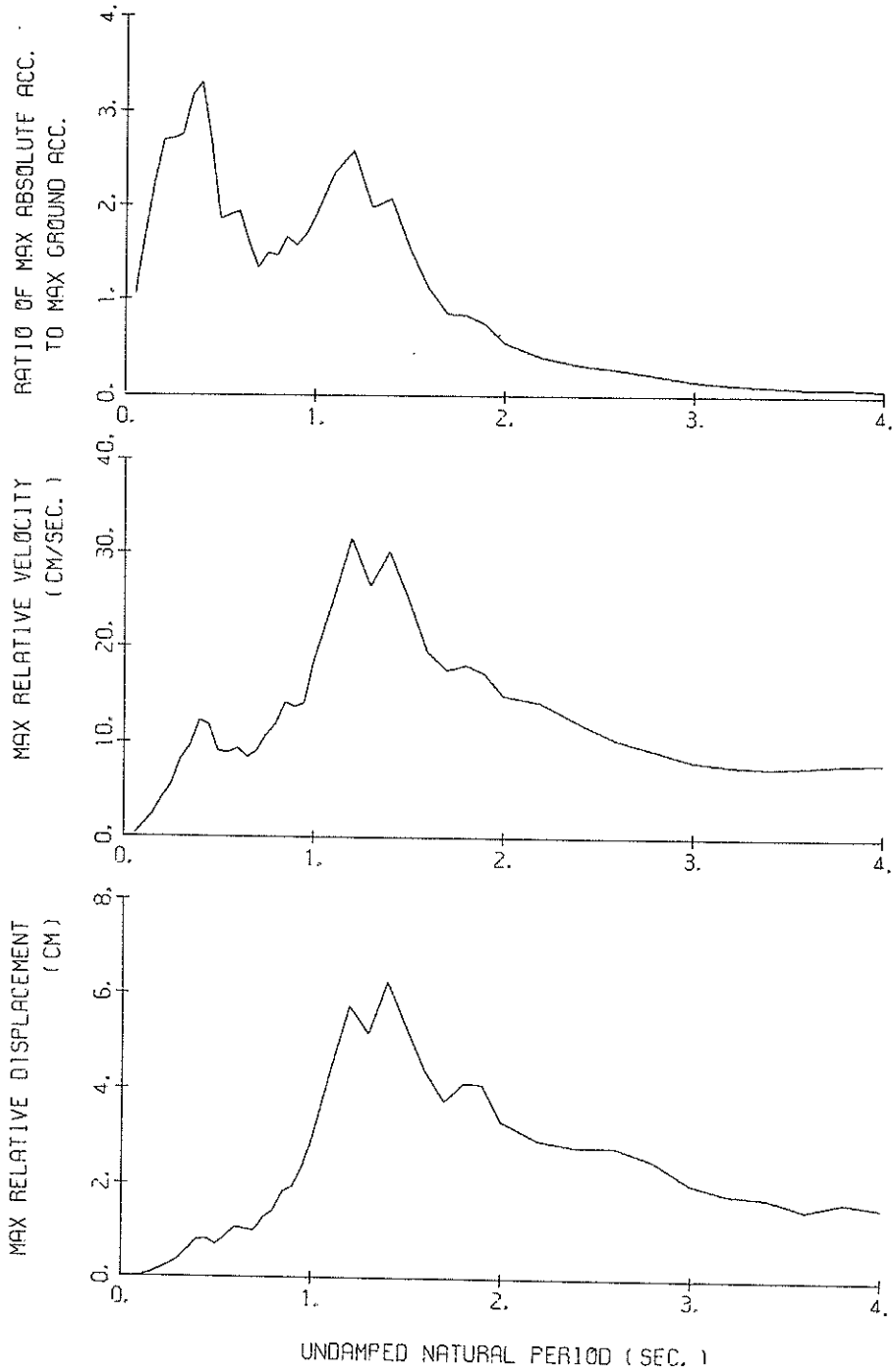


S-1191 W25N ONAHAMA-S
(1/FC=3.73 sec.)



RESPONSE SPECTRA (H=0.05)

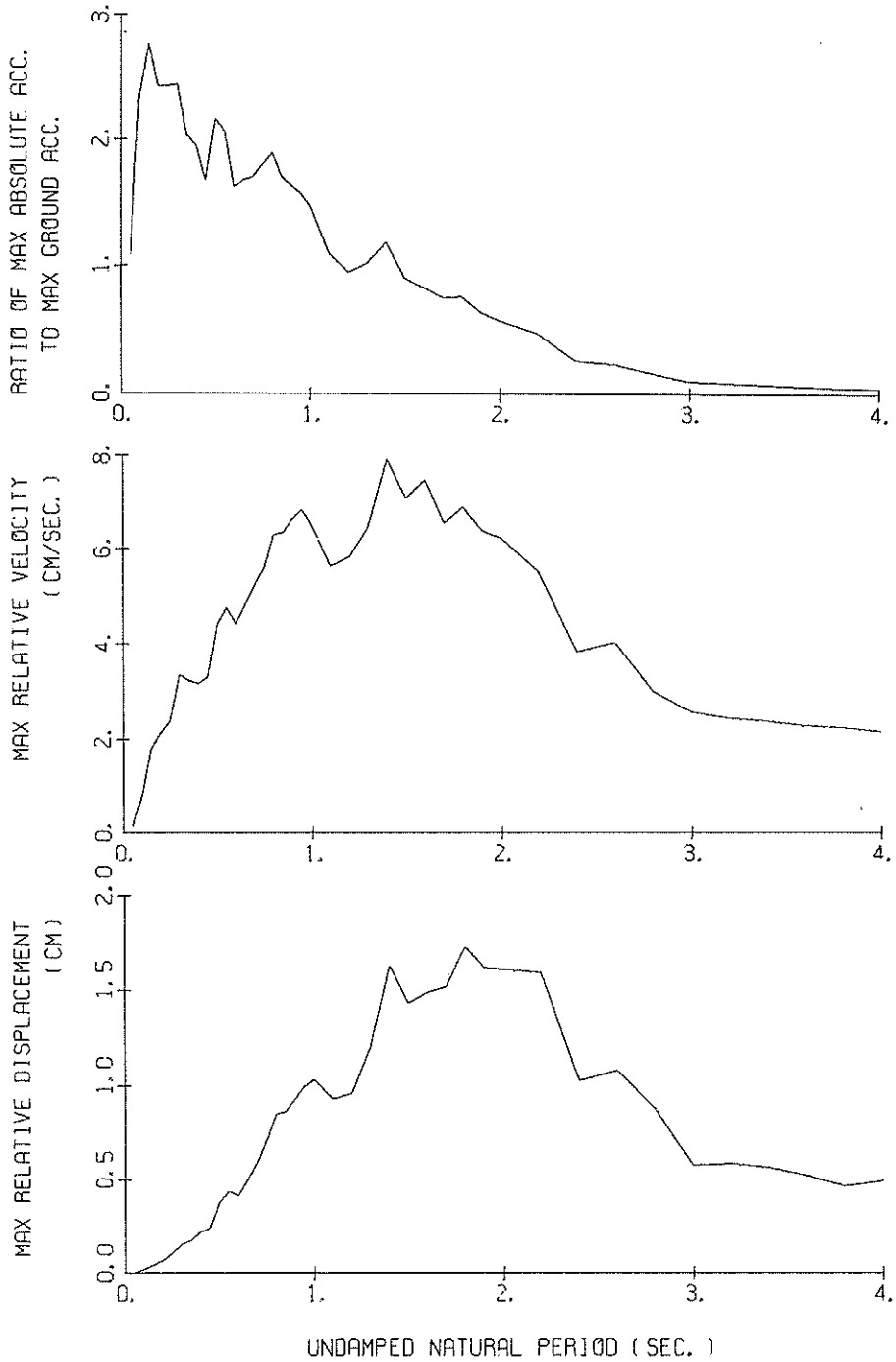
S-1191 N25E ONAHAMA-S
(1/FC=3.23 sec.)



RESPONSE SPECTRA (H=0.05)

S-1191 DOWN ONAHAMA-S

(1/FC=2.42 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = 9-1191 COMPONENT = V25N SIGNAL = GR. ACC. CORRECTION = STATION = ONAHAMA-S
 DATE AND TIME = 1978-06-13-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 55.82 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (SEC)

DAMPING = 0. PERIOD (SEC) AA RV RD AA AA RV RD AA AA RV RD AA AA RV RD
 DAMPING = 0.025 DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

0.05	118.7	0.79	0.008	69.8	0.13	0.004	67.2	0.12	0.004	64.6	0.11	0.004	61.4	0.10	0.004	0.004
0.10	335.8	5.27	0.065	90.3	1.27	0.023	74.7	0.85	0.019	75.1	0.59	0.019	69.3	0.44	0.017	0.017
0.15	301.9	7.34	0.163	133.3	2.54	0.076	117.5	1.94	0.067	103.1	1.48	0.058	81.3	1.08	0.044	0.044
0.20	605.6	12.41	0.441	184.2	4.97	0.187	155.1	4.31	0.158	120.6	3.20	0.121	91.5	2.00	0.086	0.086
0.25	297.9	11.57	0.472	183.2	5.56	0.289	149.5	5.29	0.235	113.7	4.14	0.177	85.7	2.51	0.122	0.122
0.30	348.7	16.75	0.795	177.7	7.91	0.404	139.3	6.82	0.316	106.6	4.93	0.238	71.4	2.88	0.153	0.153
0.35	943.3	52.20	2.927	203.8	10.88	0.633	151.9	7.78	0.469	103.7	5.28	0.318	66.1	3.00	0.188	0.188
0.40	187.8	10.61	1.478	147.8	9.28	0.598	124.6	7.62	0.503	88.6	5.15	0.353	59.3	3.01	0.219	0.219
0.45	187.7	12.77	0.963	99.2	7.13	0.508	84.4	5.97	0.432	71.4	4.98	0.359	56.2	3.08	0.260	0.260
0.50	188.6	14.26	1.194	83.8	6.38	0.529	73.6	5.77	0.463	60.6	4.98	0.376	52.0	3.30	0.294	0.294
0.55	191.7	16.52	1.469	84.1	6.77	0.643	73.3	6.52	0.558	58.9	5.33	0.443	49.8	3.46	0.348	0.348
0.60	413.3	39.25	3.769	129.7	11.84	1.182	85.4	7.76	0.775	61.0	5.29	0.548	48.7	3.63	0.402	0.402
0.65	231.6	23.75	2.479	97.0	9.37	1.038	80.7	7.85	0.864	62.9	5.68	0.664	46.9	3.86	0.454	0.454
0.70	160.4	17.52	1.991	99.9	9.65	1.237	82.1	8.05	1.013	64.8	6.51	0.787	46.9	4.16	0.541	0.541
0.75	228.0	26.18	3.248	101.5	11.63	1.444	83.8	9.27	1.188	56.8	7.84	0.933	48.5	4.57	0.638	0.638
0.80	199.4	24.73	3.232	101.8	12.34	1.648	96.6	12.23	1.560	73.8	9.37	1.179	51.9	5.34	0.765	0.765
0.85	301.7	39.12	5.521	174.5	22.89	3.190	128.7	17.04	3.346	85.4	10.63	1.540	55.4	6.02	0.910	0.910
0.90	593.1	84.30	12.169	252.4	30.46	4.559	156.9	20.24	3.204	97.1	12.97	1.949	56.9	6.68	1.030	1.030
0.95	465.1	73.18	11.089	204.9	30.71	4.678	142.6	22.24	3.245	93.2	14.97	2.096	56.0	7.26	1.112	1.112
1.00	245.7	39.71	6.224	165.2	27.63	4.178	129.0	21.54	3.250	87.5	14.69	2.173	53.8	7.45	1.162	1.162
1.10	291.5	52.04	8.933	132.3	22.53	4.051	98.8	16.39	3.012	70.8	11.68	2.125	49.3	6.95	1.276	1.276
1.20	199.7	29.82	5.826	114.1	21.58	4.157	86.7	15.93	3.169	64.4	11.87	2.292	45.9	7.27	1.460	1.460
1.30	170.9	35.46	7.318	135.3	27.23	5.787	104.2	21.67	4.439	66.2	13.82	2.792	44.9	8.16	1.770	1.770
1.40	530.0	117.94	26.311	188.1	42.00	9.329	116.9	26.03	5.775	76.0	16.77	3.704	46.1	9.23	2.082	2.082
1.50	248.6	60.12	14.166	149.6	36.82	8.513	117.2	28.61	6.647	85.7	20.16	4.801	46.3	10.63	2.338	2.338
1.60	488.5	125.57	31.674	207.2	53.74	13.420	141.4	36.16	9.119	89.0	22.97	5.639	45.4	11.47	2.630	2.630
1.70	176.5	49.50	12.925	146.8	41.98	10.735	117.4	34.97	8.339	79.1	23.39	5.852	43.5	11.54	2.839	2.839
1.80	171.0	51.42	14.032	121.2	38.02	9.926	93.6	29.97	7.835	69.2	20.82	5.544	40.8	11.15	2.917	2.917
1.90	135.1	41.82	12.356	89.7	29.84	8.187	74.0	24.72	6.723	57.2	17.03	5.092	37.4	10.99	2.689	2.689
2.00	58.4	20.54	5.922	51.4	20.04	5.199	51.4	19.78	5.172	44.9	17.01	4.419	33.4	10.98	2.790	2.790
2.20	43.8	17.30	5.369	31.6	14.72	3.864	31.9	14.40	3.884	30.1	13.40	3.564	26.6	10.33	2.643	2.643
2.40	54.9	22.37	8.014	22.2	12.25	3.235	20.3	11.20	3.255	21.1	11.11	2.969	21.8	9.56	2.523	2.523
2.60	42.1	21.05	7.210	21.1	13.05	3.610	17.9	11.57	3.036	17.5	10.54	2.882	18.3	8.95	2.432	2.432
2.80	14.2	9.46	2.826	15.9	10.82	3.138	16.4	10.78	3.219	15.7	10.08	2.978	15.6	8.40	2.359	2.359
3.00	24.4	14.01	5.573	18.3	11.89	4.165	15.7	11.04	3.537	13.6	10.04	2.961	13.5	8.15	2.270	2.270
3.20	16.9	12.40	4.374	13.7	11.53	3.542	12.2	10.97	3.113	11.1	9.99	2.692	11.6	8.14	2.153	2.153
3.40	8.5	9.25	2.485	9.5	9.93	2.772	10.1	10.00	2.884	10.1	9.59	2.740	9.9	8.05	2.181	2.181
3.60	12.4	11.84	4.079	10.5	10.59	3.434	9.9	9.92	3.165	9.3	9.18	2.799	8.8	7.88	2.179	2.179
3.80	12.1	10.64	4.440	10.2	9.59	3.712	9.1	9.02	3.269	8.4	8.56	2.762	8.1	7.67	2.144	2.144
4.00	9.0	10.52	3.632	7.8	9.68	3.148	7.2	9.05	2.857	7.0	8.18	2.530	7.4	7.45	2.080	2.080

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

RESPONSE SPECTRUM

RECORD = S-1191 COMPONENT = N25E SIGNAL = GR. ACC. CORRECTION = STATION = ONAHAMA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 61.25 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (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	147.2	0.60	0.007	64.8	0.18	0.004	62.7	0.16	0.004	62.2	0.16	0.004	62.7	0.14	0.004
0.10	495.0	7.75	0.125	134.3	1.87	0.034	101.6	1.33	0.025	84.4	0.97	0.021	69.1	0.63	0.017
0.15	306.3	6.90	0.175	158.4	2.82	0.090	137.2	2.37	0.079	115.3	1.89	0.065	88.4	1.36	0.047
0.20	696.2	21.43	0.705	197.3	5.44	0.201	165.4	4.16	0.168	136.6	3.43	0.137	95.2	2.28	0.089
0.25	680.2	26.81	1.077	196.3	6.97	0.311	165.7	5.61	0.260	132.5	4.62	0.207	88.7	2.79	0.129
0.30	810.3	37.93	1.847	213.9	10.61	0.487	169.2	8.29	0.384	130.8	5.73	0.270	80.3	3.07	0.175
0.35	533.7	29.40	1.656	212.2	10.87	0.659	194.3	9.69	0.599	152.4	7.14	0.466	93.1	3.89	0.266
0.40	506.6	33.04	2.053	261.4	16.32	1.058	202.6	12.27	0.819	162.4	9.05	0.647	93.7	4.71	0.342
0.45	490.0	35.22	2.513	197.4	14.31	1.013	163.6	11.81	0.833	129.1	8.94	0.647	87.3	5.55	0.394
0.50	180.4	15.42	1.142	122.9	10.03	0.779	113.1	9.00	0.711	101.2	7.97	0.625	77.1	5.95	0.423
0.55	289.0	25.69	2.214	141.1	9.75	1.079	116.4	8.92	0.888	92.9	7.94	0.701	67.5	6.17	0.466
0.60	300.5	27.89	2.740	147.0	13.27	1.340	118.4	9.41	1.075	94.4	7.64	0.846	66.6	6.35	0.545
0.65	172.1	16.31	1.842	113.5	9.91	1.213	98.0	8.47	1.045	84.1	7.79	0.889	63.7	6.56	0.617
0.70	303.2	32.70	3.763	109.0	13.31	1.353	81.2	9.14	1.004	76.5	8.60	0.940	60.2	6.81	0.698
0.75	259.6	29.82	3.698	144.5	13.31	1.629	91.1	10.78	1.294	77.0	9.24	1.084	58.7	7.02	0.792
0.80	227.2	28.19	3.684	111.7	13.72	1.808	89.4	11.97	1.445	75.8	10.07	1.212	58.6	7.14	0.891
0.85	481.0	64.96	8.804	144.4	19.94	2.639	101.9	14.22	1.856	73.9	10.70	1.334	58.5	7.32	0.999
0.90	231.8	32.65	4.756	127.5	17.82	2.612	95.9	13.72	1.961	70.7	10.42	1.414	58.8	7.80	1.121
0.95	235.5	34.66	5.384	134.5	19.22	3.073	103.2	14.11	2.350	74.1	10.97	1.668	59.9	8.23	1.267
1.00	496.6	78.44	12.579	144.4	23.97	3.655	115.2	18.53	2.907	88.4	13.09	2.201	61.4	8.61	1.435
1.10	474.0	83.39	14.529	198.7	34.34	6.082	144.0	24.74	4.387	102.1	17.11	3.081	64.3	9.94	1.797
1.20	363.2	69.45	13.249	214.7	42.01	7.714	158.4	31.58	5.745	111.3	21.11	3.971	64.1	10.80	2.074
1.30	218.4	45.09	9.349	150.6	33.35	6.440	121.3	26.45	5.163	93.9	20.51	3.913	59.6	11.24	2.177
1.40	398.8	82.80	182.1	42.66	9.030	128.9	87.7	20.59	8.266	87.7	20.59	4.276	53.3	11.44	2.231
1.50	162.0	42.08	9.234	109.5	29.22	6.232	93.8	25.17	5.307	72.0	19.25	3.993	47.0	11.31	2.285
1.60	139.8	36.10	9.068	96.4	25.21	6.246	68.1	19.52	4.388	52.5	16.59	3.306	42.8	11.16	2.293
1.70	149.9	41.53	10.971	71.0	21.52	5.193	51.8	17.59	3.760	43.7	15.00	3.061	39.0	10.90	2.287
1.80	126.8	37.98	10.404	64.6	21.12	5.292	51.0	18.14	4.152	41.8	14.71	3.292	35.4	10.52	2.259
1.90	86.5	30.88	7.914	57.2	21.39	5.219	45.2	17.25	4.113	36.2	13.65	3.185	31.9	10.23	2.197
2.00	52.0	19.72	5.272	39.9	16.04	4.032	33.4	14.93	3.350	29.0	13.33	2.832	28.5	10.03	2.103
2.20	50.8	22.31	6.230	34.5	15.93	3.415	24.3	14.20	2.947	21.4	12.54	2.521	22.4	9.63	1.964
2.40	19.9	11.52	2.902	19.4	12.21	2.826	19.6	12.13	2.817	18.2	11.38	2.512	17.7	9.30	1.871
2.60	35.2	15.10	6.034	19.6	10.97	3.335	16.7	10.31	2.817	14.5	9.90	2.322	14.8	8.86	1.784
2.80	17.6	11.18	3.486	14.7	9.79	2.909	13.1	9.27	2.546	11.3	8.63	2.113	12.8	8.43	1.692
3.00	10.8	8.20	2.454	9.8	8.08	2.220	9.2	8.11	2.044	9.0	8.02	1.900	11.1	8.10	1.601
3.20	7.6	7.54	1.974	7.3	7.60	1.877	7.3	7.66	1.831	7.9	7.79	1.758	9.8	7.89	1.525
3.40	7.9	7.49	2.323	6.4	7.26	1.853	6.2	7.48	1.755	6.3	7.69	1.649	8.9	7.76	1.472
3.60	7.8	7.78	2.559	5.4	7.70	1.754	4.8	7.70	1.524	5.3	7.73	1.512	8.2	7.69	1.435
3.80	7.2	8.16	2.618	5.6	8.00	2.040	4.7	7.90	1.689	4.7	7.81	1.401	7.7	7.65	1.409
4.00	5.0	8.09	2.042	4.4	8.04	1.784	3.9	7.98	1.570	4.2	7.86	1.378	7.2	7.63	1.390

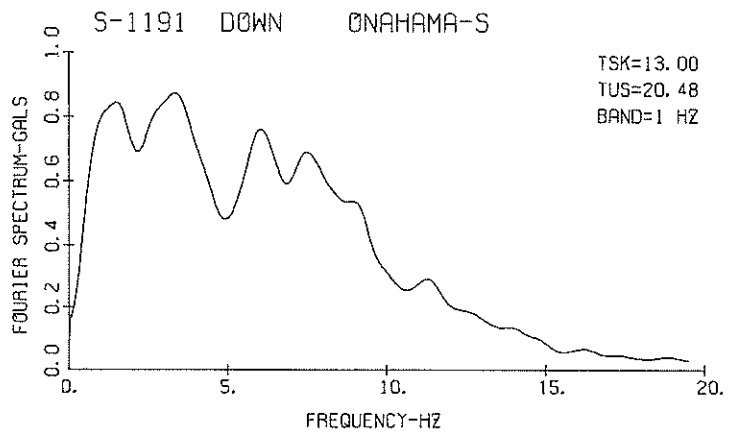
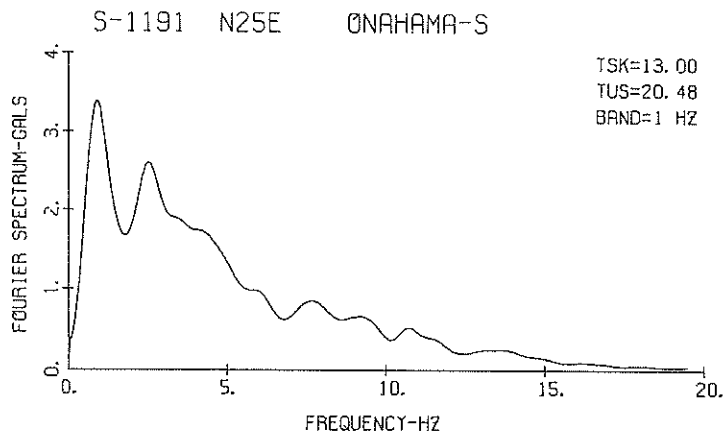
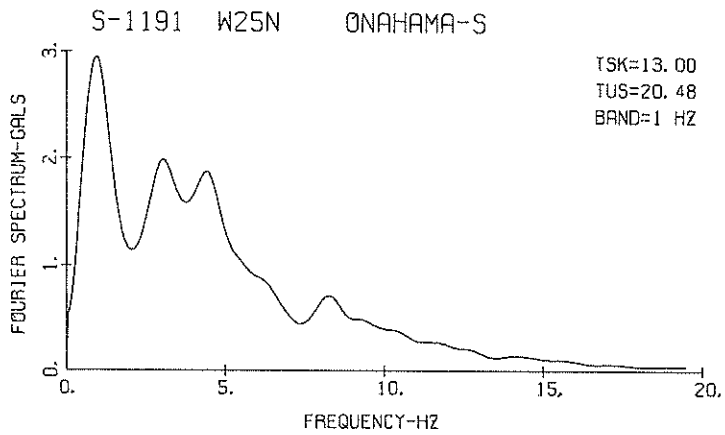
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1191 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = STATION = ONAHAMA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0400(SEC) MAX.GROUND ACC. = 27.90 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (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	61.1	0.38	0.004	31.3	0.11	0.002	30.2	0.09	0.002	29.8	0.09	0.002	29.6	0.08	0.002	29.6	0.08	0.002		
0.10	284.8	4.52	0.072	77.5	1.07	0.020	65.9	0.79	0.017	56.9	0.58	0.014	43.9	0.41	0.010	43.9	0.41	0.010		
0.15	254.5	5.85	0.145	104.6	2.45	0.059	77.2	1.79	0.044	61.1	1.31	0.035	43.0	0.81	0.023	43.0	0.81	0.023		
0.20	249.7	7.80	0.253	88.1	2.88	0.089	67.6	2.14	0.068	53.6	1.54	0.053	37.4	1.11	0.034	37.4	1.11	0.034		
0.25	197.6	7.67	0.313	83.8	3.11	0.132	67.8	2.41	0.107	53.8	1.74	0.083	32.9	1.20	0.048	32.9	1.20	0.048		
0.30	488.6	23.19	1.114	105.6	4.86	0.240	68.0	3.36	0.154	46.8	2.24	0.105	28.7	1.35	0.060	28.7	1.35	0.060		
0.35	205.7	11.21	0.638	73.7	4.18	0.225	56.6	3.23	0.174	42.0	2.25	0.128	29.8	1.47	0.086	29.8	1.47	0.086		
0.40	196.2	12.09	0.795	68.7	4.12	0.279	54.3	3.18	0.219	43.2	2.37	0.171	30.1	1.45	0.109	30.1	1.45	0.109		
0.45	166.6	11.66	0.955	58.8	4.28	0.301	46.8	3.30	0.239	36.2	2.29	0.163	27.4	1.40	0.121	27.4	1.40	0.121		
0.50	195.9	15.47	1.240	78.2	5.95	0.495	60.5	4.40	0.381	42.4	2.83	0.264	24.5	1.56	0.139	24.5	1.56	0.139		
0.55	222.6	19.43	1.705	74.3	6.36	0.568	57.5	4.75	0.438	40.8	3.22	0.307	23.9	1.75	0.163	23.9	1.75	0.163		
0.60	149.9	14.45	1.366	58.6	5.91	0.534	45.0	4.41	0.409	33.5	3.05	0.299	22.9	1.89	0.183	22.9	1.89	0.183		
0.65	119.7	12.34	1.281	63.9	6.39	0.683	46.9	4.82	0.499	33.7	3.36	0.353	21.0	1.91	0.205	21.0	1.91	0.205		
0.70	159.1	17.62	1.975	60.9	6.75	0.755	47.6	5.24	0.589	32.5	3.74	0.396	21.2	2.20	0.240	21.2	2.20	0.240		
0.75	172.6	20.38	2.459	67.6	7.54	0.963	50.3	5.60	0.713	33.1	3.82	0.464	21.2	2.47	0.274	21.2	2.47	0.274		
0.80	153.4	19.29	2.486	77.3	9.89	1.251	52.9	6.30	0.853	35.3	4.15	0.560	21.0	2.63	0.306	21.0	2.63	0.306		
0.85	137.2	17.31	2.327	54.6	7.57	0.997	47.6	6.35	0.867	32.5	4.39	0.587	20.7	2.71	0.337	20.7	2.71	0.337		
0.90	174.6	25.39	3.561	68.5	10.05	1.403	45.5	6.64	0.929	30.6	4.59	0.618	20.0	2.85	0.369	20.0	2.85	0.369		
0.95	101.6	15.56	2.323	55.5	8.72	1.266	43.8	6.84	0.997	32.2	4.83	0.722	19.1	2.97	0.397	19.1	2.97	0.397		
1.00	72.0	11.48	1.823	46.9	7.77	1.187	41.0	6.52	1.032	31.0	4.88	0.767	18.4	3.01	0.419	18.4	3.01	0.419		
1.10	56.0	10.33	1.717	36.2	6.98	1.108	30.6	5.62	0.931	23.0	4.45	0.691	17.6	2.95	0.467	17.6	2.95	0.467		
1.20	53.3	10.49	1.944	31.4	6.92	1.145	26.4	5.83	0.959	19.9	4.33	0.707	16.4	2.93	0.501	16.4	2.93	0.501		
1.30	54.3	11.51	2.325	34.9	7.51	1.491	28.4	6.47	1.209	20.8	4.71	0.875	15.4	2.89	0.539	15.4	2.89	0.539		
1.40	144.6	32.50	7.180	53.1	11.74	2.635	33.0	7.93	1.630	21.6	5.08	1.044	14.2	2.88	0.562	14.2	2.88	0.562		
1.50	35.4	8.90	2.020	28.8	7.66	1.638	23.2	7.08	1.430	19.1	5.39	1.050	12.4	3.11	0.602	12.4	3.11	0.602		
1.60	65.6	16.36	4.252	30.3	9.53	1.961	23.1	7.48	1.489	16.1	5.46	1.018	11.3	3.18	0.632	11.3	3.18	0.632		
1.70	45.4	11.84	3.326	27.2	8.08	1.985	20.9	6.55	1.515	15.1	4.57	1.070	10.6	3.28	0.650	10.6	3.28	0.650		
1.80	50.7	15.24	4.163	28.8	9.21	2.359	21.2	6.89	1.730	15.0	5.01	1.201	9.7	3.36	0.647	9.7	3.36	0.647		
1.90	23.7	7.92	2.164	19.6	6.81	1.789	17.8	6.39	1.615	13.4	5.15	1.193	8.8	3.36	0.634	8.8	3.36	0.634		
2.00	27.6	9.78	2.797	19.4	7.40	1.965	15.9	6.24	1.608	12.2	4.89	1.209	8.4	3.26	0.666	8.4	3.26	0.666		
2.20	23.5	9.08	2.886	16.4	6.81	2.009	13.1	5.51	1.591	10.1	4.41	1.186	7.2	2.68	0.693	7.2	2.68	0.693		
2.40	13.8	6.00	2.016	9.1	4.06	1.316	7.1	3.84	1.038	6.6	3.76	0.898	5.7	2.65	0.659	5.7	2.65	0.659		
2.60	17.1	7.74	2.927	8.4	4.91	1.430	6.4	4.05	1.079	4.9	3.42	0.792	4.5	2.64	0.595	4.5	2.64	0.595		
2.80	6.7	4.27	1.332	5.1	3.48	1.003	4.5	3.02	0.876	3.9	2.86	0.701	3.7	2.56	0.532	3.7	2.56	0.532		
3.00	3.3	3.04	0.743	2.8	2.70	0.636	2.6	2.59	0.577	2.8	2.61	0.562	3.2	2.47	0.484	3.2	2.47	0.484		
3.20	2.6	2.34	0.678	2.4	2.41	0.586	2.2	2.46	0.586	2.2	2.48	0.514	2.7	2.38	0.450	2.7	2.38	0.450		
3.40	2.3	2.63	0.666	2.1	2.43	0.599	2.0	2.39	0.563	2.0	2.38	0.501	2.4	2.31	0.424	2.4	2.31	0.424		
3.60	1.9	2.24	0.626	1.7	2.30	0.545	1.7	2.30	0.519	1.7	2.29	0.472	2.2	2.26	0.406	2.2	2.26	0.406		
3.80	1.4	2.35	0.495	1.3	2.27	0.478	1.4	2.25	0.463	1.4	2.22	0.461	2.0	2.21	0.398	2.0	2.21	0.398		
4.00	1.6	2.29	0.629	1.3	2.20	0.506	1.2	2.17	0.492	1.2	2.17	0.464	1.6	2.17	0.396	1.6	2.17	0.396		

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



FOURIER SPECTRA

RECORD NUMBER S-1188
 STATION KEIHIN-JI-S

EARTHQUAKE DATA

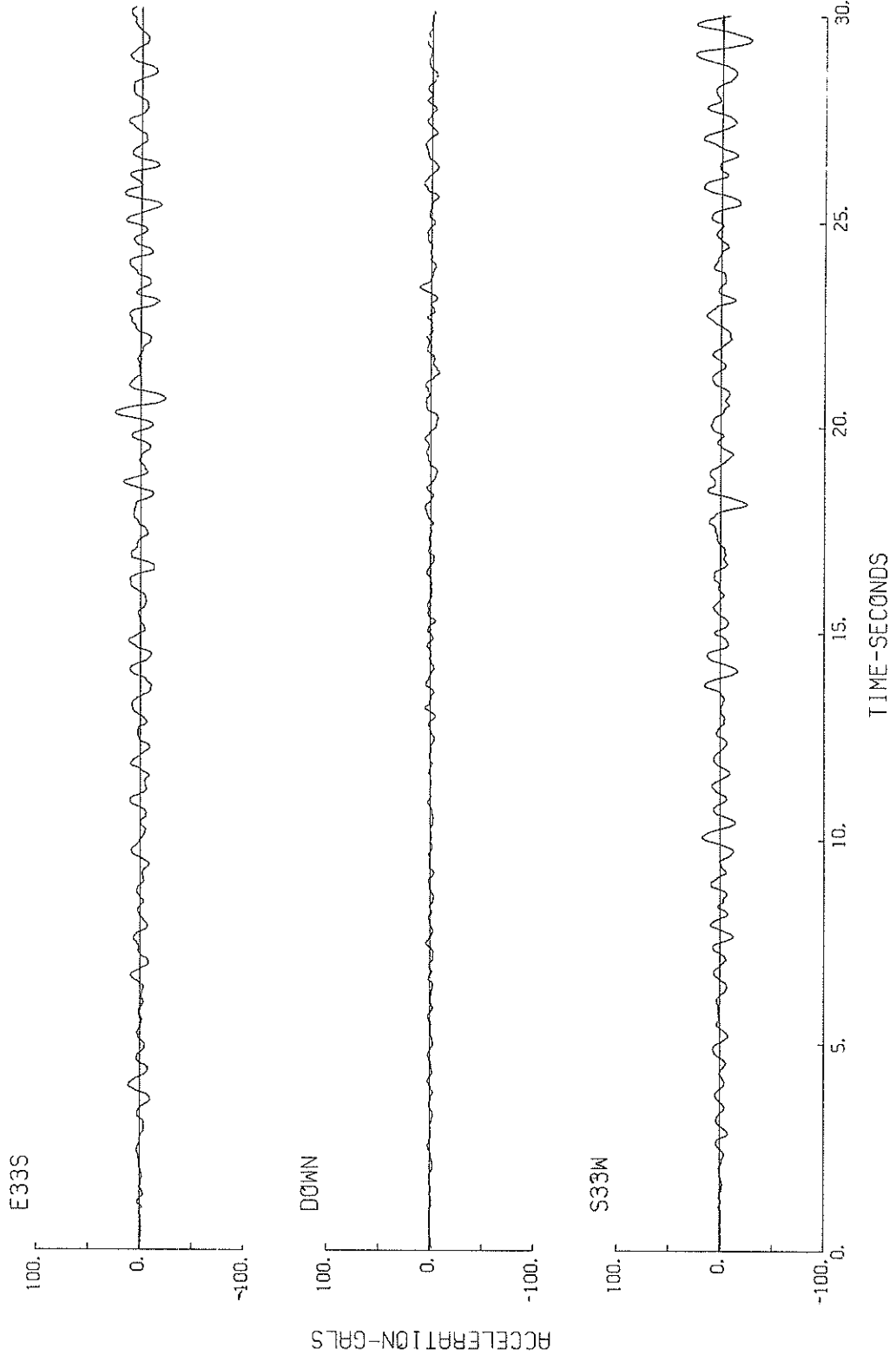
```

*****
*
*   DATE AND TIME           17:14 JUNE 12,1978
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.
*   LATITUDE                38.15 N
*   LONGITUDE               142.17 E
*   DEPTH                   40KM
*
*   MAGNITUDE              7.4
*
*****

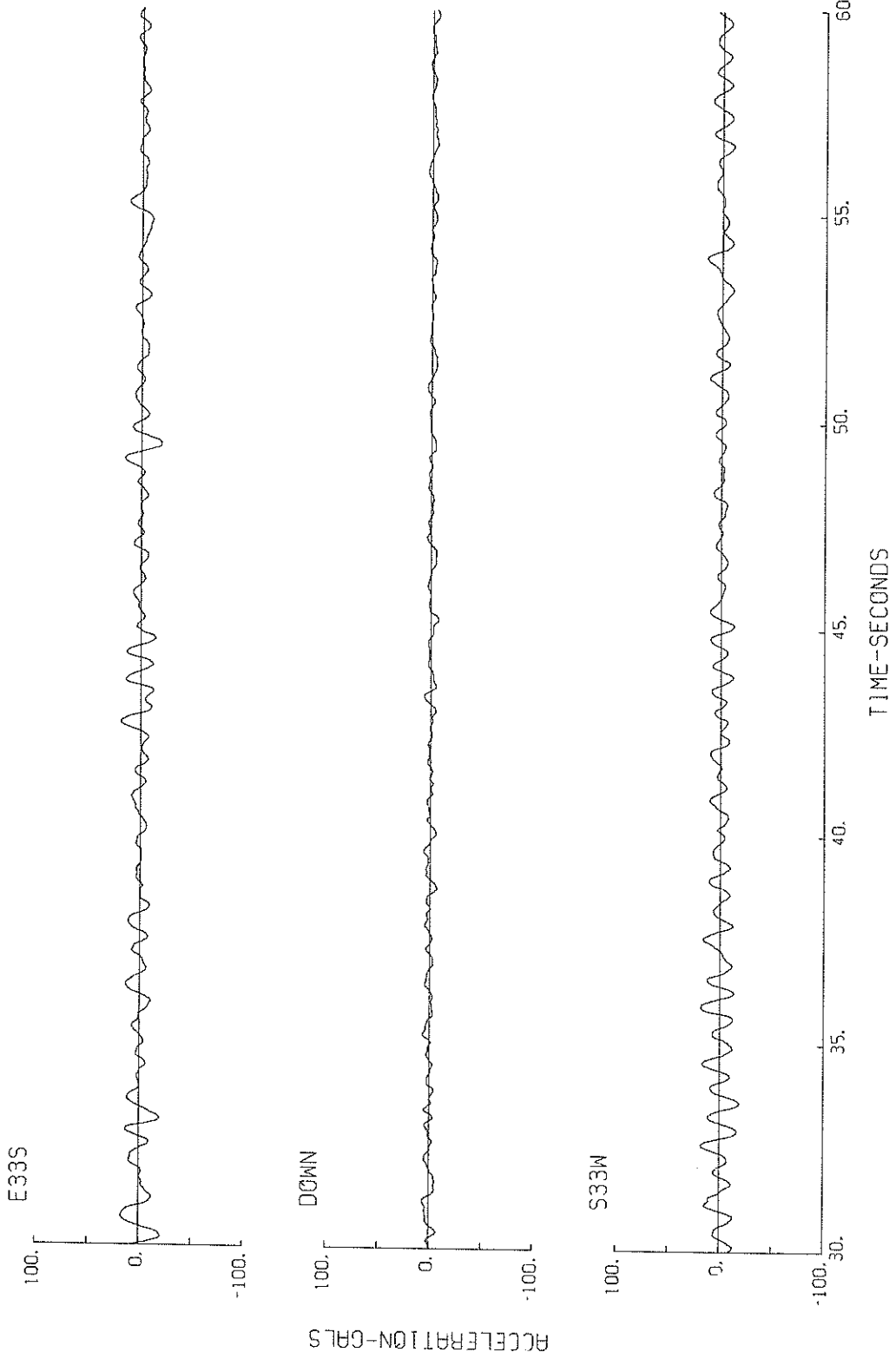
```

	COMPONENT		
	E33S	S33W	DOWN
PARAMETER OF THE VARIABLE FILTER	-----	-----	-----
FC (HZ)	0.317	0.287	0.397
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	25.	27.8	11.3
SMAC-B2 EQUIVALENT			
CORRECTED	27.1	28.6	12.1
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	3.48	3.92	1.70
VARIABLE FILTER	3.56	4.12	1.38
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	1.28	1.19	0.70
VARIABLE FILTER	0.61	0.64	0.25

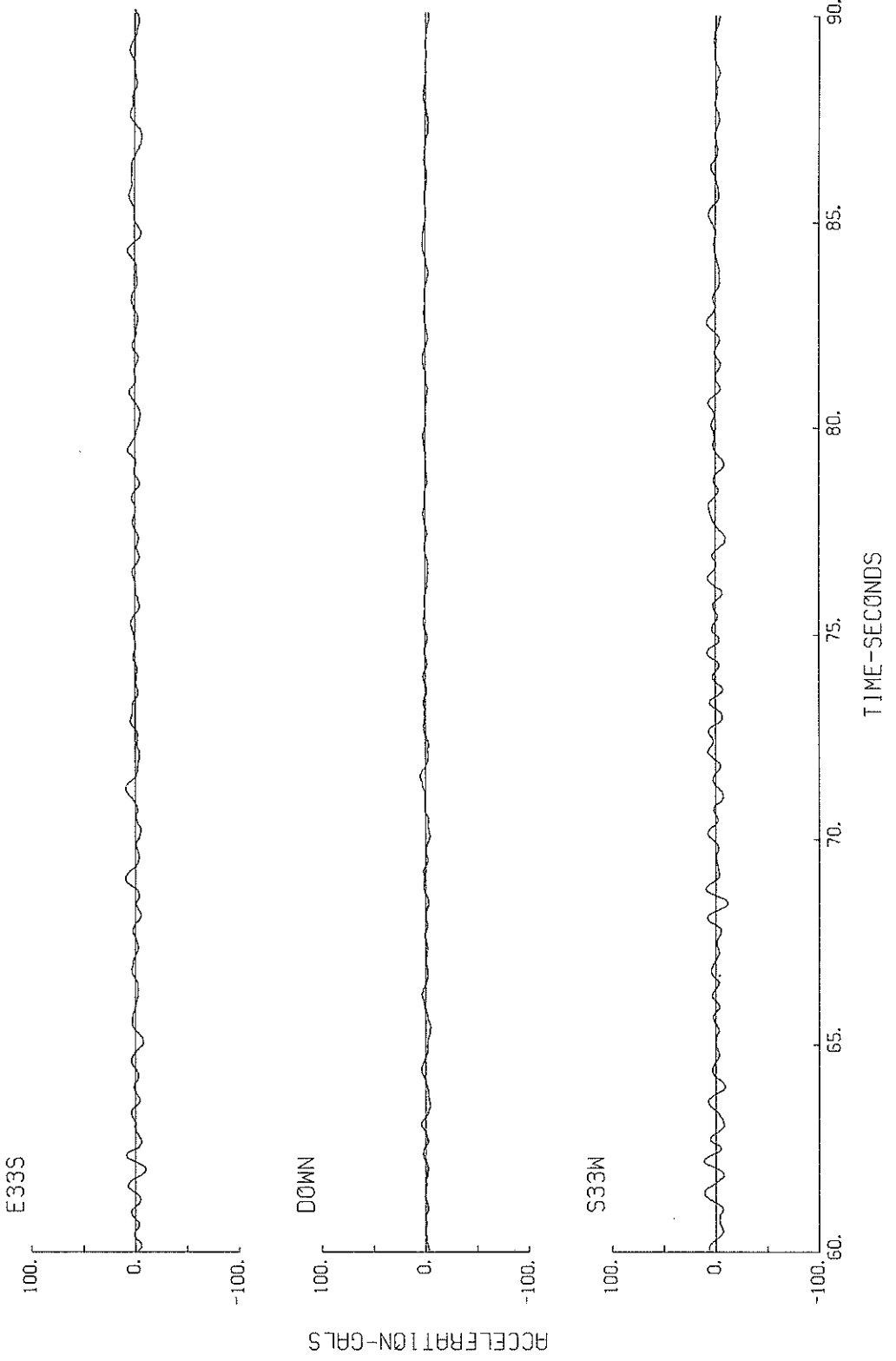
S-1188 KEIHIN-JI-S

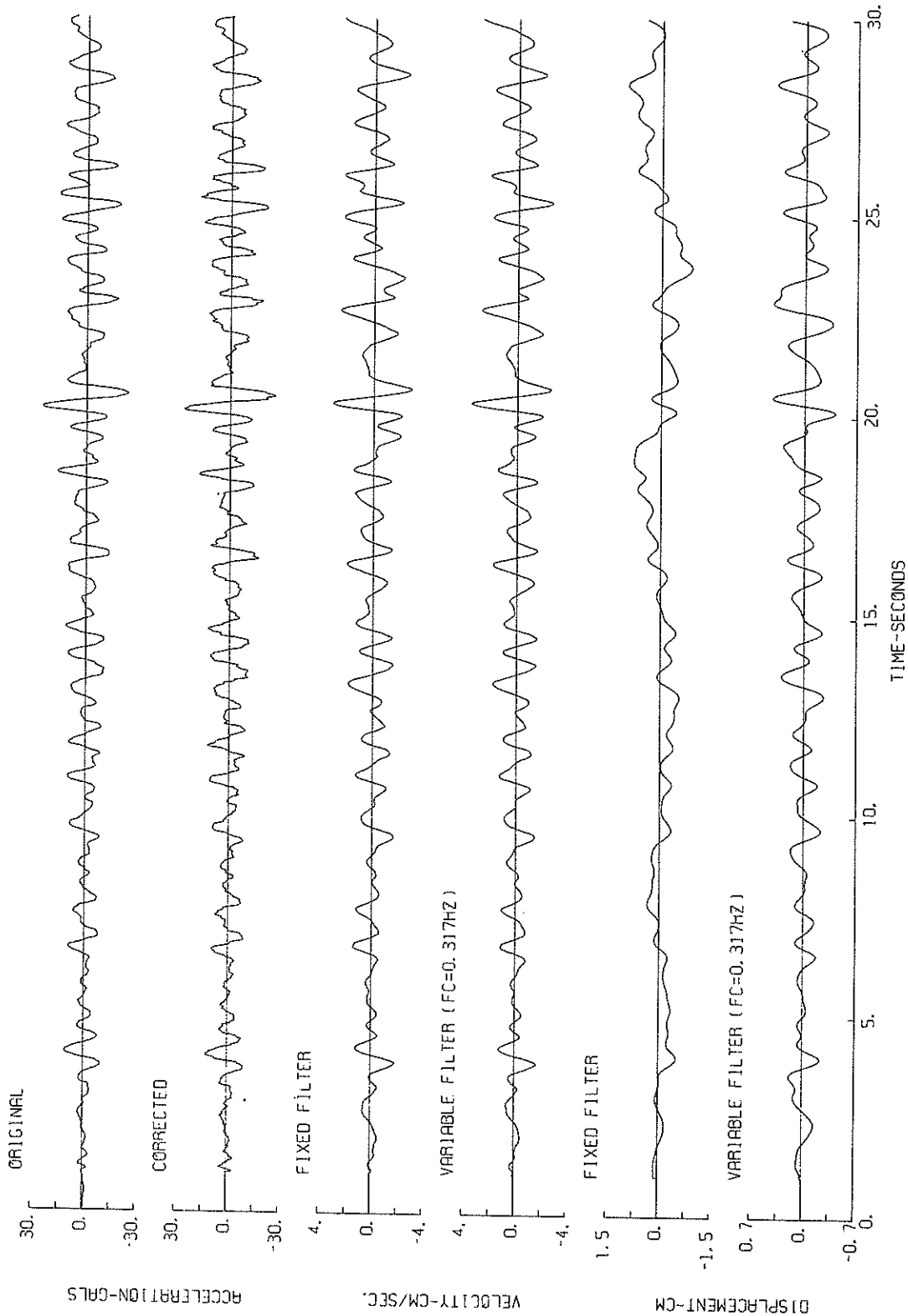


S-1188 KEIHIN-JI-S

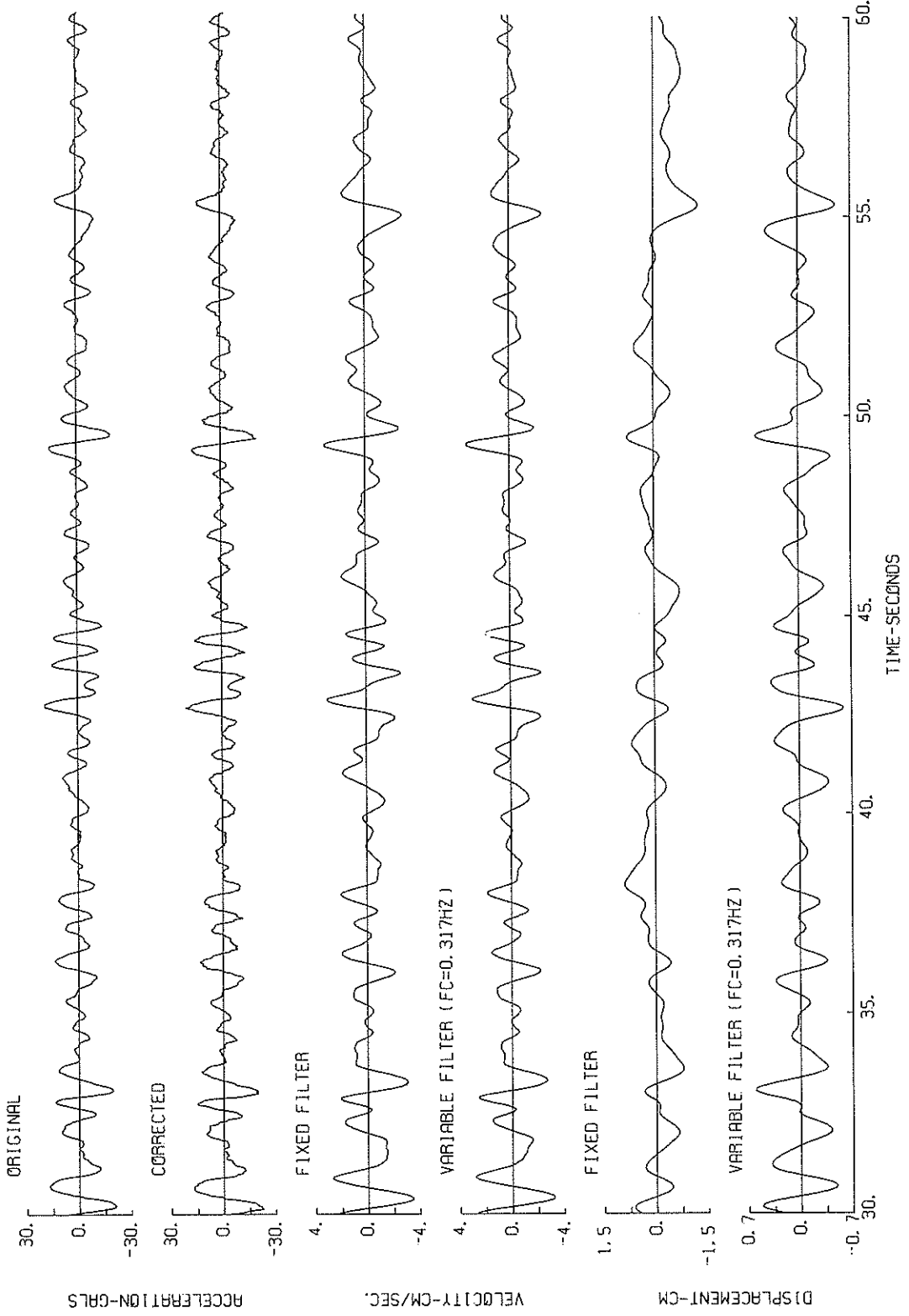


S-1188 KEIHIN-JI-S

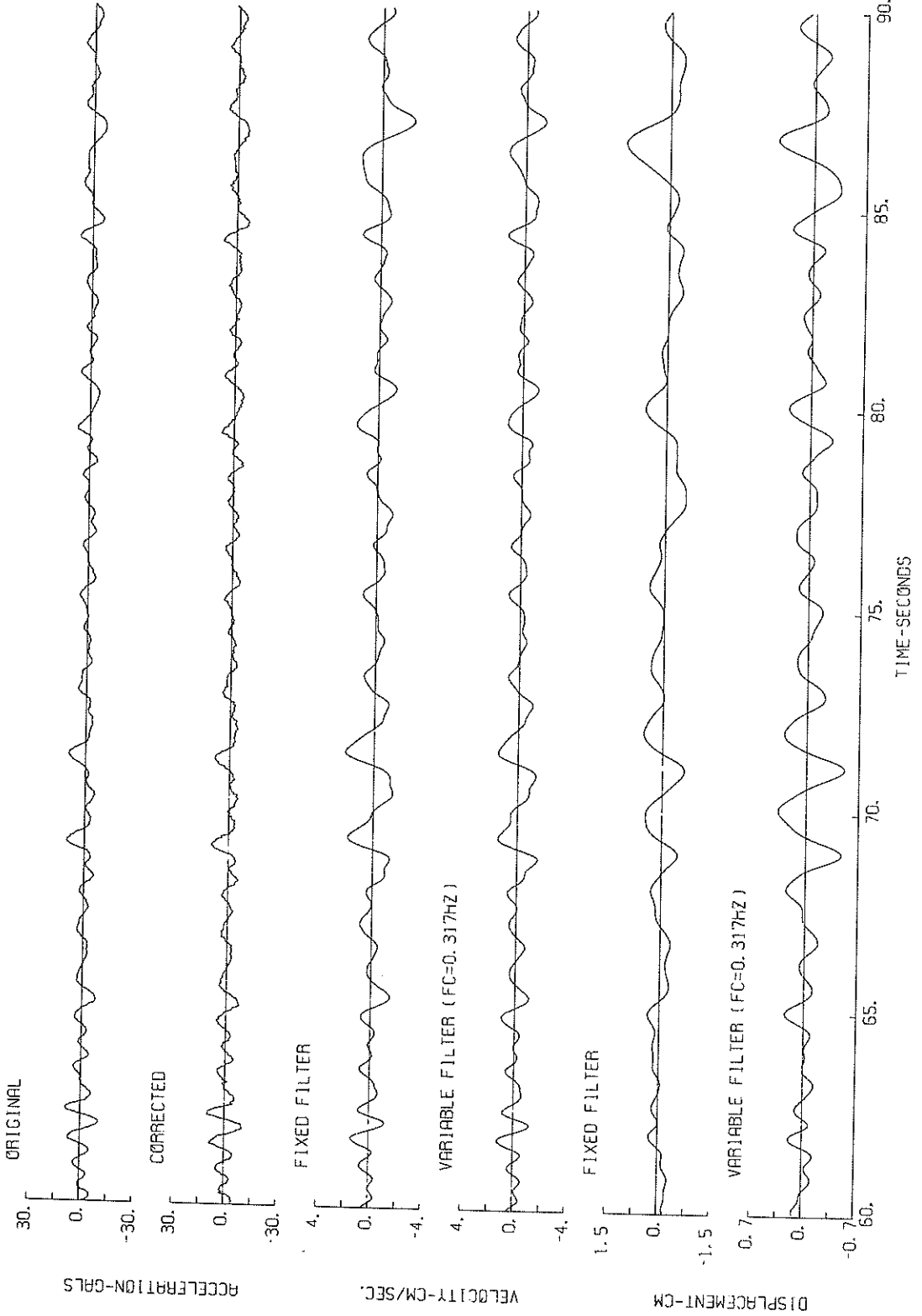




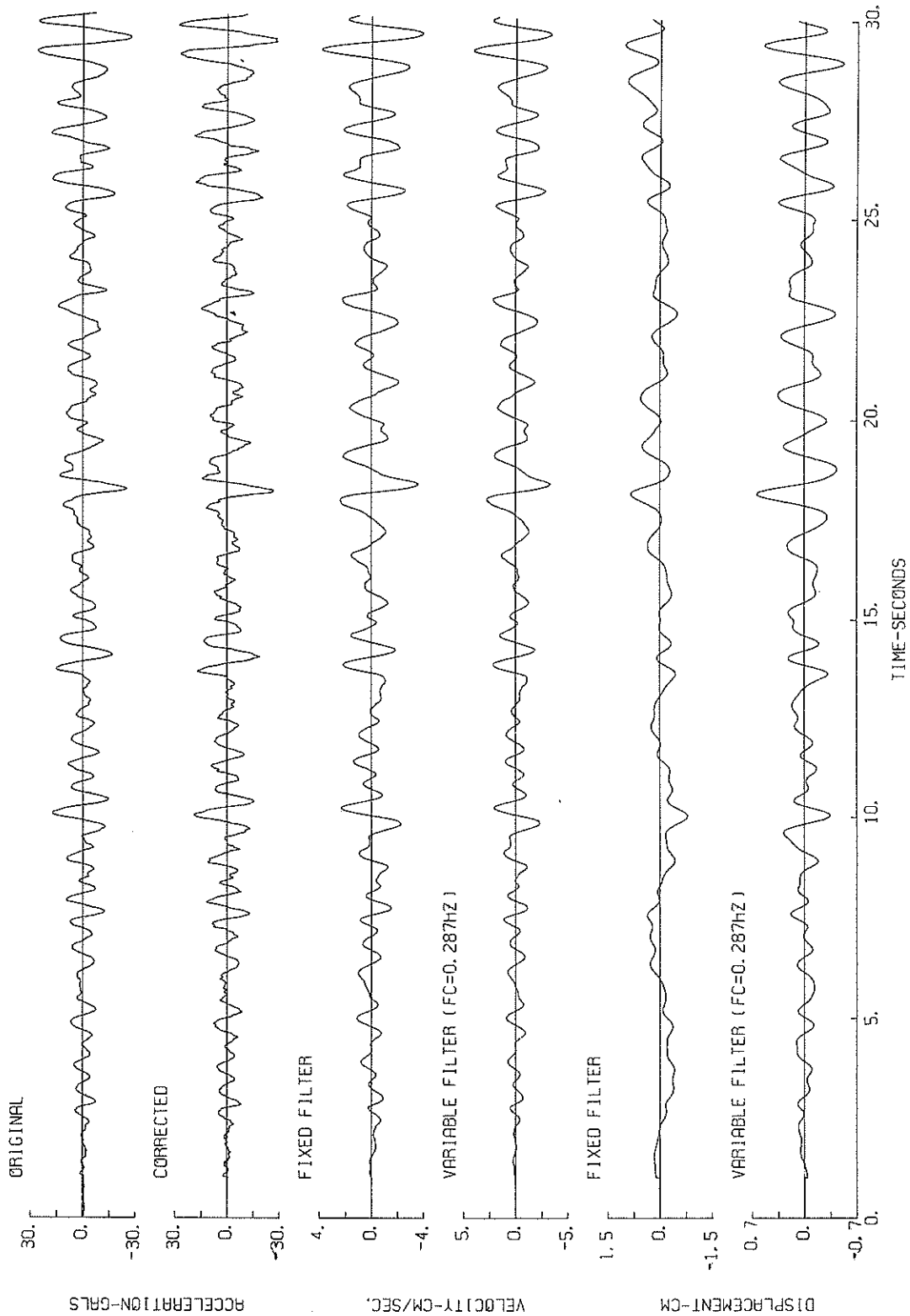
S-1188 E33S KEIHIN-JI-S

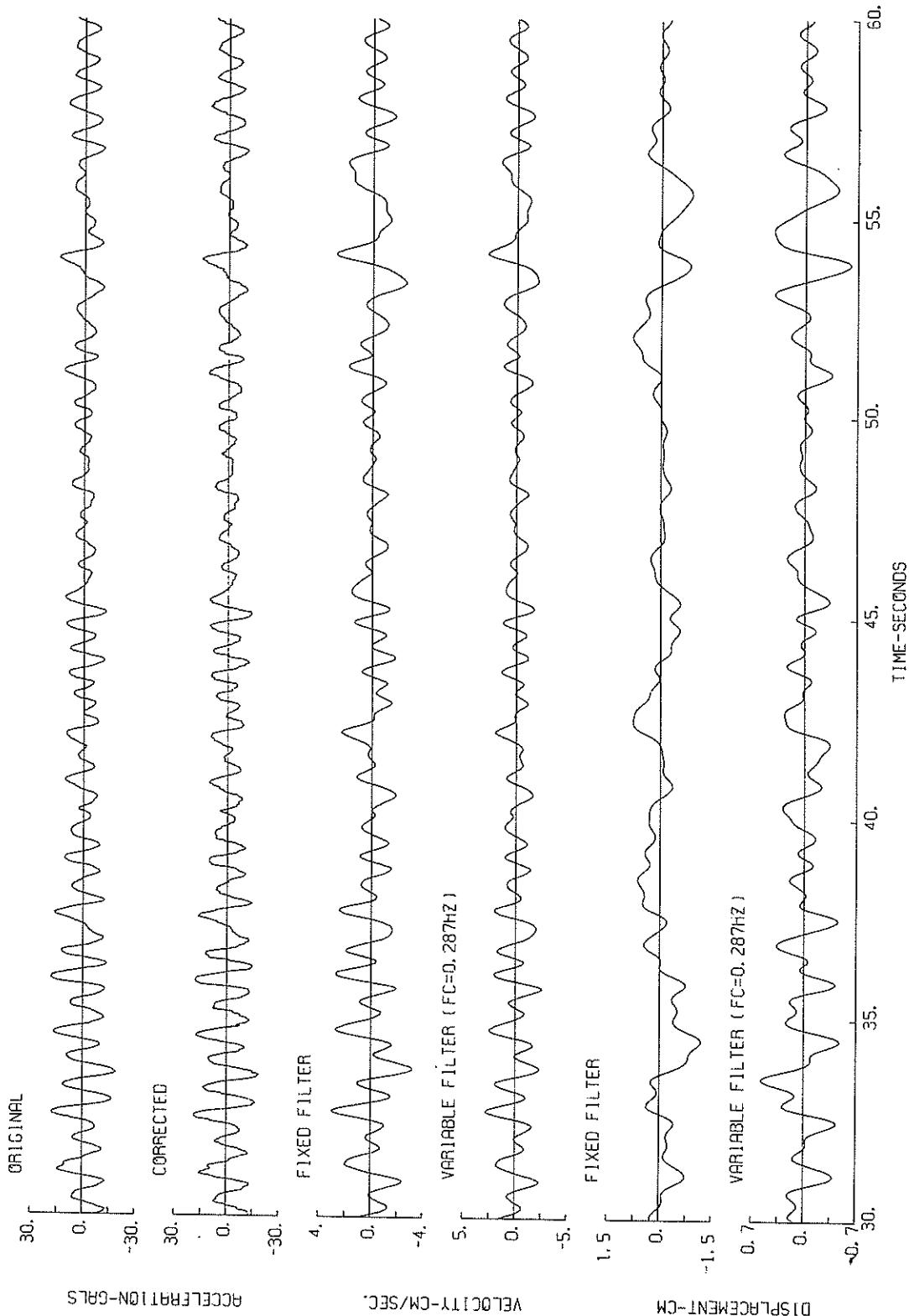


S-1188 E33S KEIHIN-JI-S

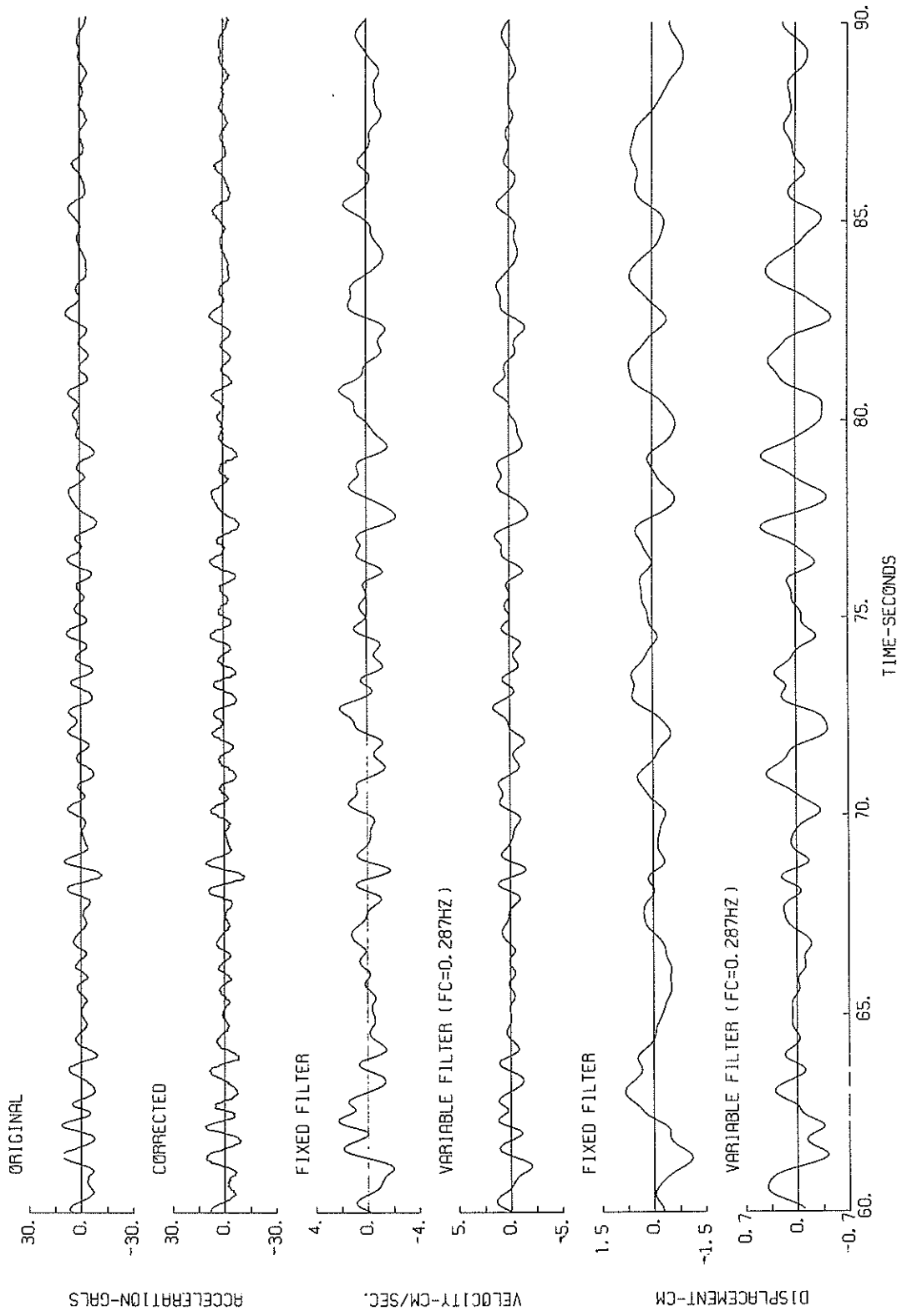


S-1188 S33W KEIHIN-JI-S

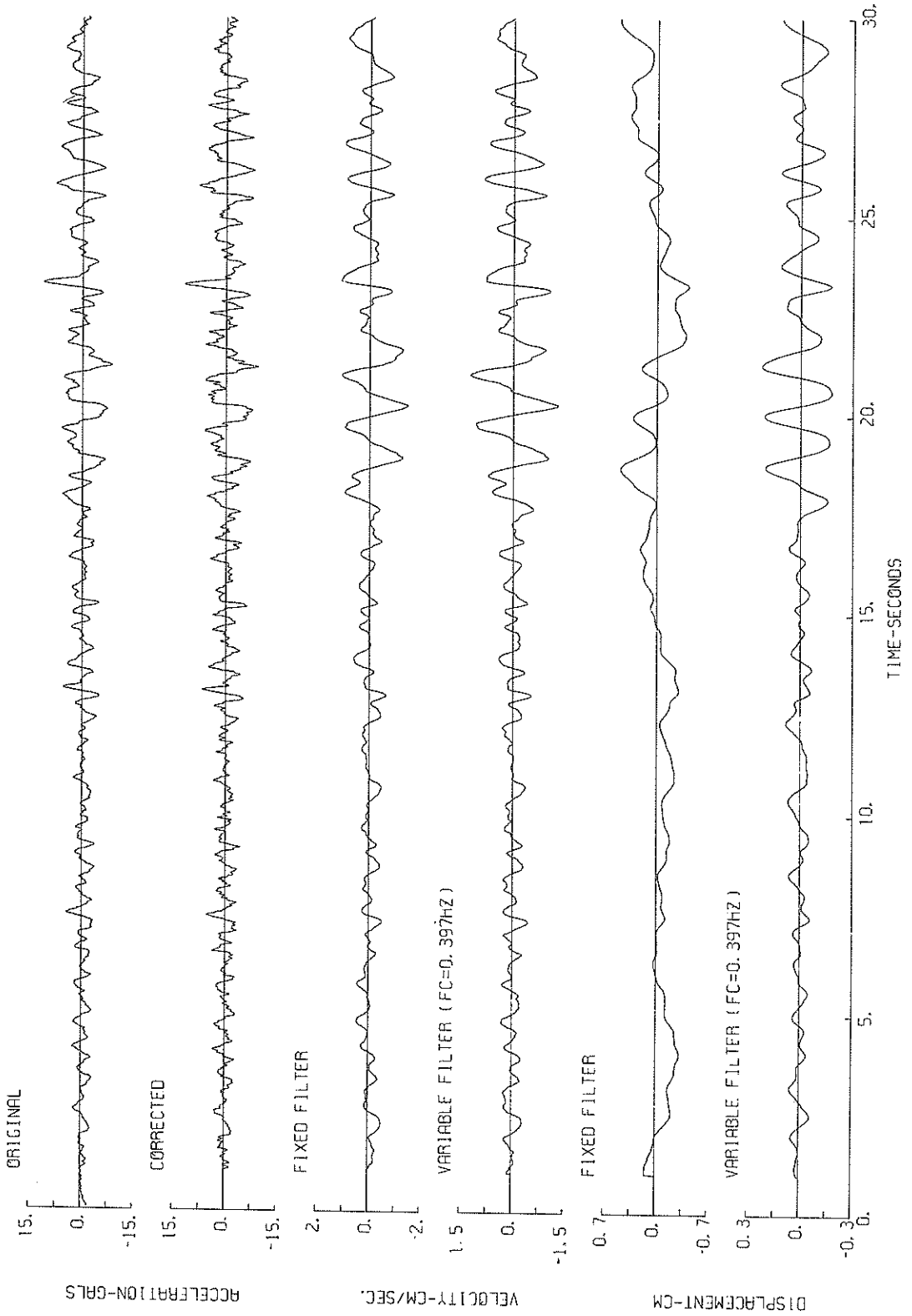




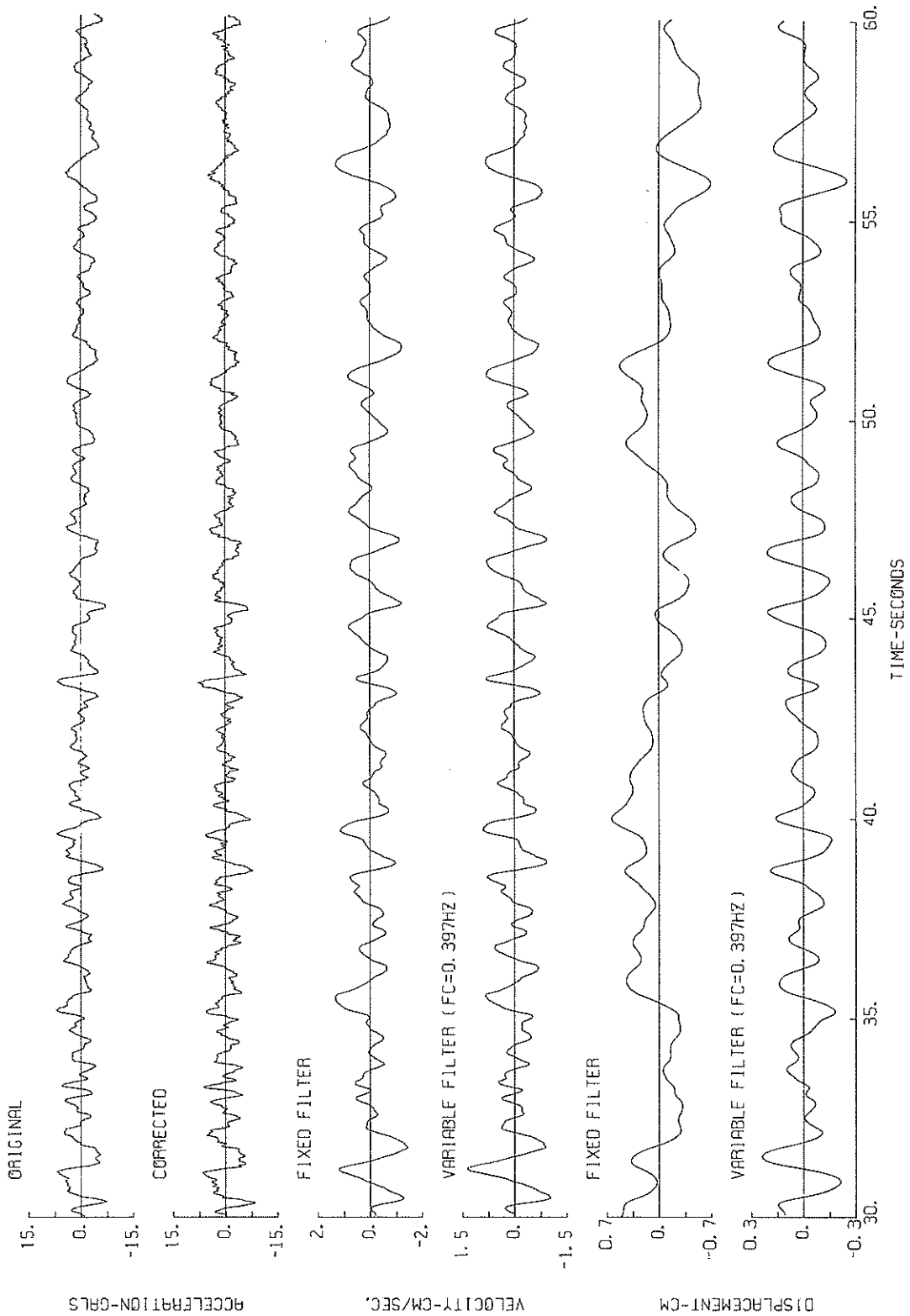
S-1188 S33W KEIHIN-JI-S



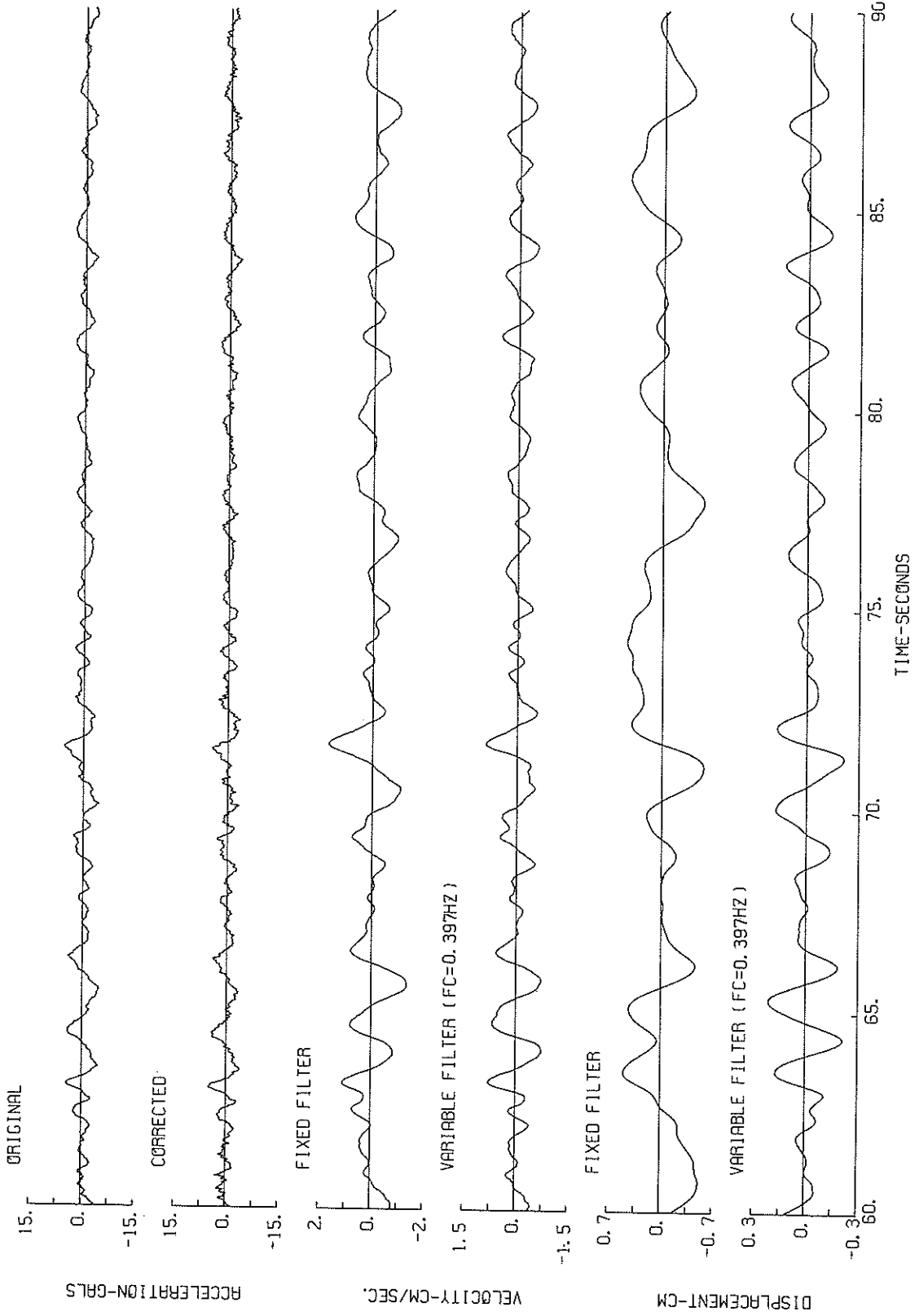
S-1188 DOWN KEIHIN-J1-S



S-1188 DOWN KEIHIN-JI-S

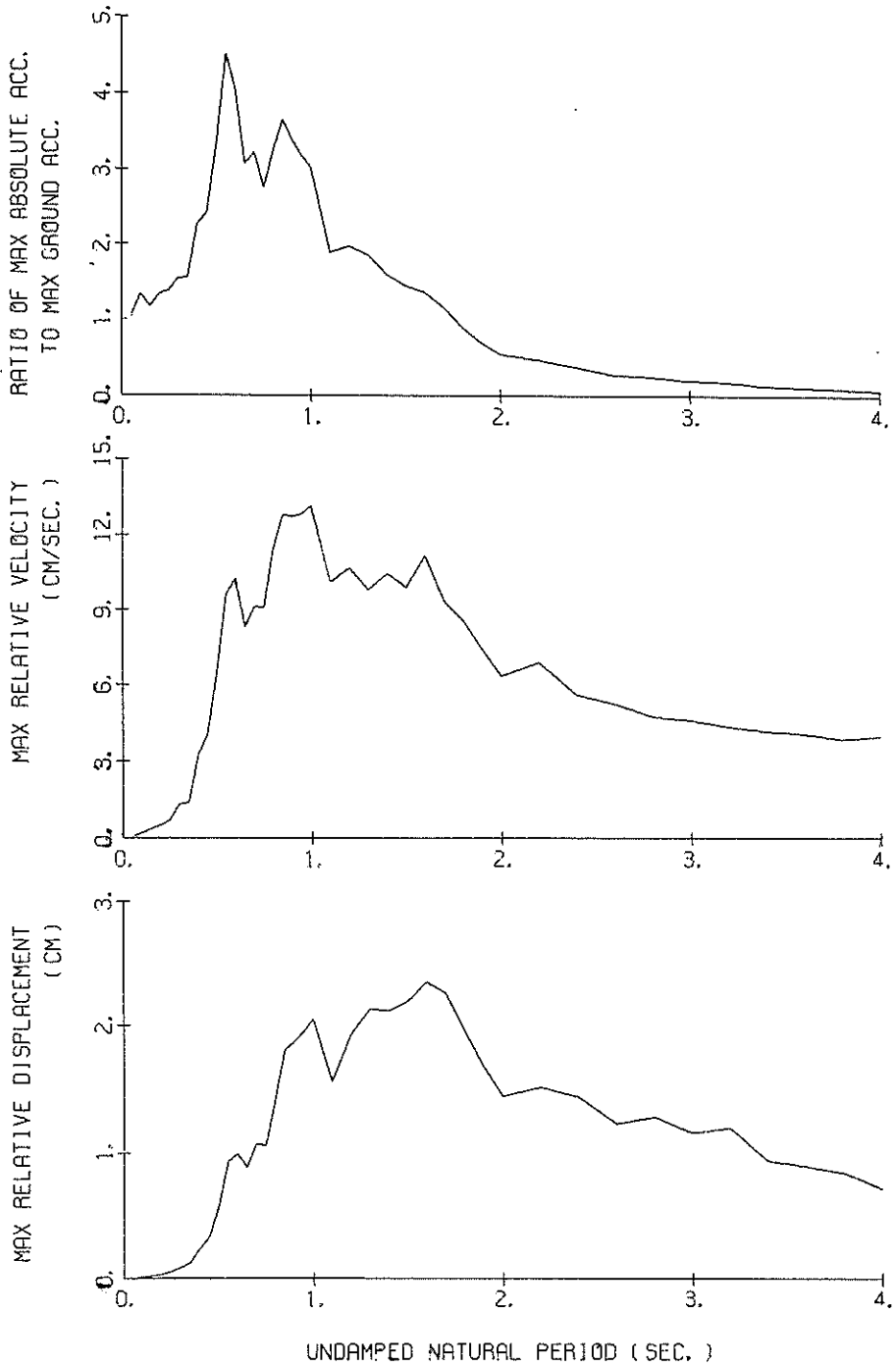


S-1188 DOWN KEIHIN-J1-S



S-1188 E33S KEIHIN-JI-S

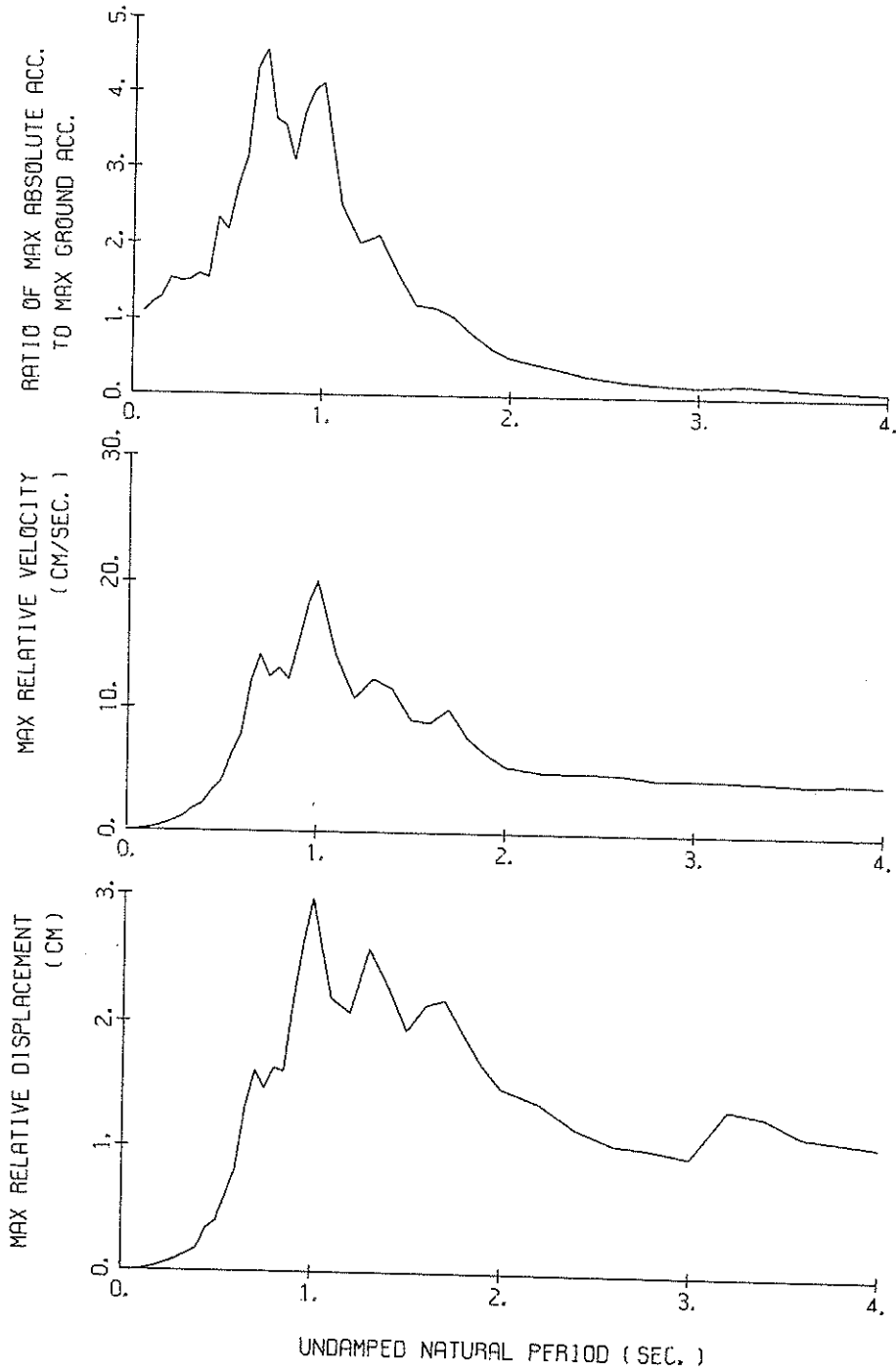
(1/FC=3.15 sec.)



RESPONSE SPECTRA (H=0.05)

S-1188 S33W KEIHIN-JI-S

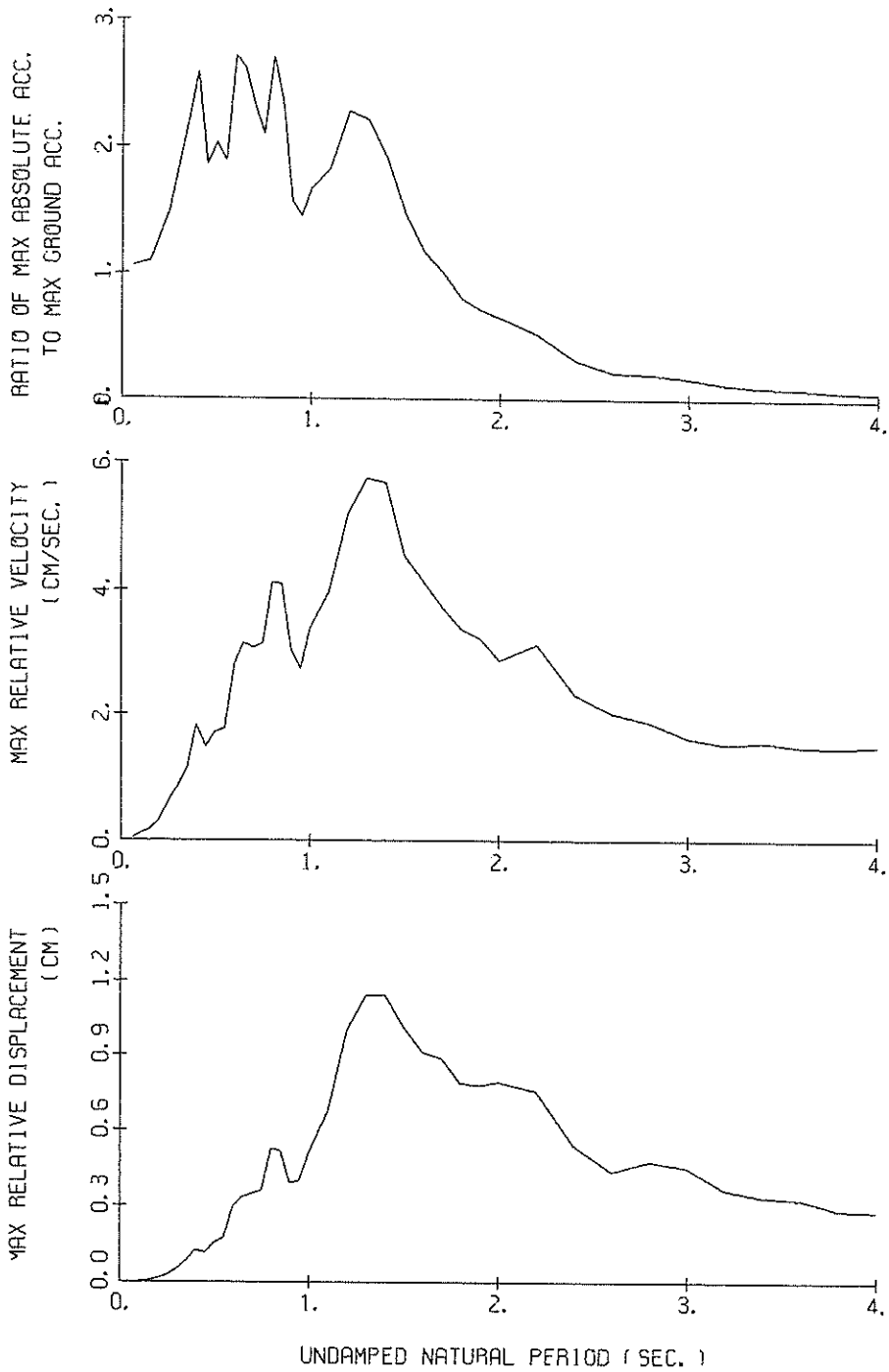
($1/FC=3.48$ sec.)



RESPONSE SPECTRA (H=0.05)

S-1188 DOWN KEIHIN-JI-S

(1/FC=2.52 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1188 COMPONENT = E33S SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = KEIHN-JI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 27.06 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 4.00 (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	42.0	0.19	0.003	28.6	0.08	0.002	28.1	0.08	0.002	27.4	0.07	0.002	27.2	0.06	0.002	
0.10	74.0	1.01	0.019	38.7	0.26	0.010	36.1	0.21	0.009	33.0	0.18	0.008	29.0	0.13	0.007	
0.15	80.8	1.61	0.046	32.9	0.50	0.019	31.2	0.38	0.018	30.4	0.29	0.017	30.1	0.24	0.017	
0.20	66.9	1.67	0.068	35.9	0.59	0.036	36.1	0.52	0.036	36.4	0.49	0.035	32.3	0.40	0.032	
0.25	92.9	3.24	0.147	36.8	0.74	0.058	37.1	0.71	0.059	36.4	0.66	0.057	34.1	0.56	0.052	
0.30	119.5	5.46	0.272	50.0	1.75	0.114	47.1	1.36	0.095	37.1	1.06	0.084	35.5	0.80	0.078	
0.35	87.7	4.48	0.272	50.3	1.77	0.156	41.9	1.40	0.130	38.2	1.24	0.118	37.7	1.11	0.112	
0.40	185.1	11.33	0.750	77.3	4.22	0.313	61.3	3.26	0.247	50.3	2.43	0.202	41.1	1.66	0.158	
0.45	230.6	15.86	1.183	90.8	5.84	0.466	65.5	4.06	0.335	59.6	3.42	0.303	46.4	2.36	0.224	
0.50	250.9	19.38	1.589	106.0	7.10	0.671	90.0	6.50	0.568	74.3	4.75	0.464	50.9	3.06	0.300	
0.55	287.3	24.83	2.201	159.1	12.91	1.247	122.0	9.62	0.931	88.0	6.53	0.664	53.0	3.60	0.375	
0.60	313.7	29.66	2.860	136.7	12.90	1.245	109.6	10.25	0.995	82.8	7.37	0.743	52.4	3.93	0.439	
0.65	318.7	31.88	3.411	92.1	8.90	0.985	82.9	8.31	0.883	70.1	7.05	0.737	50.3	4.17	0.489	
0.70	523.2	57.75	6.494	129.6	13.77	1.607	87.2	9.13	1.077	62.4	6.92	0.760	47.6	4.34	0.531	
0.75	283.4	33.87	4.038	111.3	13.15	1.583	74.5	9.09	1.057	61.2	7.27	0.855	44.7	4.47	0.567	
0.80	450.7	57.34	7.307	129.9	15.93	2.105	87.9	11.44	1.417	61.3	7.67	0.972	41.5	4.54	0.593	
0.85	202.0	27.21	3.698	135.3	17.47	2.476	99.1	12.83	1.804	67.2	8.38	1.210	39.1	4.54	0.656	
0.90	274.4	39.47	5.631	105.3	14.40	2.159	91.5	12.74	1.868	66.7	9.29	1.346	38.9	4.69	0.729	
0.95	138.8	21.61	3.173	99.5	14.84	2.273	85.8	12.84	1.952	63.5	9.57	1.424	37.9	4.90	0.785	
1.00	317.7	50.52	8.048	107.2	17.04	2.714	81.4	13.17	2.051	58.3	9.39	1.444	36.3	5.01	0.825	
1.10	102.3	18.25	3.136	66.8	12.52	2.043	51.0	10.10	1.554	44.2	7.51	1.233	32.2	5.04	0.864	
1.20	153.3	29.53	5.593	78.2	15.71	2.850	53.2	10.67	1.930	36.7	7.82	1.304	28.1	5.00	0.877	
1.30	91.9	20.14	3.934	66.2	13.50	2.829	50.1	9.81	2.132	33.3	7.13	1.386	24.3	4.97	0.875	
1.40	139.4	31.79	6.921	63.6	15.03	3.152	42.8	10.44	2.114	27.3	6.68	1.331	20.9	4.95	0.859	
1.50	128.7	31.03	7.337	57.7	13.77	3.284	38.8	9.89	2.196	27.3	7.10	1.515	18.6	4.86	0.894	
1.60	98.6	26.09	6.396	48.7	13.50	3.156	36.5	11.17	2.350	25.4	7.69	1.595	17.2	4.82	0.917	
1.70	98.1	26.31	7.184	42.9	13.51	3.132	31.1	9.133	2.259	22.2	6.89	1.570	16.2	4.76	0.961	
1.80	43.5	14.79	3.567	29.0	9.97	2.379	23.9	8.57	1.953	19.5	6.86	1.553	14.8	4.63	0.975	
1.90	48.5	14.57	4.436	21.6	8.88	1.976	18.4	7.42	1.677	16.2	6.32	1.435	13.4	4.56	0.963	
2.00	21.2	7.96	2.149	16.7	6.14	1.685	14.3	6.35	1.442	13.6	6.12	1.338	11.9	4.63	0.935	
2.20	21.0	9.80	2.577	15.2	7.87	1.860	12.4	6.91	1.511	9.9	5.90	1.178	9.3	4.59	0.873	
2.40	25.8	10.23	3.761	12.5	6.52	1.825	9.9	5.60	1.437	8.1	4.92	1.125	7.8	4.44	0.827	
2.60	11.3	5.79	1.933	8.8	5.52	1.511	7.2	5.26	1.227	6.1	4.87	0.981	6.8	4.26	0.805	
2.80	12.3	6.10	2.448	8.1	4.97	1.603	6.6	4.75	1.282	5.6	4.59	1.019	6.2	4.18	0.814	
3.00	8.3	5.21	1.900	5.9	4.90	1.343	5.2	4.60	1.156	4.9	4.28	1.036	5.6	4.09	0.814	
3.20	6.2	4.42	1.607	5.3	4.48	1.370	4.7	4.34	1.194	4.3	4.11	1.016	5.0	4.01	0.801	
3.40	4.8	4.59	1.412	3.3	4.30	0.974	3.3	4.17	0.933	3.5	4.06	0.910	4.5	3.94	0.777	
3.60	4.4	4.79	1.457	3.3	4.20	1.063	2.8	4.07	0.894	2.9	3.97	0.817	4.1	3.88	0.747	
3.80	3.9	4.34	1.421	2.6	3.95	0.937	2.4	3.87	0.846	2.5	3.82	0.751	3.8	3.82	0.716	
4.00	2.6	4.50	1.045	1.9	4.19	0.742	1.9	3.99	0.724	2.1	3.81	0.697	3.5	3.78	0.687	

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

RESPONSE SPECTRUM

RECORD = S-1188 COMPONENT = S33W SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = KEJHIN-JIS
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 28.57 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 4.00 (SEC)

DAMPING = 0.025 DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	44.7	0.15	0.003	31.0	0.04	0.002	30.4	0.04	0.002	30.1	0.03	0.002
0.10	142.8	2.02	0.036	35.5	0.22	0.009	34.4	0.17	0.007	33.6	0.14	0.008
0.15	53.2	1.06	0.030	38.6	0.37	0.022	36.7	0.30	0.021	34.6	0.26	0.020
0.20	81.9	2.38	0.083	48.0	0.71	0.049	43.9	0.57	0.044	39.7	0.47	0.040
0.25	164.0	5.70	0.260	47.5	1.25	0.075	42.9	0.87	0.068	39.3	0.65	0.062
0.30	89.6	4.08	0.204	45.9	1.46	0.105	43.2	1.22	0.098	40.4	1.01	0.091
0.35	95.4	4.81	0.296	54.3	2.34	0.168	45.4	1.87	0.141	40.4	1.51	0.124
0.40	128.2	7.74	0.520	52.9	2.58	0.214	44.1	2.20	0.178	44.1	1.86	0.177
0.45	182.3	12.51	0.935	77.8	4.02	0.399	66.7	3.30	0.341	55.2	2.57	0.280
0.50	187.1	14.36	1.185	82.0	5.83	0.520	62.2	4.08	0.393	55.3	2.90	0.347
0.55	428.0	37.05	3.280	103.8	8.53	0.795	78.4	6.19	0.998	56.3	4.02	0.427
0.60	459.2	43.67	4.188	125.1	11.28	1.139	89.0	7.79	0.808	67.0	5.29	0.604
0.65	282.1	28.40	3.019	165.3	16.47	1.765	123.4	12.03	1.315	86.7	8.10	0.913
0.70	765.5	85.35	9.501	209.7	23.85	2.602	130.5	14.32	1.612	91.8	9.66	1.119
0.75	151.2	17.98	2.154	130.9	15.58	1.863	103.7	12.53	1.471	87.5	10.05	1.231
0.80	291.5	37.55	4.726	131.3	17.02	2.126	101.3	13.25	1.634	83.3	10.25	1.321
0.85	258.8	34.58	4.736	92.1	12.57	1.684	88.3	12.53	1.606	80.1	10.53	1.434
0.90	249.3	36.61	5.115	126.9	18.76	2.601	105.7	15.16	2.150	81.2	11.99	1.629
0.95	262.8	40.49	6.008	147.5	22.57	3.367	115.0	18.25	2.616	80.7	13.34	1.807
1.00	292.9	47.06	7.419	156.1	26.80	3.951	117.9	20.11	2.968	80.1	13.49	1.981
1.10	238.7	41.95	7.315	83.9	16.26	2.568	72.0	14.32	2.190	55.3	11.27	1.647
1.20	130.9	26.75	4.776	73.9	15.21	2.692	57.4	10.90	2.082	40.4	8.44	1.442
1.30	167.5	35.43	7.170	85.1	17.77	3.638	60.6	12.46	2.579	37.7	8.36	1.578
1.40	138.6	30.93	6.881	64.7	15.95	3.209	46.5	11.66	2.294	33.4	7.96	1.622
1.50	48.3	13.60	2.750	39.7	10.60	2.257	34.2	9.15	1.938	27.3	7.61	1.517
1.60	73.8	18.90	4.784	43.1	11.35	2.792	33.2	8.95	2.439	22.9	7.52	1.441
1.70	86.0	24.16	6.298	41.7	13.31	3.049	30.0	10.05	2.183	19.9	7.08	1.424
1.80	33.8	12.41	2.772	25.8	8.58	2.112	23.6	7.74	1.920	17.8	6.62	1.421
1.90	36.2	11.23	3.312	21.3	7.49	1.946	18.4	6.45	1.668	14.6	6.00	1.286
2.00	21.2	6.65	2.144	15.2	5.97	1.537	14.8	5.47	1.485	13.0	5.31	1.261
2.20	11.6	6.72	1.428	12.0	5.35	1.461	11.3	5.01	1.369	10.0	4.90	1.160
2.40	10.7	5.37	1.565	8.7	5.25	1.260	8.1	4.96	1.166	7.6	4.57	1.051
2.60	12.1	7.26	2.071	7.4	5.53	1.285	6.1	4.91	1.040	5.7	4.43	0.920
2.80	10.8	5.98	2.142	6.7	4.84	1.331	5.1	4.48	1.006	4.3	4.17	0.803
3.00	7.6	5.80	1.726	5.1	4.92	1.163	4.2	4.52	0.946	3.8	4.21	0.830
3.20	10.3	6.93	2.683	6.7	4.75	1.725	5.2	4.46	1.334	4.1	4.18	1.005
3.40	6.3	5.15	1.848	5.3	4.53	1.539	4.4	4.37	1.278	3.6	4.25	1.005
3.60	5.6	4.52	1.824	3.7	4.16	1.123	3.5	4.22	1.126	3.2	4.24	0.987
3.80	3.4	4.83	1.228	3.2	4.45	1.151	3.1	4.31	1.092	2.9	4.23	0.981
4.00	2.7	4.24	1.113	2.6	4.19	1.058	2.7	4.18	1.052	2.6	4.19	0.961
4.20	11.6	6.72	1.428	12.0	5.35	1.461	11.3	5.01	1.369	10.0	4.90	1.160
4.40	10.7	5.37	1.565	8.7	5.25	1.260	8.1	4.96	1.166	7.6	4.57	1.051
4.60	12.1	7.26	2.071	7.4	5.53	1.285	6.1	4.91	1.040	5.7	4.43	0.920
4.80	10.8	5.98	2.142	6.7	4.84	1.331	5.1	4.48	1.006	4.3	4.17	0.803
5.00	7.6	5.80	1.726	5.1	4.92	1.163	4.2	4.52	0.946	3.8	4.21	0.830
5.20	10.3	6.93	2.683	6.7	4.75	1.725	5.2	4.46	1.334	4.1	4.18	1.005
5.40	6.3	5.15	1.848	5.3	4.53	1.539	4.4	4.37	1.278	3.6	4.25	1.005
5.60	5.6	4.52	1.824	3.7	4.16	1.123	3.5	4.22	1.126	3.2	4.24	0.987
5.80	3.4	4.83	1.228	3.2	4.45	1.151	3.1	4.31	1.092	2.9	4.23	0.981
6.00	2.7	4.24	1.113	2.6	4.19	1.058	2.7	4.18	1.052	2.6	4.19	0.961

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

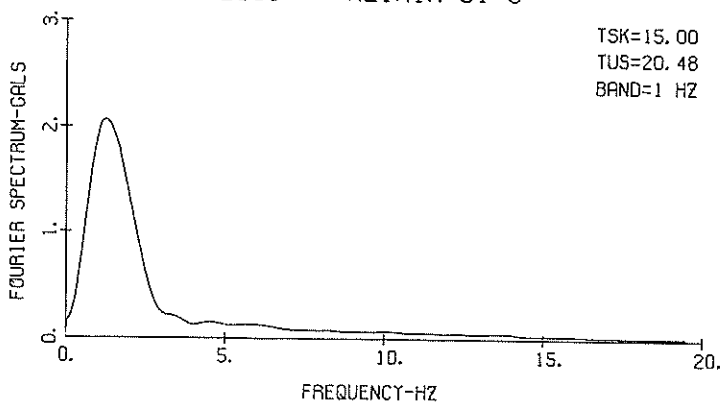
RESPONSE SPECTRUM

RECORD = S-1188 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = KEIHN-JI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 12.08 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 4.00 (SEC)

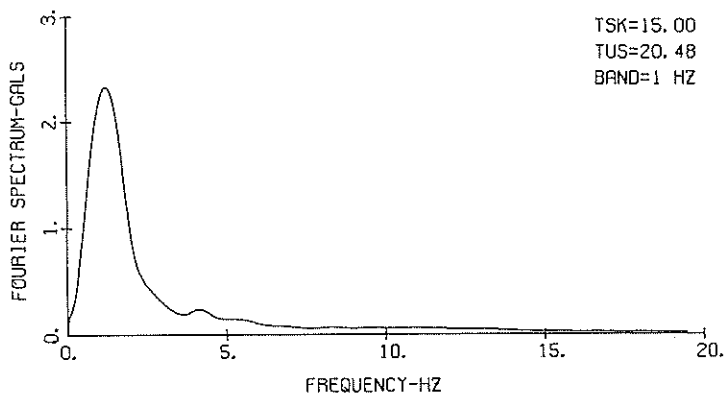
PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	20.1	0.09	0.001	13.3	0.02	0.001	12.7	0.02	0.001	12.4	0.02	0.001	12.4	0.02	0.001
0.10	101.5	1.57	0.026	13.2	0.16	0.003	13.0	0.11	0.003	13.5	0.08	0.003	13.1	0.06	0.003
0.15	70.5	1.68	0.040	14.3	0.24	0.008	13.2	0.17	0.008	13.0	0.14	0.007	13.1	0.10	0.007
0.20	56.1	1.67	0.057	17.5	0.44	0.018	15.6	0.31	0.018	14.7	0.25	0.015	13.9	0.20	0.014
0.25	97.0	3.76	0.154	22.8	0.85	0.036	18.1	0.61	0.028	14.9	0.42	0.022	13.7	0.30	0.021
0.30	92.5	4.21	0.211	28.4	1.42	0.065	22.3	0.84	0.051	17.6	0.62	0.040	15.1	0.50	0.033
0.35	56.4	3.03	0.175	29.5	1.55	0.091	26.6	1.13	0.082	22.9	0.76	0.070	17.4	0.62	0.051
0.40	114.6	7.18	0.465	39.3	2.40	0.159	31.2	1.83	0.126	24.6	1.33	0.098	18.0	0.76	0.068
0.45	98.0	6.91	0.503	31.3	2.19	0.161	22.5	1.48	0.115	21.1	1.28	0.107	17.4	0.81	0.082
0.50	61.2	4.73	0.388	31.0	2.22	0.196	24.6	1.72	0.155	18.5	1.27	0.115	16.6	0.86	0.096
0.55	120.4	10.41	0.923	28.5	2.43	0.218	22.8	1.77	0.174	18.5	1.35	0.140	16.0	0.93	0.111
0.60	211.2	19.99	1.926	49.2	4.40	0.448	32.8	2.80	0.298	22.3	1.78	0.200	15.6	1.03	0.127
0.65	87.9	8.93	0.941	36.1	3.59	0.386	31.5	3.15	0.336	23.3	2.18	0.246	15.1	1.14	0.142
0.70	72.5	7.71	0.900	39.7	4.23	0.492	28.1	3.07	0.347	20.5	2.14	0.250	14.4	1.25	0.159
0.75	43.9	5.06	0.625	32.6	3.95	0.463	25.4	3.14	0.359	20.3	2.40	0.284	13.6	1.35	0.176
0.80	84.5	10.95	1.369	45.7	5.87	0.739	32.7	4.12	0.527	21.5	2.74	0.340	13.0	1.42	0.189
0.85	64.7	8.34	1.184	37.7	5.33	0.690	28.4	4.10	0.516	19.7	2.85	0.354	12.2	1.49	0.198
0.90	47.2	6.77	0.968	27.5	3.12	0.462	19.0	3.03	0.388	16.6	2.60	0.334	11.4	1.53	0.203
0.95	65.7	10.00	1.502	25.3	3.57	0.577	17.6	2.73	0.401	14.8	2.43	0.332	10.7	1.51	0.229
1.00	47.8	7.78	1.211	23.1	4.06	0.584	20.2	3.39	0.510	15.9	2.46	0.395	11.1	1.62	0.259
1.10	56.1	9.73	1.719	30.6	5.38	0.938	22.1	3.97	0.674	17.7	2.86	0.533	11.6	1.83	0.321
1.20	65.0	12.29	2.370	34.5	6.52	1.257	27.5	5.20	1.000	19.6	3.65	0.703	11.8	2.01	0.375
1.30	70.3	14.14	3.008	38.2	8.19	1.633	26.8	5.75	1.139	19.2	4.03	0.806	11.3	2.15	0.412
1.40	92.1	20.69	4.574	30.6	7.40	1.518	23.2	5.68	1.143	16.9	3.95	0.818	10.3	2.18	0.428
1.50	42.7	10.37	2.433	21.7	5.38	1.011	17.9	4.53	1.011	13.8	3.42	0.764	9.1	2.18	0.426
1.60	22.8	6.31	1.478	18.0	4.64	1.166	14.1	4.14	0.910	11.5	3.42	0.731	7.7	2.22	0.427
1.70	21.9	6.30	1.600	13.9	4.18	1.014	12.2	3.73	0.885	9.9	3.19	0.708	7.2	2.22	0.436
1.80	19.5	5.59	1.599	10.6	3.63	0.868	9.6	3.38	0.786	8.3	2.95	0.659	6.7	2.17	0.447
1.90	22.2	7.27	2.034	10.2	3.78	0.934	8.6	3.23	0.777	7.5	2.78	0.660	6.2	2.09	0.449
2.00	12.9	4.49	1.306	9.7	3.21	0.986	7.9	2.87	0.791	6.6	2.53	0.647	5.6	1.99	0.443
2.20	19.8	7.50	2.431	9.0	3.75	1.106	6.2	3.13	0.756	4.9	2.56	0.582	4.5	1.84	0.442
2.40	7.2	3.10	1.054	4.6	2.33	0.669	3.7	2.33	0.539	3.4	2.26	0.479	3.6	1.82	0.370
2.60	4.3	2.32	0.729	3.0	2.00	0.505	2.6	2.02	0.435	2.6	1.99	0.417	2.9	1.75	0.330
2.80	3.0	2.11	0.599	2.7	1.95	0.533	2.4	1.88	0.475	2.1	1.82	0.385	2.4	1.68	0.310
3.00	3.7	2.37	0.844	2.5	1.71	0.557	2.0	1.63	0.449	1.7	1.64	0.368	2.0	1.61	0.291
3.20	2.3	1.87	0.590	1.7	1.56	0.432	1.4	1.53	0.362	1.5	1.53	0.333	1.8	1.56	0.286
3.40	1.4	1.81	0.419	1.3	1.66	0.366	1.2	1.57	0.334	1.2	1.51	0.305	1.7	1.52	0.280
3.60	1.3	1.64	0.413	1.1	1.53	0.354	1.0	1.49	0.325	1.0	1.49	0.291	1.5	1.50	0.272
3.80	0.7	1.55	0.385	0.9	1.50	0.309	0.8	1.48	0.282	0.9	1.49	0.272	1.4	1.48	0.265
4.00	0.1	1.61	0.301	0.7	1.54	0.282	0.7	1.51	0.278	0.8	1.49	0.269	1.3	1.47	0.259

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

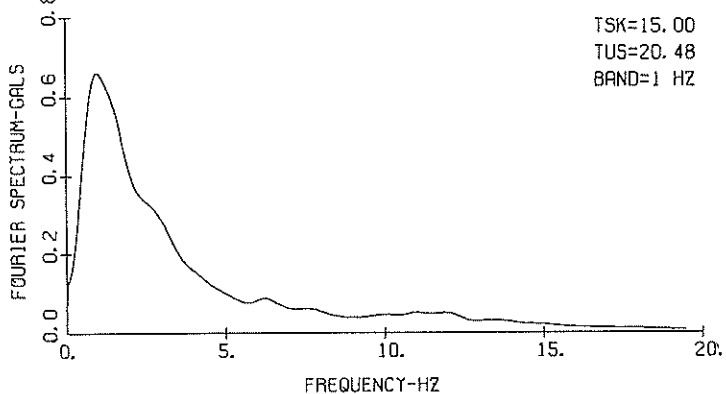
S-1188 E33S KEIHIN-JI-S



S-1188 S33W KEIHIN-JI-S



S-1188 DOWN KEIHIN-JI-S



FOURIER SPECTRA

RECORD NUMBER

S-1189

STATION

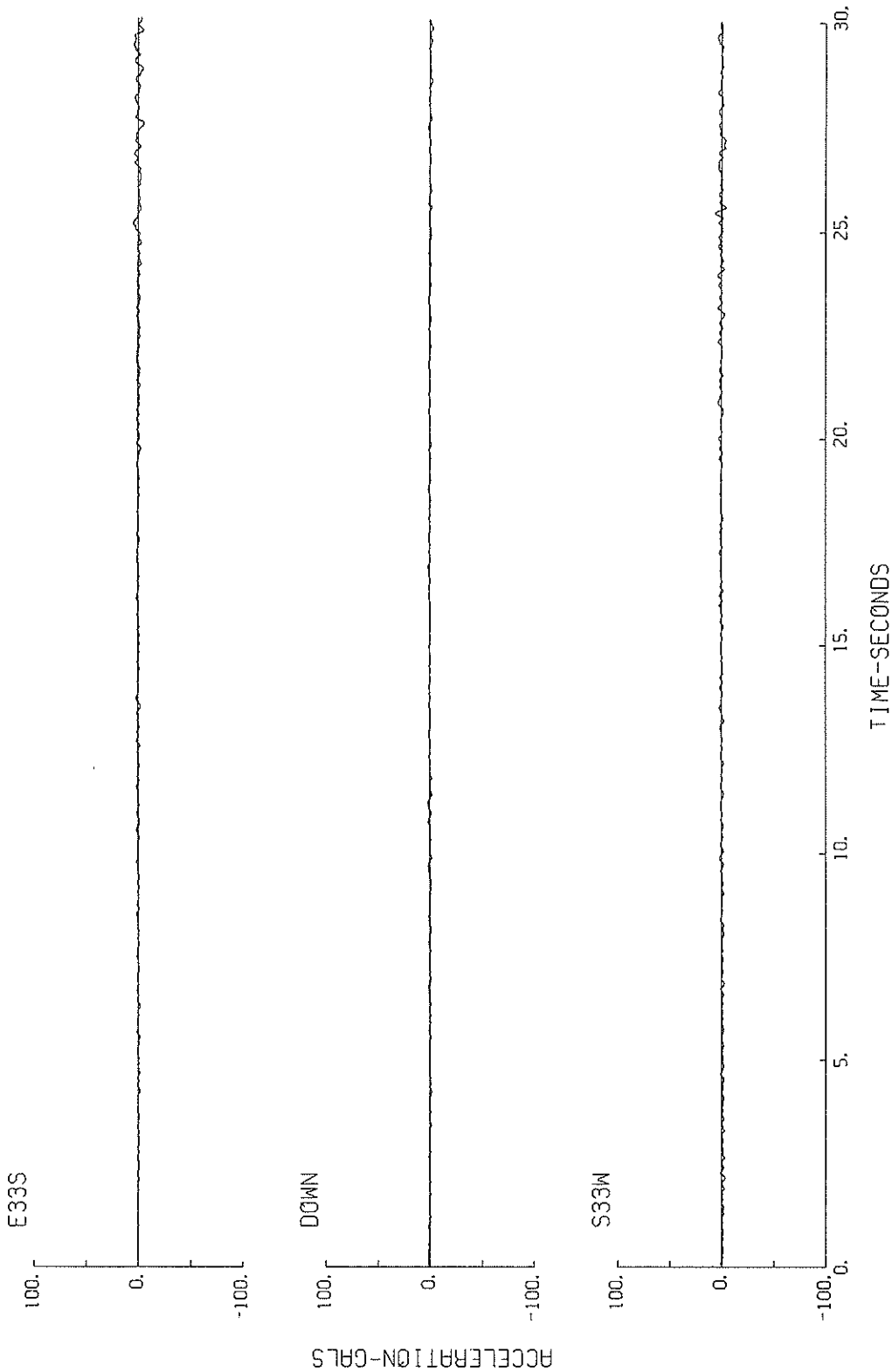
YAMASHITA-HEN-S

EARTHQUAKE DATA

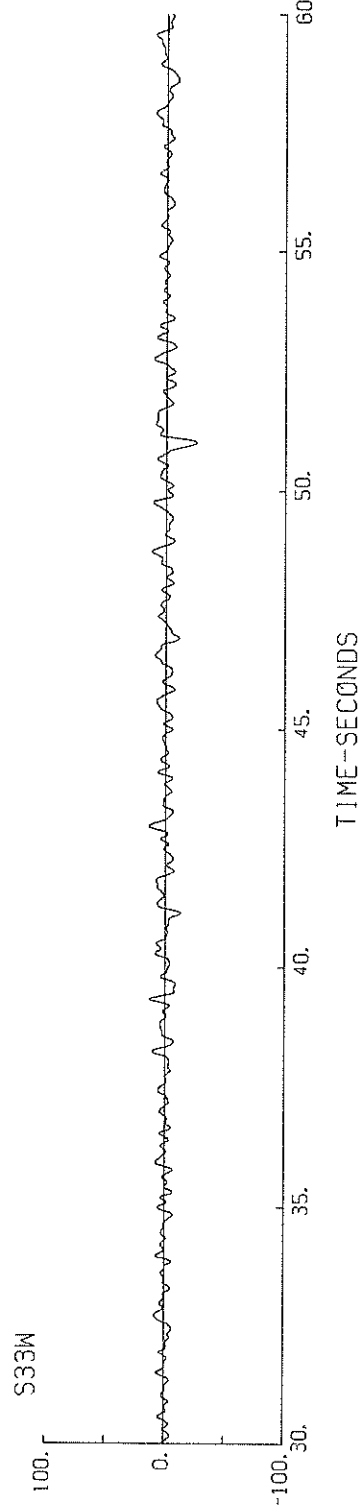
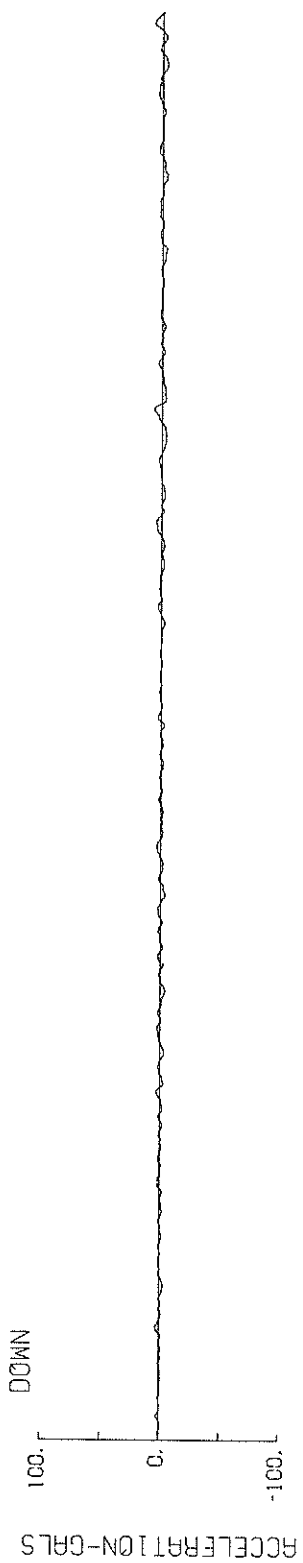
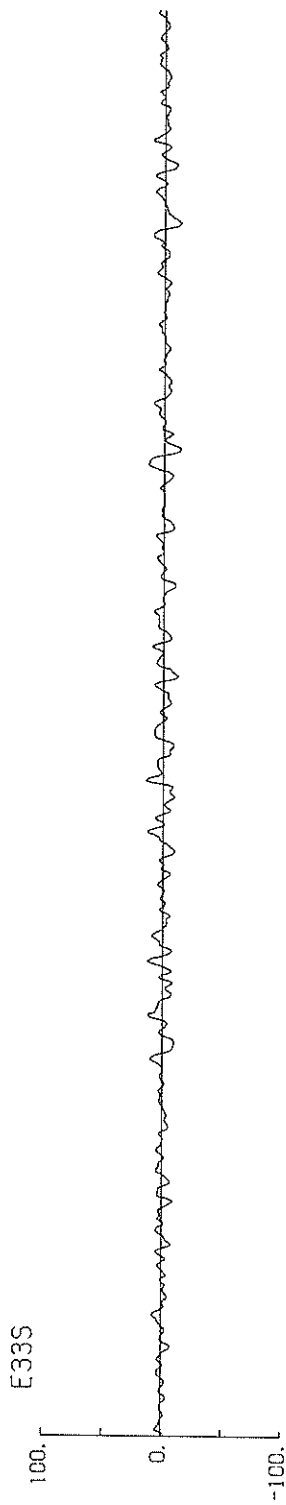
```
*****
*
*   DATE AND TIME           17:14 JUNE 12, 1978
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.
*   LATITUDE                38.15 N
*   LONGITUDE               142.17 E
*   DEPTH                   40KM
*
*   MAGNITUDE              7.4
*
*****
```

PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	E33S	S33W	DOWN
FC (HZ)	0.404	0.427	0.507
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	14.5	25.2	6.7
SMAC-B2 EQUIVALENT			
CORRECTED	18.3	26.0	7.0
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	1.93	3.35	1.84
VARIABLE FILTER	2.10	2.53	0.82
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	0.74	0.64	0.59
VARIABLE FILTER	0.38	0.45	0.21

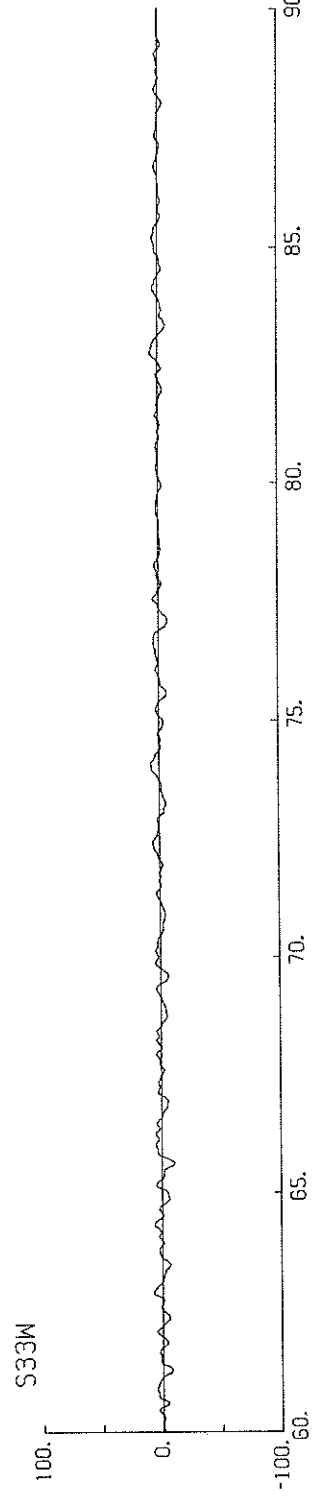
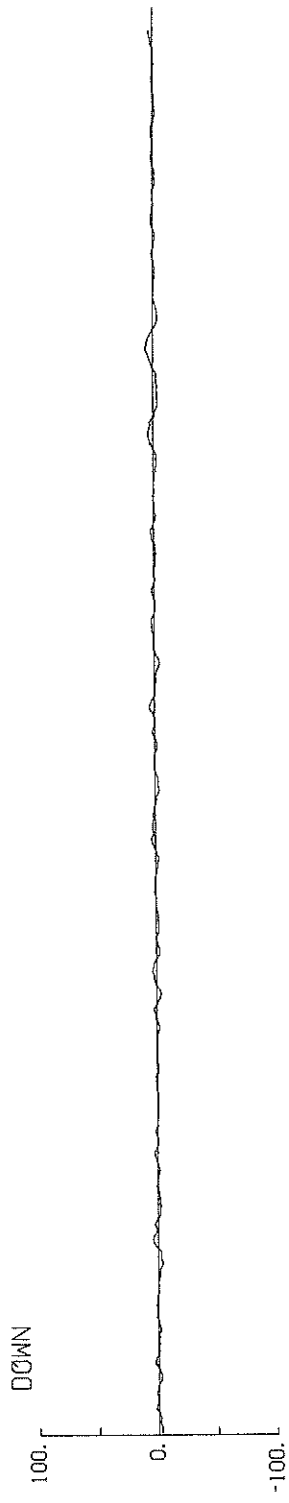
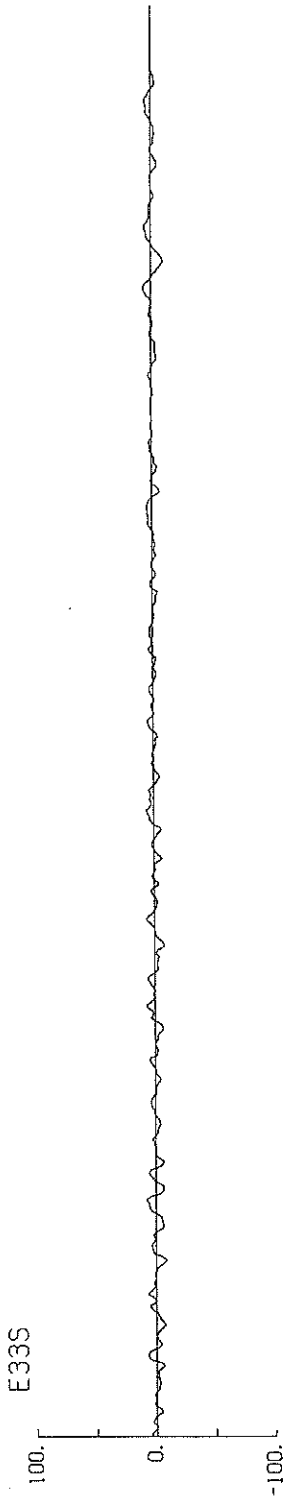
S-1189 YAMASHITA-HEN-S



S-1189 YAMASHITA-HEN-S

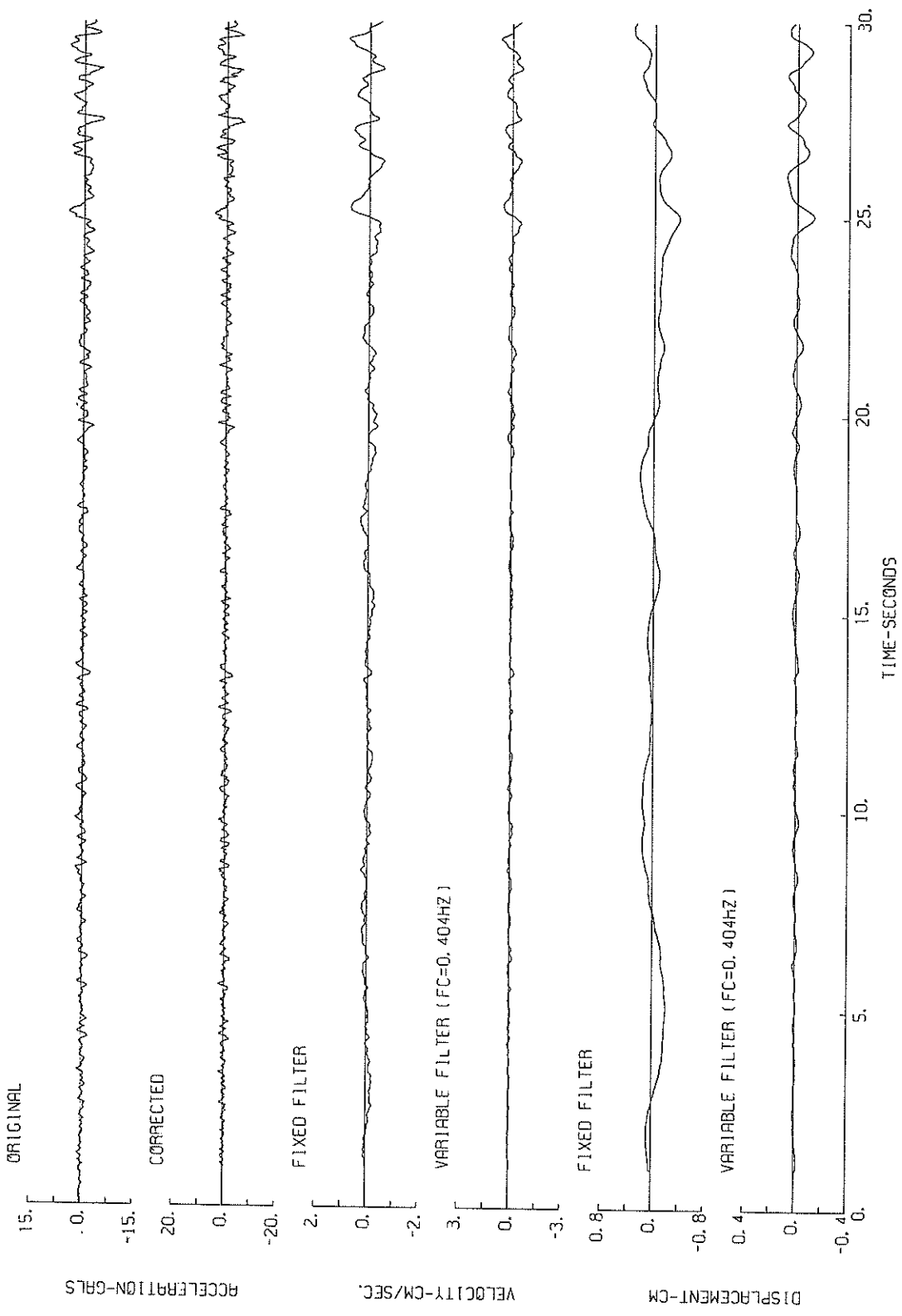


S-1189 YAMASHITA-HEN-S

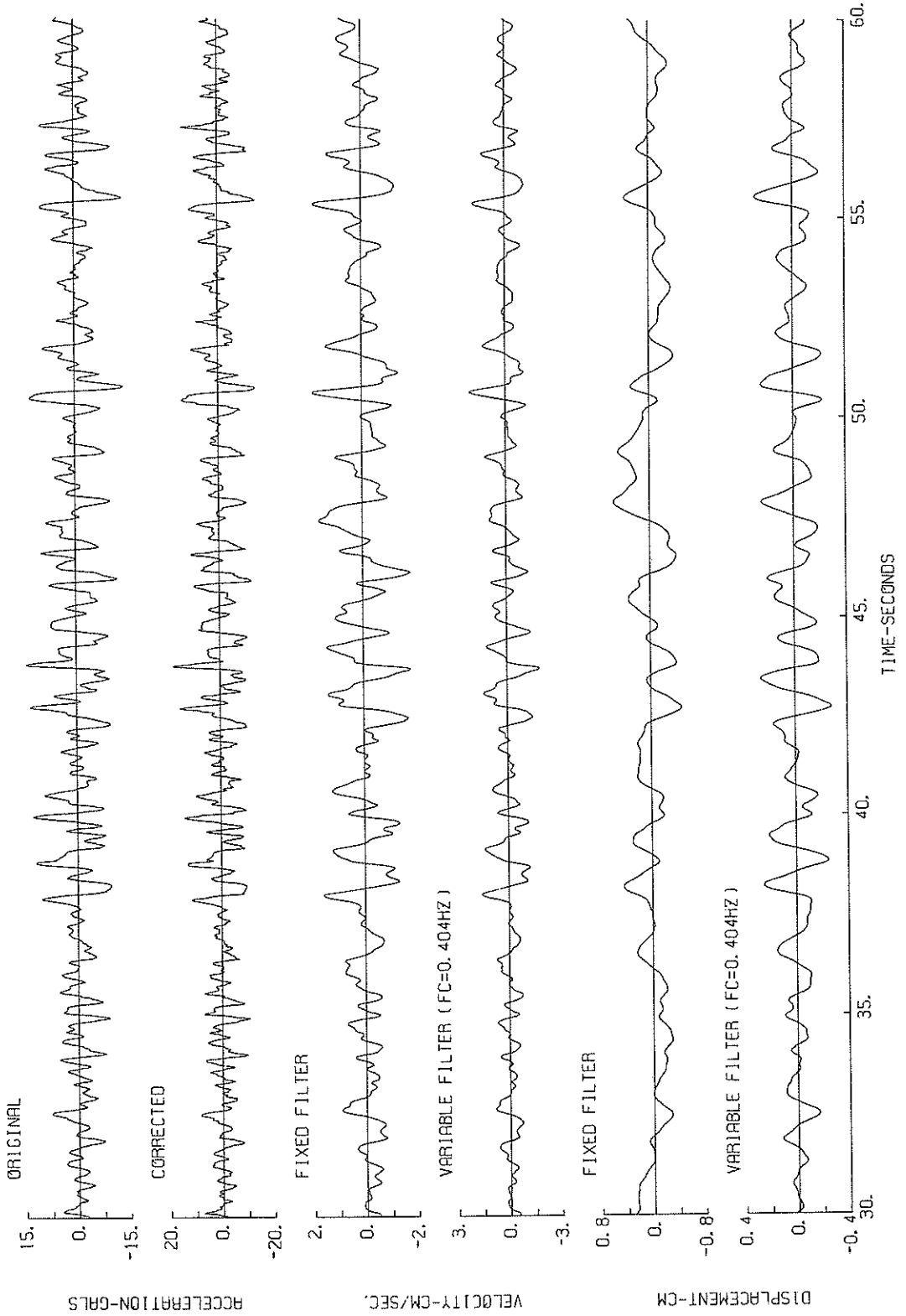


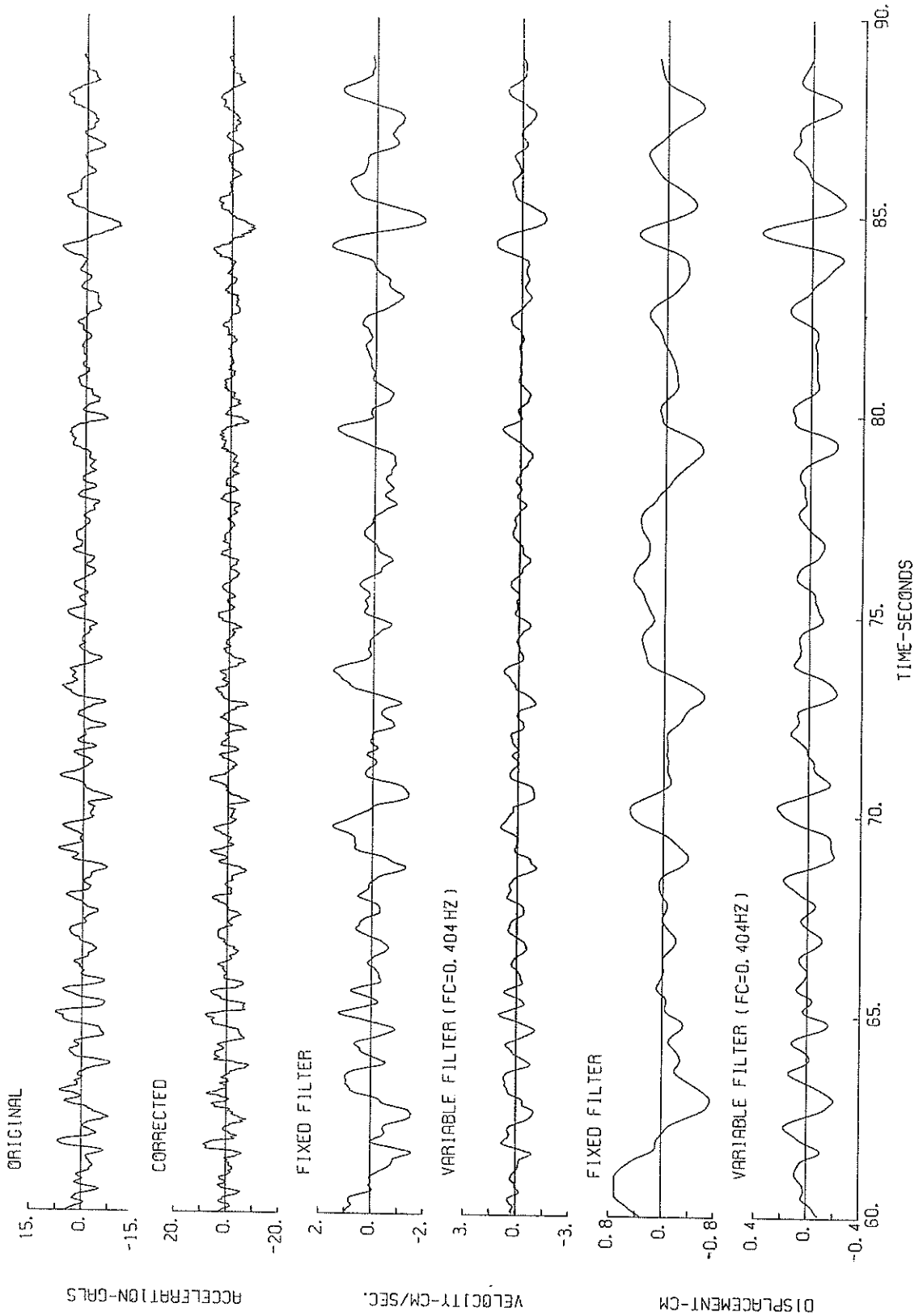
ACCELERATION-GRS

S-1189 E33S YAMASHITA-HEN-S

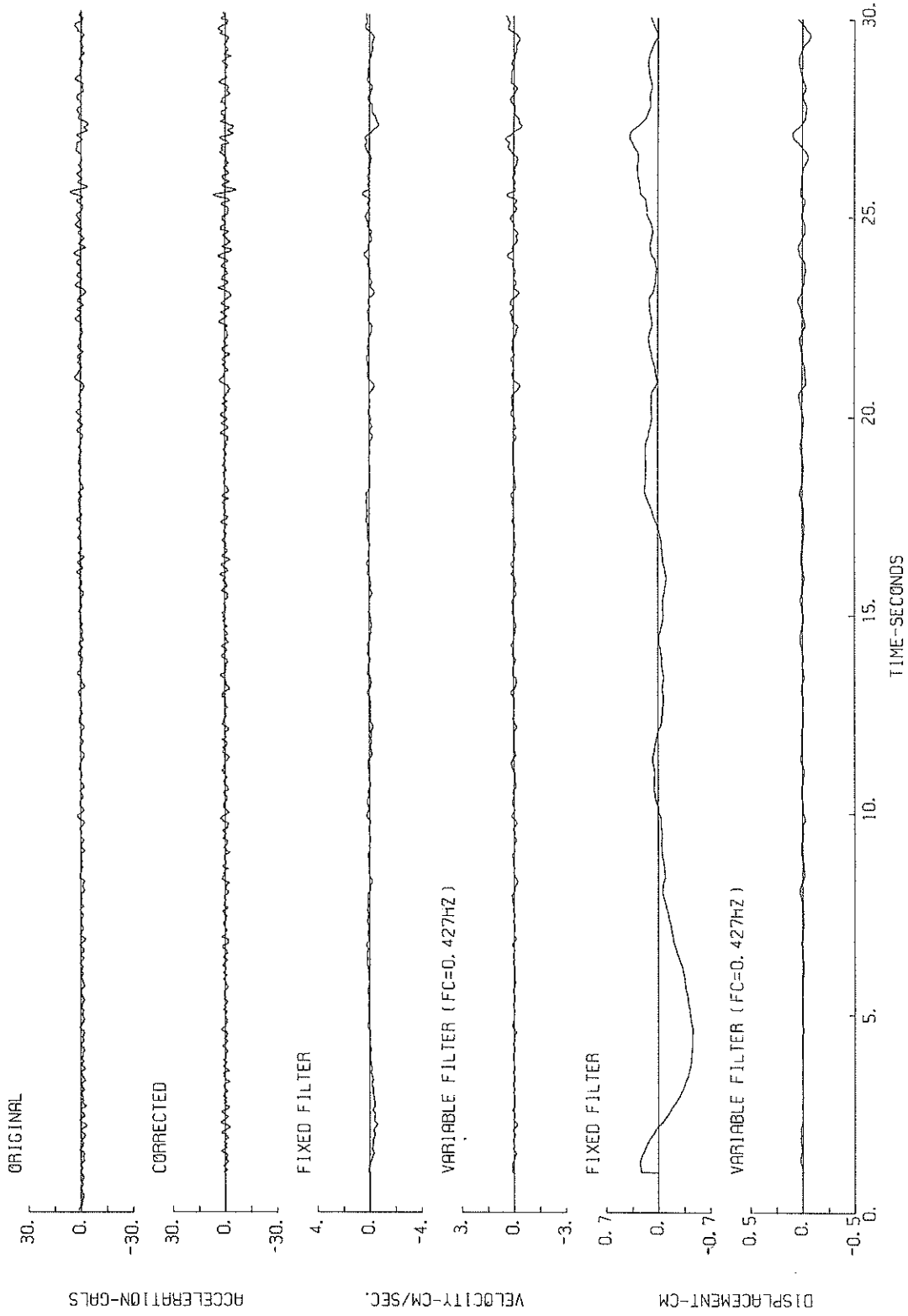


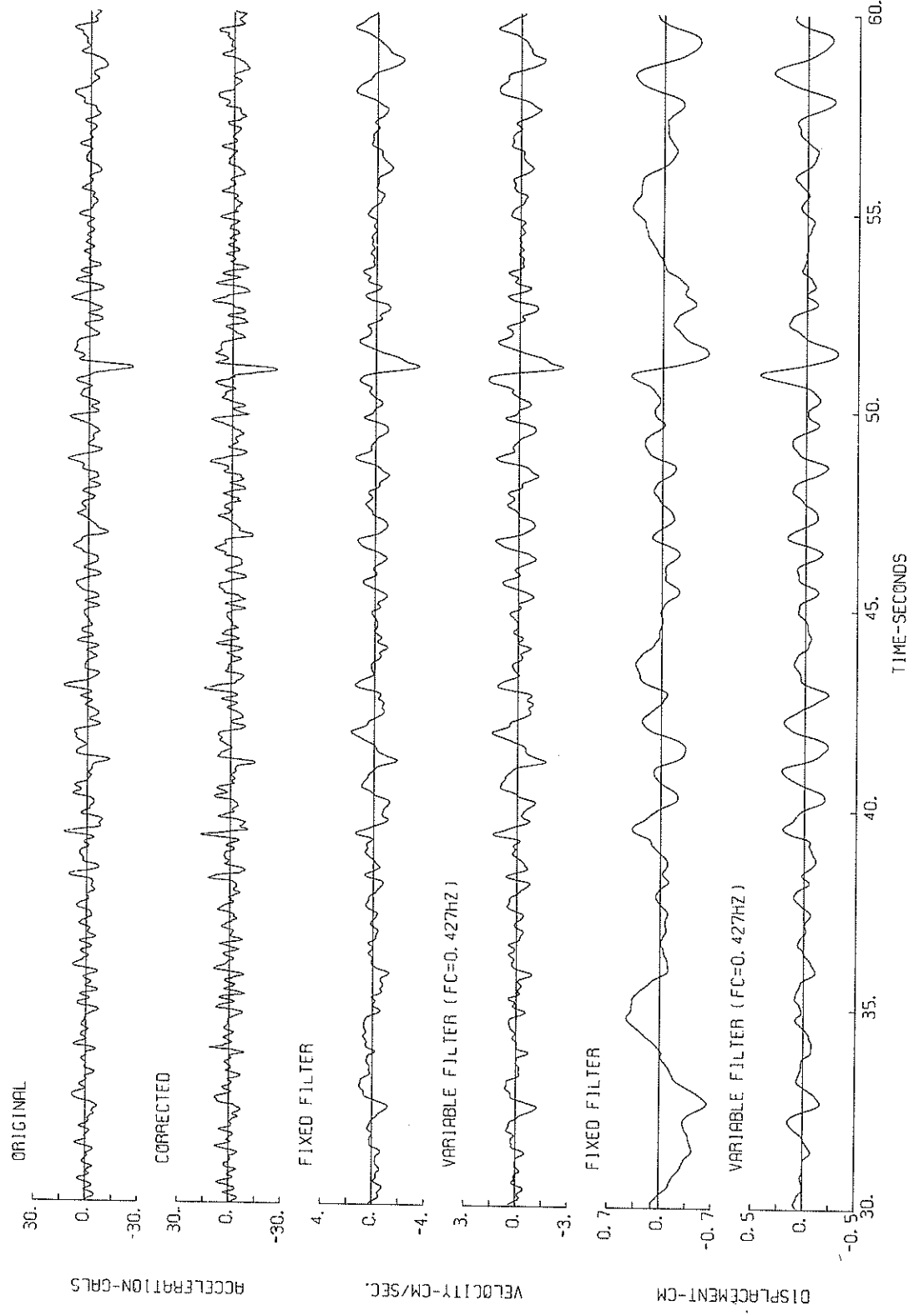
S-1189 E33S YAMASHITA-HEN-S



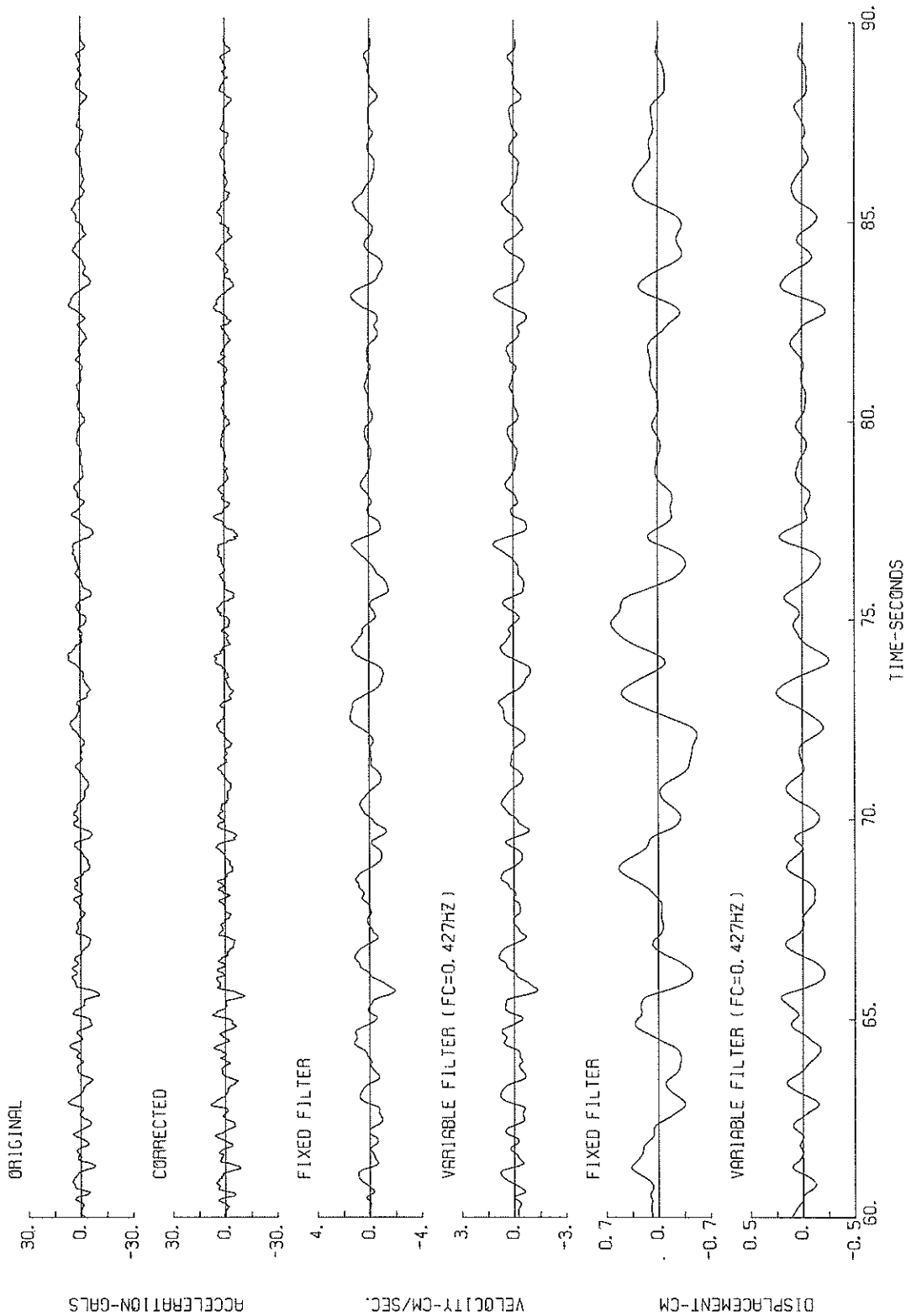


S-1189 S33W YAMASHITA-HEN-S

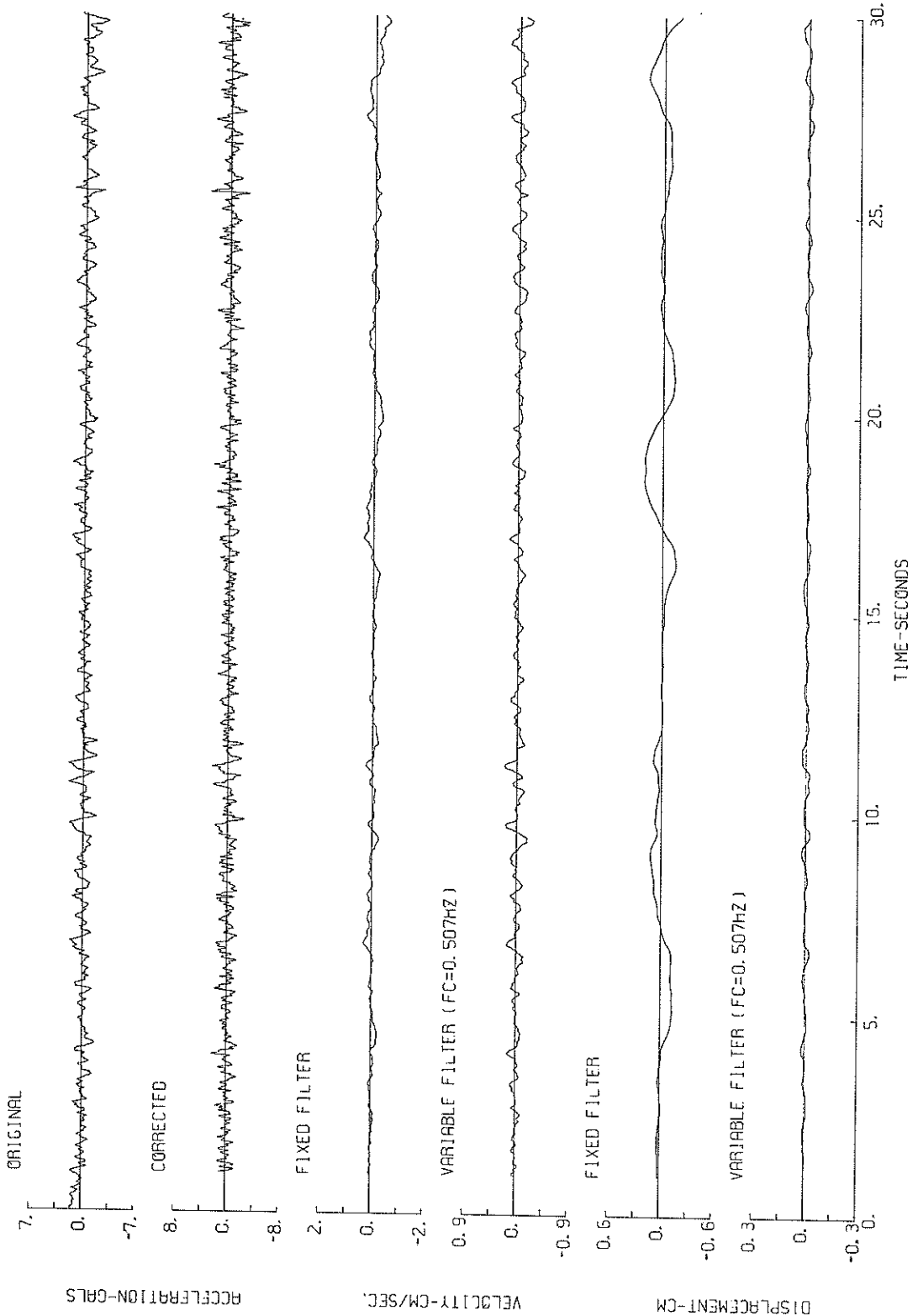




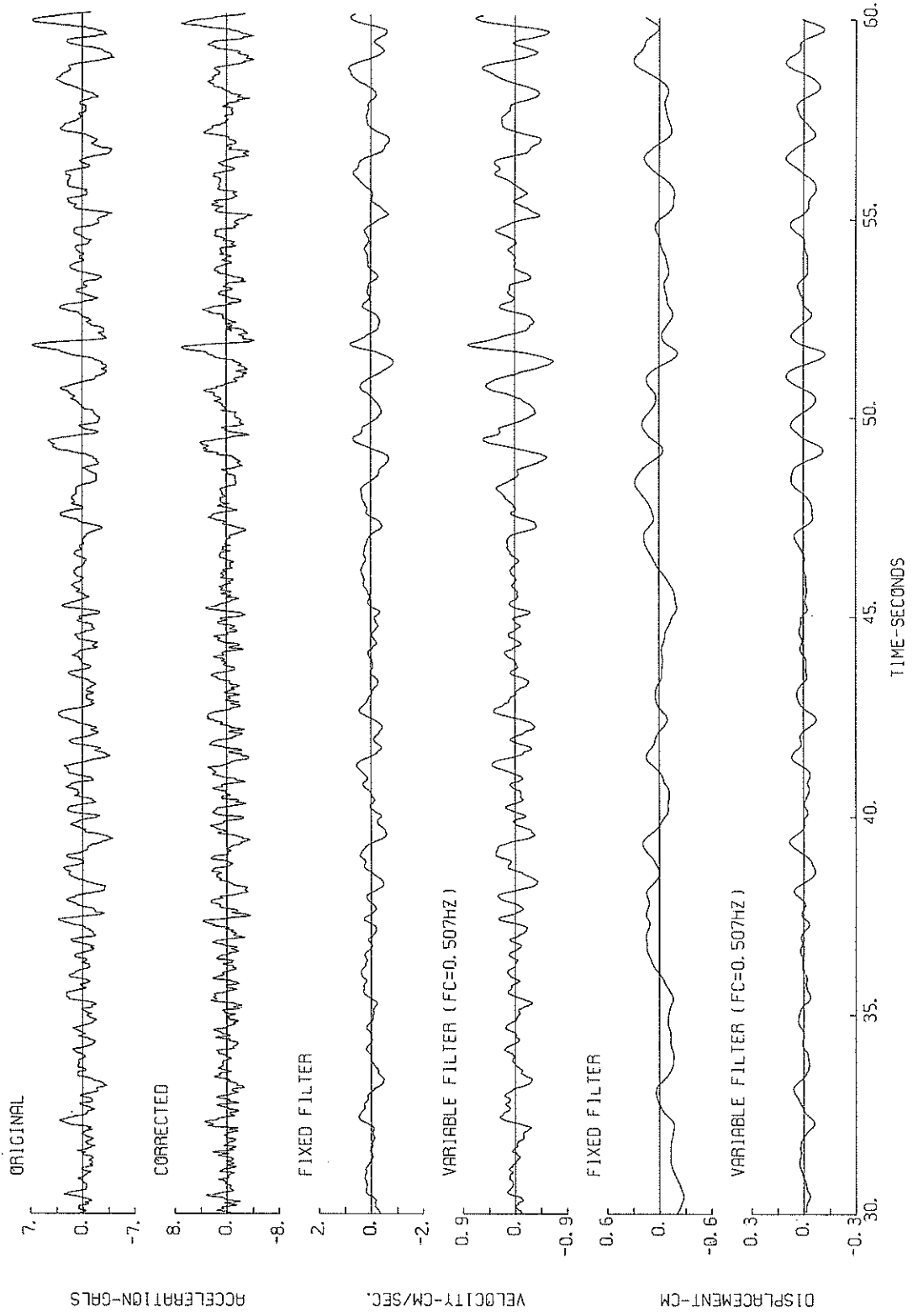
S-1189 S33W YAMASHITA-HEN-S



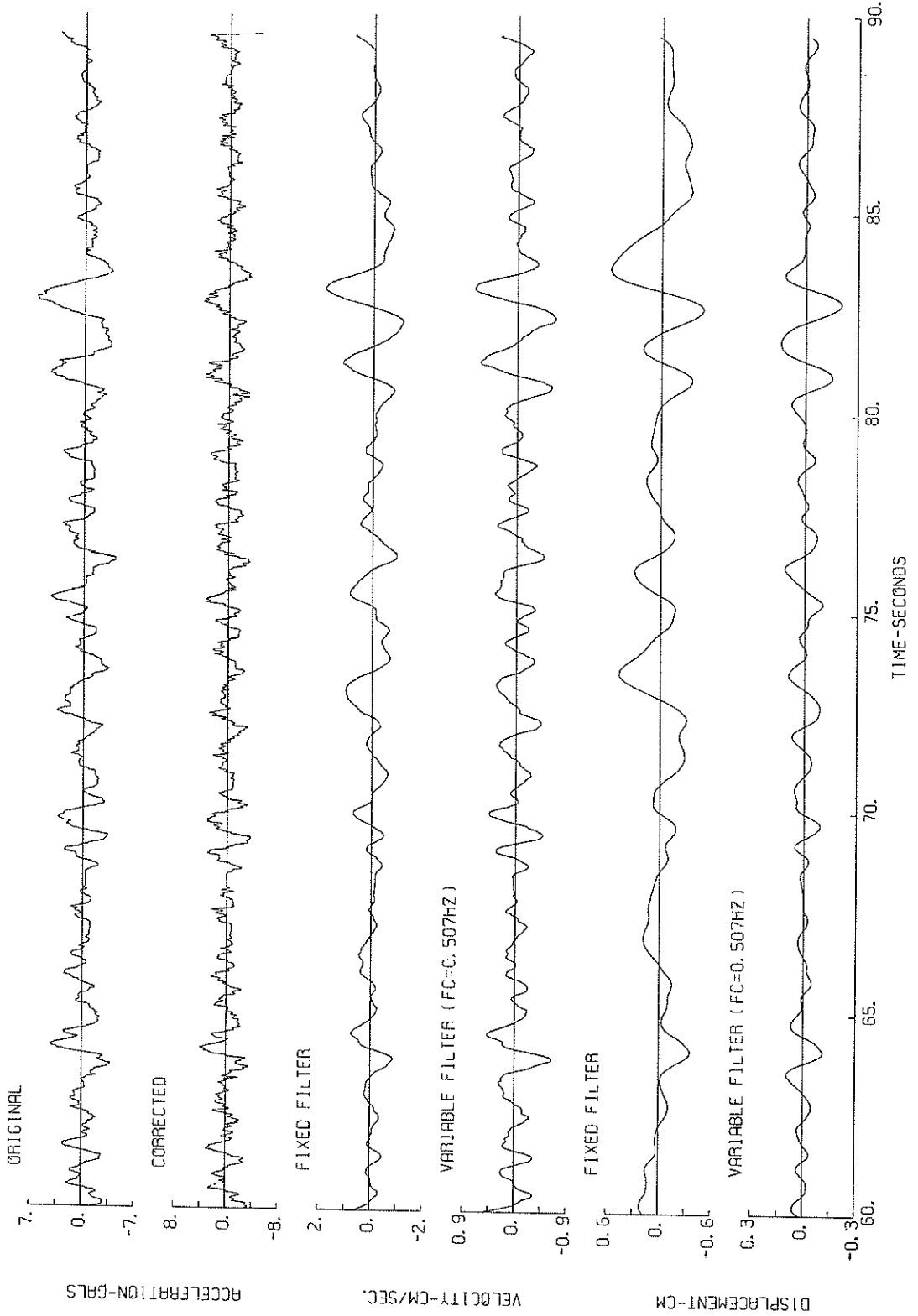
S-1189 DOWN YAMASHITA-HEN-S



S-1189 DOWN YAMASHITA-HEN-S

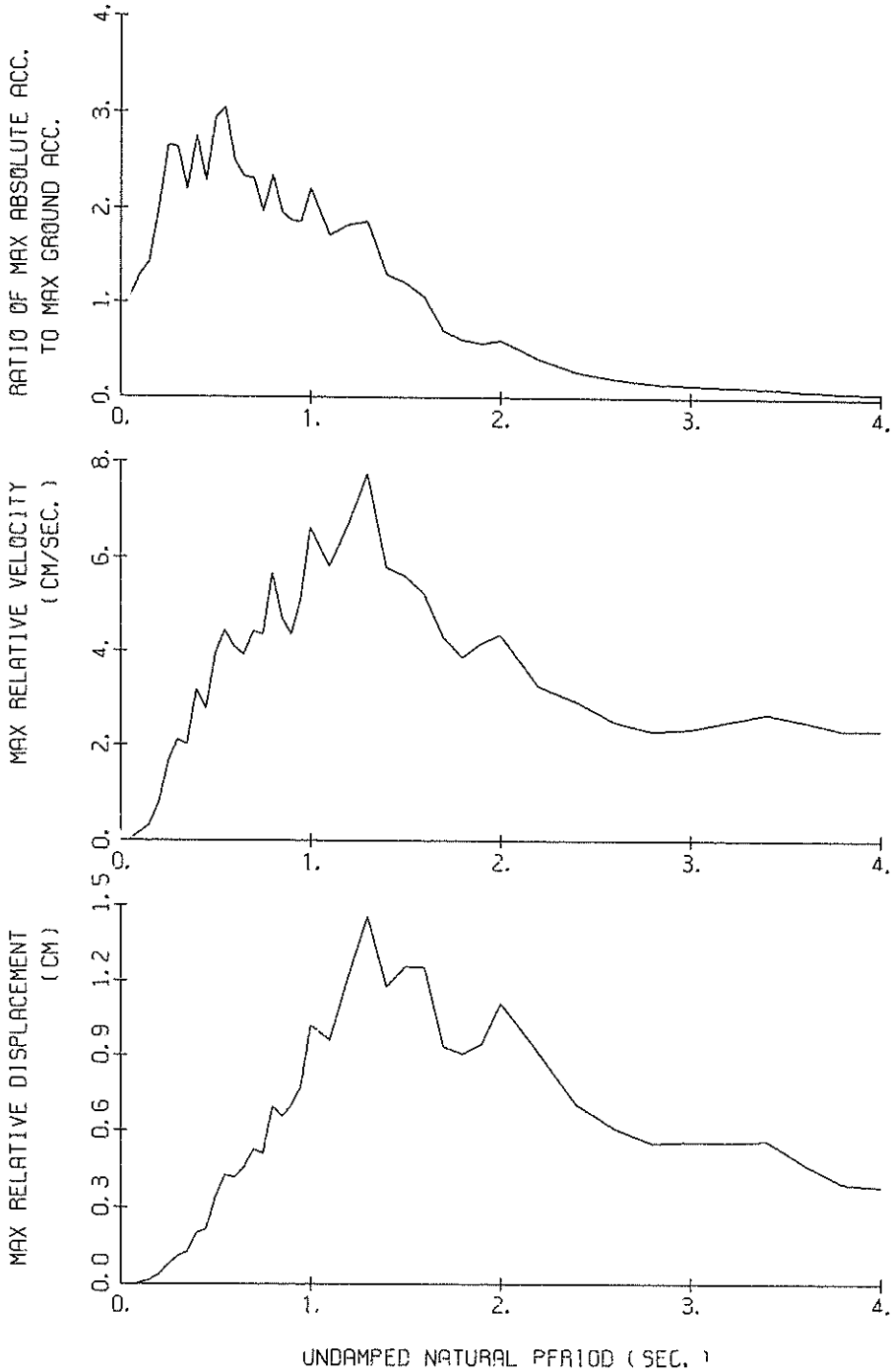


S-1189 DOWN YAMASHITA-HEN-S



S-1189 E33S YAMASHITA-HEN-S

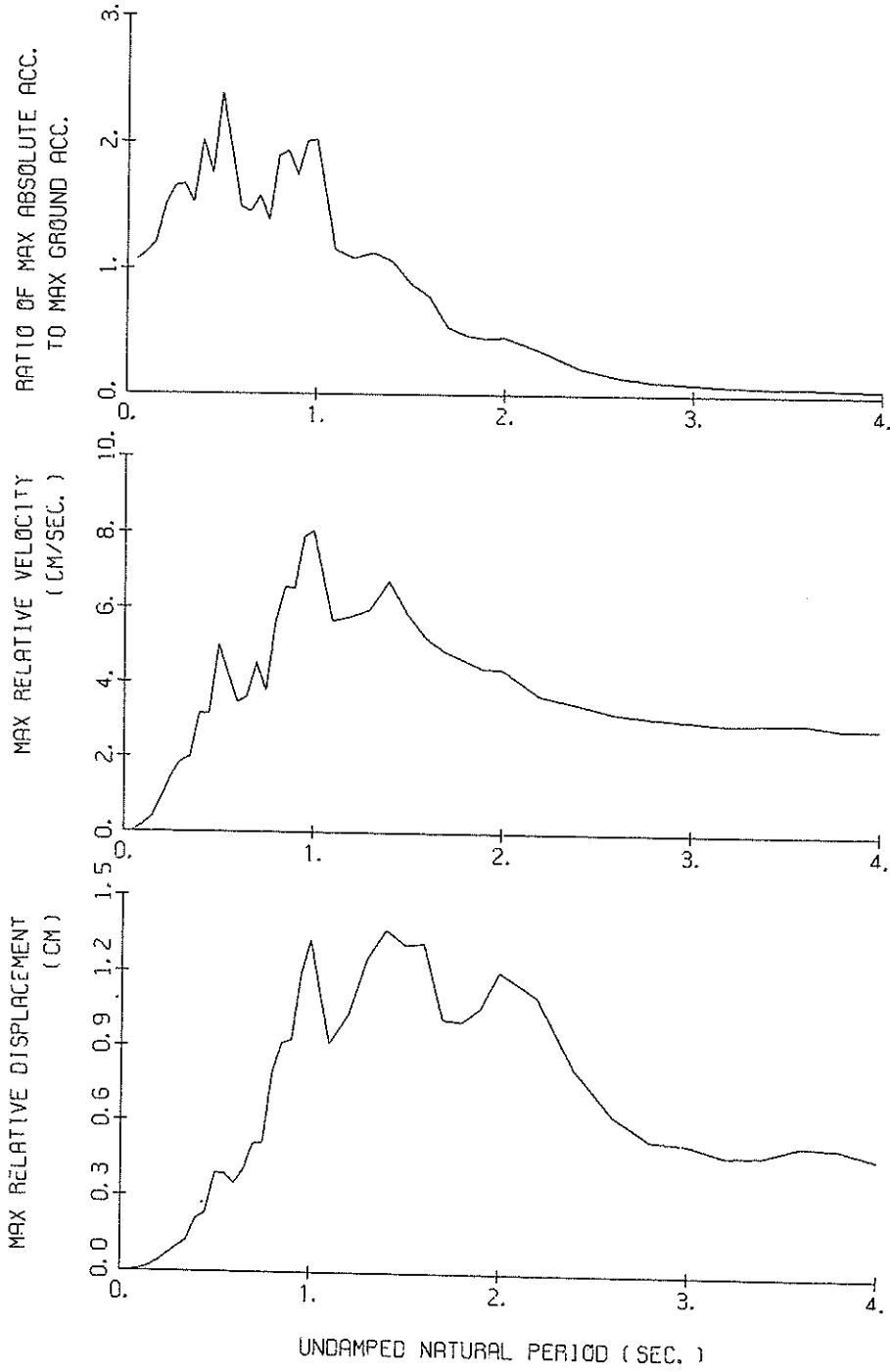
(1/FC=2.48 sec.)



RESPONSE SPECTRA (H=0.05)

S-1189 S33W YAMASHITA-HEN-S

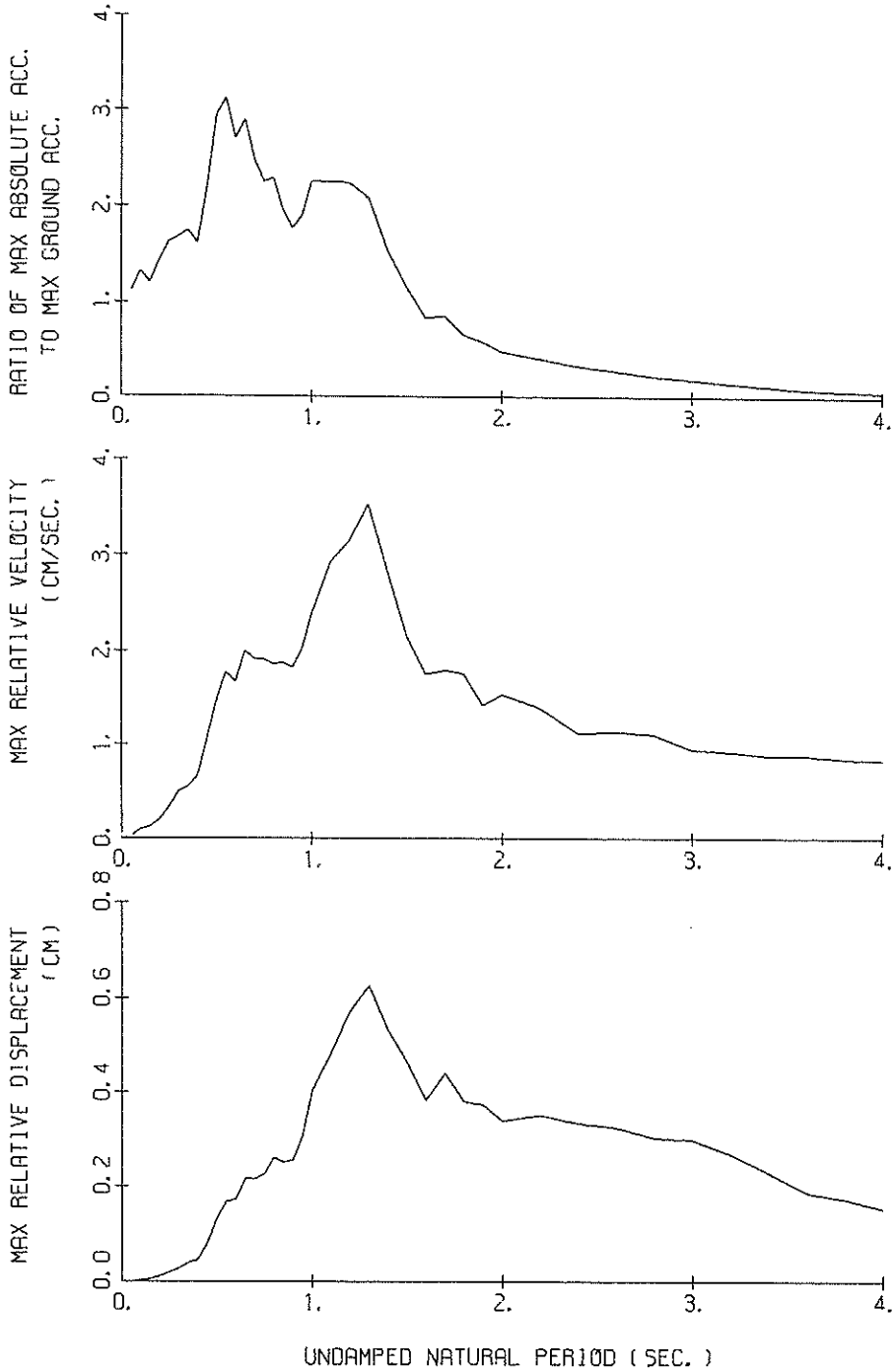
($1/FC=2.34$ sec.)



RESPONSE SPECTRA (H=0.05)

S-1189 DOWN YAMASHITA-HEN-S

(1/FC=1.97 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1189 COMPONENT = E33S SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = YAMASHITA-HEN-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 18.33 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 30.00 (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	30.5	0.14	0.002	20.2	0.04	0.001	19.5	0.04	0.001	19.0	0.03	0.001	18.9	0.03	0.001	0.03	0.001	0.001		
0.10	116.3	1.76	0.029	24.5	0.25	0.006	23.8	0.18	0.006	23.4	0.13	0.006	22.1	0.11	0.006	0.11	0.005	0.005		
0.15	85.9	1.92	0.049	26.2	0.33	0.015	26.2	0.33	0.015	25.7	0.29	0.015	24.5	0.23	0.015	0.23	0.013	0.013		
0.20	172.7	5.41	0.175	41.5	0.99	0.042	36.6	0.79	0.037	32.4	0.62	0.033	27.1	0.44	0.026	0.44	0.026	0.026		
0.25	151.6	5.98	0.240	56.0	1.98	0.089	48.6	1.64	0.077	39.0	1.21	0.061	27.6	0.68	0.040	0.68	0.040	0.040		
0.30	191.2	8.73	0.436	68.1	2.98	0.155	68.1	2.10	0.110	32.8	1.40	0.074	24.4	0.77	0.051	0.77	0.051	0.051		
0.35	151.6	8.30	0.470	52.4	2.59	0.163	40.3	2.02	0.125	31.8	1.57	0.097	24.2	0.96	0.070	0.96	0.070	0.070		
0.40	261.0	16.44	1.058	74.3	4.71	0.301	50.5	3.17	0.204	33.3	2.01	0.133	25.0	1.13	0.095	1.13	0.095	0.095		
0.45	113.7	7.83	0.583	56.4	3.97	0.289	41.9	2.77	0.214	34.1	1.98	0.173	27.3	1.40	0.129	1.40	0.129	0.129		
0.50	108.8	8.49	0.689	56.6	4.37	0.359	54.0	3.94	0.341	43.5	2.93	0.271	28.6	1.78	0.164	1.78	0.164	0.164		
0.55	124.3	10.74	0.952	63.8	5.31	0.487	55.9	4.45	0.426	44.1	3.39	0.332	28.2	2.08	0.194	2.08	0.194	0.194		
0.60	152.3	14.76	1.389	55.2	5.05	0.503	45.8	4.10	0.416	38.1	3.36	0.340	26.6	2.27	0.216	2.27	0.216	0.216		
0.65	100.3	10.24	1.073	50.3	4.82	0.538	42.7	3.93	0.455	33.6	3.18	0.354	24.6	2.41	0.232	2.41	0.232	0.232		
0.70	165.0	18.34	2.048	55.0	5.91	0.682	42.5	4.42	0.525	32.2	3.39	0.392	20.7	2.52	0.246	2.52	0.246	0.246		
0.75	91.5	10.88	1.304	46.6	5.62	0.664	36.0	4.36	0.511	30.8	3.73	0.430	20.7	2.61	0.257	2.61	0.257	0.257		
0.80	113.4	14.26	1.838	57.6	7.42	0.932	43.0	5.68	0.694	29.7	4.07	0.472	19.4	2.65	0.276	2.65	0.276	0.276		
0.85	134.4	17.72	2.459	55.3	7.44	1.010	35.9	4.72	0.704	24.9	3.70	0.450	18.5	2.63	0.292	2.63	0.292	0.292		
0.90	70.9	10.19	1.455	42.0	5.90	0.840	34.4	4.36	0.701	25.0	3.50	0.503	17.4	2.57	0.303	2.57	0.303	0.303		
0.95	212.6	32.10	4.860	55.5	8.40	1.267	34.2	5.13	0.779	26.4	3.91	0.590	16.5	2.48	0.336	2.48	0.336	0.336		
1.00	71.8	12.46	1.818	53.4	9.13	1.350	40.5	6.63	1.020	27.2	4.56	0.673	16.7	2.52	0.372	2.52	0.372	0.372		
1.10	92.8	16.25	2.843	45.6	8.07	1.396	31.5	5.81	0.961	26.4	4.74	0.789	15.0	2.75	0.415	2.75	0.415	0.415		
1.20	60.6	11.61	2.212	40.8	8.07	1.487	33.6	6.68	1.219	24.2	5.13	0.862	13.7	2.76	0.452	2.76	0.452	0.452		
1.30	72.3	15.76	3.096	46.8	10.41	2.001	34.3	7.75	1.474	22.5	5.23	0.938	13.4	2.81	0.505	2.81	0.505	0.505		
1.40	52.8	11.78	2.622	30.7	7.59	1.520	23.8	5.78	1.174	17.7	3.93	0.847	12.5	2.65	0.520	2.65	0.520	0.520		
1.50	36.3	9.49	2.070	28.6	7.21	1.627	22.2	5.61	1.259	15.1	3.76	0.835	11.2	2.60	0.511	2.60	0.511	0.511		
1.60	75.0	19.36	4.862	28.4	7.57	1.838	19.4	5.22	1.251	13.1	3.74	0.819	10.0	2.50	0.498	2.50	0.498	0.498		
1.70	23.8	6.98	1.745	15.4	4.98	1.127	12.9	4.30	0.933	10.1	3.53	0.714	9.0	2.25	0.486	2.25	0.486	0.486		
1.80	23.2	7.42	1.904	14.5	4.82	1.188	11.1	3.86	0.904	8.8	3.11	0.682	8.0	2.28	0.470	2.28	0.470	0.470		
1.90	29.3	9.14	2.684	15.2	4.94	1.386	10.3	4.18	0.942	7.6	3.30	0.674	7.2	2.34	0.448	2.34	0.448	0.448		
2.00	27.6	9.40	2.794	15.4	5.18	1.582	11.0	4.36	1.109	7.5	3.39	0.743	6.4	2.37	0.453	2.37	0.453	0.453		
2.20	17.8	6.71	2.179	9.5	3.87	1.168	7.5	3.26	0.910	6.1	2.96	0.717	5.0	2.37	0.454	2.37	0.454	0.454		
2.40	10.1	4.50	1.473	5.8	3.09	0.841	4.9	2.94	0.703	4.0	2.74	0.559	4.0	2.32	0.425	2.32	0.425	0.425		
2.60	5.2	3.18	0.883	4.1	2.72	0.706	3.6	2.50	0.607	3.1	2.44	0.506	3.5	2.22	0.386	2.22	0.386	0.386		
2.80	3.4	3.16	0.875	3.1	2.55	0.613	2.8	2.39	0.550	2.6	2.15	0.487	3.2	2.16	0.383	2.16	0.383	0.383		
3.00	3.4	2.71	0.767	2.6	2.45	0.589	2.5	2.35	0.555	2.3	2.27	0.501	3.0	2.18	0.388	2.18	0.388	0.388		
3.20	4.0	2.49	1.036	2.7	2.55	0.698	2.2	2.51	0.552	2.1	2.40	0.499	2.7	2.21	0.387	2.21	0.387	0.387		
3.40	2.7	3.26	0.802	2.2	2.87	0.643	2.0	2.67	0.560	1.8	2.46	0.480	2.5	2.22	0.380	2.22	0.380	0.380		
3.60	2.6	2.57	0.860	1.7	2.55	0.556	1.5	2.51	0.468	1.5	2.41	0.426	2.3	2.22	0.369	2.22	0.369	0.369		
3.80	1.4	2.27	0.528	1.2	2.24	0.391	1.1	2.32	0.391	1.3	2.33	0.380	2.1	2.22	0.355	2.22	0.355	0.355		
4.00	1.3	2.48	0.516	1.0	2.37	0.416	1.0	2.32	0.381	1.2	2.29	0.360	1.9	2.20	0.343	2.20	0.343	0.343		

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

RESPONSE SPECTRUM

RECORD = S-1189 COMPONENT = S33W SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = YAMASHITA-HEN-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 25.97 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 30.00 (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	40.6	0.18	0.003	29.2	0.06	0.002	27.7	0.04	0.002	26.8	0.03	0.002	26.3	0.03	0.002	
0.10	78.7	1.19	0.020	30.5	0.21	0.008	29.4	0.19	0.007	28.9	0.16	0.007	27.9	0.12	0.007	
0.15	67.5	1.41	0.038	33.6	0.44	0.019	31.4	0.40	0.018	29.6	0.34	0.017	28.7	0.26	0.016	
0.20	165.3	5.19	0.167	40.7	1.23	0.041	39.0	0.88	0.039	36.4	0.67	0.037	31.9	0.46	0.031	
0.25	179.0	7.07	0.283	59.2	2.16	0.094	43.0	1.48	0.068	35.4	1.20	0.055	32.2	0.78	0.049	
0.30	197.1	9.34	0.449	61.9	2.75	0.141	43.4	1.87	0.098	33.3	1.42	0.075	30.9	1.08	0.068	
0.35	122.2	6.45	0.379	45.4	2.25	0.141	39.6	2.00	0.122	32.9	1.66	0.101	31.8	1.38	0.094	
0.40	160.3	10.32	0.650	76.1	4.77	0.308	52.3	3.18	0.210	38.8	2.32	0.156	34.0	1.74	0.130	
0.45	86.9	6.20	0.446	45.4	3.35	0.233	42.3	3.16	0.233	42.3	2.98	0.214	35.4	2.06	0.169	
0.50	99.7	7.70	0.631	73.2	5.75	0.463	62.0	5.02	0.390	48.3	3.76	0.301	35.4	2.27	0.206	
0.55	170.7	14.34	1.308	61.9	4.99	0.473	50.7	4.23	0.387	40.8	3.44	0.306	33.6	2.32	0.233	
0.60	217.5	20.45	1.983	53.1	4.76	0.484	38.7	3.47	0.350	31.5	2.81	0.283	31.5	2.33	0.258	
0.65	98.1	10.24	1.049	46.8	4.70	0.501	37.8	3.62	0.403	32.1	3.09	0.339	30.3	2.38	0.289	
0.70	111.7	12.33	1.386	51.6	6.24	0.639	41.1	4.53	0.508	33.9	3.43	0.414	29.7	2.46	0.327	
0.75	100.6	12.30	1.433	39.5	4.70	0.563	36.2	3.79	0.513	34.5	3.69	0.484	29.4	2.55	0.368	
0.80	105.7	13.78	1.714	61.1	7.14	0.990	49.4	5.67	0.797	37.7	4.35	0.601	28.9	2.65	0.409	
0.85	105.9	14.05	1.937	60.8	8.28	1.112	50.3	6.57	0.916	38.6	4.83	0.694	28.1	2.86	0.443	
0.90	50.4	7.28	1.033	46.1	6.80	0.945	45.4	6.54	0.927	37.9	5.13	0.765	26.8	3.02	0.468	
0.95	112.4	17.00	2.570	65.9	10.18	1.504	52.4	7.90	1.192	37.8	5.42	0.849	25.1	3.32	0.482	
1.00	136.9	21.74	3.468	73.0	11.41	1.845	52.6	8.05	1.326	35.2	5.56	0.874	23.0	3.43	0.485	
1.10	93.0	16.00	2.851	40.3	7.08	1.235	30.0	5.67	0.913	22.7	4.15	0.678	18.9	3.42	0.496	
1.20	72.3	13.88	2.637	40.0	8.13	1.457	28.3	5.78	1.027	21.7	4.04	0.772	16.4	3.32	0.518	
1.30	78.1	15.97	3.259	39.1	8.10	1.670	29.5	5.98	1.255	21.4	4.43	0.891	14.9	3.37	0.535	
1.40	78.8	17.91	3.913	39.7	9.69	1.971	27.7	6.74	1.371	19.0	4.77	0.920	13.7	3.51	0.555	
1.50	58.6	13.64	3.226	33.2	7.89	1.889	23.1	5.84	1.308	16.5	4.58	0.916	12.4	3.63	0.580	
1.60	73.2	18.25	4.749	27.8	7.31	1.800	20.4	5.20	1.315	14.3	4.47	0.907	11.0	3.71	0.590	
1.70	28.6	7.73	1.948	17.6	5.25	1.361	13.9	4.84	1.012	11.4	4.45	0.807	9.7	3.73	0.590	
1.80	27.4	7.76	2.249	18.6	4.94	1.456	12.3	4.64	1.003	9.7	4.34	0.768	8.6	3.71	0.582	
1.90	24.4	7.34	2.235	14.8	4.71	1.347	11.7	4.41	1.061	8.3	4.16	0.744	7.7	3.67	0.570	
2.00	24.7	8.03	2.505	16.7	5.72	1.691	12.0	4.38	1.204	8.0	3.93	0.790	6.9	3.61	0.554	
2.20	11.6	4.21	1.417	10.8	3.65	1.322	9.1	3.68	1.105	6.8	3.66	0.800	5.6	3.49	0.523	
2.40	11.2	4.83	1.637	6.6	3.48	0.959	5.6	3.47	0.814	4.8	3.45	0.674	4.7	3.36	0.495	
2.60	8.0	3.80	1.362	4.1	3.24	0.705	3.7	3.22	0.633	3.5	3.26	0.571	4.0	3.26	0.471	
2.80	3.6	2.70	0.724	3.0	3.01	0.589	2.8	3.10	0.533	2.8	3.15	0.494	3.4	3.17	0.453	
3.00	3.5	3.20	0.800	2.7	3.03	0.609	2.3	3.02	0.516	2.4	3.06	0.474	3.0	3.11	0.439	
3.20	3.0	2.68	0.779	2.1	2.87	0.534	1.9	2.94	0.471	2.1	3.00	0.465	2.7	3.05	0.440	
3.40	2.2	3.00	0.657	1.8	2.97	0.528	1.7	2.97	0.476	1.9	2.98	0.463	2.5	3.01	0.442	
3.60	2.7	3.25	0.892	1.8	3.06	0.569	1.7	2.99	0.517	1.8	2.95	0.481	2.3	2.97	0.444	
3.80	1.5	2.53	0.564	1.5	2.75	0.527	1.5	2.84	0.507	1.6	2.90	0.485	2.2	2.94	0.447	
4.00	1.7	2.78	0.670	1.1	2.82	0.449	1.2	2.84	0.468	1.5	2.86	0.483	2.0	2.91	0.449	

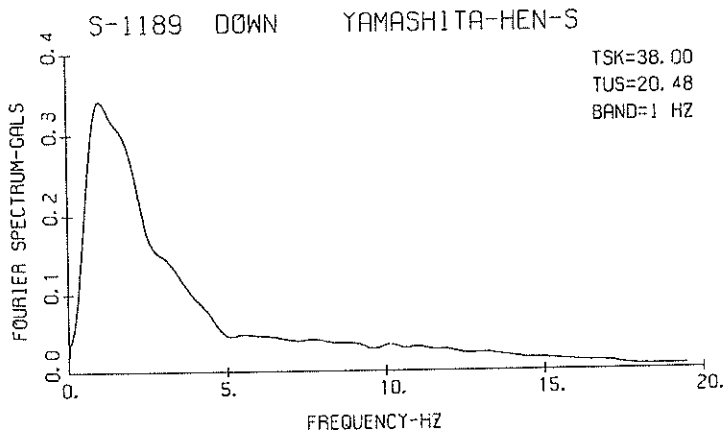
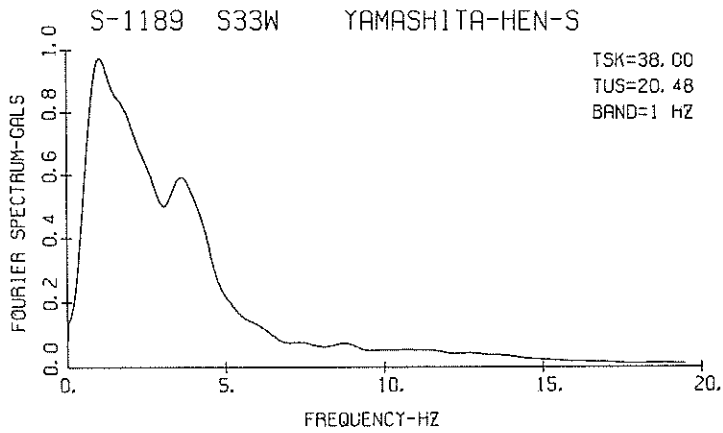
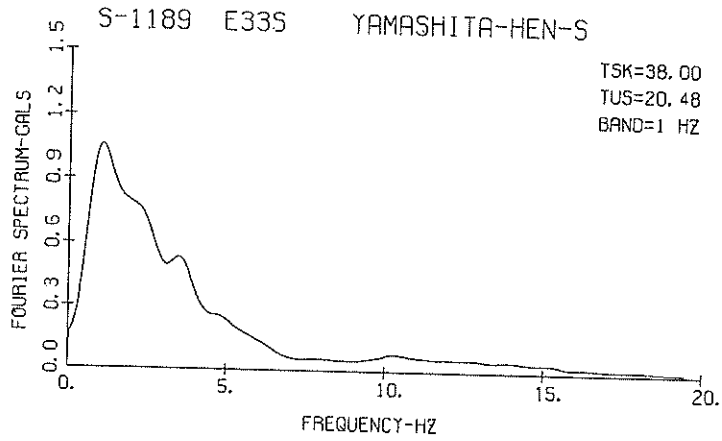
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1189 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = YAMASHITA-HEN-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 7.04 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 30.00 (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	10.7	0.05	0.001	8.0	0.02	0.001	7.8	0.02	0.000	7.5	0.02	0.000	7.2	0.01	0.000	
0.10	65.7	1.03	0.017	10.9	0.14	0.003	9.3	0.10	0.002	8.2	0.06	0.002	7.8	0.04	0.002	
0.15	30.5	0.68	0.017	9.8	0.18	0.006	8.5	0.13	0.005	8.1	0.10	0.005	7.8	0.07	0.004	
0.20	42.8	1.30	0.043	10.7	0.27	0.011	10.1	0.21	0.010	9.4	0.16	0.009	8.2	0.13	0.008	
0.25	25.7	0.99	0.041	12.6	0.41	0.020	11.4	0.33	0.018	10.8	0.29	0.016	8.3	0.22	0.013	
0.30	69.9	3.30	0.159	16.8	0.74	0.038	11.8	0.50	0.027	10.8	0.39	0.024	8.4	0.31	0.018	
0.35	31.3	1.63	0.097	13.7	0.63	0.043	12.3	0.55	0.038	10.8	0.49	0.033	8.8	0.38	0.026	
0.40	33.7	2.08	0.137	12.9	0.77	0.052	11.4	0.66	0.046	10.9	0.54	0.044	9.7	0.46	0.037	
0.45	41.8	2.91	0.215	22.3	1.55	0.114	15.4	1.07	0.079	13.2	0.70	0.067	10.5	0.54	0.051	
0.50	41.3	2.98	0.262	26.4	1.91	0.167	20.7	1.48	0.131	16.1	1.10	0.101	11.0	0.64	0.065	
0.55	54.8	4.67	0.420	26.2	2.11	0.201	22.0	1.78	0.168	16.6	1.35	0.125	11.0	0.75	0.077	
0.60	59.9	5.55	0.547	19.7	1.89	0.179	19.0	1.67	0.173	15.8	1.43	0.142	10.5	0.83	0.086	
0.65	33.6	3.43	0.360	24.8	2.40	0.266	20.4	2.00	0.217	15.1	1.52	0.159	9.7	0.86	0.093	
0.70	57.3	6.34	0.711	20.2	2.18	0.251	17.5	1.92	0.216	13.5	1.50	0.164	8.7	0.86	0.096	
0.75	70.4	8.49	1.002	22.9	2.73	0.326	15.9	1.91	0.225	11.7	1.37	0.164	8.3	0.91	0.109	
0.80	51.6	6.52	0.837	20.6	2.54	0.334	16.1	1.86	0.260	12.3	1.44	0.196	8.5	0.97	0.126	
0.85	30.6	4.38	0.560	16.2	2.30	0.297	13.8	1.88	0.250	11.8	1.45	0.211	8.6	1.02	0.142	
0.90	67.7	9.60	1.389	17.4	2.44	0.357	12.5	1.83	0.255	11.2	1.46	0.225	8.7	1.06	0.159	
0.95	24.7	3.84	0.564	14.0	2.21	0.319	13.4	2.02	0.305	11.4	1.61	0.255	8.7	1.11	0.176	
1.00	42.0	6.65	1.063	19.9	3.10	0.504	15.9	2.39	0.401	11.9	1.86	0.296	8.8	1.17	0.193	
1.10	24.7	4.38	0.756	18.2	3.33	0.558	15.9	2.93	0.484	12.4	2.22	0.369	8.5	1.23	0.221	
1.20	29.6	5.59	1.078	19.2	3.76	0.699	15.8	3.15	0.573	12.1	2.32	0.430	7.7	1.39	0.232	
1.30	52.4	11.00	2.242	19.8	4.51	0.848	14.7	3.53	0.626	10.1	2.58	0.423	6.5	1.49	0.224	
1.40	40.9	9.28	2.029	16.5	3.91	0.820	10.8	2.82	0.534	8.0	2.29	0.386	5.1	1.48	0.205	
1.50	22.3	5.56	1.270	11.0	2.73	0.624	8.2	2.16	0.466	5.9	1.73	0.329	4.3	1.39	0.195	
1.60	12.3	3.17	0.796	6.9	2.00	0.445	5.9	1.75	0.383	4.7	1.42	0.300	3.6	1.29	0.188	
1.70	26.7	7.38	1.957	9.0	2.57	0.660	6.1	1.80	0.441	4.1	1.41	0.297	3.1	1.21	0.184	
1.80	12.4	3.74	1.017	5.9	1.98	0.481	4.7	1.76	0.380	3.6	1.42	0.286	2.8	1.16	0.181	
1.90	6.6	2.14	0.608	5.1	1.59	0.465	4.1	1.28	0.374	3.1	1.28	0.276	2.5	1.14	0.182	
2.00	8.7	3.12	0.886	4.1	1.81	0.418	3.4	1.54	0.339	2.8	1.30	0.270	2.2	1.12	0.182	
2.20	6.0	2.36	0.730	3.5	1.58	0.434	2.9	1.39	0.351	2.4	1.26	0.282	2.0	1.09	0.190	
2.40	3.6	1.45	0.522	2.6	1.24	0.384	2.3	1.12	0.333	2.0	1.07	0.269	1.7	1.06	0.188	
2.60	2.1	1.22	0.366	2.0	1.16	0.346	1.9	1.14	0.324	1.6	1.03	0.261	1.4	1.02	0.177	
2.80	2.7	1.56	0.542	1.8	1.23	0.363	1.5	1.11	0.301	1.2	0.98	0.239	1.2	0.99	0.162	
3.00	1.7	0.97	0.385	1.5	0.93	0.333	1.3	0.94	0.298	1.1	0.96	0.244	1.1	0.97	0.160	
3.20	1.3	0.95	0.337	1.1	0.93	0.291	1.0	0.92	0.267	0.9	0.93	0.230	1.0	0.95	0.160	
3.40	0.7	0.82	0.219	0.8	0.85	0.238	0.8	0.88	0.228	0.7	0.89	0.207	0.9	0.93	0.157	
3.60	0.7	0.94	0.228	0.6	0.89	0.199	0.6	0.88	0.185	0.6	0.89	0.181	0.8	0.91	0.152	
3.80	0.7	0.85	0.241	0.5	0.83	0.190	0.5	0.85	0.172	0.5	0.87	0.161	0.7	0.90	0.146	
4.00	0.5	0.85	0.206	0.4	0.80	0.169	0.4	0.83	0.152	0.4	0.86	0.150	0.7	0.89	0.141	

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



FOURIER SPECTRA

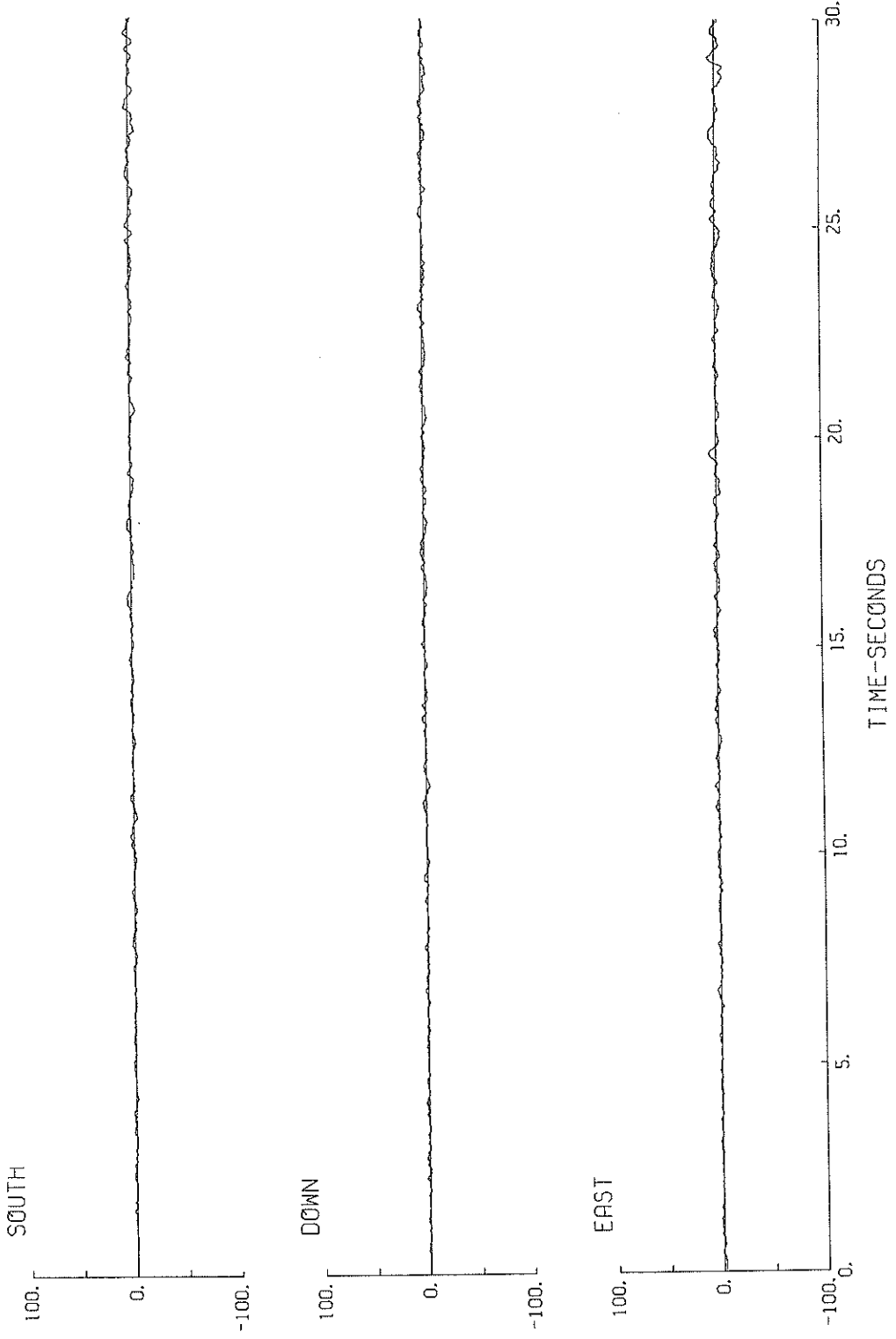
RECORD NUMBER S-1192
STATION AOMORI-S

EARTHQUAKE DATA

```
*****  
*  
* DATE AND TIME 17:14 JUNE 12, 1978 *  
*  
* LOCATION OF HYPOCENTER *  
* EPICENTRAL REGION OFF MIYAGI PREF. *  
* LATITUDE 38.15 N *  
* LONGITUDE 142.17 E *  
* DEPTH 40KM *  
*  
* MAGNITUDE 7.4 *  
*  
*****
```

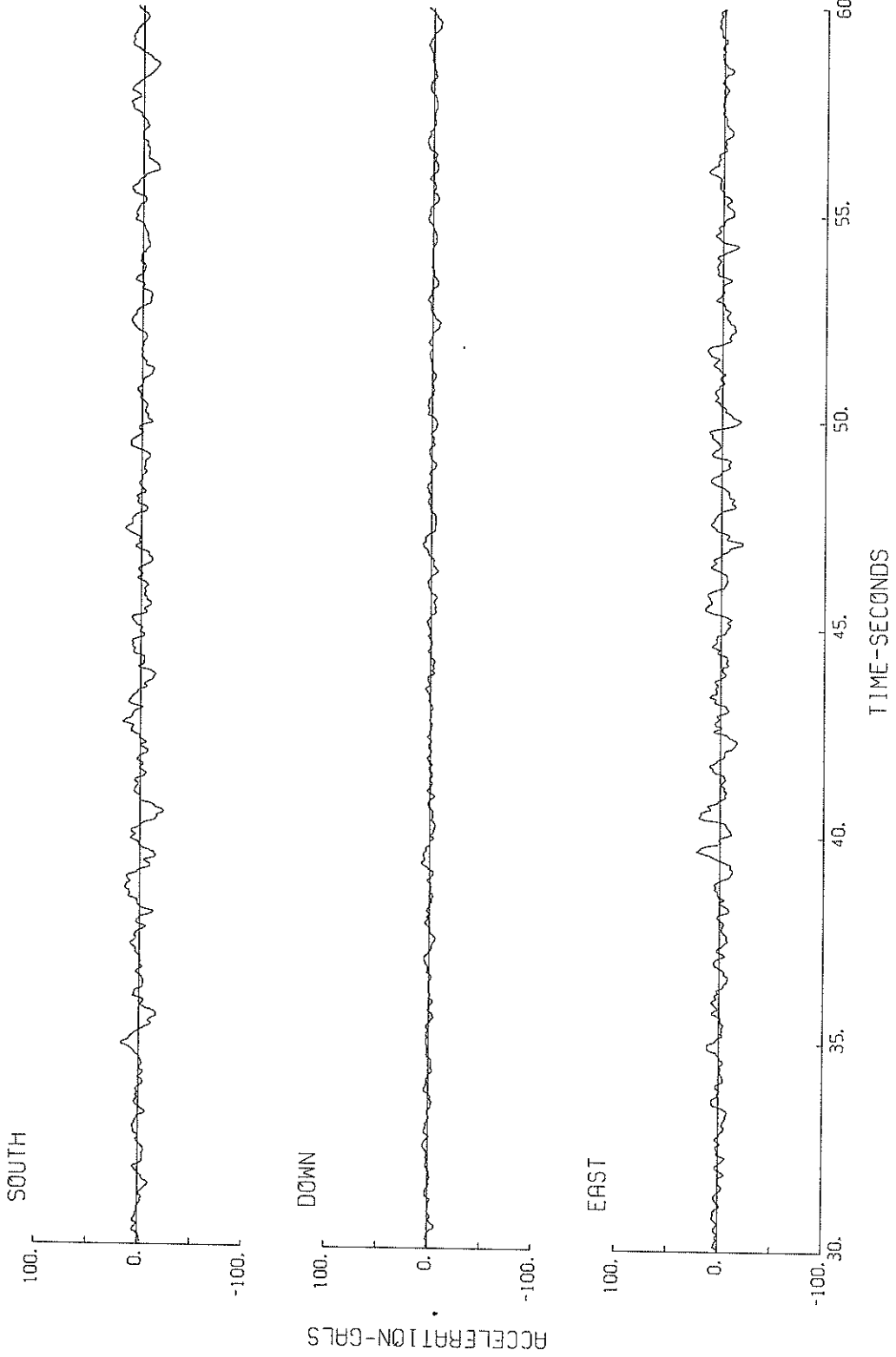
	EAST	COMPONENT SOUTH	DOWN
PARAMETER OF THE VARIABLE FILTER			
FC (HZ)	0.177	0.176	0.390
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	22.7	23.0	8.7
SMAC-B2 EQUIVALENT CORRECTED	24.6	22.1	9.1
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	5.82	6.12	1.81
VARIABLE FILTER	5.38	4.38	1.40
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	2.60	2.65	0.90
VARIABLE FILTER	1.90	2.15	0.21

S-1192 AOMORI-S

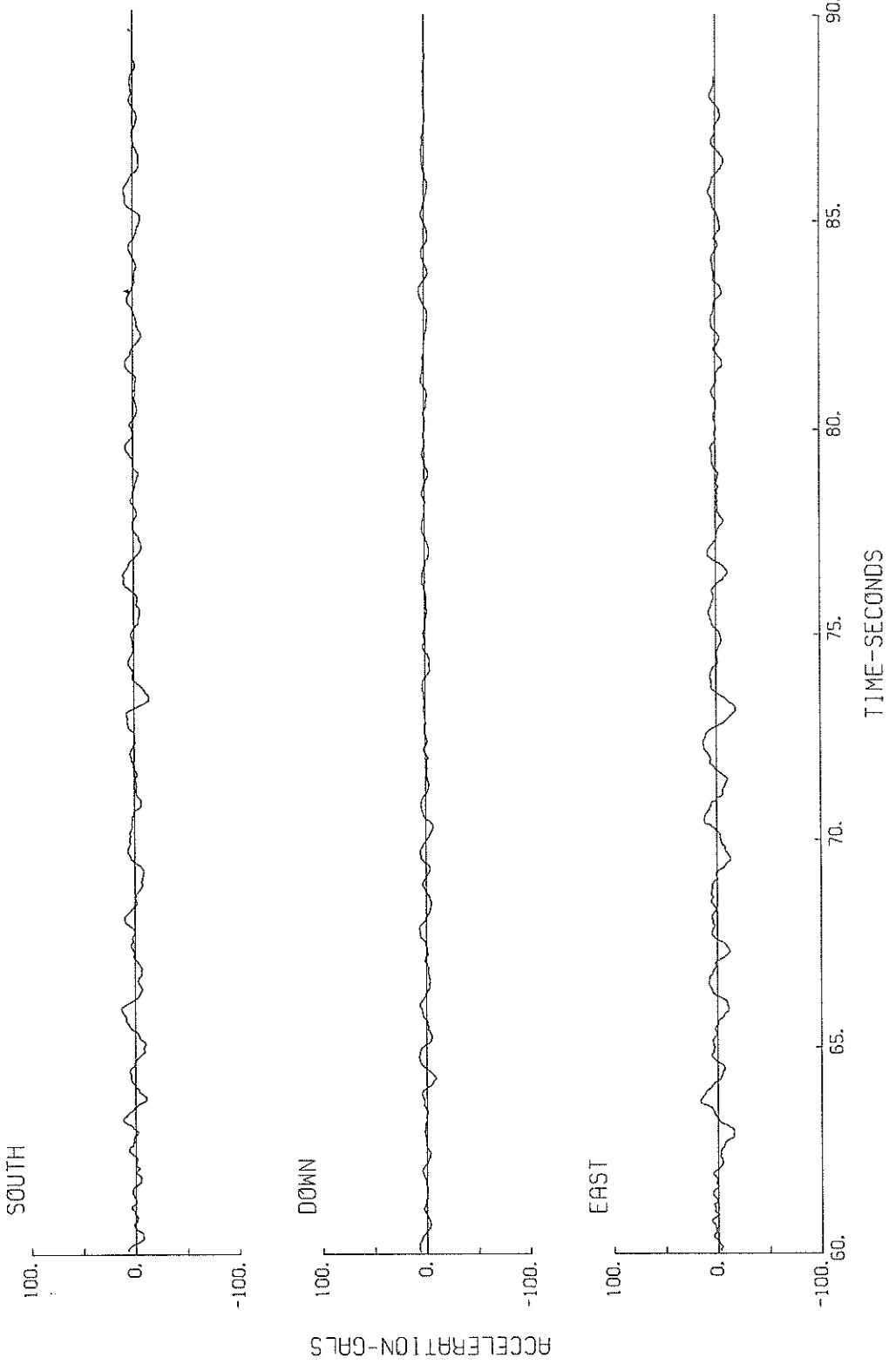


ACCELERATION-GALS

S-1192 AQMORI-S

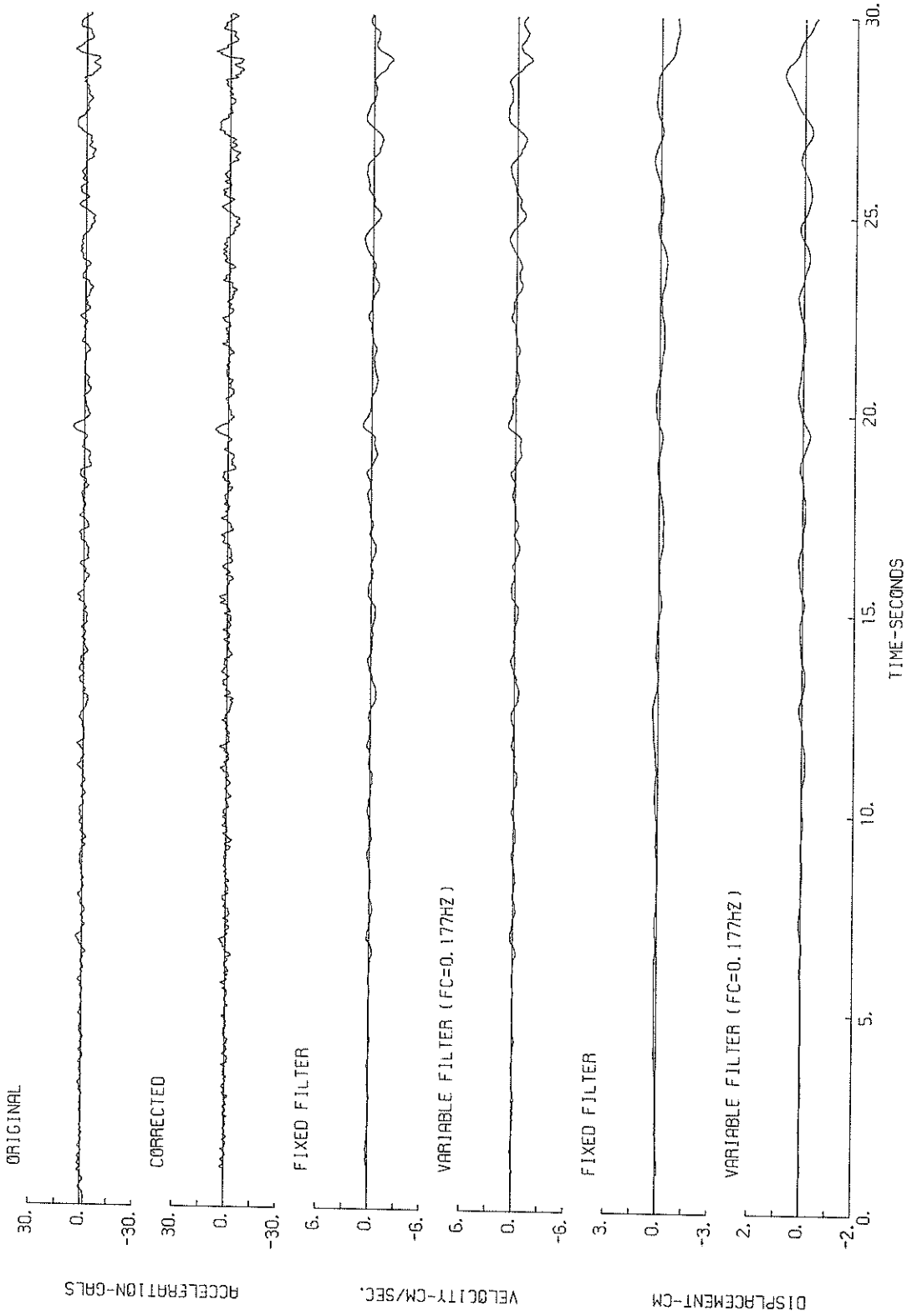


S-1192 AOMORI-S

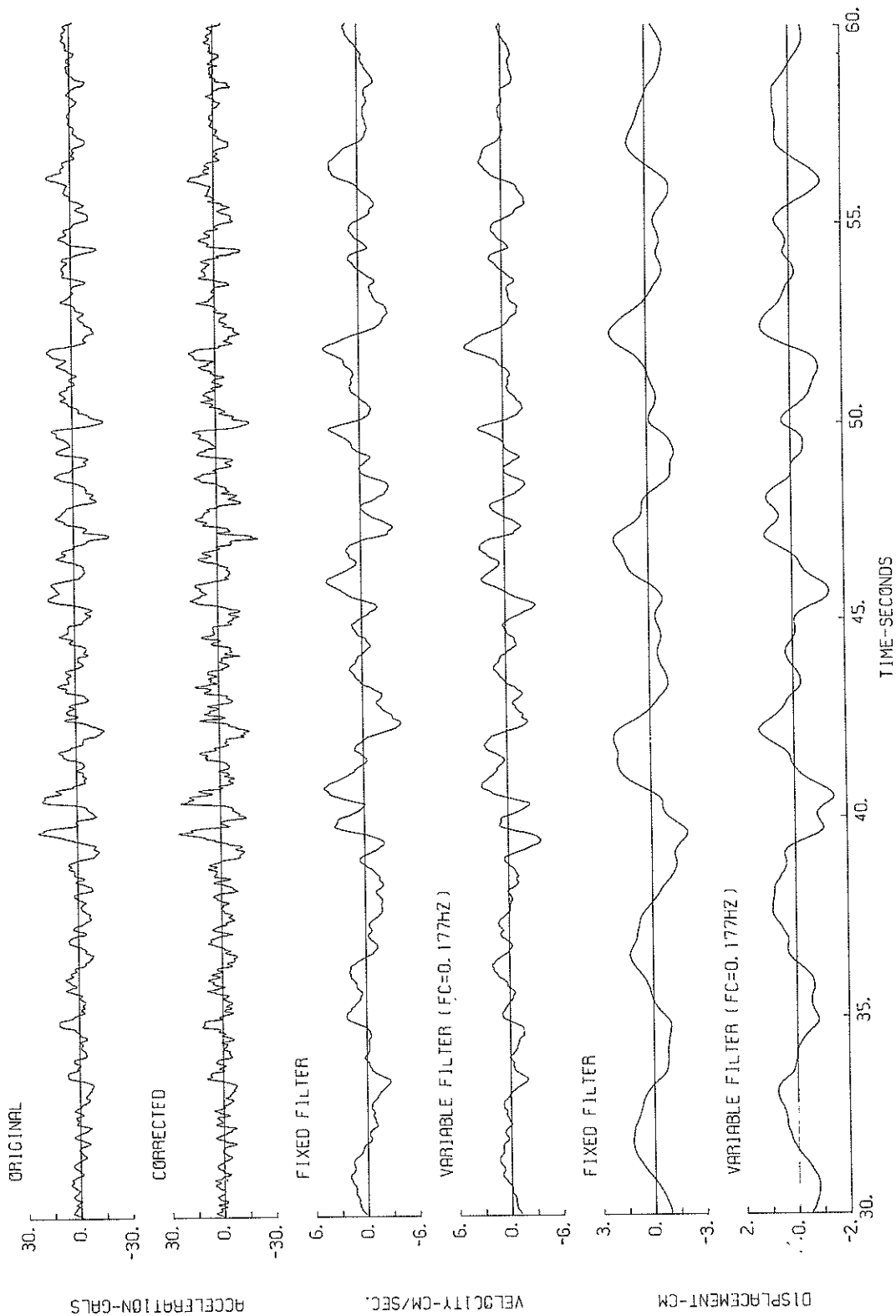


ACCELERATION-GALS

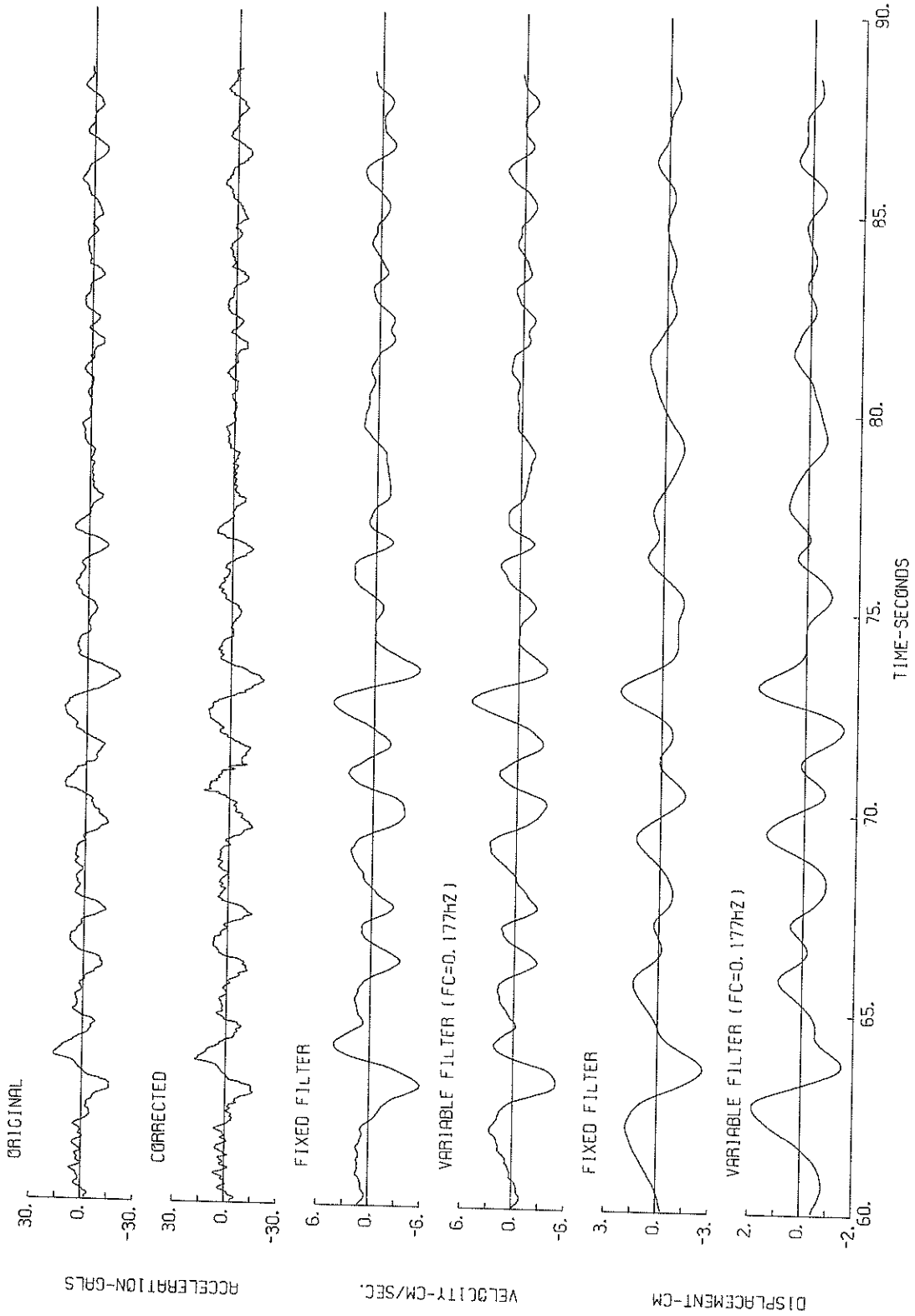
S-1192 EAST AQMORI-S



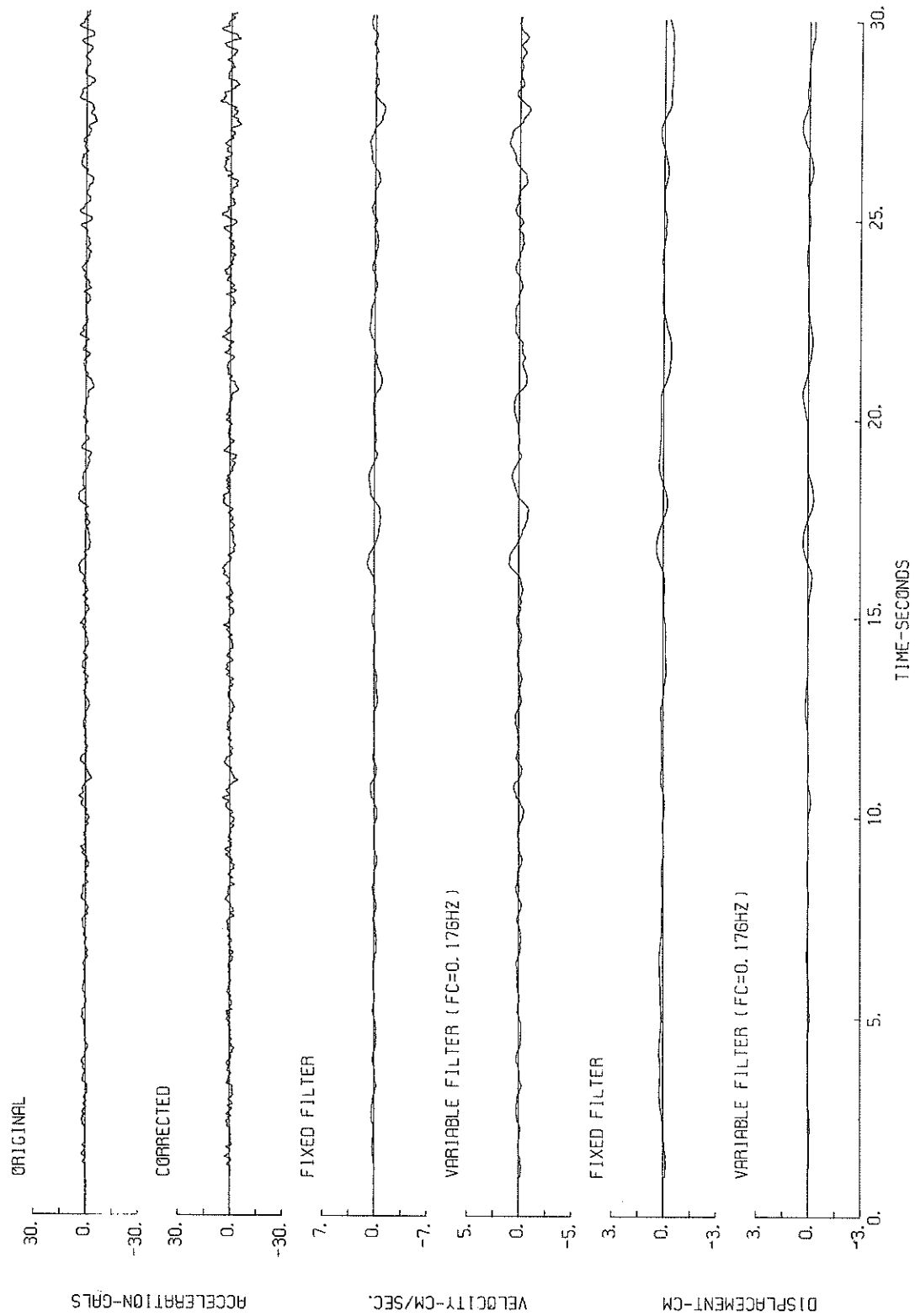
S-1192 EAST AOMORI-S



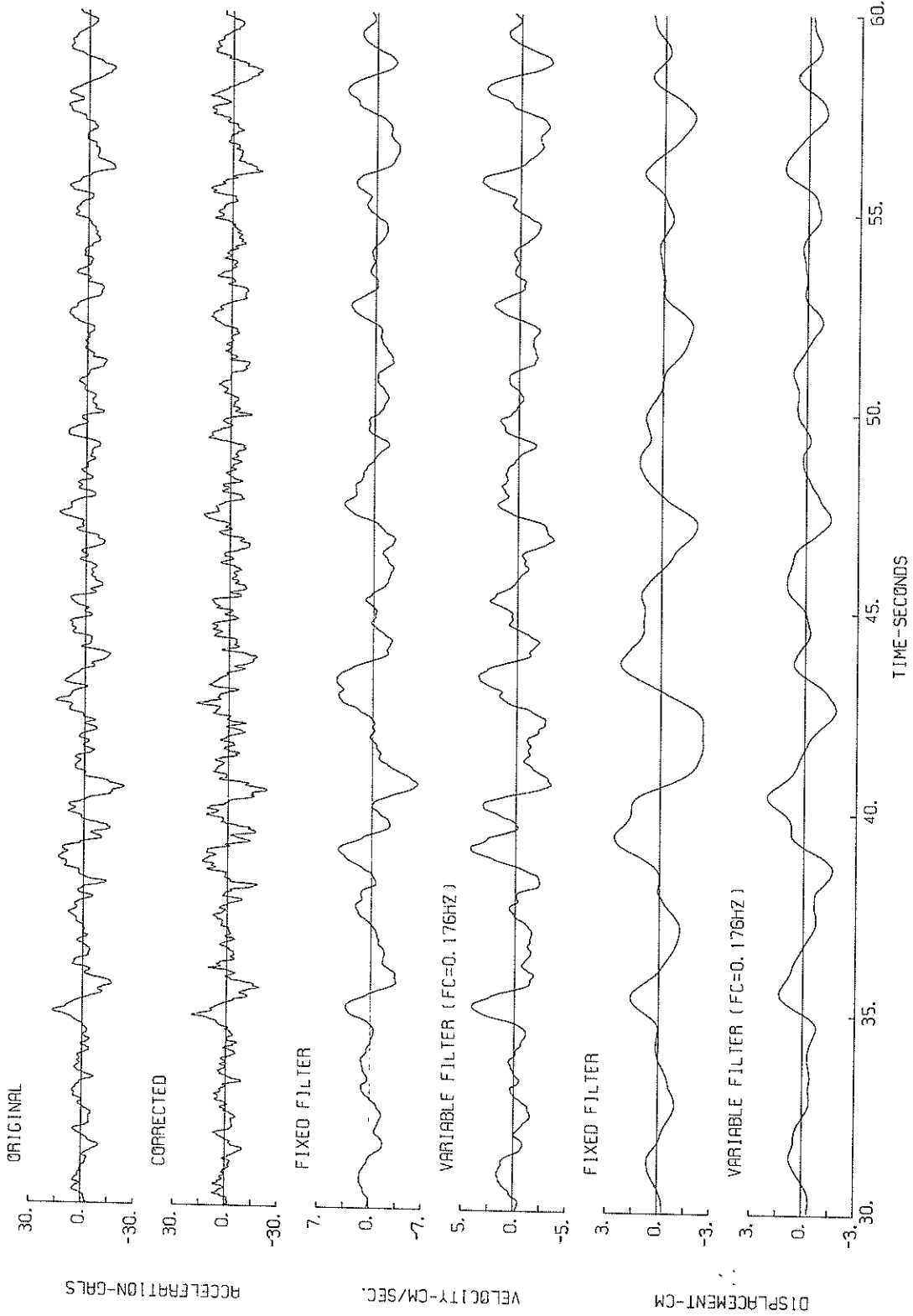
S-1192 EAST AQMORI-S



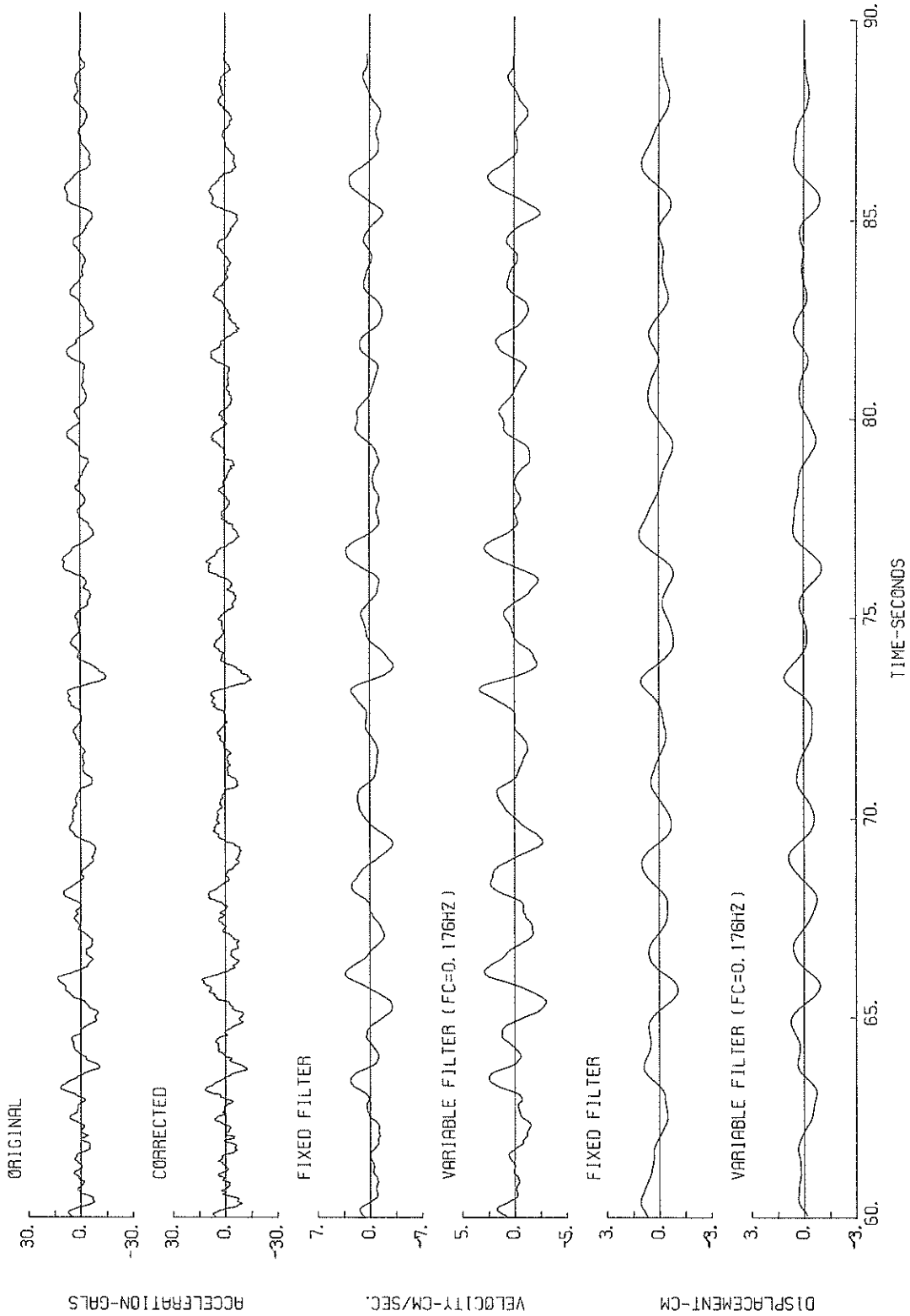
S-1192 SOUTH AQMORI-S



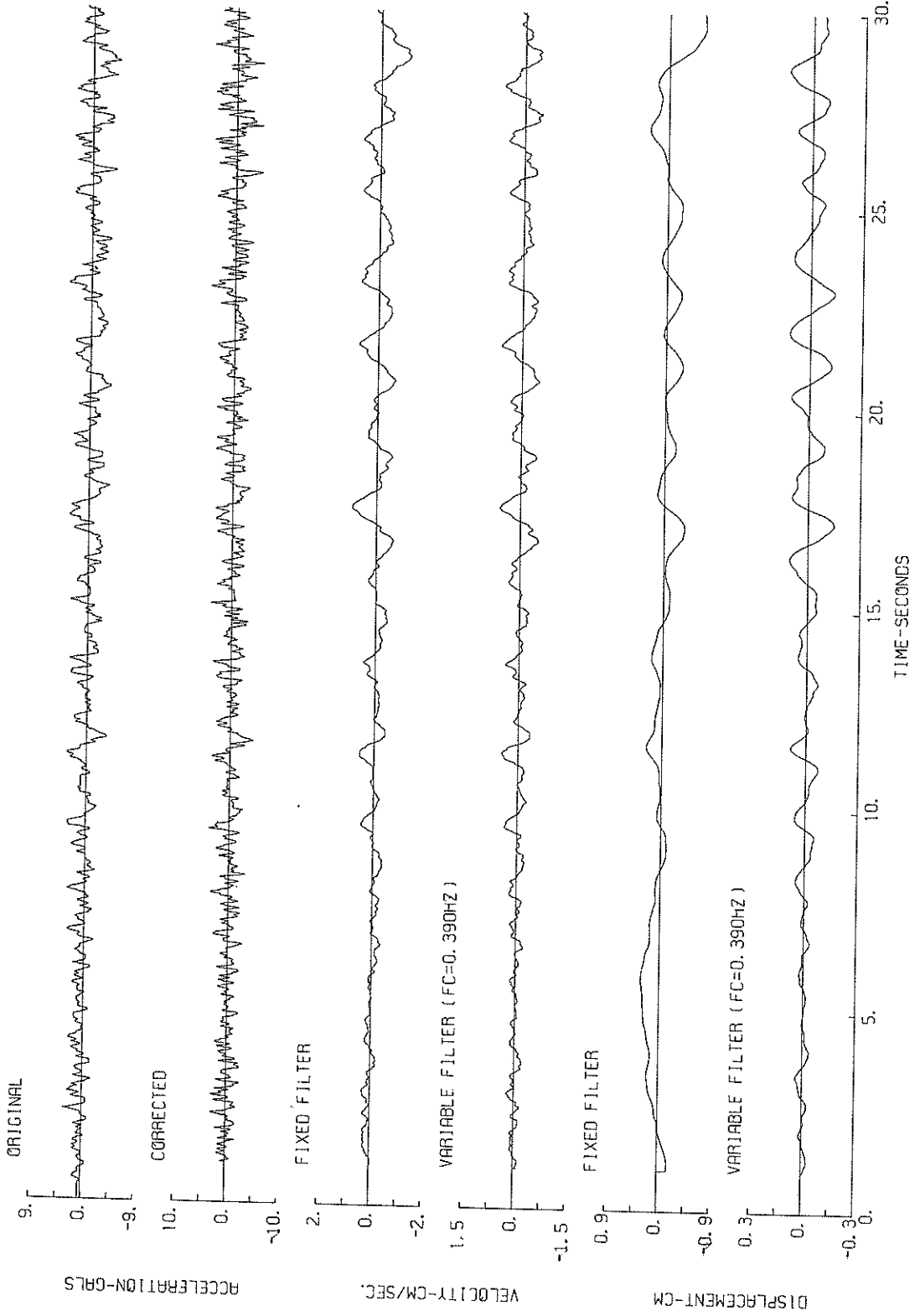
S-1192 SOUTH AOMORI-S



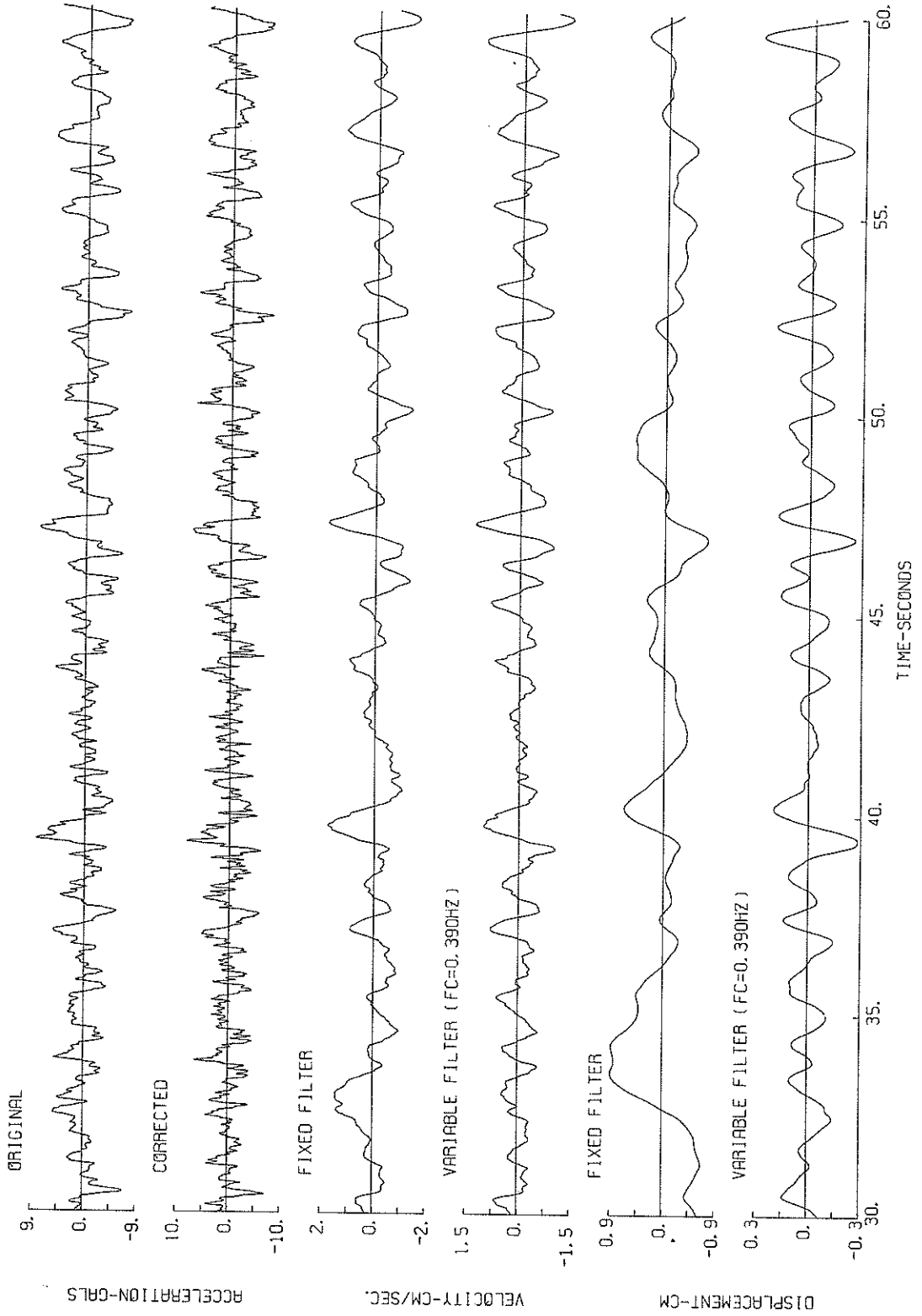
S-1192 SOUTH AOMORI-S



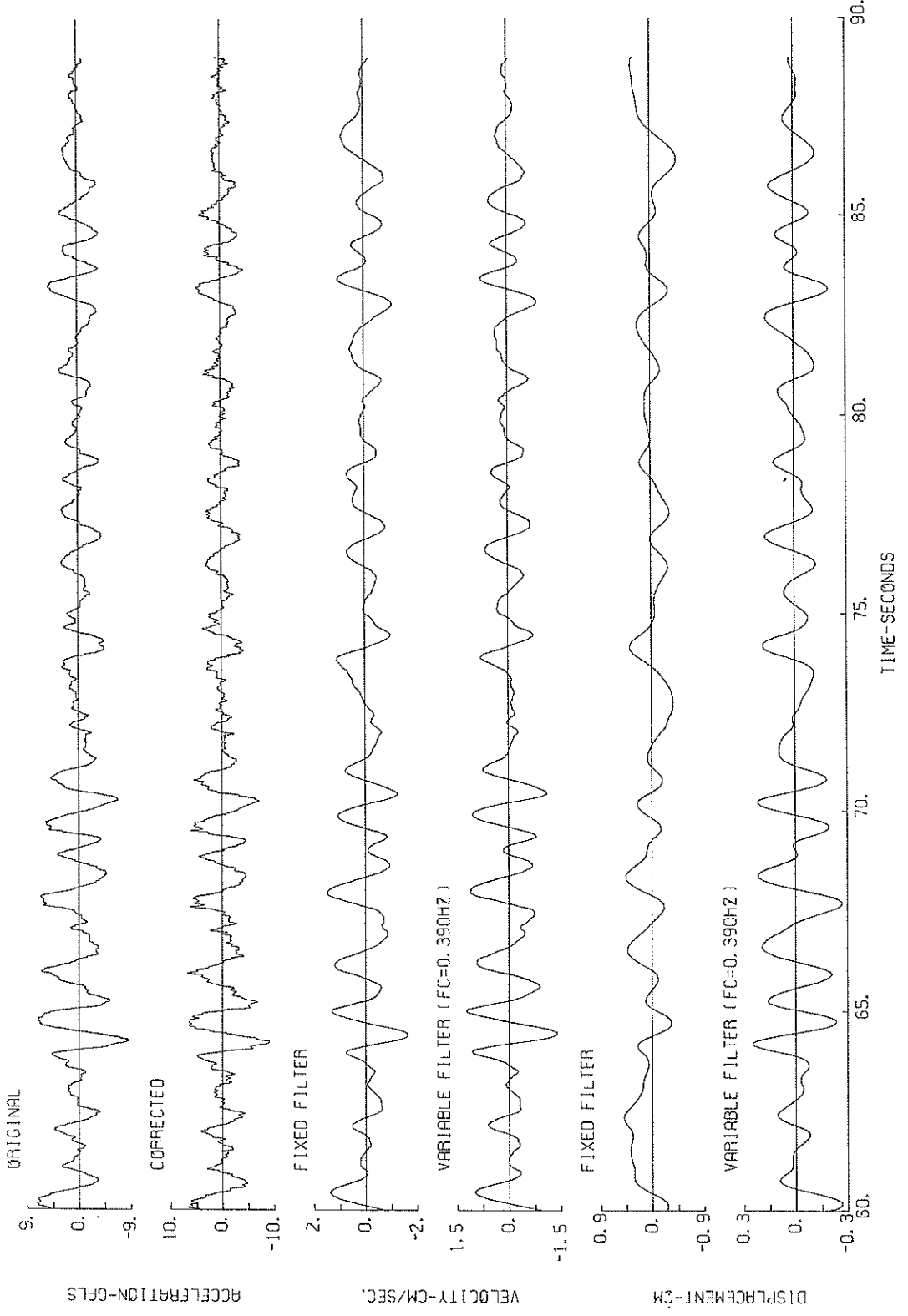
S-1192 DOWN ROMORI-S



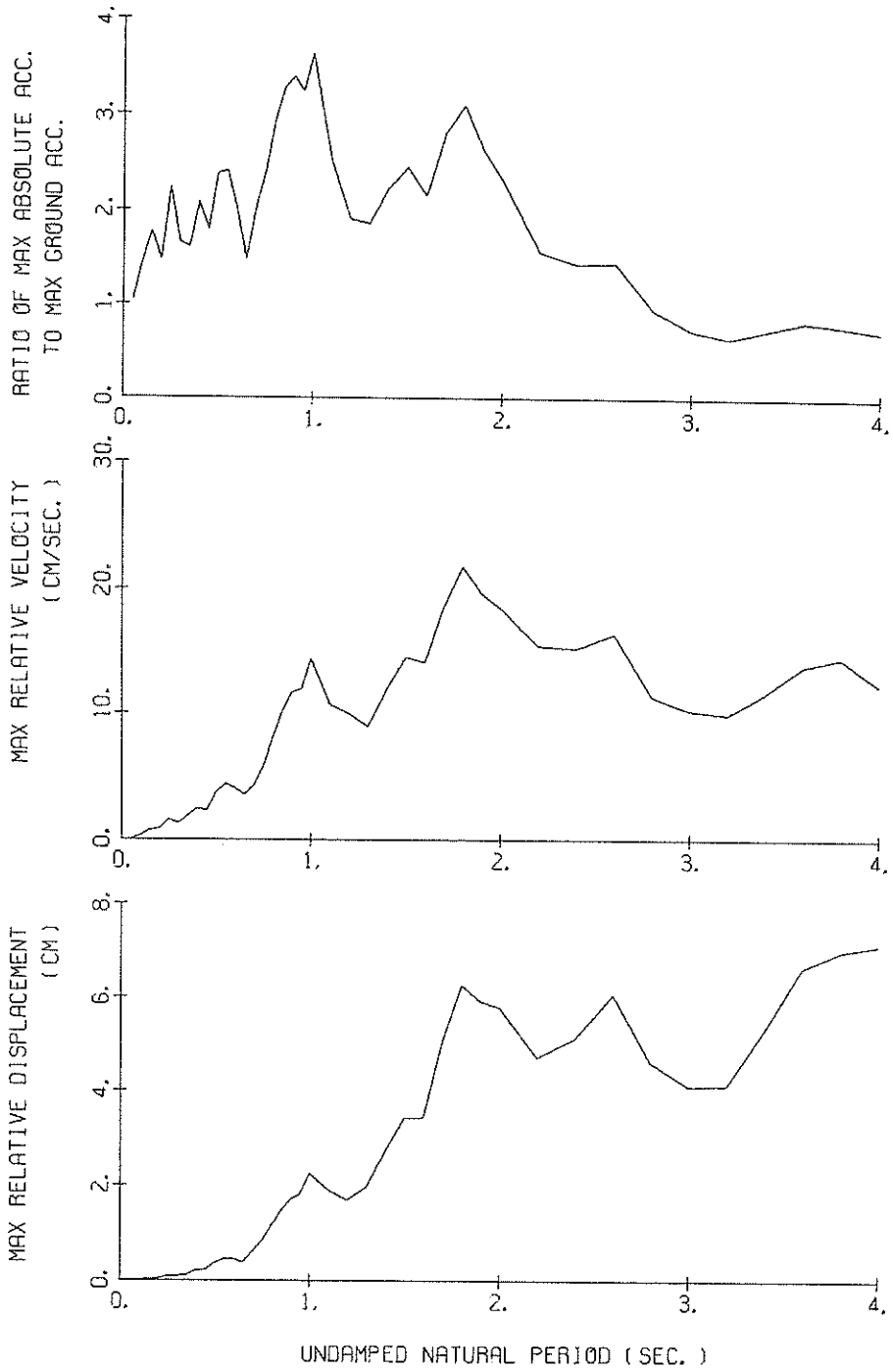
S-1192 DOWN AQMORI-S



S-1192 DOWN AOMORI-S



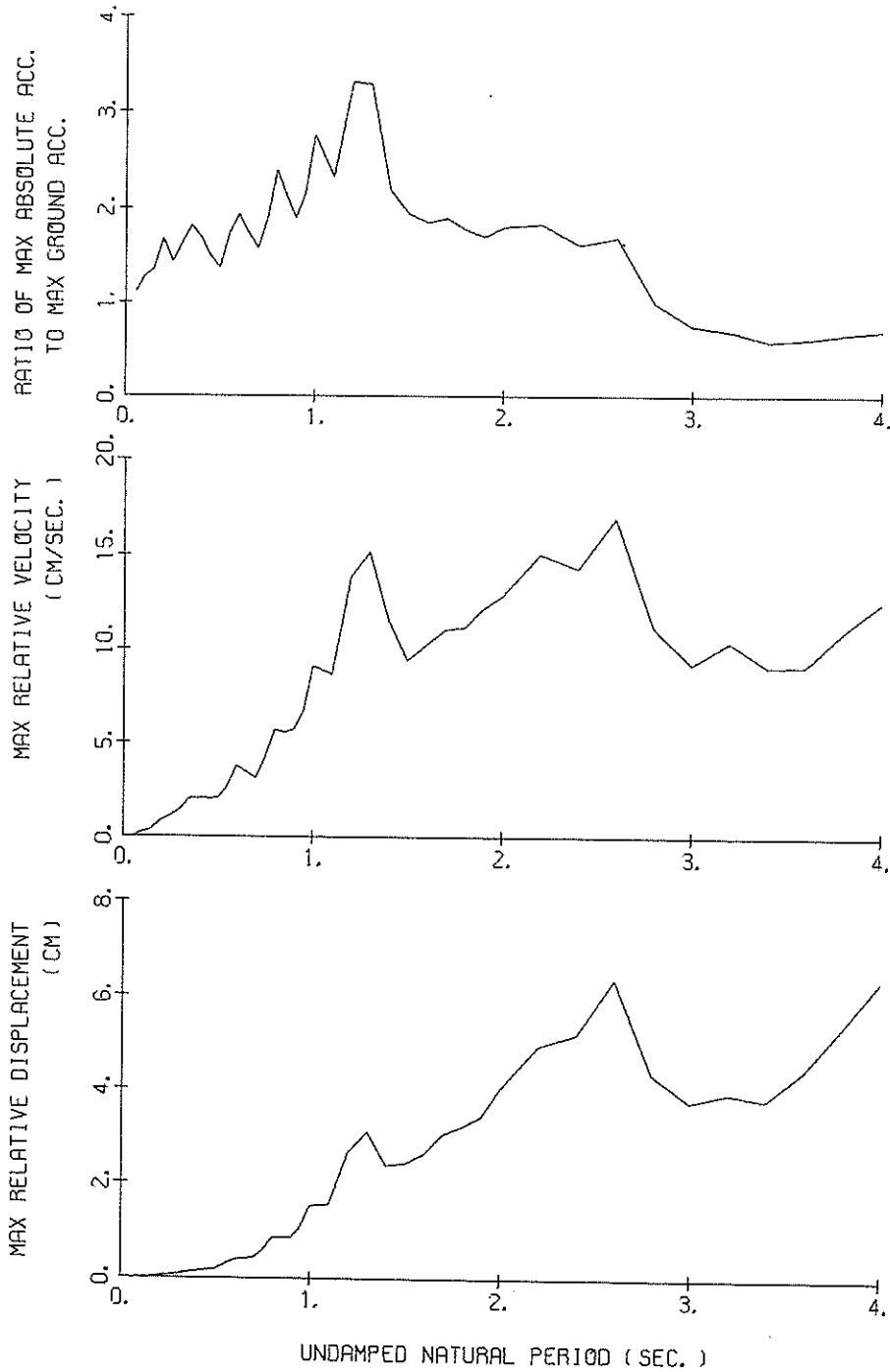
S-1192 EAST AOMORI-S
 (1/FC=5.65 sec.)



RESPONSE SPECTRA (H=0.05)

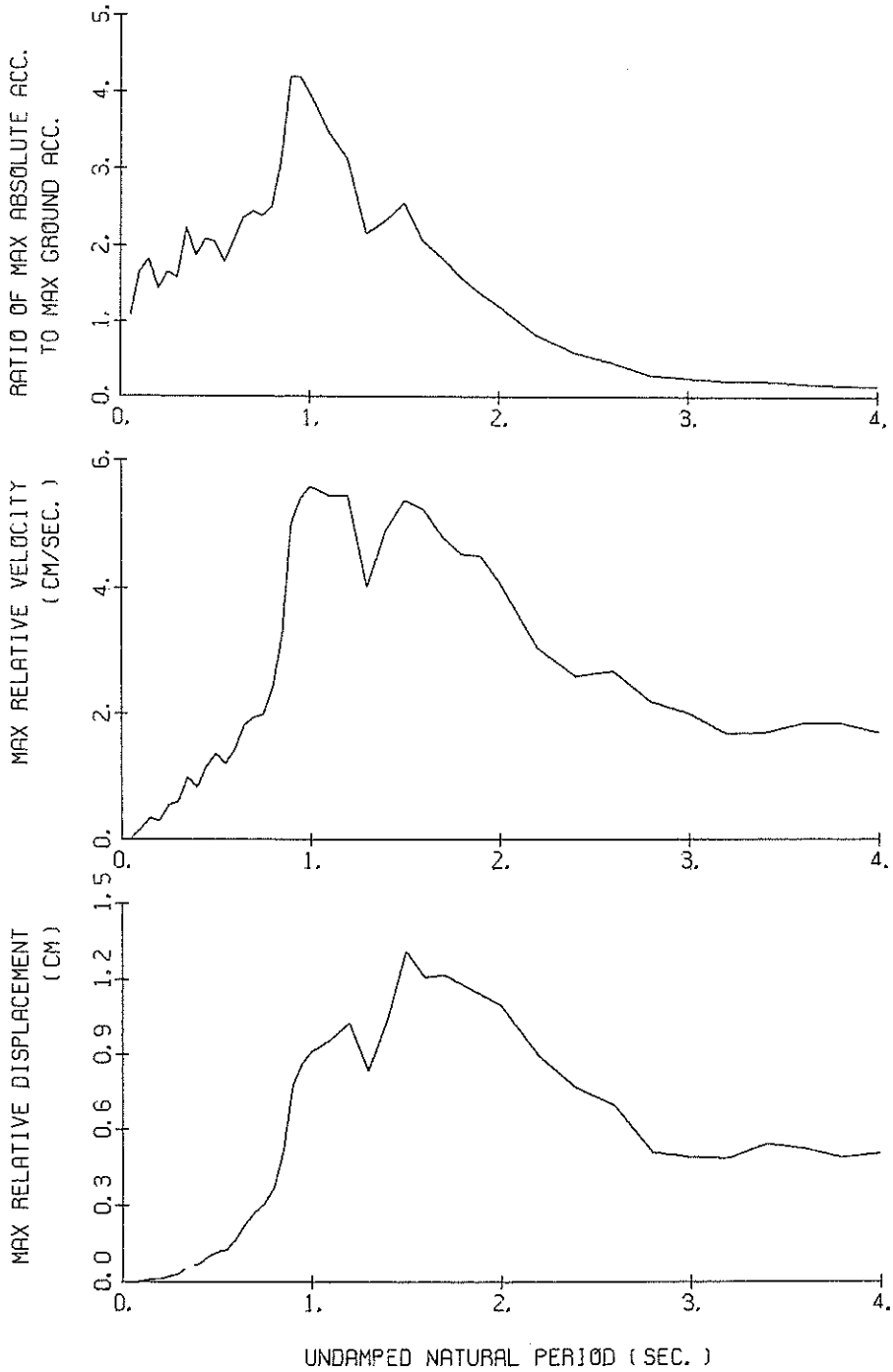
S-1192 SOUTH AOMORI-S

(1/FC=5.68 sec.)



RESPONSE SPECTRA (H=0.05)

S-1192 DOWN AOMORI-S
(1/FC=2.56 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1192
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 50.00 (SEC)

COMPONENT = EAST
 SIGNAL = GR. ACC.
 SAMPRING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 30.00 (SEC)

CORRECTION = ARC.ERR.
 MAX. GROUND ACC. = 24.65 (GAL)

STATION = AOMORI-S

PER	DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	43.5	0.23	0.003	26.2	0.04	0.002	25.6	0.05	0.002	25.4	0.04	0.002
0.10	115.3	1.80	0.029	35.3	0.36	0.009	34.0	0.23	0.009	30.4	0.18	0.007
0.15	107.7	2.07	0.061	50.9	0.90	0.029	43.7	0.77	0.025	37.9	0.54	0.031
0.20	140.9	4.20	0.143	45.7	1.09	0.046	35.4	0.81	0.037	31.8	0.36	0.017
0.25	180.2	6.73	0.285	64.8	1.91	0.102	55.1	1.57	0.087	43.9	0.65	0.031
0.30	119.4	5.11	0.272	49.2	1.80	0.112	40.7	1.26	0.093	32.2	0.74	0.048
0.35	138.2	7.41	0.429	50.6	2.55	0.157	39.4	1.87	0.122	30.0	0.78	0.064
0.40	325.3	20.63	1.318	69.4	3.78	0.281	51.3	2.45	0.207	29.6	0.92	0.087
0.45	88.2	5.84	0.452	45.4	2.74	0.232	44.2	2.24	0.226	30.2	1.16	0.116
0.50	98.6	7.04	0.624	63.2	4.47	0.399	58.7	3.69	0.370	32.4	1.41	0.155
0.55	77.9	6.56	0.597	68.7	5.40	0.526	59.3	4.42	0.452	33.0	1.89	0.224
0.60	112.6	9.86	1.027	55.1	4.69	0.502	49.3	3.98	0.447	30.1	1.97	0.257
0.65	125.8	12.44	1.366	51.5	4.87	0.550	36.5	3.51	0.389	31.9	2.18	0.316
0.70	195.1	21.44	2.622	61.7	5.95	0.764	50.0	4.30	0.619	33.9	2.66	0.384
0.75	147.7	17.26	2.105	63.8	7.31	0.908	59.2	5.80	0.840	35.4	3.21	0.455
0.80	115.5	13.74	1.872	82.3	9.60	1.333	72.3	8.08	1.166	37.4	3.72	0.521
0.85	125.3	16.56	2.293	96.1	12.51	1.757	80.8	10.20	1.472	35.0	4.10	0.581
0.90	155.6	21.59	3.192	102.4	14.45	2.099	83.7	11.64	1.708	33.6	4.35	0.633
0.95	217.7	32.52	4.976	110.5	15.99	2.524	79.8	11.88	1.816	32.3	4.54	0.670
1.00	503.9	79.34	12.763	149.7	23.28	3.787	89.5	14.34	2.257	30.6	4.62	0.689
1.10	143.2	24.60	4.388	75.7	13.44	2.317	61.9	10.68	1.687	26.1	4.43	0.755
1.20	175.1	33.22	6.386	64.8	13.36	2.361	46.8	9.93	1.698	26.8	4.36	0.914
1.30	145.8	23.55	4.958	65.6	12.50	2.805	45.9	8.93	1.957	28.0	4.51	1.112
1.40	78.1	16.11	3.875	75.7	15.28	3.753	55.0	11.95	2.721	29.6	4.99	1.355
1.50	174.0	41.26	9.918	85.8	20.54	4.883	60.5	14.50	3.431	31.1	5.65	1.620
1.60	134.1	33.96	6.698	68.2	17.65	4.415	53.1	14.07	3.423	31.9	6.22	1.877
1.70	133.3	35.62	8.759	92.1	25.23	6.733	69.4	18.59	5.056	31.9	6.89	2.099
1.80	166.1	46.64	13.631	99.4	29.04	8.147	76.5	21.84	6.249	31.1	7.58	2.261
1.90	119.6	36.92	10.939	76.4	23.73	6.981	65.0	19.69	5.912	29.3	8.01	2.349
2.00	87.1	28.67	8.825	62.4	20.47	6.315	57.3	18.50	5.779	26.9	8.19	2.363
2.20	44.5	16.39	5.454	44.8	17.79	5.478	38.7	15.47	4.705	21.6	7.88	2.248
2.40	67.7	26.67	9.873	48.5	19.87	7.062	35.3	15.24	5.120	18.8	7.25	2.336
2.60	102.5	43.24	17.554	51.9	23.39	8.883	36.4	16.40	6.060	16.5	7.31	2.385
2.80	41.5	20.15	8.248	29.8	14.34	5.917	23.4	11.33	4.601	14.2	7.37	2.351
3.00	37.3	19.71	8.498	22.6	12.49	5.151	18.1	10.23	4.096	12.3	7.32	2.390
3.20	19.7	11.66	5.100	16.0	10.44	4.139	15.9	9.89	4.103	11.4	7.24	2.528
3.40	34.1	20.20	9.979	22.1	14.40	6.653	18.2	11.65	5.308	10.8	7.18	2.694
3.60	37.7	23.47	12.389	26.5	16.82	8.638	20.3	13.80	6.638	14.4	7.23	2.876
3.80	34.2	21.53	12.527	25.5	17.36	9.312	19.3	14.47	6.992	10.0	7.23	3.053
4.00	34.3	23.02	13.909	22.7	14.84	9.183	17.7	12.25	7.120	9.6	7.03	3.211

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

RESPONSE SPECTRUM

RECORD = S-1192 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = AOMORI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 22.08 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 30.00 (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO		
0.05	40.9	0.22	0.003	25.7	0.04	0.002	24.2	0.03	0.002	23.1	0.03	0.001	22.6	0.03	0.001	22.6	0.03	0.001		
0.10	76.2	1.14	0.019	32.9	0.31	0.008	28.1	0.22	0.007	26.6	0.16	0.007	24.9	0.11	0.006	24.9	0.11	0.006		
0.15	95.2	1.93	0.054	35.9	0.55	0.020	29.9	0.40	0.017	27.6	0.28	0.016	25.9	0.22	0.014	25.9	0.22	0.014		
0.20	109.0	3.17	0.110	44.0	1.15	0.045	37.2	0.86	0.037	31.3	0.60	0.031	25.8	0.38	0.025	25.8	0.38	0.025		
0.25	126.9	4.84	0.201	42.2	1.47	0.067	31.7	1.09	0.050	25.8	0.73	0.040	23.4	0.49	0.036	23.4	0.49	0.036		
0.30	186.4	8.64	0.425	51.1	2.43	0.116	36.1	1.44	0.082	28.8	1.08	0.065	22.8	0.67	0.049	22.8	0.67	0.049		
0.35	165.3	8.99	0.516	46.3	2.94	0.174	40.0	2.01	0.124	31.0	1.48	0.095	23.7	0.81	0.067	23.7	0.81	0.067		
0.40	102.4	6.15	0.415	48.5	2.52	0.196	37.2	2.01	0.150	27.7	1.48	0.110	22.4	0.90	0.084	22.4	0.90	0.084		
0.45	82.3	4.97	0.422	42.2	2.41	0.217	32.9	2.01	0.168	28.2	1.57	0.143	22.5	0.96	0.113	22.5	0.96	0.113		
0.50	96.1	7.28	0.608	37.7	2.55	0.238	30.2	2.05	0.190	28.0	1.55	0.174	23.5	1.09	0.143	23.5	1.09	0.143		
0.55	100.0	8.39	0.767	46.9	3.31	0.360	38.5	2.64	0.294	28.0	2.05	0.211	24.3	1.26	0.180	24.3	1.26	0.180		
0.60	177.6	16.50	1.619	60.8	5.56	0.554	42.7	3.72	0.388	30.0	2.38	0.271	25.0	1.50	0.219	25.0	1.50	0.219		
0.65	155.8	16.02	1.668	49.3	4.49	0.527	38.4	3.40	0.409	29.2	2.31	0.309	25.9	1.74	0.265	25.9	1.74	0.265		
0.70	94.8	9.73	1.176	45.9	4.22	0.589	34.7	3.07	0.429	31.5	2.55	0.386	27.1	2.00	0.319	27.1	2.00	0.319		
0.75	99.9	11.16	1.424	49.5	5.43	0.705	41.6	4.21	0.590	35.3	3.14	0.496	28.4	2.28	0.381	28.4	2.28	0.381		
0.80	93.7	11.43	1.519	66.3	7.55	1.073	52.9	5.68	0.854	38.1	3.76	0.607	29.7	2.57	0.450	29.7	2.57	0.450		
0.85	110.1	14.59	2.015	65.6	8.67	1.200	46.9	5.52	0.854	37.0	4.24	0.669	30.9	2.86	0.525	30.9	2.86	0.525		
0.90	137.6	19.61	2.824	58.5	8.31	1.199	41.9	5.69	0.856	39.0	4.80	0.789	31.9	3.13	0.603	31.9	3.13	0.603		
0.95	87.0	12.63	1.989	49.9	6.85	1.140	47.7	6.62	1.087	43.0	5.64	0.969	32.6	3.40	0.684	32.6	3.40	0.684		
1.00	126.9	20.34	3.215	79.6	12.15	2.014	60.8	9.11	1.533	46.9	6.61	1.171	33.0	3.77	0.766	33.0	3.77	0.766		
1.10	112.2	18.73	3.437	75.2	12.12	2.303	51.3	8.65	1.566	48.0	7.83	1.446	33.0	4.34	0.916	33.0	4.34	0.916		
1.20	209.8	40.03	7.654	93.7	17.67	3.415	73.1	13.86	2.651	53.2	9.55	1.900	31.5	5.03	1.033	31.5	5.03	1.033		
1.30	175.8	35.73	7.524	98.7	19.94	4.219	72.4	15.16	3.083	48.7	10.30	2.062	28.0	5.32	1.036	28.0	5.32	1.036		
1.40	111.8	25.15	5.550	65.9	14.37	3.269	48.2	11.57	3.379	36.0	8.82	1.747	24.1	5.16	1.055	24.1	5.16	1.055		
1.50	158.1	37.75	9.014	54.6	12.63	3.106	42.6	9.42	2.417	31.5	7.37	1.768	22.5	4.73	1.131	22.5	4.73	1.131		
1.60	109.1	27.95	7.075	51.7	12.88	3.351	40.7	10.25	2.629	30.3	7.44	1.928	21.3	4.99	1.230	21.3	4.99	1.230		
1.70	116.1	31.52	8.502	62.4	16.47	4.565	41.8	11.06	3.046	28.2	7.53	2.019	21.2	5.27	1.371	21.2	5.27	1.371		
1.80	93.6	26.76	7.680	51.3	13.96	4.206	39.2	11.17	3.200	29.3	8.83	2.348	20.9	5.50	1.522	20.9	5.50	1.522		
1.90	96.9	29.77	8.864	46.4	14.84	4.235	37.6	12.18	3.418	29.7	9.58	2.659	20.9	5.58	1.660	20.9	5.58	1.660		
2.00	91.9	29.62	9.313	57.1	18.03	5.781	39.9	12.86	4.028	30.1	9.98	2.978	20.3	5.98	1.771	20.3	5.98	1.771		
2.20	102.1	35.99	12.516	57.0	21.36	6.981	40.5	15.06	4.935	26.6	9.74	3.168	18.3	6.77	1.881	18.3	6.77	1.881		
2.40	64.7	24.70	9.433	44.3	17.11	6.457	35.6	14.30	5.169	25.5	11.66	3.629	15.5	7.10	2.015	15.5	7.10	2.015		
2.60	101.5	43.61	17.375	50.7	22.40	8.665	37.4	16.98	6.357	25.1	11.94	4.185	15.0	7.06	2.219	15.0	7.06	2.219		
2.80	33.0	16.64	6.556	25.4	12.75	5.042	21.9	11.16	4.317	19.4	9.03	3.738	13.6	6.60	2.270	13.6	6.60	2.270		
3.00	31.1	17.10	7.063	19.7	10.87	4.490	16.6	9.20	3.739	15.2	8.32	3.326	11.9	5.91	2.205	11.9	5.91	2.205		
3.20	24.3	15.29	6.311	18.7	12.26	4.834	15.3	10.38	3.920	12.2	8.33	3.019	10.2	5.82	2.070	10.2	5.82	2.070		
3.40	26.4	13.30	7.740	16.1	10.48	4.719	13.0	9.05	3.774	11.2	7.57	3.160	8.7	5.98	2.124	8.7	5.98	2.124		
3.60	21.6	13.46	7.088	15.3	9.57	5.008	13.6	9.10	4.416	10.9	8.14	3.468	8.5	6.05	2.451	8.5	6.05	2.451		
3.80	22.2	14.39	8.116	17.8	12.35	6.502	14.7	10.95	5.341	11.2	8.99	4.024	8.7	5.98	2.774	8.7	5.98	2.774		
4.00	24.1	17.47	9.780	18.2	14.58	7.379	15.7	12.48	6.317	12.6	9.70	4.968	8.8	5.89	3.058	8.8	5.89	3.058		

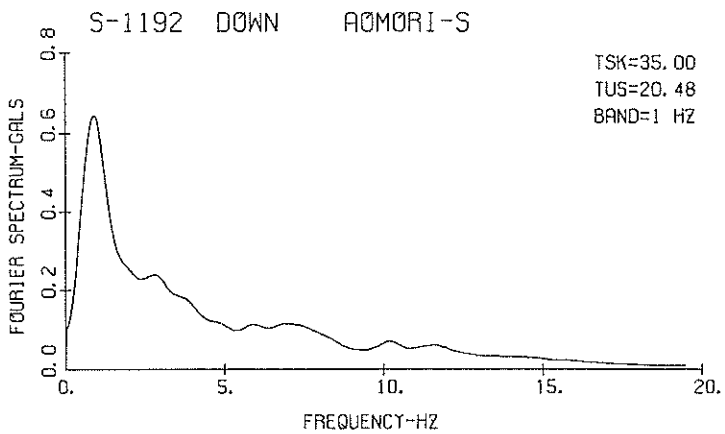
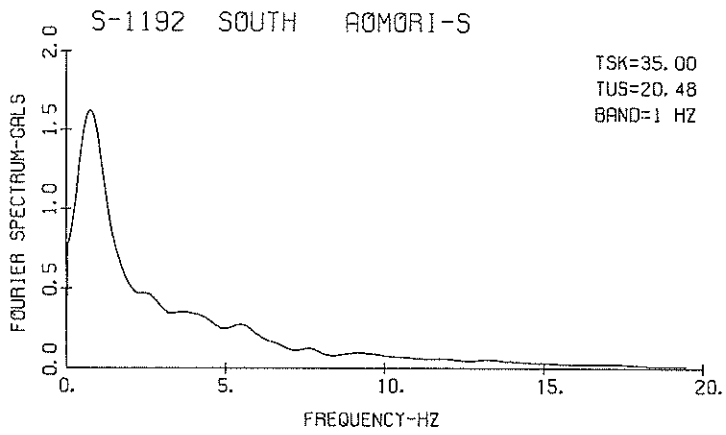
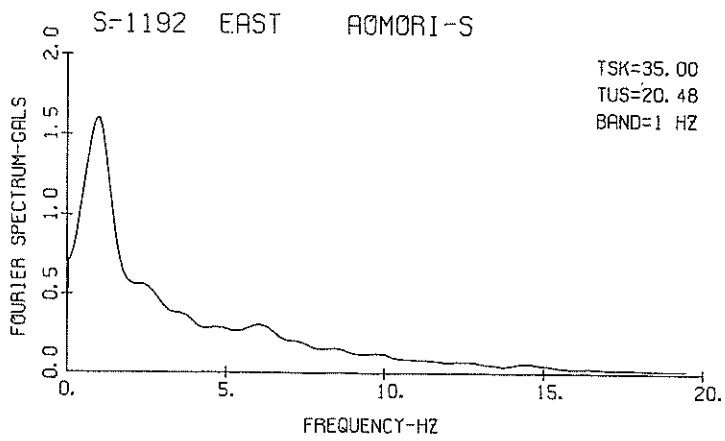
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RO = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1192 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = AQMORI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 9.06 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 30.00 (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	21.7	0.15	0.001	10.1	0.03	0.001	9.6	0.03	0.001	9.4	0.02	0.001	9.2	0.02	0.001	9.2	0.02	0.001		
0.10	74.5	1.10	0.019	18.4	0.21	0.005	15.0	0.17	0.004	11.6	0.12	0.003	9.6	0.08	0.002	9.6	0.08	0.002		
0.15	43.9	1.02	0.025	19.2	0.42	0.011	16.6	0.34	0.009	13.3	0.27	0.007	10.4	0.15	0.006	10.4	0.15	0.006		
0.20	57.8	1.84	0.059	16.3	0.42	0.017	13.0	0.29	0.013	11.1	0.25	0.011	10.1	0.16	0.010	10.1	0.16	0.010		
0.25	51.4	2.00	0.081	20.3	0.78	0.032	15.0	0.54	0.024	12.3	0.38	0.019	9.5	0.26	0.015	9.5	0.26	0.015		
0.30	37.1	1.64	0.085	18.6	0.80	0.042	14.3	0.59	0.033	11.5	0.47	0.024	9.9	0.32	0.021	9.9	0.32	0.021		
0.35	70.3	3.83	0.218	25.6	1.32	0.079	20.3	0.98	0.063	15.0	0.68	0.046	11.3	0.39	0.032	11.3	0.39	0.032		
0.40	47.7	2.78	0.193	21.8	1.13	0.088	17.0	0.82	0.069	14.6	0.62	0.058	11.4	0.44	0.044	11.4	0.44	0.044		
0.45	74.0	5.02	0.380	26.3	1.66	0.135	19.0	1.16	0.097	14.4	0.81	0.073	11.9	0.55	0.059	11.9	0.55	0.059		
0.50	52.5	4.11	0.333	24.1	1.70	0.152	18.5	1.36	0.117	14.7	1.01	0.091	12.5	0.65	0.075	12.5	0.65	0.075		
0.55	43.7	3.51	0.335	22.6	1.75	0.173	16.2	1.20	0.124	13.9	1.04	0.105	12.8	0.72	0.093	12.8	0.72	0.093		
0.60	84.6	7.53	0.771	24.5	2.00	0.224	18.8	1.42	0.171	15.6	1.17	0.141	13.2	0.83	0.113	13.2	0.83	0.113		
0.65	51.0	4.83	0.546	25.7	2.25	0.275	21.4	1.81	0.228	17.7	1.46	0.187	13.4	0.98	0.135	13.4	0.98	0.135		
0.70	48.0	5.20	0.596	23.1	2.13	0.286	22.2	1.94	0.275	19.0	1.68	0.233	13.6	1.15	0.157	13.6	1.15	0.157		
0.75	83.1	9.88	1.184	24.1	2.51	0.344	21.6	1.98	0.307	19.6	1.85	0.275	14.1	1.31	0.187	14.1	1.31	0.187		
0.80	60.2	7.38	0.976	27.7	3.28	0.449	22.8	2.42	0.369	20.8	2.13	0.332	14.6	1.47	0.218	14.6	1.47	0.218		
0.85	53.5	7.13	0.979	35.9	4.48	0.656	28.2	3.25	0.515	23.2	2.66	0.418	14.8	1.63	0.250	14.8	1.63	0.250		
0.90	105.3	14.81	2.161	53.0	7.07	1.087	38.0	5.02	0.777	25.6	3.34	0.516	14.7	1.76	0.279	14.7	1.76	0.279		
0.95	99.5	14.85	2.275	48.6	7.05	1.109	38.0	5.41	0.864	25.9	3.67	0.580	14.6	1.90	0.306	14.6	1.90	0.306		
1.00	182.2	28.80	4.615	57.0	9.04	1.441	36.2	5.58	0.912	23.4	3.58	0.581	14.2	2.03	0.328	14.2	2.03	0.328		
1.10	151.8	26.92	4.653	45.2	7.88	1.384	31.5	5.44	0.961	21.9	3.75	0.660	13.2	2.19	0.365	13.2	2.19	0.365		
1.20	136.8	26.06	4.988	42.3	8.08	1.542	28.3	5.44	1.029	19.8	3.78	0.708	12.2	2.21	0.400	12.2	2.21	0.400		
1.30	52.0	11.00	2.225	27.1	5.58	1.158	19.6	4.02	0.834	16.3	3.37	0.684	11.1	2.17	0.422	11.1	2.17	0.422		
1.40	76.3	16.91	3.788	28.4	6.50	1.410	21.1	4.91	1.041	15.1	3.56	0.733	10.1	2.11	0.438	10.1	2.11	0.438		
1.50	70.3	17.19	4.009	32.2	7.57	1.831	23.1	5.38	1.312	14.8	3.44	0.825	9.2	2.12	0.454	9.2	2.12	0.454		
1.60	50.7	13.18	3.286	27.0	7.39	1.745	18.7	5.23	1.208	12.3	3.56	0.775	8.4	2.18	0.466	8.4	2.18	0.466		
1.70	55.0	15.94	4.027	24.1	7.29	1.760	16.7	4.80	1.217	11.6	3.36	0.827	7.6	2.22	0.467	7.6	2.22	0.467		
1.80	24.6	7.52	3.023	18.8	5.65	1.539	14.4	4.53	1.177	10.2	3.53	0.815	7.0	2.22	0.485	7.0	2.22	0.485		
1.90	34.6	10.67	3.167	15.8	5.64	1.445	12.5	4.50	1.137	9.5	3.41	0.841	6.6	2.17	0.498	6.6	2.17	0.498		
2.00	22.8	8.30	2.311	14.0	5.29	1.415	10.9	4.10	1.098	8.2	3.04	0.807	6.0	2.08	0.497	6.0	2.08	0.497		
2.20	15.0	6.36	1.842	8.9	3.74	1.095	7.4	3.06	0.895	5.8	2.59	0.680	4.9	1.96	0.464	4.9	1.96	0.464		
2.40	16.2	6.47	2.360	6.4	3.22	0.926	5.3	2.60	0.765	4.4	2.24	0.625	3.9	1.87	0.449	3.9	1.87	0.449		
2.60	9.8	4.44	1.678	4.9	3.17	0.830	4.1	2.68	0.694	3.3	2.18	0.548	3.3	1.77	0.427	3.3	1.77	0.427		
2.80	4.8	2.52	0.951	3.1	2.16	0.607	2.6	2.19	0.508	2.5	2.05	0.464	2.7	1.70	0.399	2.7	1.70	0.399		
3.00	4.3	3.00	0.970	2.5	2.28	0.570	2.2	2.00	0.489	1.9	1.85	0.411	2.4	1.66	0.373	2.4	1.66	0.373		
3.20	3.7	2.48	0.967	2.3	1.83	0.591	1.9	1.67	0.486	1.7	1.67	0.421	2.1	1.62	0.362	2.1	1.62	0.362		
3.40	2.5	1.93	0.729	2.1	1.67	0.615	1.9	1.69	0.539	1.6	1.67	0.451	1.8	1.59	0.355	1.8	1.59	0.355		
3.60	3.2	2.54	1.057	1.8	2.04	0.601	1.6	1.84	0.523	1.4	1.69	0.436	1.8	1.57	0.344	1.8	1.57	0.344		
3.80	2.6	2.50	0.934	1.7	2.00	0.601	1.4	1.84	0.487	1.2	1.69	0.403	1.6	1.56	0.332	1.6	1.56	0.332		
4.00	1.6	1.95	0.662	1.4	1.70	0.571	1.3	1.69	0.504	1.2	1.65	0.415	1.5	1.55	0.326	1.5	1.55	0.326		

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



FOURIER SPECTRA

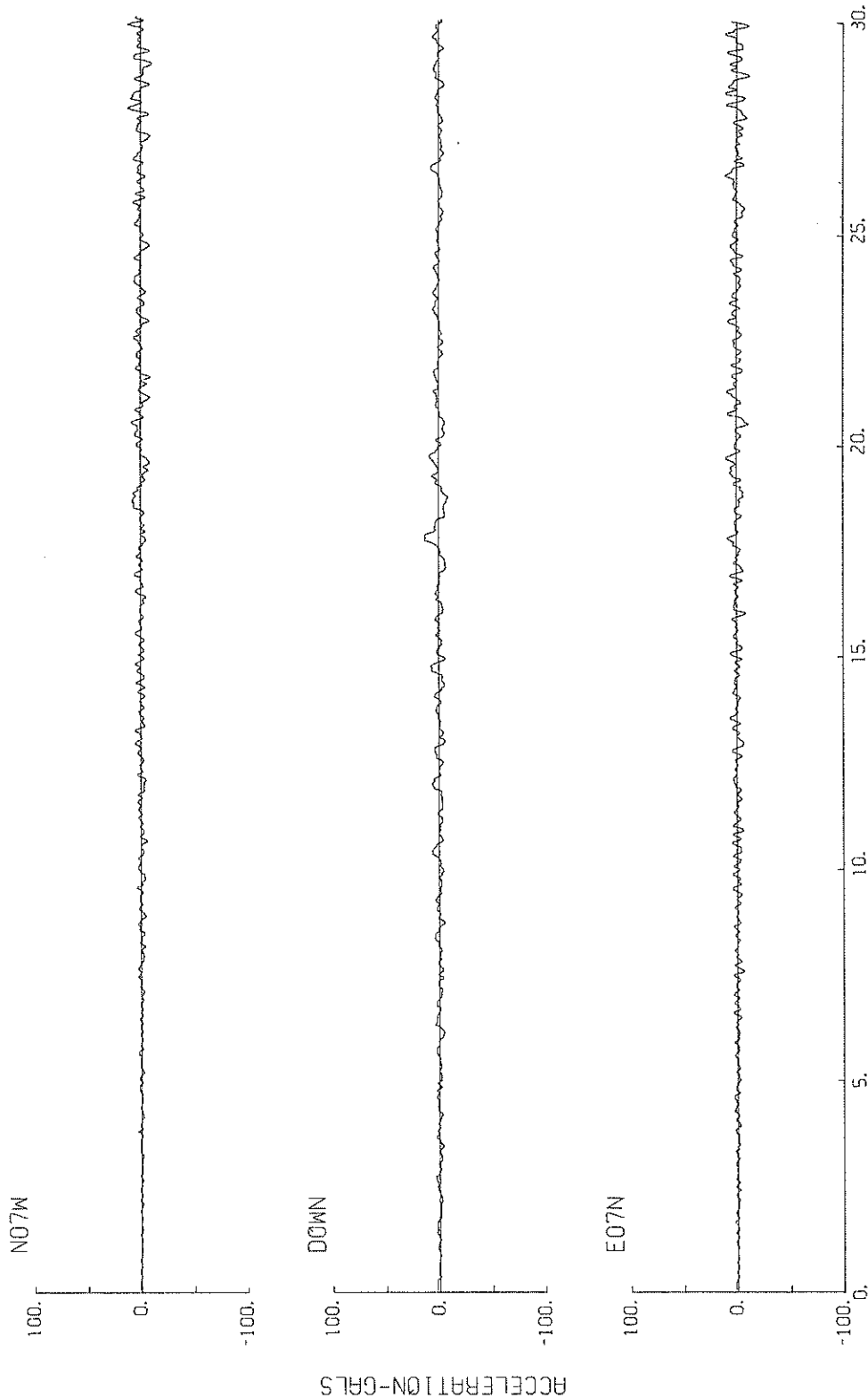
RECORD NUMBER S-1200
 STATION AKITA-S

EARTHQUAKE DATA

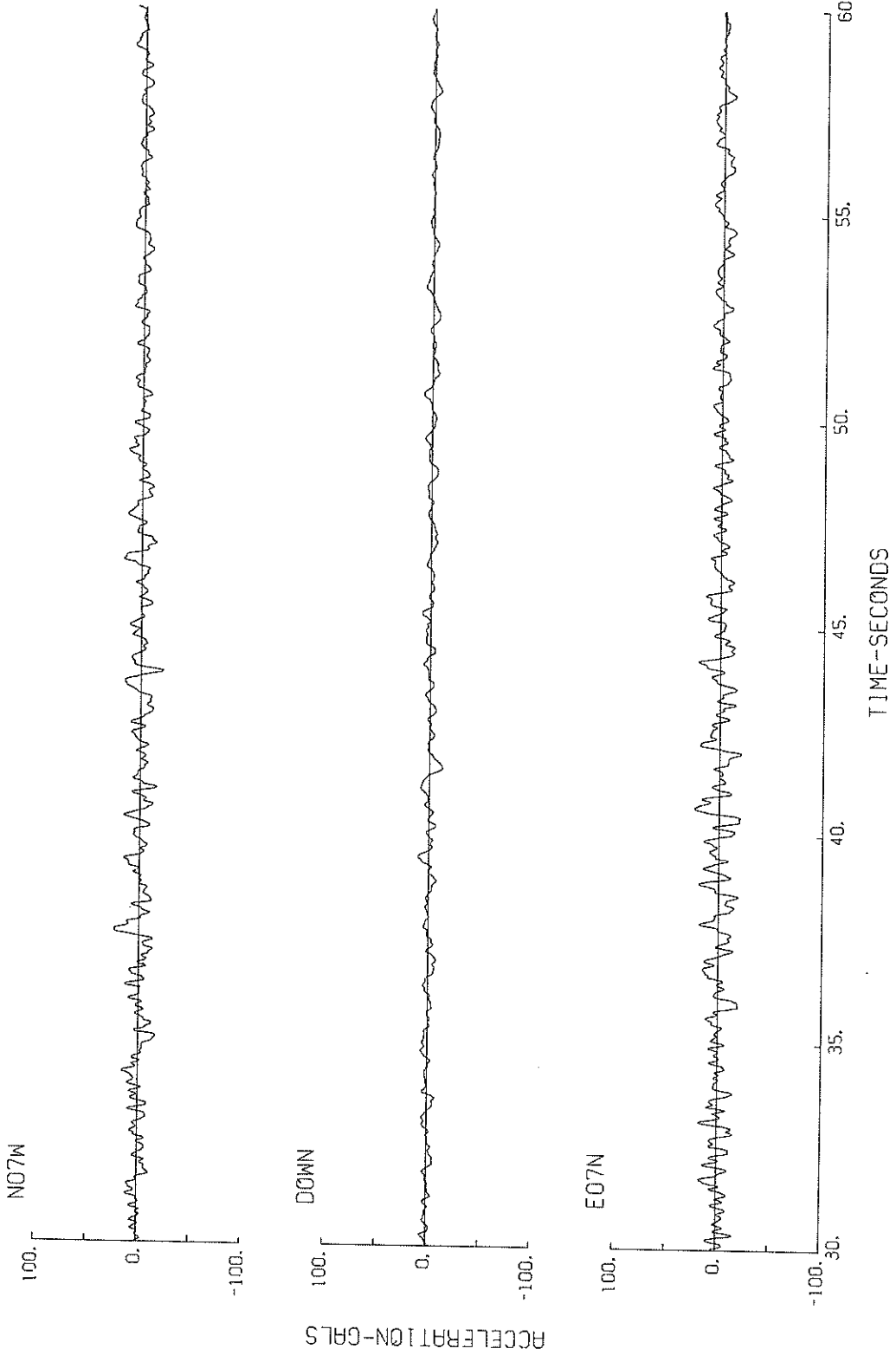
```
*****
*
*   DATE AND TIME          17:14 JUNE 12, 1978      *
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION     OFF MIYAGI PREF.          *
*   LATITUDE               38.15 N                 *
*   LONGITUDE              142.17 E                 *
*   DEPTH                   40KM                    *
*
*   MAGNITUDE              7.4                       *
*
*****
```

	ND7W	COMPONENT E07N	DOWN
<u>PARAMETER OF THE VARIABLE FILTER</u>			
FC (HZ)	0.196	0.208	0.214
<u>MAXIMUM ACCELERATION (GAL)</u>			
ORIGINAL	24.1	23.9	13.4
SMAC-B2 EQUIVALENT			
CORRECTED	27.9	26.2	15.7
<u>MAXIMUM VELOCITY (CM/SEC.)</u>			
FIXED FILTER	3.65	4.03	2.34
VARIABLE FILTER	3.62	4.11	2.58
<u>MAXIMUM DISPLACEMENT (CM)</u>			
FIXED FILTER	2.41	1.50	1.48
VARIABLE FILTER	1.37	0.93	0.68

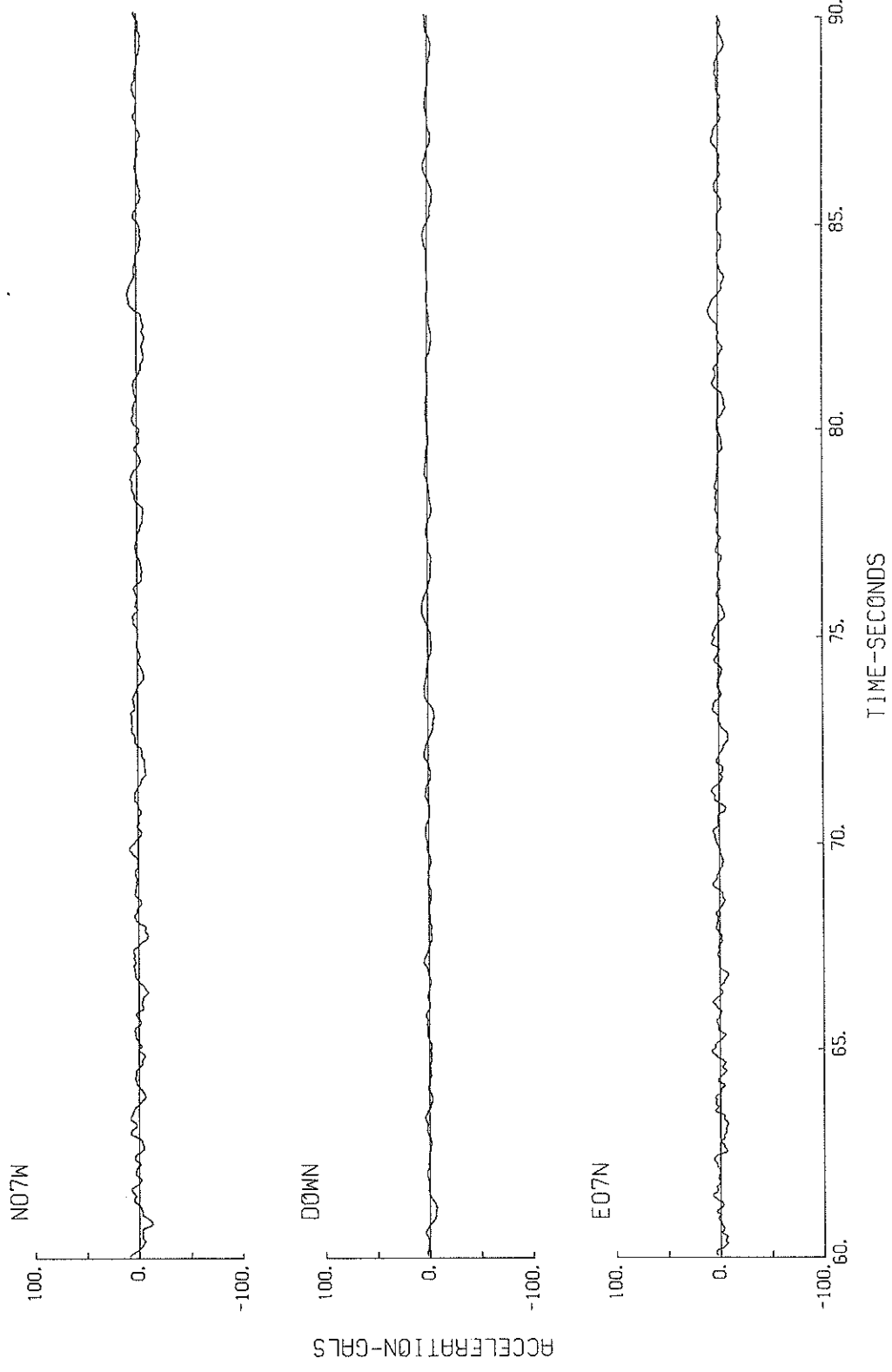
S-1200 AKITA-S



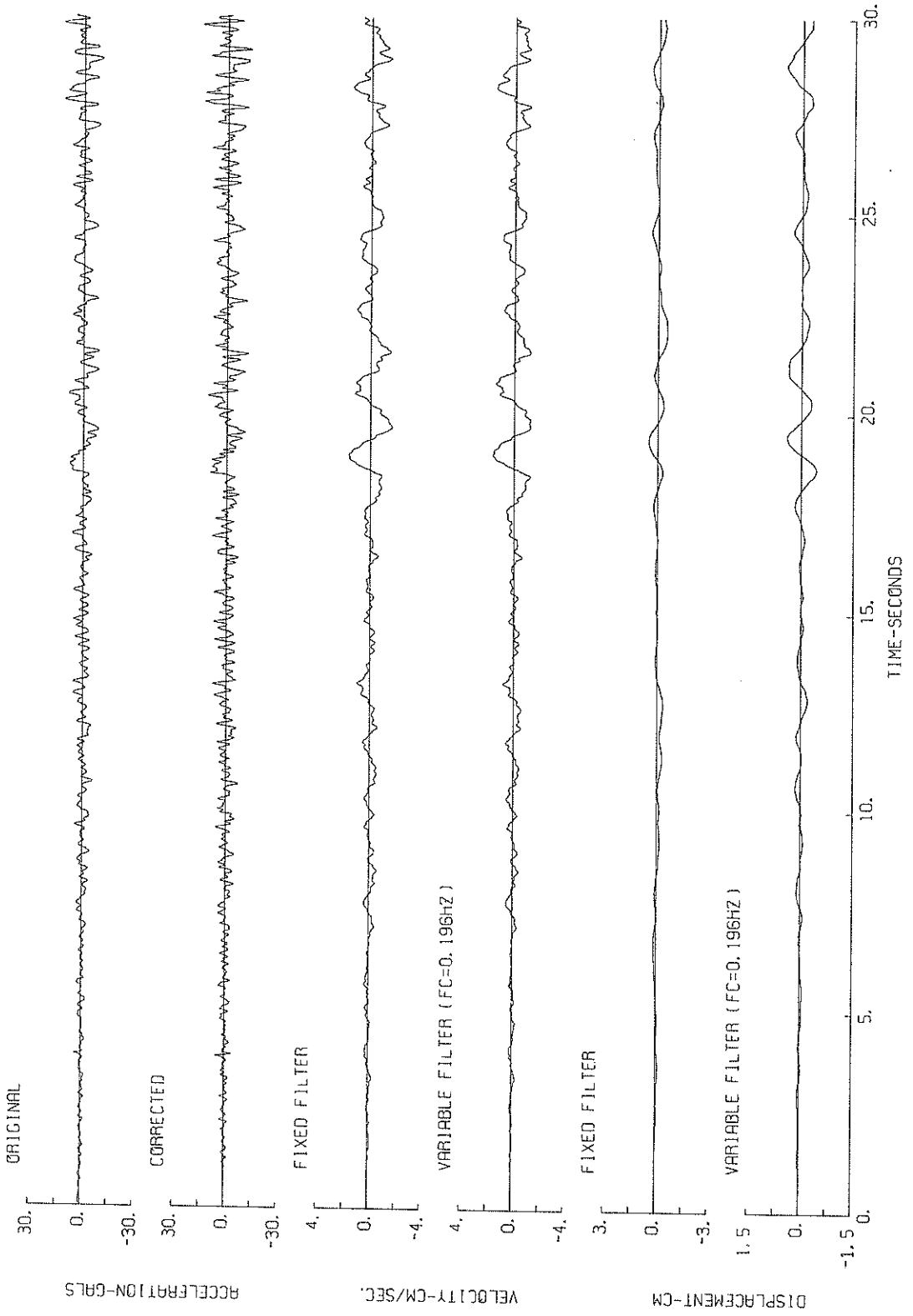
S-1200 AKITA-S



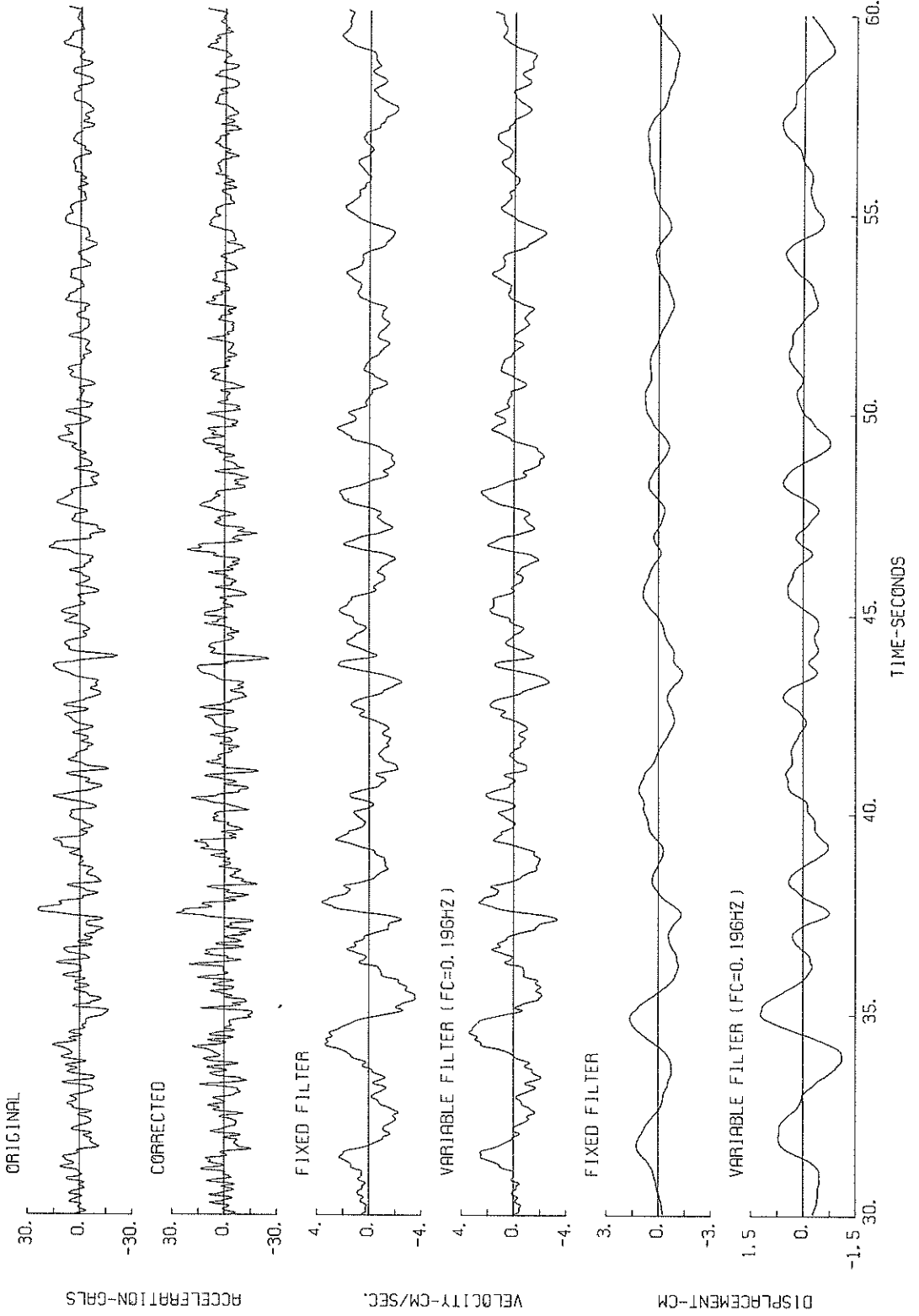
Ş-1200 AKITA-S



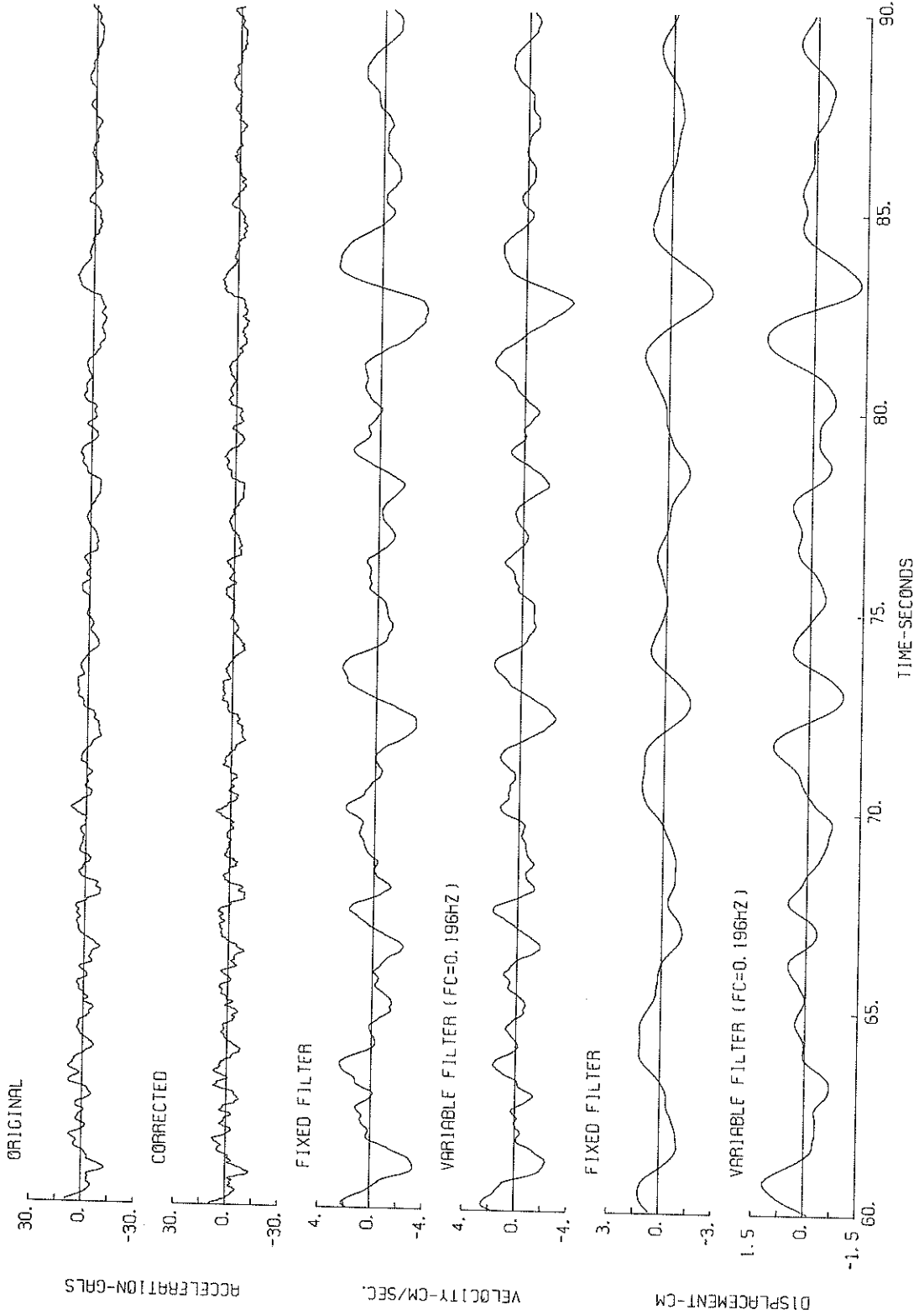
S-1200 N07W AKITA-S



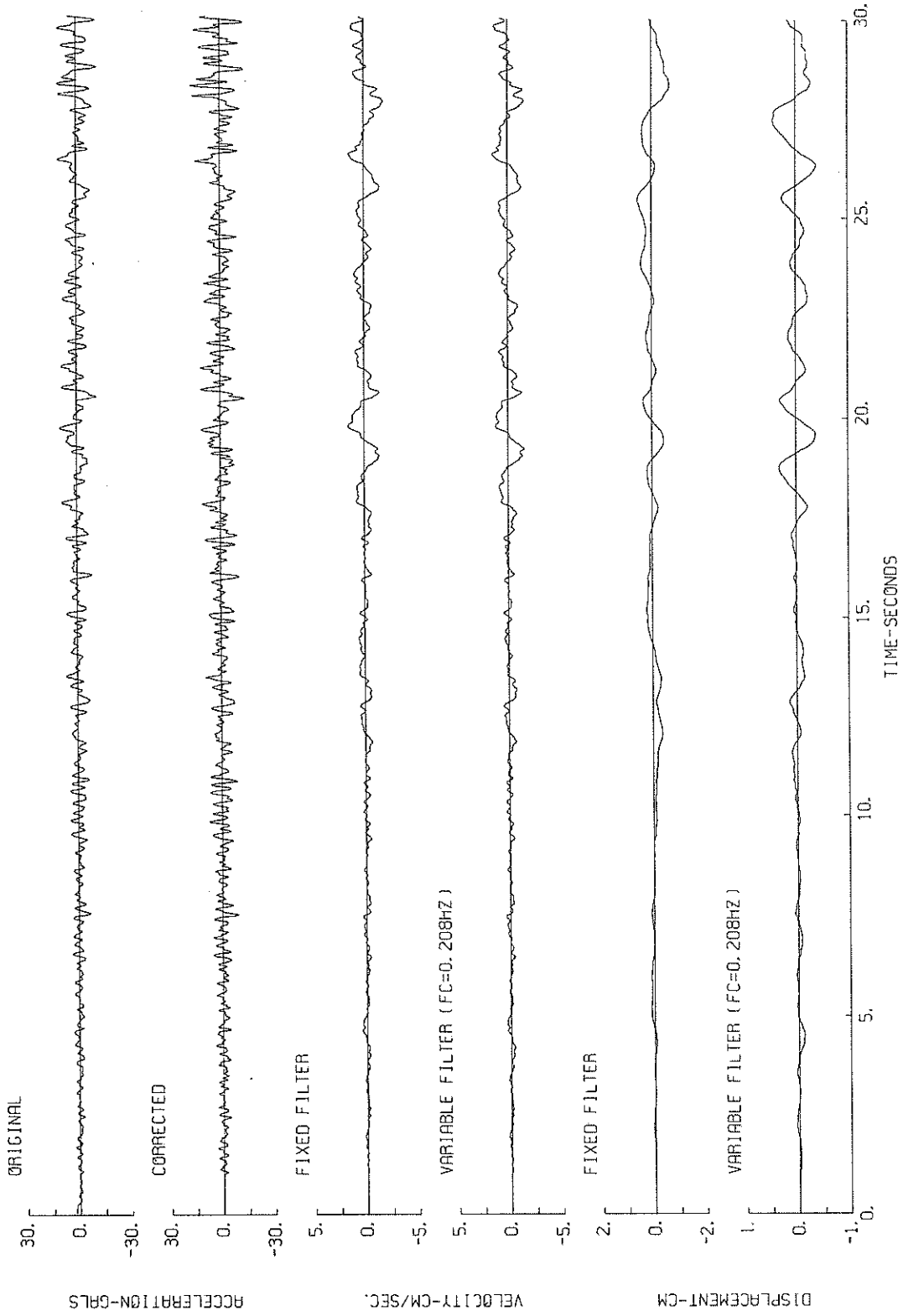
S-1200 N07W AKITA-S



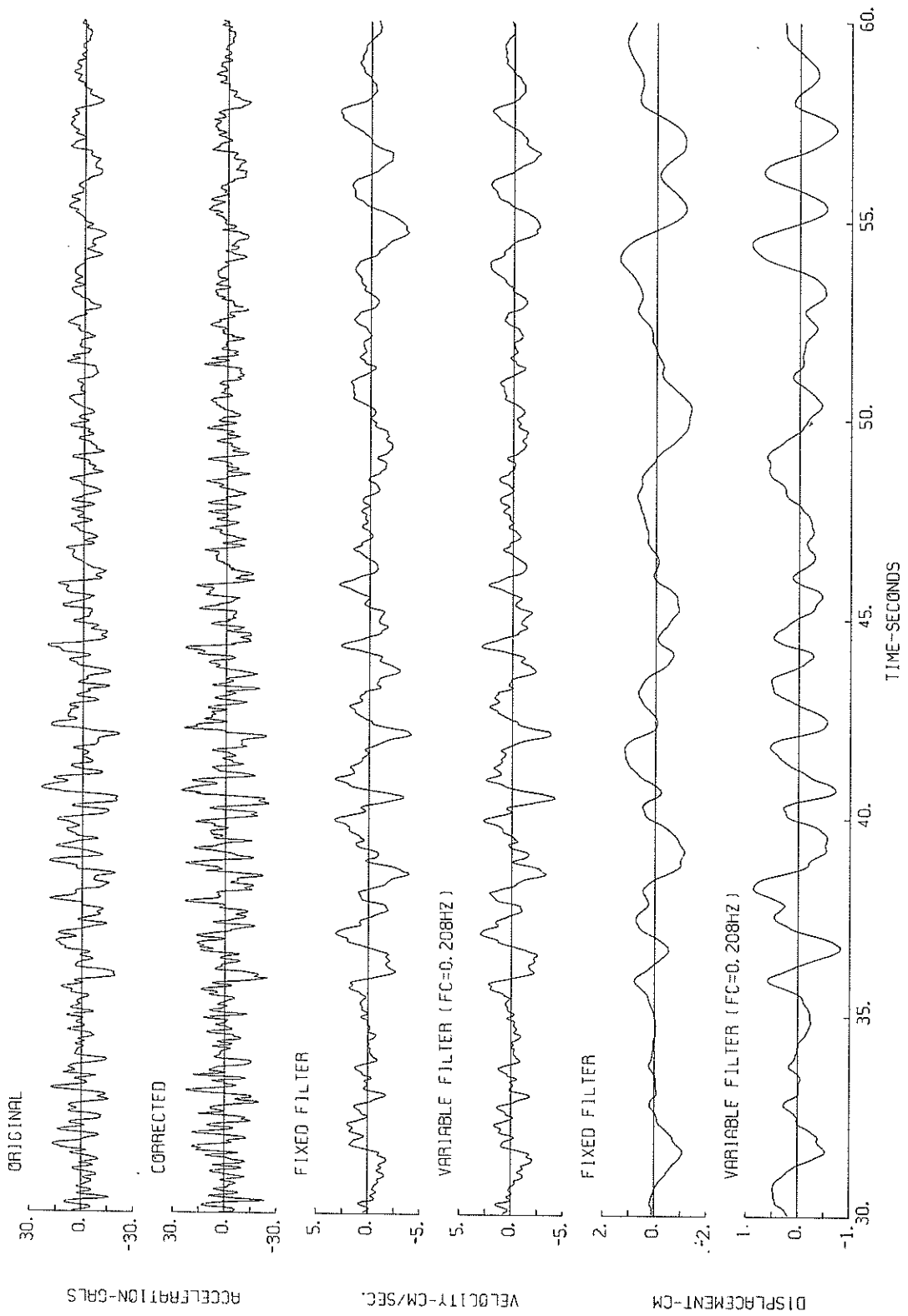
S-1200 -N07W AKITA-S



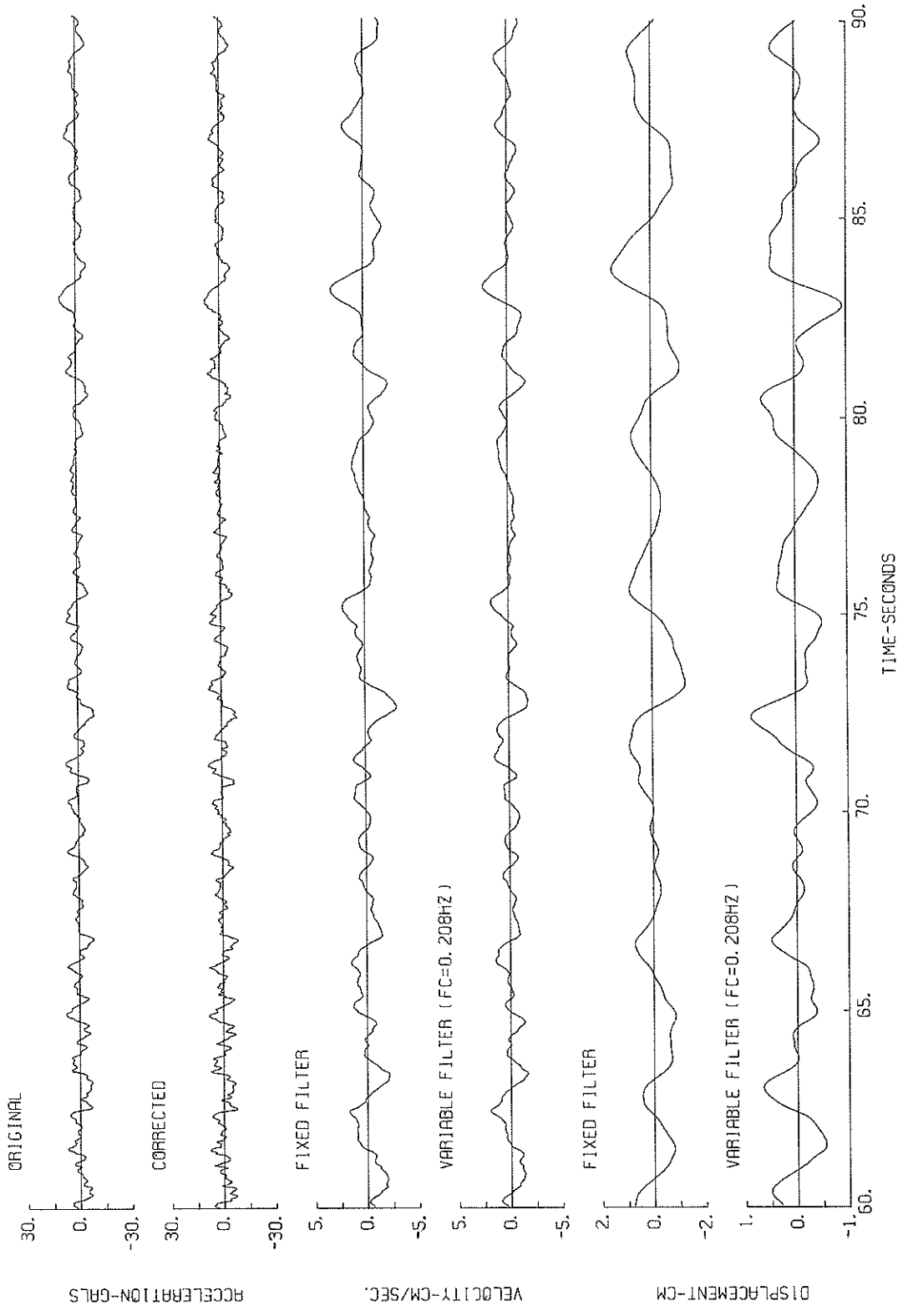
S-1200 E07N AKITA-S



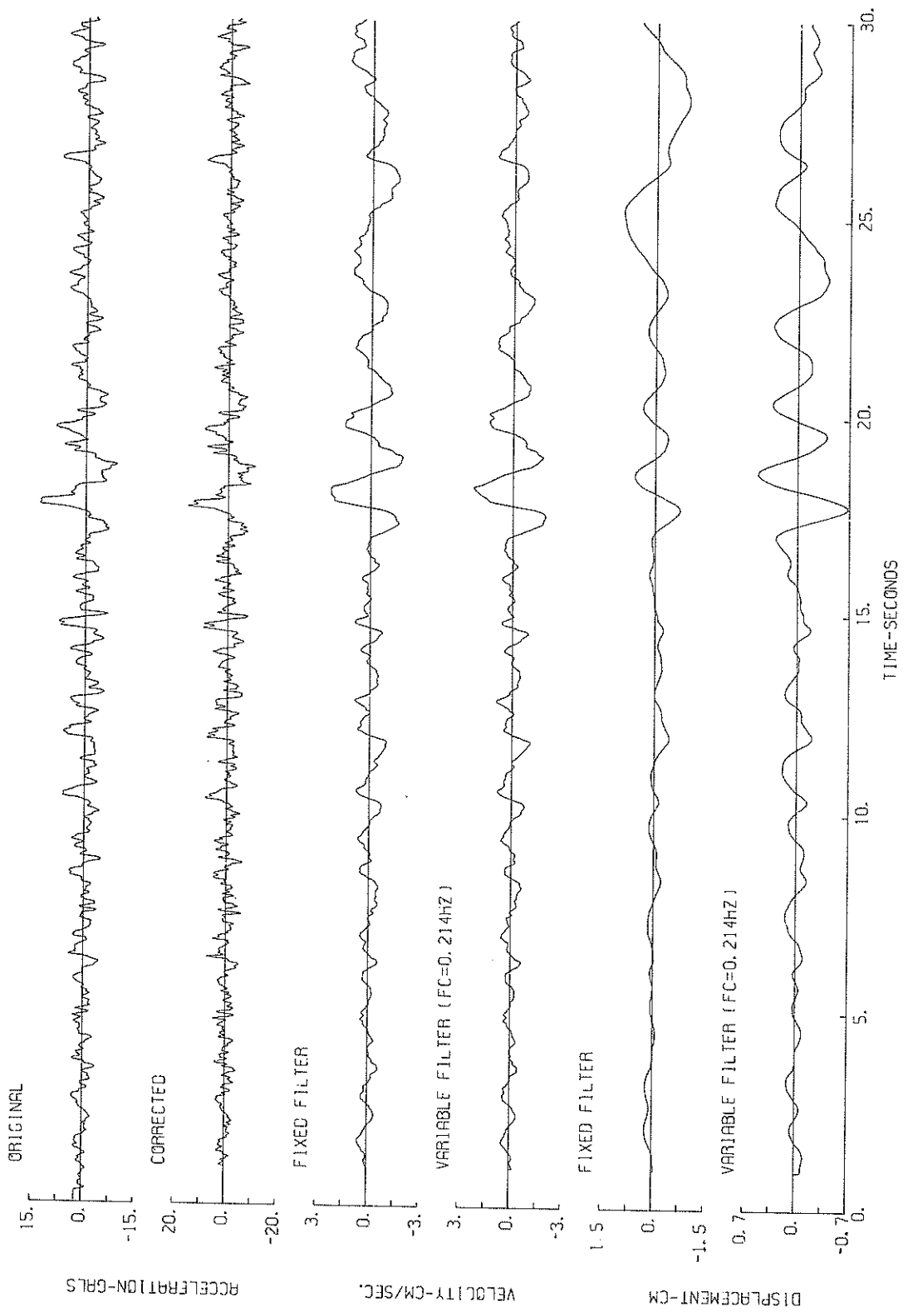
S-1200 E07N AKITA-S



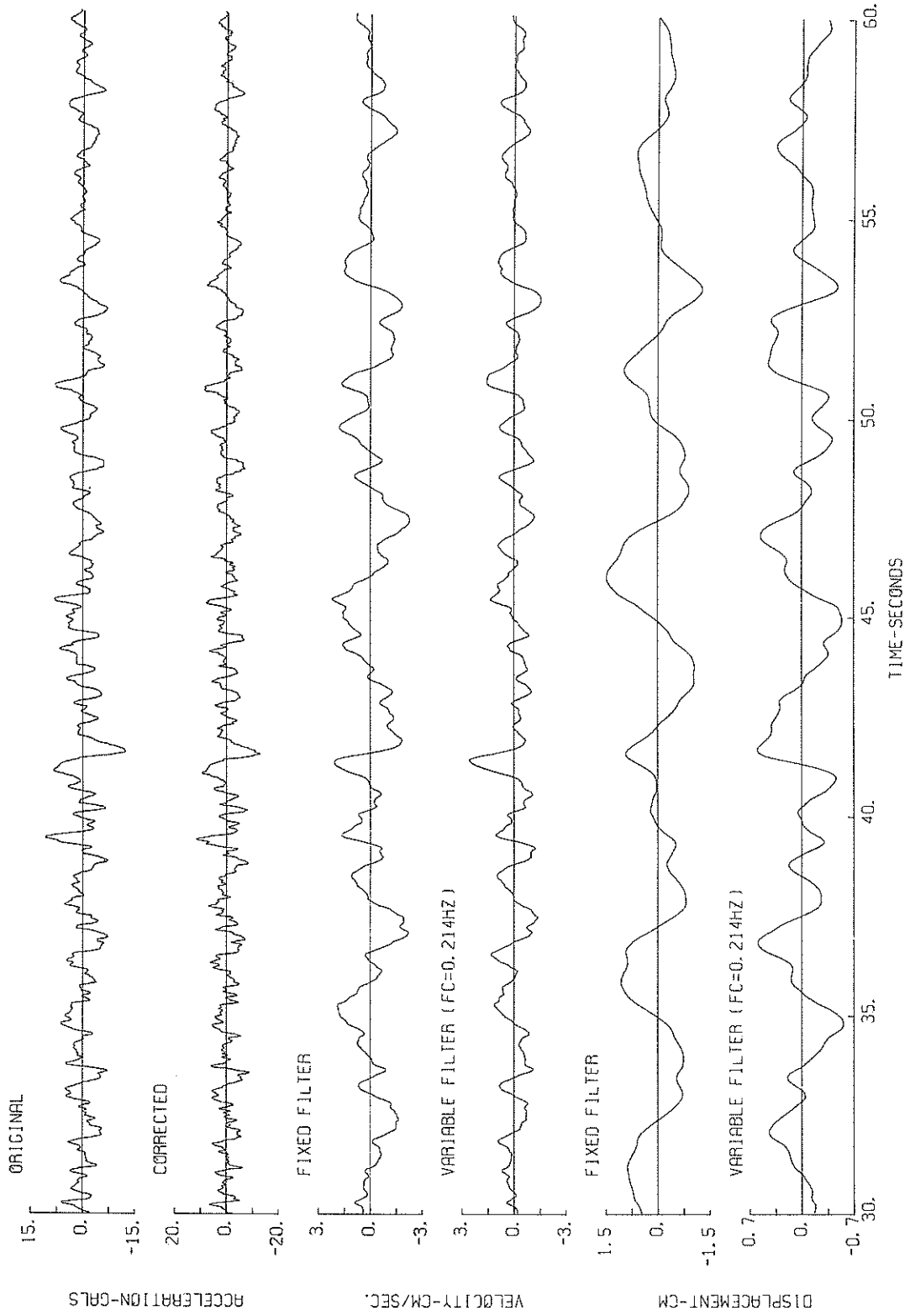
S-1200 E07N AKITA-S



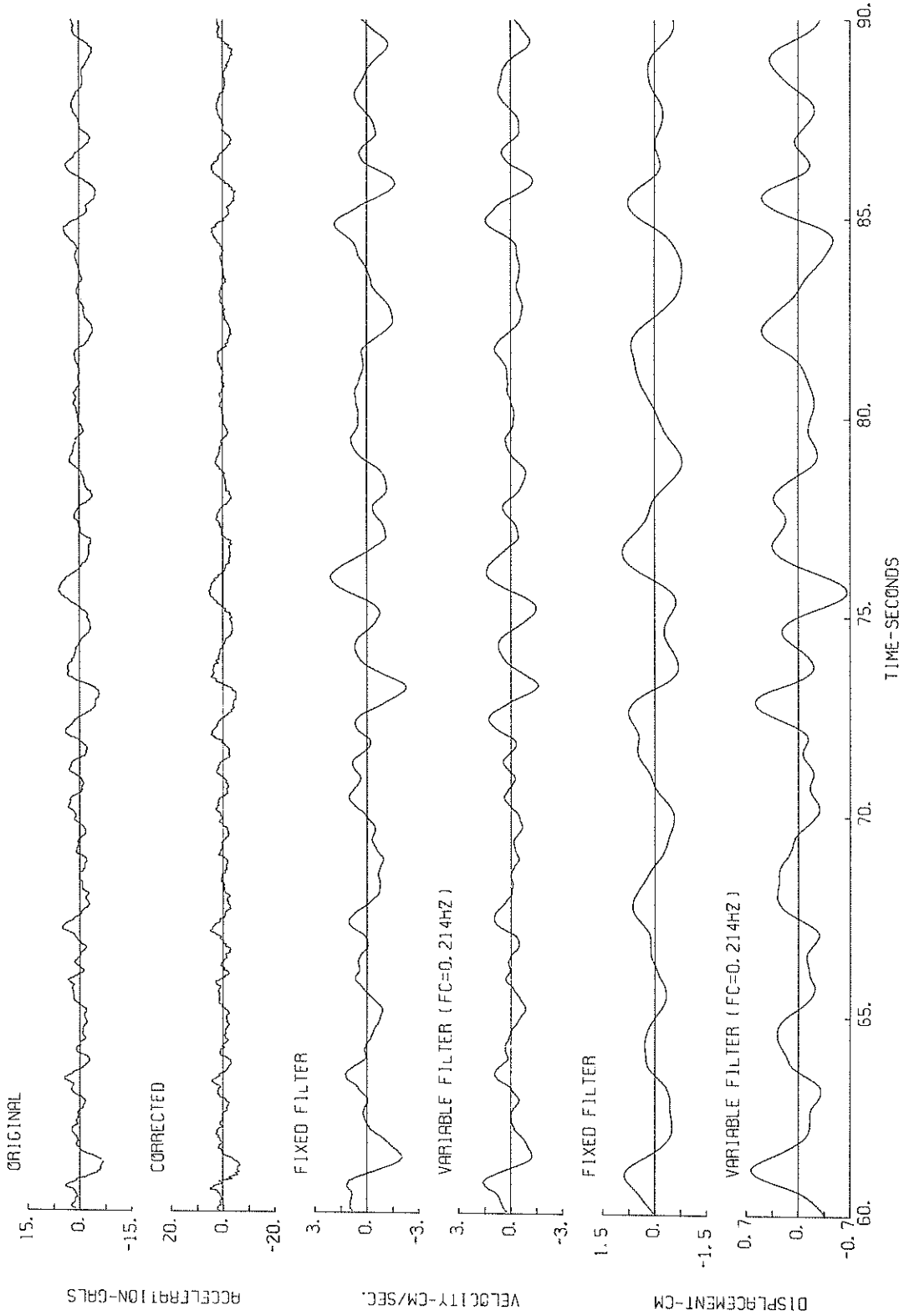
S-1200 DOWN AKITA-S



S-1200 DOWN AKITA-S

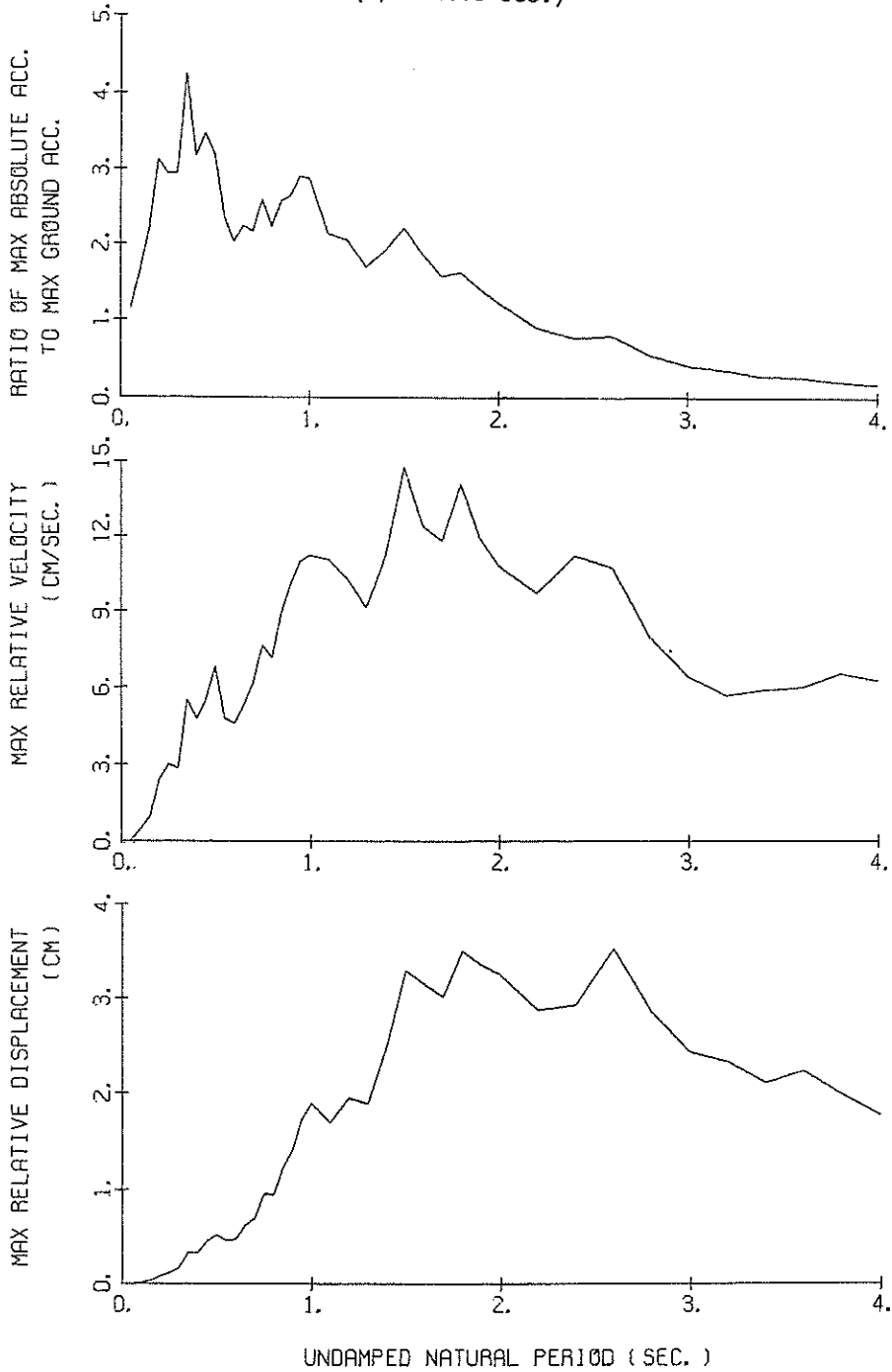


S-1200 DOWN AKITA-S



S-1200 E07N AKITA-S

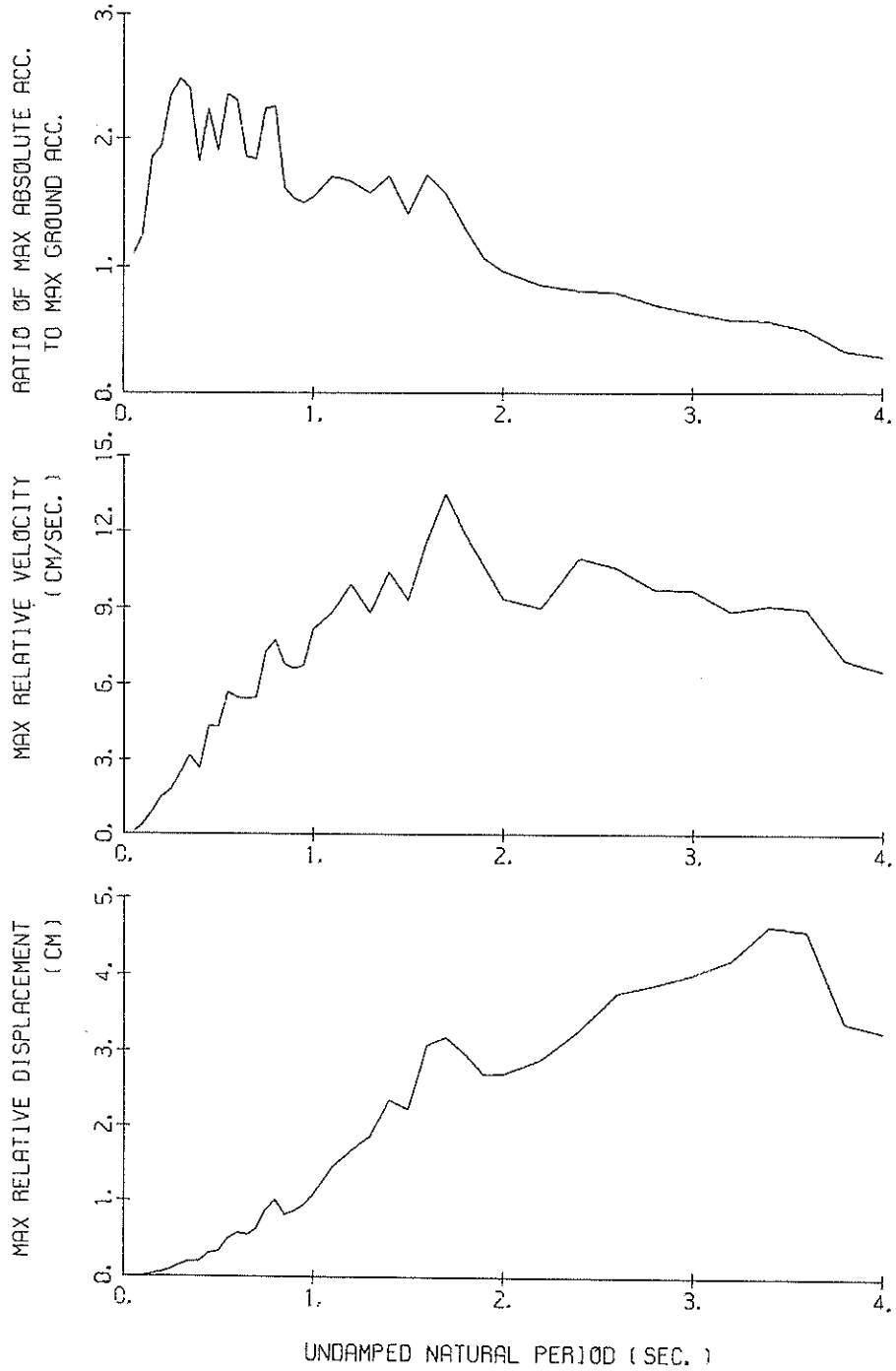
($1/FC=4.18$ sec.)



RESPONSE SPECTRA ($H=0.05$)

S-1200 N07W AKITA-S

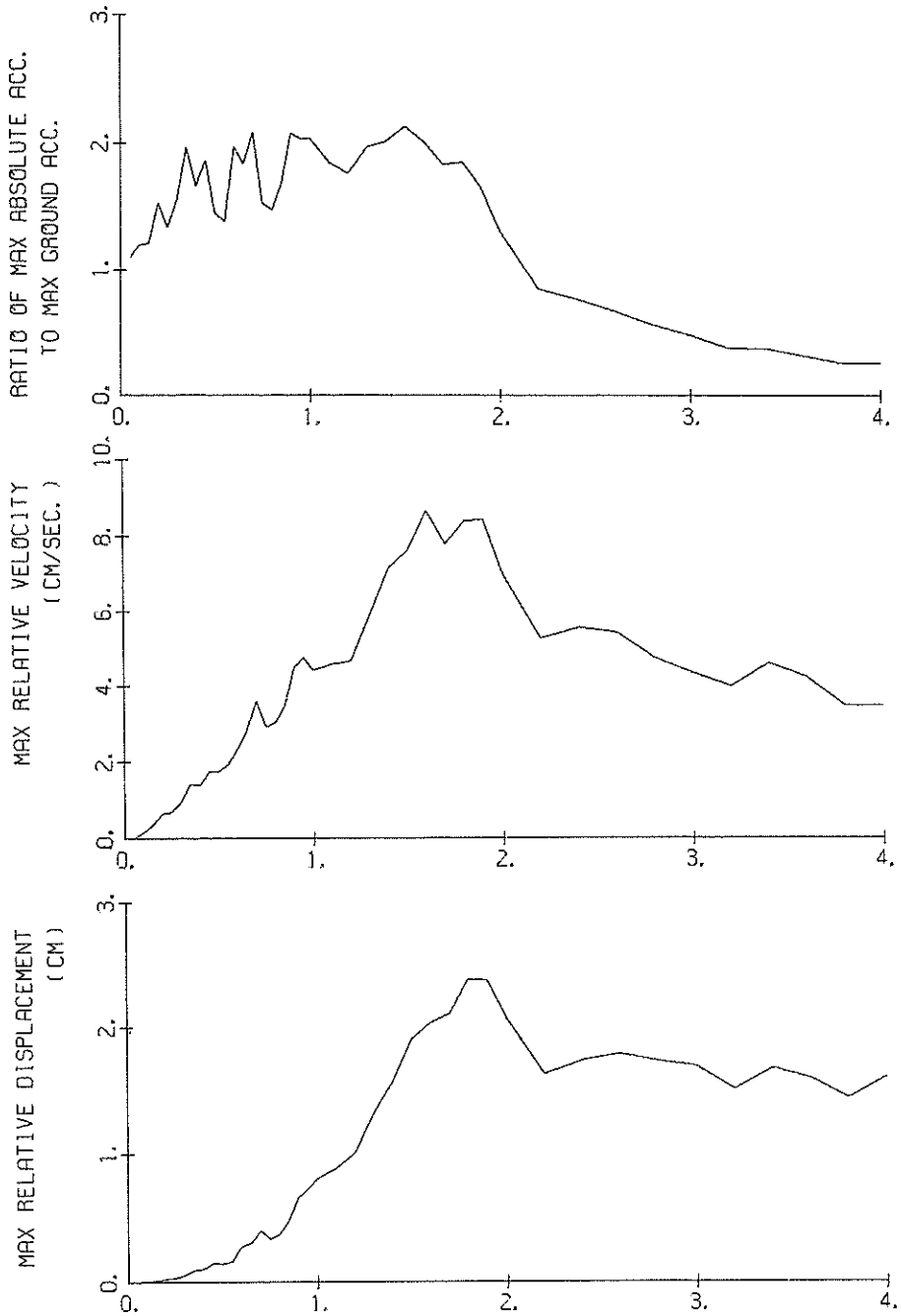
(1/FC=5.10 sec.)



RESPONSE SPECTRA (H=0.05)

S-1200 DOWN AKITA-S

($1/FC=4.67$ sec.)



UNDAMPED NATURAL PERIOD (SEC.)
RESPONSE SPECTRA ($H=0.05$)

RESPONSE SPECTRUM

RECORD = S-1200 COMPONENT = E07N SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = AKITA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 26.18 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (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	16.4	0.02	0.001	67.6	0.44	0.004	30.3	0.07	0.002	29.8	0.06	0.002	28.8	0.06	0.002	
0.10	17.7	0.08	0.004	146.0	2.25	0.037	50.7	0.66	0.013	42.2	0.50	0.011	38.8	0.36	0.010	
0.15	18.2	0.19	0.010	388.7	9.16	0.220	65.9	1.38	0.037	57.2	0.99	0.032	45.1	0.80	0.025	
0.20	17.9	0.27	0.018	767.4	24.33	0.777	133.1	4.01	0.136	81.8	2.40	0.083	51.4	1.51	0.051	
0.25	17.5	0.37	0.027	290.4	40.93	0.460	102.1	3.87	0.161	76.8	3.02	0.120	55.8	2.08	0.087	
0.30	18.0	0.48	0.039	174.5	8.29	0.398	77.7	3.18	0.177	76.8	2.83	0.174	64.4	2.39	0.145	
0.35	18.3	0.56	0.054	201.1	10.81	0.624	145.8	7.36	0.453	111.1	5.52	0.343	76.1	3.63	0.233	
0.40	18.5	0.70	0.072	144.8	8.45	0.587	140.6	6.47	0.448	82.9	4.78	0.334	67.2	3.21	0.269	
0.45	18.5	0.81	0.091	345.3	24.33	1.771	124.0	8.00	0.636	90.9	5.51	0.464	68.4	3.81	0.346	
0.50	18.2	0.97	0.109	396.7	31.56	2.512	120.1	9.07	0.758	83.4	6.80	0.526	80.1	4.61	0.374	
0.55	18.0	1.12	0.130	189.4	16.78	1.451	80.1	6.21	0.614	61.4	4.77	0.469	46.1	4.04	0.346	
0.60	18.7	1.23	0.159	170.2	15.80	1.552	69.7	6.68	0.635	52.9	4.57	0.481	41.4	3.30	0.371	
0.65	19.0	1.27	0.189	210.3	21.36	2.251	75.8	7.16	0.811	58.6	5.30	0.625	47.1	4.16	0.495	
0.70	18.9	1.35	0.217	125.1	14.12	1.553	66.3	6.61	0.823	56.7	6.17	0.701	46.1	5.00	0.562	
0.75	18.7	1.48	0.246	154.6	17.77	2.202	92.1	10.44	1.311	67.9	7.64	0.963	48.5	5.54	0.681	
0.80	18.6	1.63	0.276	101.1	12.86	1.639	68.0	8.87	1.101	58.6	7.16	0.946	47.9	6.10	0.763	
0.85	18.5	1.78	0.308	220.5	29.66	4.037	94.6	13.01	1.729	67.5	8.98	1.230	47.1	6.42	0.848	
0.90	18.2	1.93	0.339	225.4	32.08	4.625	98.7	14.01	2.024	69.1	10.13	1.412	52.4	7.32	1.061	
0.95	18.0	2.05	0.370	123.3	18.31	2.818	90.6	13.63	2.068	75.9	11.02	1.728	56.1	7.74	1.260	
1.00	18.1	2.15	0.411	110.1	17.35	2.788	90.7	13.43	2.293	75.1	11.25	1.892	54.3	8.10	1.342	
1.10	17.7	2.30	0.485	99.7	17.29	3.056	62.7	12.65	1.918	55.6	11.06	1.694	42.5	8.30	1.272	
1.20	16.7	2.55	0.552	100.7	18.72	3.672	68.9	13.13	2.510	53.8	10.29	1.949	37.9	7.22	1.350	
1.30	16.0	2.83	0.628	82.3	16.43	3.524	55.5	11.21	2.372	44.3	9.15	1.886	33.7	7.11	1.399	
1.40	16.1	3.15	0.724	102.2	21.77	5.074	65.4	14.81	3.241	50.3	11.21	2.484	34.9	7.94	1.703	
1.50	15.7	3.40	0.803	146.8	35.28	8.368	85.6	21.37	4.873	58.0	14.80	3.288	38.1	9.43	2.116	
1.60	14.9	3.48	0.870	142.9	36.08	9.285	61.7	15.83	3.998	48.7	12.44	3.141	35.6	9.08	2.247	
1.70	14.1	3.42	0.923	122.6	33.87	8.975	55.3	16.30	4.046	41.3	11.82	3.008	30.1	9.65	2.147	
1.80	13.3	3.40	0.957	168.8	49.02	13.853	61.3	19.38	5.035	42.8	14.15	3.490	28.3	9.83	2.280	
1.90	12.4	3.54	0.976	73.1	22.44	6.881	43.8	14.12	4.003	36.8	11.96	3.349	27.0	8.62	2.427	
2.00	11.4	3.60	0.983	57.9	19.02	5.867	37.8	12.87	3.828	32.2	10.85	3.237	24.9	8.13	2.458	
2.20	8.5	3.59	0.974	34.0	13.95	4.174	27.1	11.16	3.318	23.6	9.76	2.868	19.5	8.15	2.317	
2.40	8.1	3.50	0.956	38.2	16.06	5.571	24.1	12.45	3.506	20.1	11.25	2.918	15.7	9.25	2.248	
2.60	7.3	3.38	0.983	54.2	23.50	9.282	28.2	13.50	4.822	20.7	10.77	3.518	15.0	8.72	2.481	
2.80	6.5	3.21	0.989	27.5	13.37	5.454	16.8	9.75	3.340	14.4	7.98	2.843	11.6	6.60	2.232	
3.00	5.7	3.01	0.974	19.2	11.00	4.377	12.5	7.68	2.844	10.8	6.42	2.428	9.5	5.52	2.098	
3.20	5.0	2.97	0.948	10.9	8.08	2.815	9.4	6.42	2.421	9.1	5.70	2.325	7.9	5.30	1.969	
3.40	4.4	2.92	0.918	14.9	10.35	4.351	9.6	7.30	2.807	7.3	5.90	2.106	6.1	4.94	1.689	
3.60	3.9	2.87	0.886	12.4	8.70	4.072	8.2	6.51	2.672	6.9	5.99	2.233	5.5	5.34	1.689	
3.80	3.5	2.85	0.890	8.9	8.46	3.245	6.4	7.30	2.337	5.5	6.56	1.986	4.5	5.66	1.571	
4.00	3.1	2.82	0.940	5.6	7.08	2.272	4.8	6.66	1.928	4.5	6.27	1.770	4.0	5.64	1.522	

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

RESPONSE SPECTRUM

RECORD = S-1200
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 50.00 (SEC)
 COMPONENT = N07W
 SAMPLING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 30.00 (SEC)
 SIGNAL = GR. ACC.
 CORRECTION = ARC.ERR.
 STATION = AKITA-S
 MAX.GROUND ACC. = 27.90 (GAL)

PER	DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250					
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD			
0.05	25.4	0.04	0.002	41.8	0.15	0.003	30.9	0.06	0.002	30.5	0.05	0.007	29.9	0.05	0.002
0.10	30.4	0.18	0.007	148.5	2.32	0.038	40.9	0.53	0.010	34.8	0.39	0.009	33.1	0.27	0.008
0.15	31.8	0.36	0.017	102.3	2.18	0.058	55.4	1.15	0.031	51.8	0.92	0.029	41.5	0.71	0.023
0.20	32.0	0.54	0.031	202.2	6.24	0.205	65.3	1.91	0.066	54.2	1.52	0.055	42.1	1.07	0.042
0.30	32.2	0.78	0.048	280.1	11.10	0.443	78.0	2.29	0.124	65.3	1.81	0.103	50.8	1.37	0.080
0.30	30.0	0.78	0.064	255.4	11.91	0.582	91.0	3.48	0.208	69.2	2.46	0.157	55.7	1.72	0.125
0.35	29.6	0.92	0.087	122.4	6.64	0.380	83.5	4.13	0.259	66.9	3.16	0.207	53.2	2.24	0.163
0.40	30.2	1.16	0.116	185.0	11.43	0.750	62.0	3.31	0.251	50.8	2.66	0.205	45.4	2.19	0.162
0.45	32.4	1.41	0.155	195.9	13.62	1.005	84.2	5.80	0.431	62.4	4.34	0.319	45.6	3.17	0.231
0.50	33.2	1.70	0.194	130.2	10.29	0.824	67.7	5.33	0.429	53.2	4.32	0.335	44.3	3.43	0.276
0.55	32.0	1.89	0.224	235.3	20.10	1.803	92.0	8.08	0.704	65.7	5.70	0.501	45.1	3.75	0.340
0.60	30.1	1.97	0.257	225.5	20.87	2.056	90.4	8.01	0.823	64.2	5.46	0.583	44.6	3.84	0.400
0.65	31.9	2.18	0.316	106.9	11.00	1.144	63.5	6.48	0.679	51.7	5.41	0.551	40.5	4.11	0.427
0.70	33.9	2.66	0.384	105.4	10.76	1.308	58.2	6.43	0.722	51.2	5.48	0.632	39.2	4.42	0.475
0.80	35.8	3.22	0.455	287.4	33.84	4.095	87.2	10.43	1.242	62.4	7.29	0.885	44.0	4.83	0.615
0.85	35.0	4.10	0.581	147.4	20.07	2.698	57.3	8.33	1.047	44.9	6.76	0.817	37.7	5.52	0.680
0.90	33.6	4.35	0.633	129.5	18.06	2.658	50.5	7.60	1.034	42.5	6.62	0.868	38.1	5.64	0.769
0.95	32.3	4.54	0.670	131.8	19.46	3.014	45.5	7.27	1.039	41.7	6.76	0.949	38.3	6.03	0.859
1.00	30.6	4.62	0.689	101.7	15.73	2.575	54.7	10.01	1.382	42.9	8.17	1.082	38.3	6.52	0.950
1.10	26.1	4.43	0.755	134.9	23.14	4.136	55.2	10.93	1.690	47.5	8.82	1.446	37.5	6.52	1.120
1.20	26.8	4.36	0.914	115.1	21.99	4.199	64.2	13.57	2.338	46.3	9.92	1.678	32.5	6.65	1.164
1.30	28.0	4.51	1.112	82.0	16.73	3.511	52.7	11.23	2.253	43.7	8.81	1.845	31.8	6.43	1.339
1.40	29.6	4.99	1.355	196.2	43.32	9.739	64.1	14.38	3.180	47.6	10.41	2.351	31.1	6.79	1.517
1.50	31.1	5.65	1.620	117.8	28.47	6.715	55.1	13.26	3.137	39.3	9.30	2.226	31.5	6.84	1.753
1.60	31.9	6.22	1.877	97.7	25.07	6.335	61.8	14.72	4.004	47.8	11.60	3.083	32.2	8.07	2.047
1.70	31.9	6.89	2.099	152.0	41.21	11.127	57.5	17.11	4.201	43.7	13.49	3.182	29.7	9.24	2.135
1.80	31.1	7.58	2.261	81.4	22.41	6.683	45.0	13.76	3.688	36.3	11.91	2.964	25.5	9.30	2.051
1.90	29.3	8.01	2.349	83.0	25.27	7.588	41.7	12.95	3.813	39.7	10.63	2.690	24.1	8.86	2.141
2.00	26.9	8.19	2.363	66.3	21.55	6.721	35.3	11.19	3.569	26.9	9.34	2.696	22.7	8.00	2.218
2.20	21.6	7.88	2.246	64.0	22.93	7.843	27.0	9.83	3.304	23.8	8.97	2.868	19.1	7.48	2.237
2.40	18.8	7.25	2.336	29.5	14.45	4.310	25.7	12.48	3.739	22.6	10.92	3.278	17.9	8.60	2.573
2.60	16.5	7.31	2.385	73.0	30.56	12.499	27.3	12.60	4.662	22.1	10.54	3.771	17.1	8.31	2.667
2.80	14.2	7.37	2.351	72.6	33.14	14.427	27.9	12.62	5.542	19.6	9.70	3.873	16.2	7.57	3.153
3.00	12.3	7.32	2.390	32.3	16.36	7.357	20.0	11.20	4.552	17.7	9.68	4.009	14.8	7.76	3.269
3.20	11.4	7.24	2.528	48.7	24.61	12.622	22.8	11.47	5.904	16.2	8.85	4.189	12.7	7.66	3.193
3.40	10.8	7.18	2.694	20.3	12.74	5.940	19.4	11.15	6.670	15.9	9.09	4.637	11.5	7.35	3.260
3.60	10.4	7.23	2.876	35.6	21.10	11.673	19.5	12.21	6.398	14.0	8.93	4.568	9.9	6.94	3.139
3.80	10.0	7.23	3.053	14.5	9.55	5.292	10.7	7.96	3.888	9.3	6.94	3.379	8.4	6.40	2.957
4.00	9.6	7.03	3.211	9.8	8.27	3.966	8.6	7.20	3.461	8.2	6.53	3.259	7.5	5.82	2.907

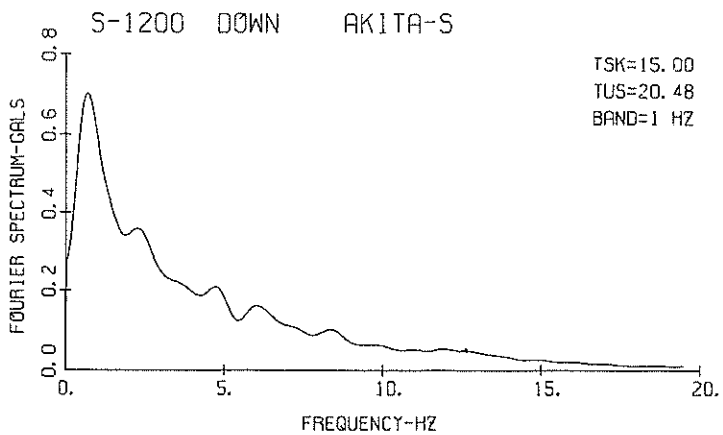
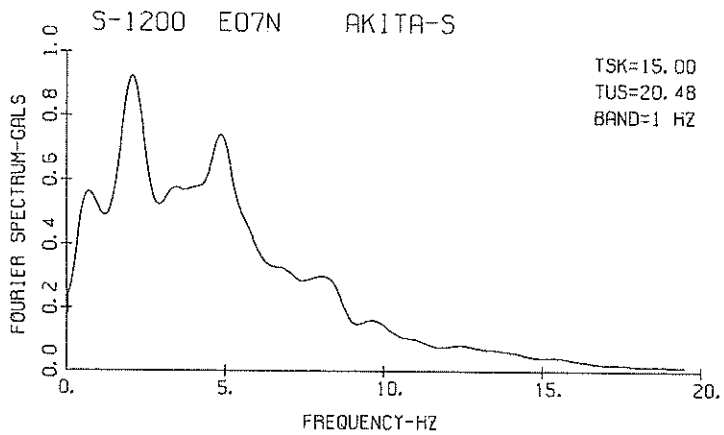
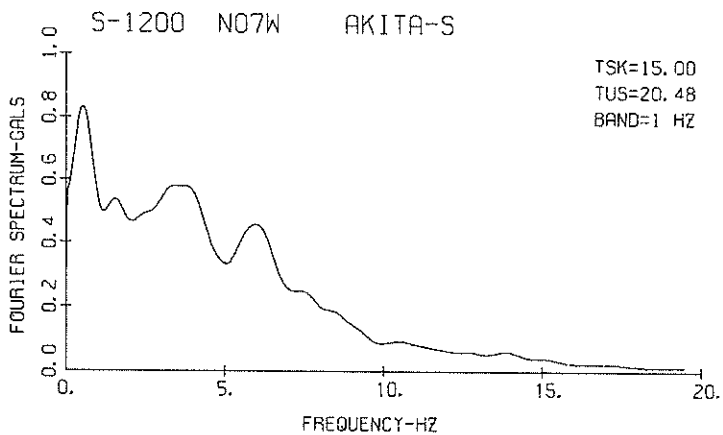
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1200 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = AKITA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 15.71 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (SEC)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO	AA	RV	RO		
0.05	29.4	0.04	0.002	27.1	0.17	0.002	17.8	0.03	0.001	17.2	0.03	0.001	16.8	0.02	0.001	16.8	0.02	0.001		
0.10	32.6	0.19	0.008	66.2	1.01	0.017	21.8	0.106	0.006	18.9	0.36	0.005	18.2	0.12	0.005	18.2	0.12	0.005		
0.15	30.8	0.45	0.017	55.7	1.27	0.032	24.1	0.43	0.014	19.0	0.36	0.011	18.9	0.29	0.011	18.9	0.29	0.011		
0.20	31.6	0.64	0.030	110.1	3.16	0.112	31.6	0.87	0.032	24.1	0.65	0.024	20.1	0.45	0.020	20.1	0.45	0.020		
0.25	38.0	0.85	0.057	116.9	4.48	0.185	29.2	1.01	0.046	20.9	0.70	0.033	17.4	0.47	0.027	17.4	0.47	0.027		
0.30	41.2	1.19	0.089	98.0	4.63	0.223	28.1	1.10	0.064	24.6	0.94	0.056	20.0	0.75	0.045	20.0	0.75	0.045		
0.35	40.9	1.50	0.120	100.3	5.28	0.311	40.2	1.99	0.125	31.0	1.42	0.096	22.9	1.01	0.070	22.9	1.01	0.070		
0.40	39.7	1.74	0.151	81.0	4.86	0.338	32.8	1.91	0.133	26.1	1.39	0.106	21.7	1.09	0.087	21.7	1.09	0.087		
0.45	38.8	1.99	0.185	81.7	5.79	0.419	38.4	2.41	0.196	29.3	1.75	0.150	23.2	1.25	0.118	23.2	1.25	0.118		
0.50	37.5	2.17	0.218	135.3	10.67	0.857	27.6	2.08	0.174	22.8	1.75	0.144	21.1	1.38	0.132	21.1	1.38	0.132		
0.55	36.0	2.29	0.251	98.4	8.55	0.754	26.4	2.24	0.202	21.7	1.93	0.166	19.2	1.60	0.146	19.2	1.60	0.146		
0.60	34.6	2.60	0.286	58.9	5.29	0.537	37.2	3.00	0.339	31.0	2.35	0.282	24.4	1.82	0.219	24.4	1.82	0.219		
0.65	33.5	2.92	0.325	131.0	13.43	1.402	37.6	4.03	0.403	28.9	2.85	0.308	25.2	2.10	0.266	25.2	2.10	0.266		
0.70	32.7	3.24	0.369	164.5	18.14	2.042	49.4	5.52	0.612	37.7	3.61	0.404	23.6	2.12	0.289	23.6	2.12	0.289		
0.75	32.1	3.53	0.417	76.9	9.07	1.095	36.9	4.45	0.525	24.0	2.92	0.340	20.4	2.07	0.287	20.4	2.07	0.287		
0.80	31.4	3.79	0.468	99.6	12.74	1.615	33.3	4.46	0.539	23.3	3.03	0.376	21.6	2.35	0.344	21.6	2.35	0.344		
0.85	30.9	4.00	0.523	70.8	9.14	1.296	29.6	3.65	0.469	26.7	3.49	0.486	24.0	2.86	0.431	24.0	2.86	0.431		
0.90	30.5	4.15	0.577	57.3	7.99	1.176	39.5	5.73	0.810	32.6	4.50	0.666	25.5	3.30	0.514	25.5	3.30	0.514		
0.95	30.1	4.24	0.630	70.4	10.50	1.610	38.8	5.87	0.887	32.0	4.77	0.728	24.9	3.46	0.558	24.9	3.46	0.558		
1.00	29.7	4.26	0.678	73.5	11.45	1.862	38.8	5.48	0.981	32.1	4.42	0.808	24.7	3.31	0.615	24.7	3.31	0.615		
1.10	28.3	4.22	0.760	82.2	14.15	2.521	33.8	5.86	1.036	29.2	4.59	0.891	23.1	3.69	0.698	23.1	3.69	0.698		
1.20	26.2	4.45	0.825	69.2	12.82	2.523	34.5	6.22	1.255	27.8	4.67	1.009	23.3	3.98	0.841	23.3	3.98	0.841		
1.30	24.0	4.60	0.882	54.8	11.80	2.345	38.0	7.41	1.623	31.1	5.91	1.323	24.4	4.42	1.029	24.4	4.42	1.029		
1.40	22.1	4.76	0.941	79.0	17.85	3.922	48.7	10.91	2.414	31.7	7.17	1.568	25.2	5.41	1.228	25.2	5.41	1.228		
1.50	20.6	5.00	1.002	91.5	22.15	5.218	43.6	10.23	2.481	33.5	7.63	1.903	24.1	5.63	1.348	24.1	5.63	1.348		
1.60	19.2	5.25	1.042	62.0	15.63	4.019	41.1	10.80	2.661	31.6	8.67	2.040	23.0	6.05	1.468	23.0	6.05	1.468		
1.70	17.4	5.44	1.048	78.2	21.17	5.722	33.9	9.03	2.479	28.9	7.82	2.103	22.0	5.78	1.581	22.0	5.78	1.581		
1.80	15.7	5.63	1.137	84.3	24.39	6.915	38.9	11.13	3.192	29.2	8.42	2.385	20.7	6.15	1.664	20.7	6.15	1.664		
1.90	15.7	5.60	1.221	60.5	18.22	5.529	36.0	10.91	3.289	26.1	8.43	2.373	18.8	6.11	1.693	18.8	6.11	1.693		
2.00	15.2	5.37	1.305	34.1	10.98	3.458	25.2	8.32	2.546	20.6	7.01	2.076	16.5	5.61	1.624	16.5	5.61	1.624		
2.20	13.7	4.60	1.480	30.4	10.98	3.724	16.0	5.99	1.964	13.3	5.27	1.623	12.0	4.93	1.432	12.0	4.93	1.432		
2.40	12.4	4.93	1.654	30.4	12.25	4.435	14.2	6.31	2.070	12.0	5.57	1.737	9.8	4.65	1.404	9.8	4.65	1.404		
2.60	12.4	5.21	1.827	15.3	7.09	2.626	12.3	6.12	2.098	10.5	5.44	1.787	8.3	4.56	1.395	8.3	4.56	1.395		
2.80	11.2	5.31	1.936	22.4	10.40	4.443	12.3	6.04	2.436	8.8	4.75	1.730	7.1	4.20	1.373	7.1	4.20	1.373		
3.00	10.3	5.23	2.000	17.9	8.51	4.071	10.2	5.29	2.325	7.5	4.35	1.691	6.3	3.71	1.343	6.3	3.71	1.343		
3.20	9.2	5.34	1.990	11.0	6.01	2.851	7.5	4.45	1.942	5.9	3.99	1.506	5.0	3.66	1.224	5.0	3.66	1.224		
3.40	8.2	5.36	2.006	13.5	6.97	3.950	8.2	5.42	2.369	5.8	4.62	1.676	4.1	3.78	1.157	4.1	3.78	1.157		
3.60	7.6	5.25	2.084	8.2	5.56	2.705	6.2	4.68	2.016	4.9	4.23	1.597	3.6	3.58	1.143	3.6	3.58	1.143		
3.80	7.1	5.06	2.133	5.7	3.72	2.082	4.7	3.59	1.712	4.0	3.48	1.437	3.5	3.29	1.232	3.5	3.29	1.232		
4.00	6.5	4.83	2.153	4.9	3.80	1.997	4.4	3.62	1.788	4.0	3.48	1.603	3.3	3.25	1.290	3.3	3.25	1.290		

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



FOURIER SPECTRA

RECORD NUMBER

S-1203

STATION

NIIGATA-JI-S

EARTHQUAKE DATA

```
*****
*
*   DATE AND TIME           17:14 JUNE 12,1978   *
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.      *
*   LATITUDE                38.15 N              *
*   LONGITUDE               142.17 E             *
*   DEPTH                   40KM                 *
*
*   MAGNITUDE              7.4                   *
*
*****
```

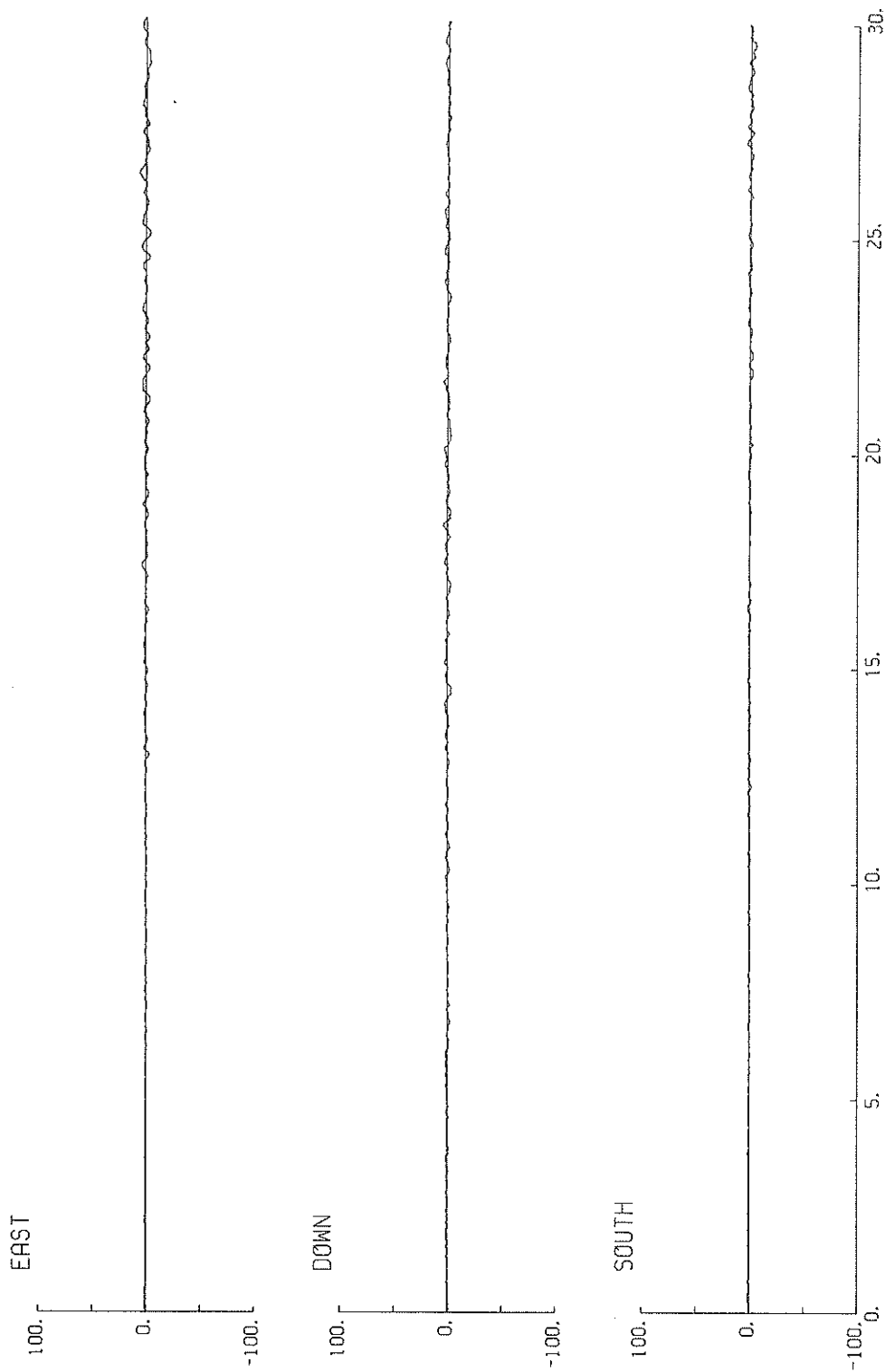
	EAST	COMPONENT SOUTH	DOWN
PARAMETER OF THE VARIABLE FILTER	-----	-----	-----
FC (HZ)	0.152	0.164	0.353
MAXIMUM ACCELERATION (GAL.)			

ORIGINAL	15.6	24.3	4.5
SMAC-B2 EQUIVALENT			
CORRECTED	16.4	24.1	5.2
MAXIMUM VELOCITY (CM/SEC.)			

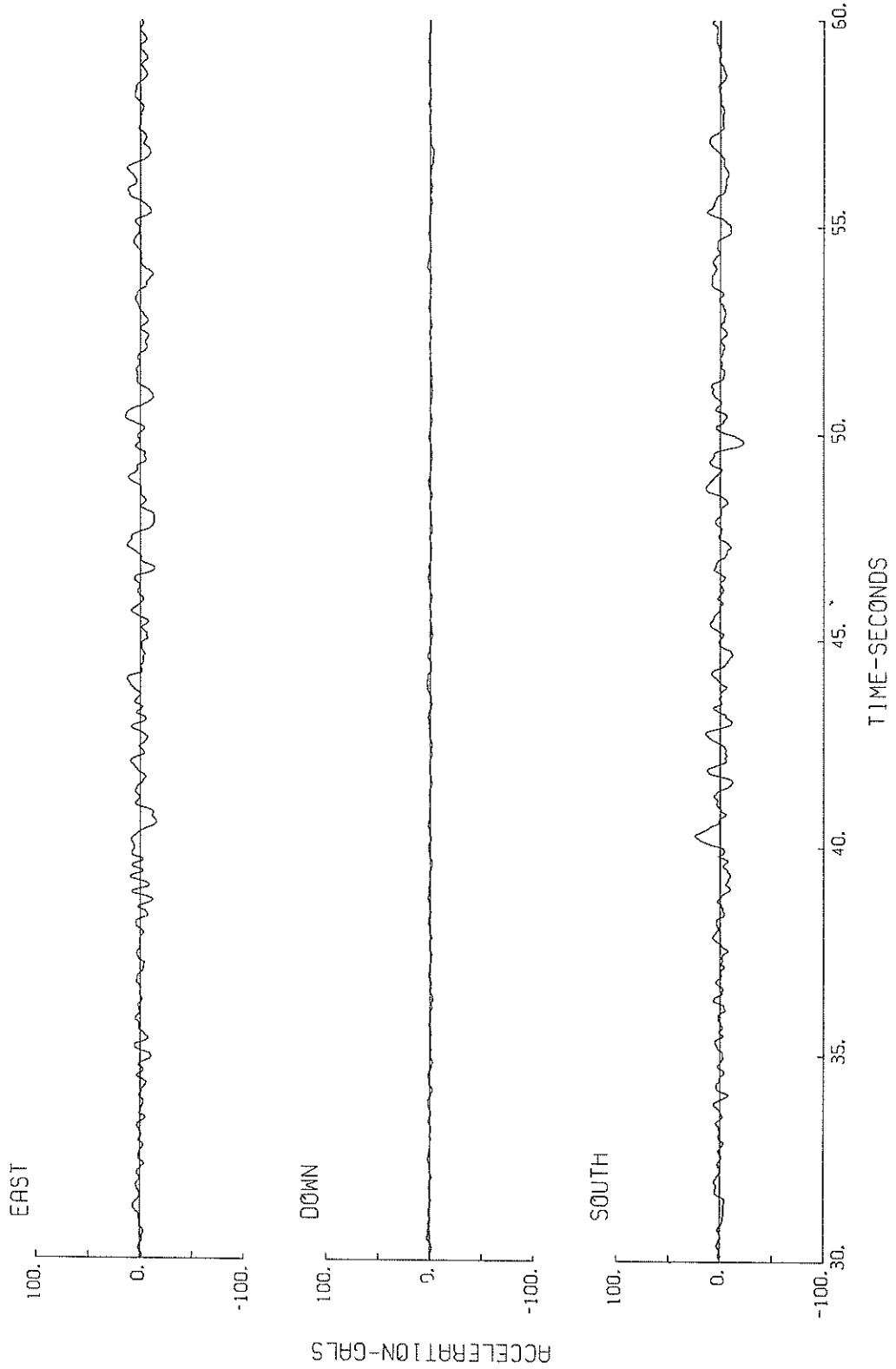
FIXED FILTER	4.44	5.75	1.75
VARIABLE FILTER	4.29	5.15	0.67
MAXIMUM DISPLACEMENT (CM)			

FIXED FILTER	2.46	2.70	0.85
VARIABLE FILTER	1.82	2.22	0.26

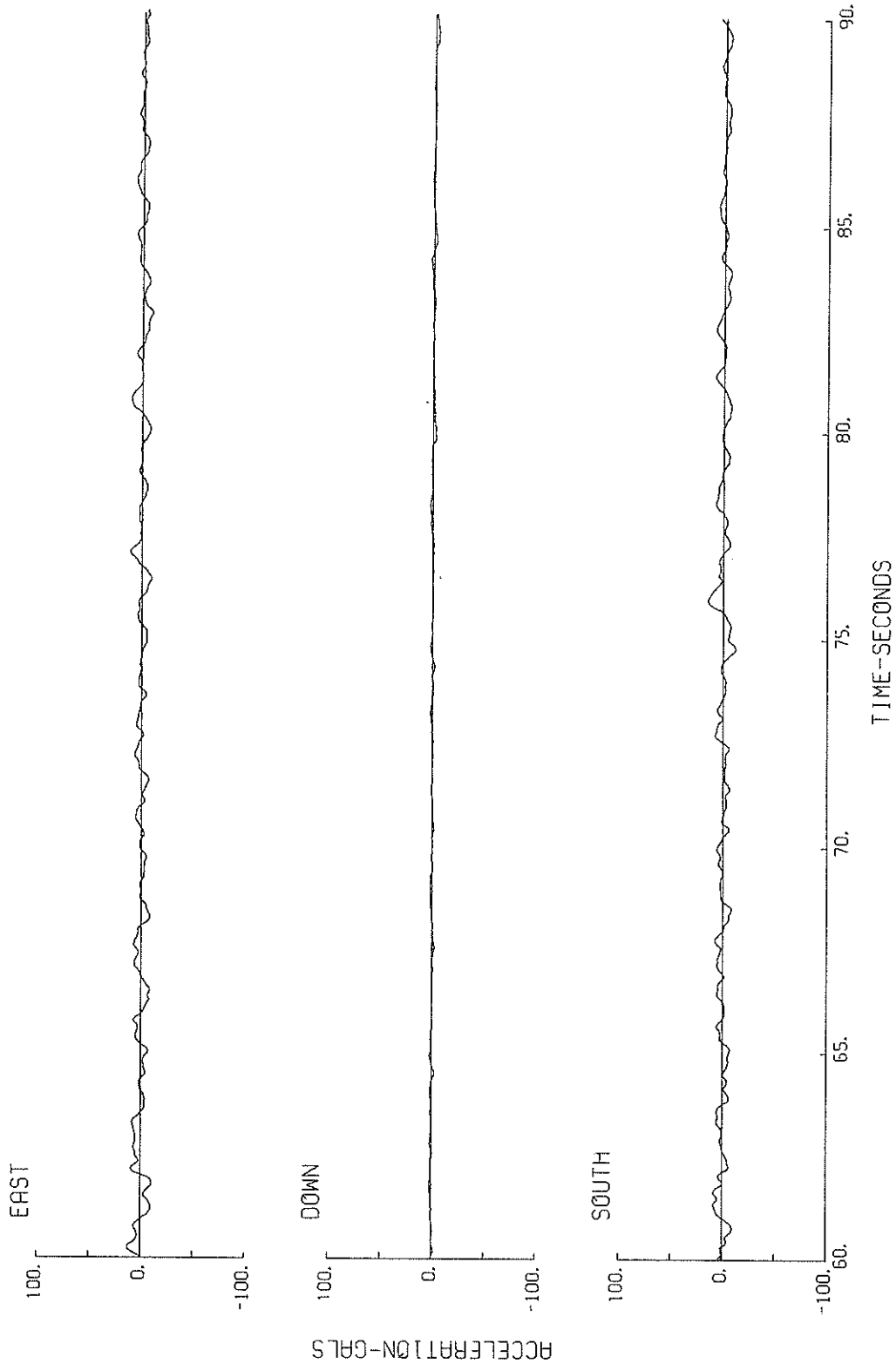
S-1203 NIIGATA-JI-S



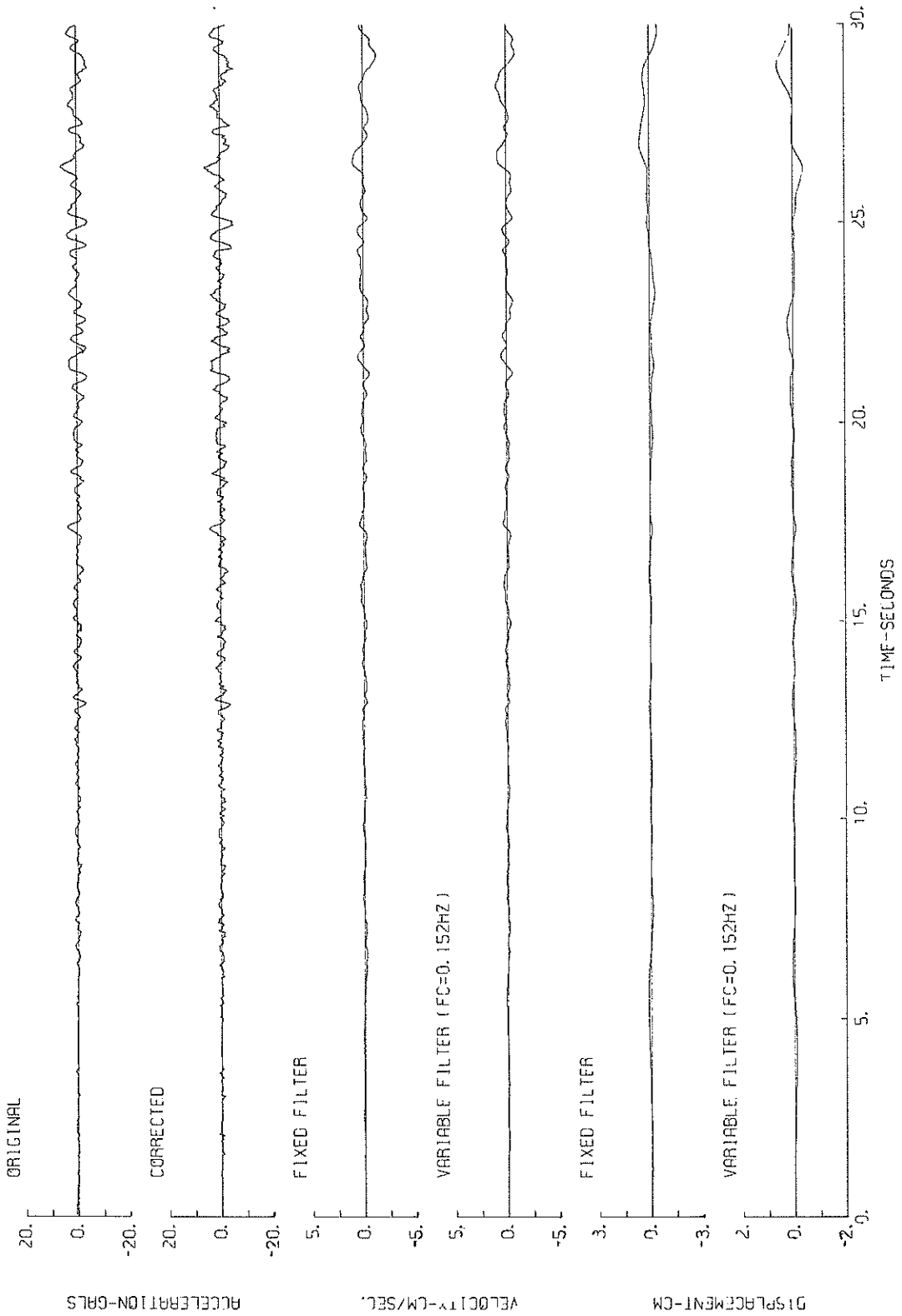
S-1203 NIIGATA-J1-S



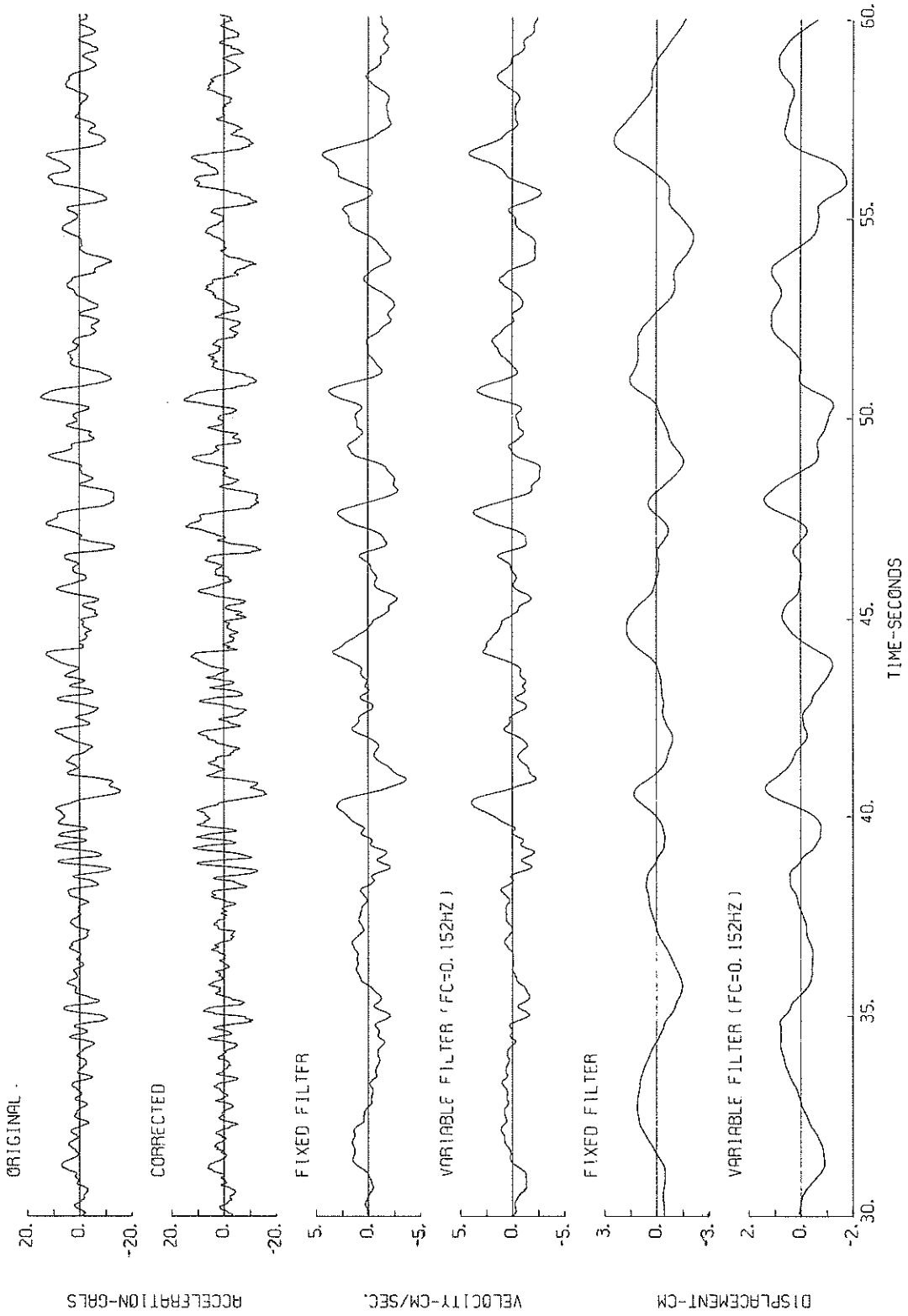
S-1203 NIIGATA-JI-S



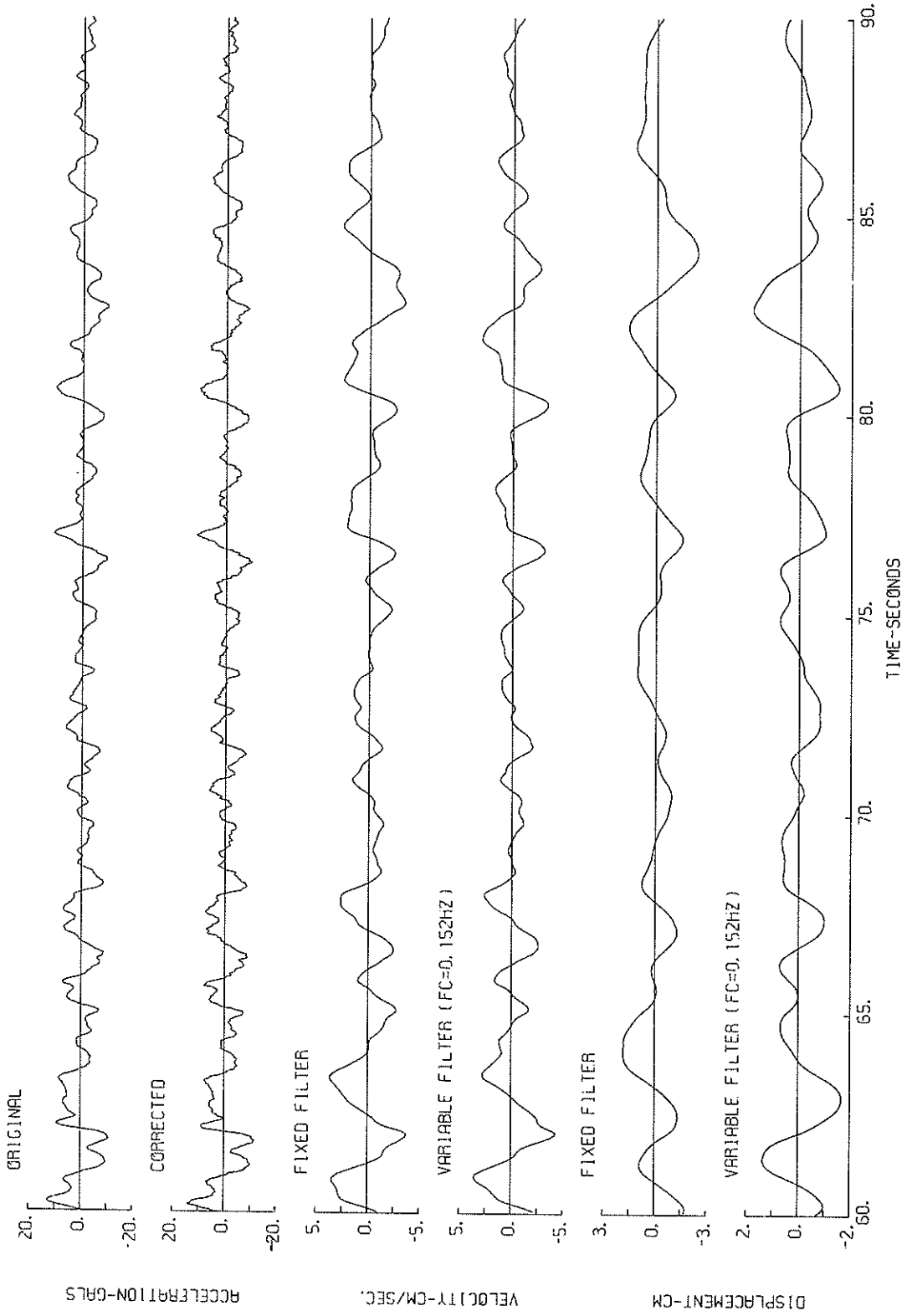
S-1203 EAST NIIGATA-JI-S



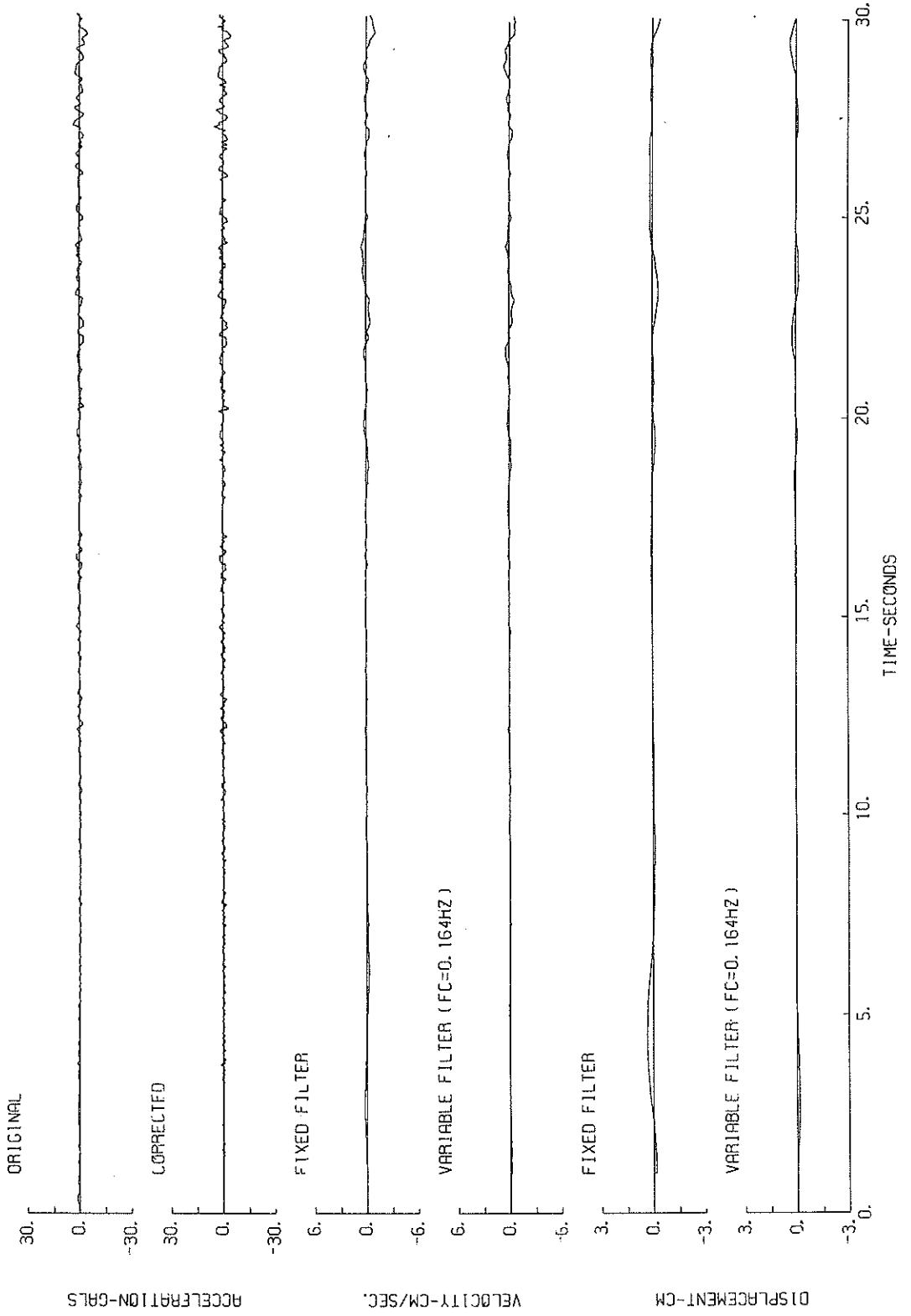
S-1203 EAST NIIGATA-JI-S



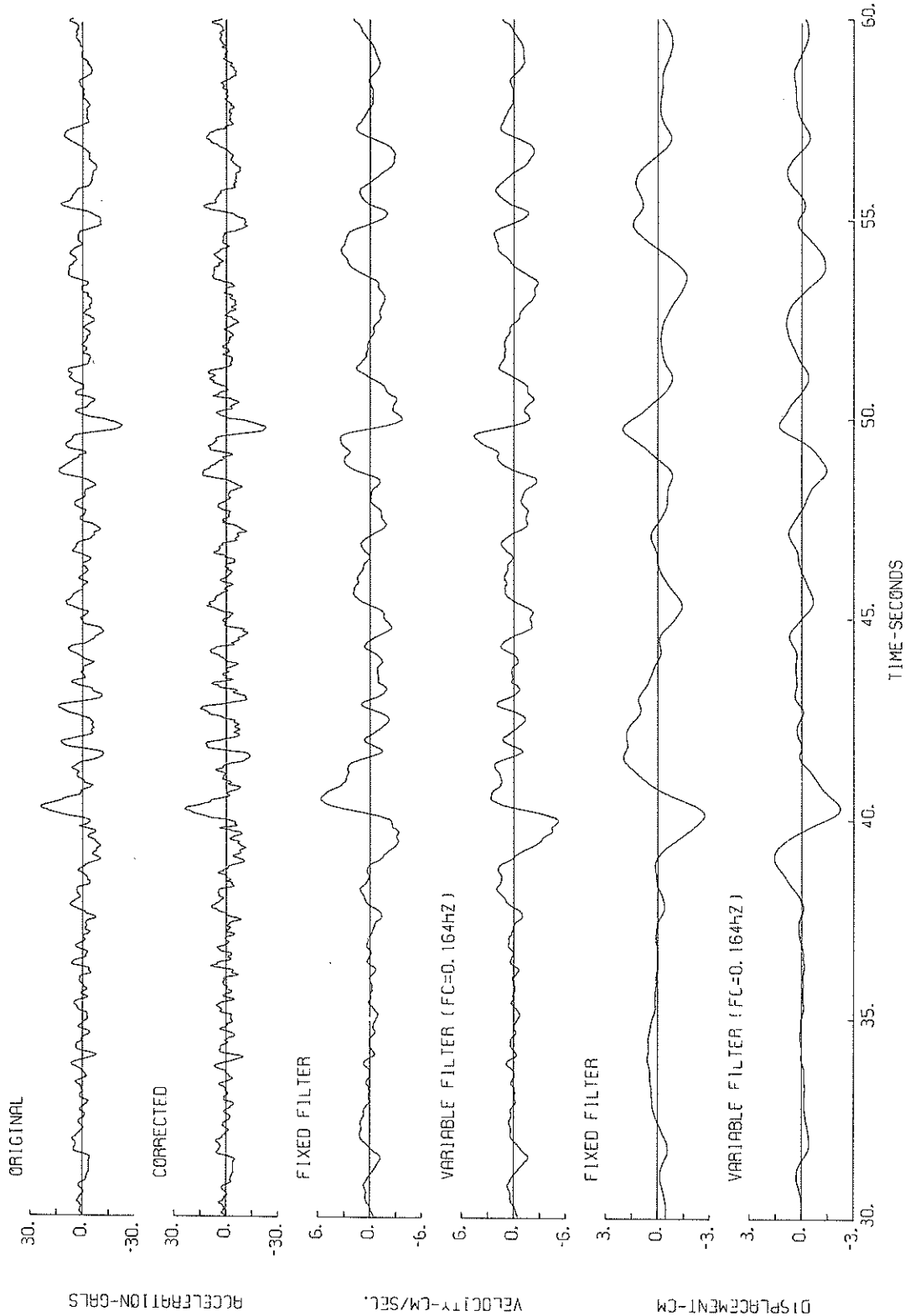
S-1203 EAST NIIGATA-J1-S



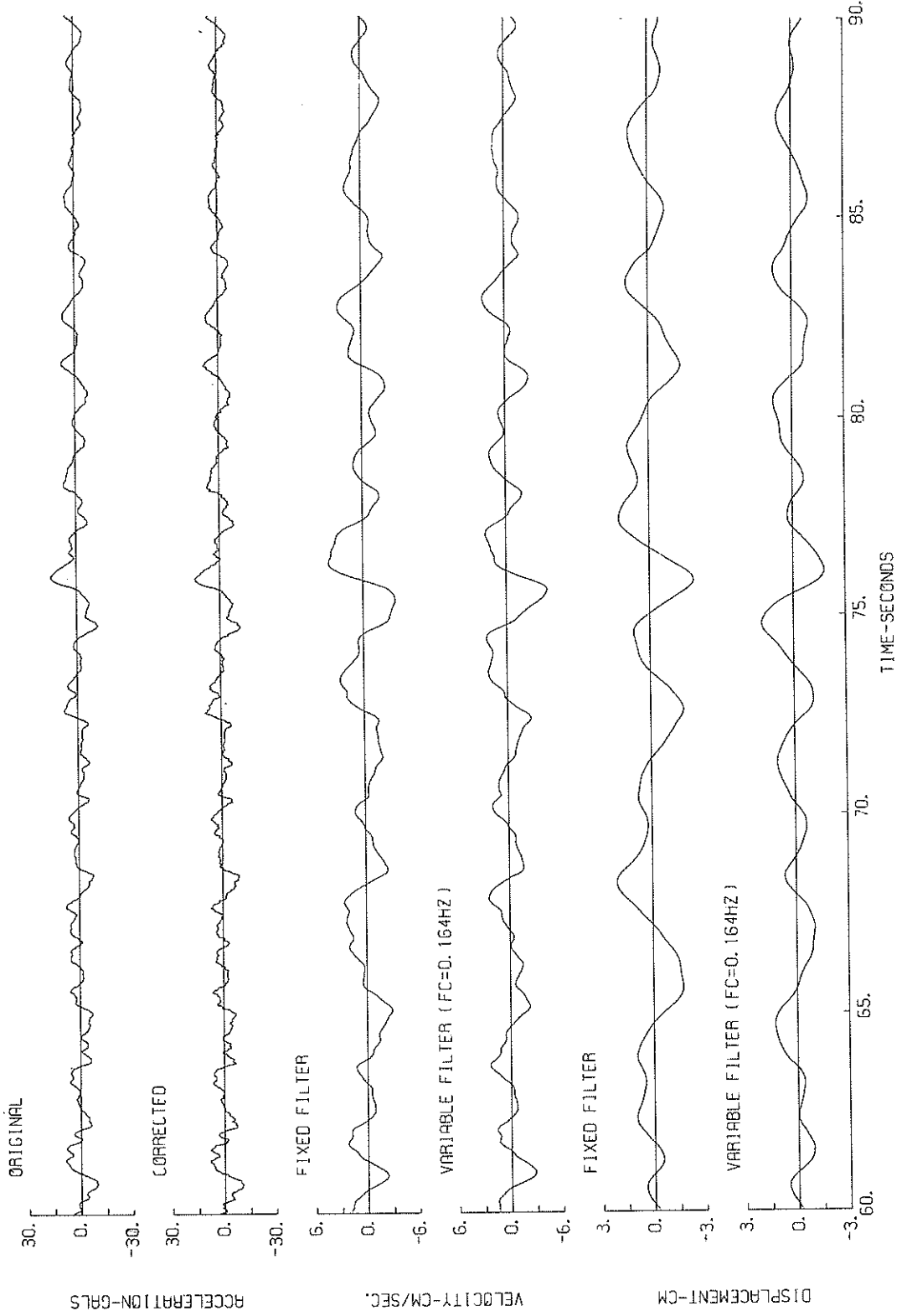
S-1203 SOUTH NIIGATA-JI-S



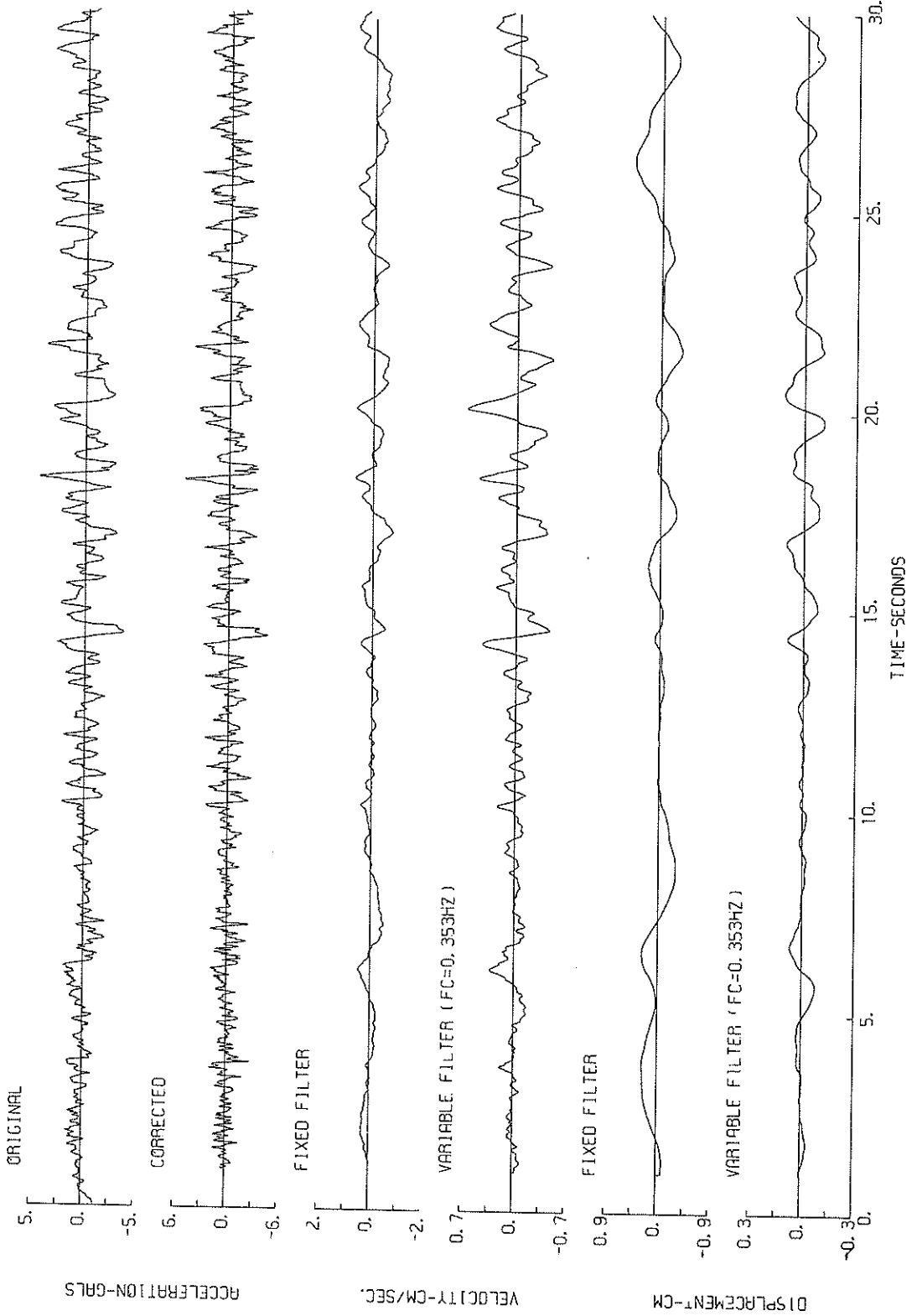
S-1203 SOUTH NIIGATA-JI-S



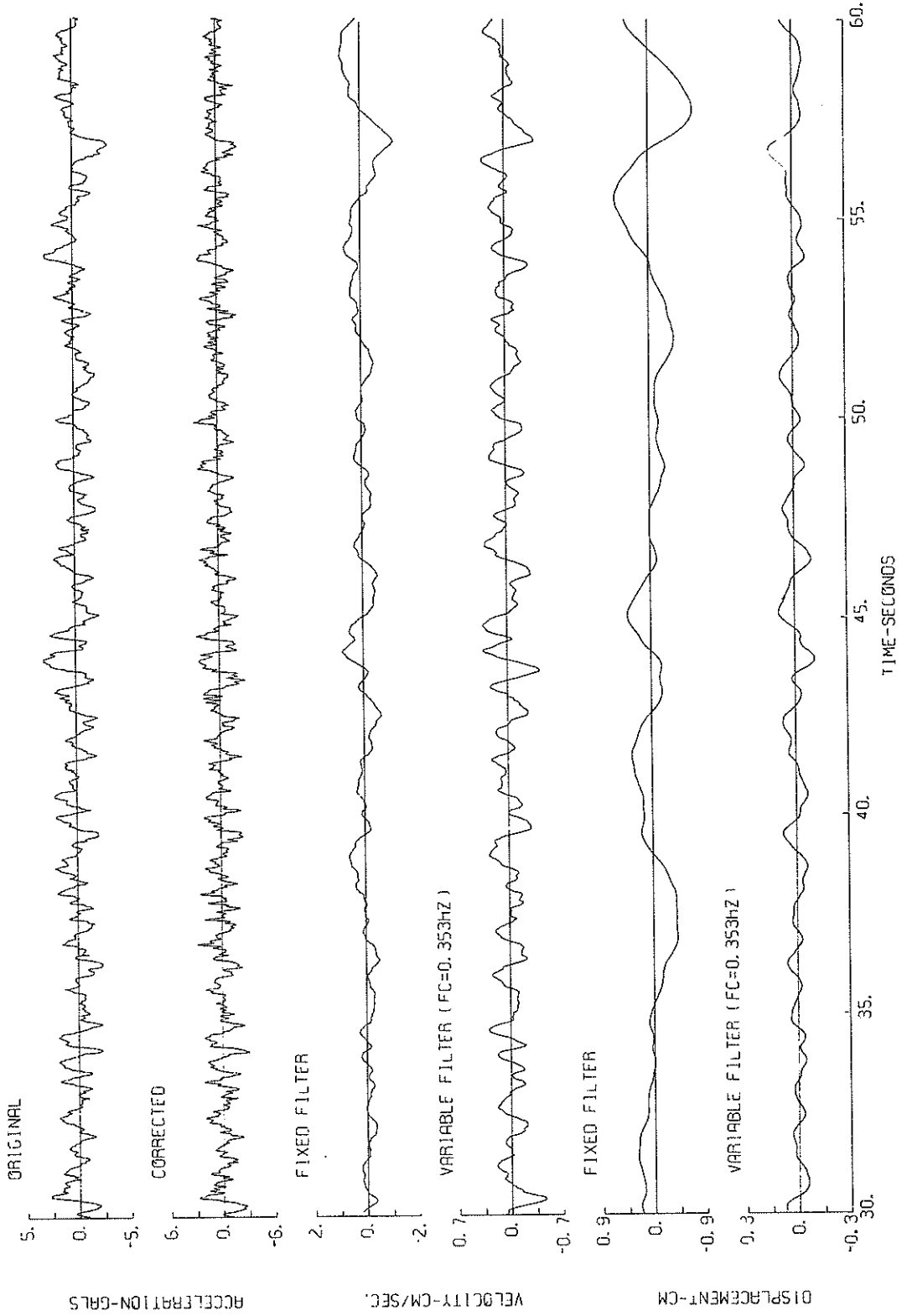
S-1203 SOUTH NIIGATA-JI-S



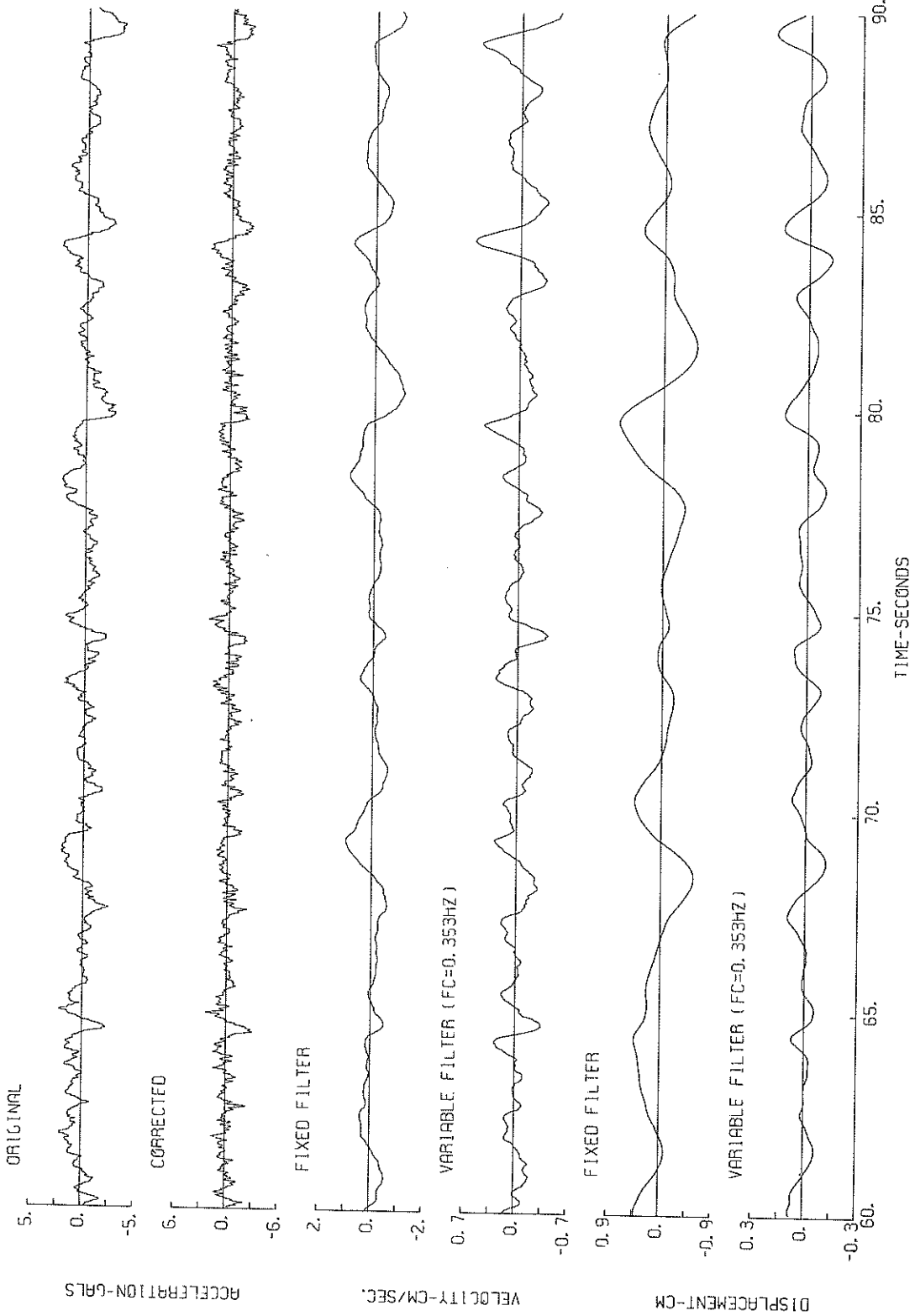
S-1203 DOWN NIIGATA-J1-S



S-1203 DOWN NIIGATA-J1-S

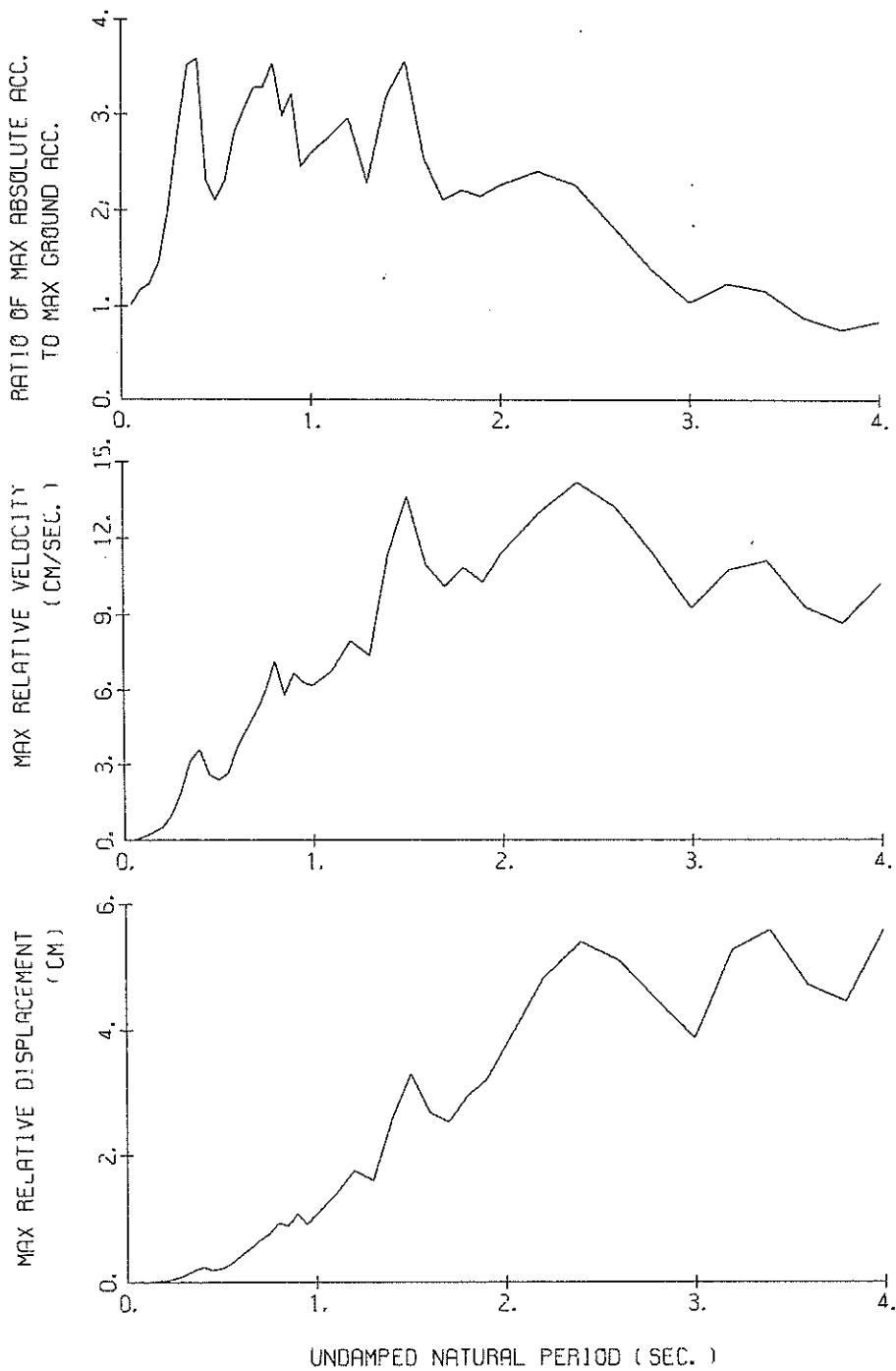


S-1203 DOWN NIIGATA-JI-S



S-1203 EAST NIIGATA-JI-S

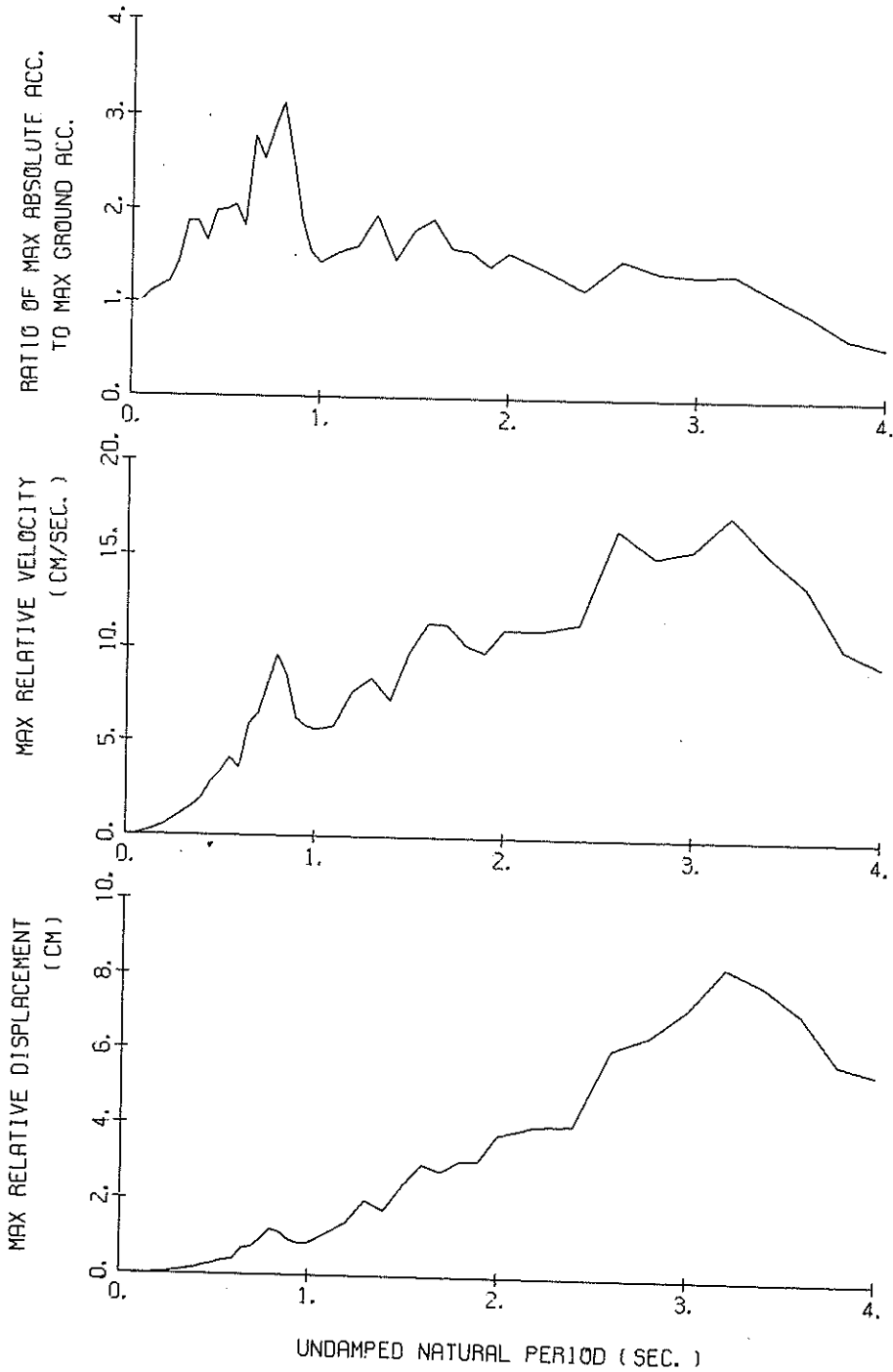
($1/FC=6.58$ sec.)



RESPONSE SPECTRA (H=0.05)

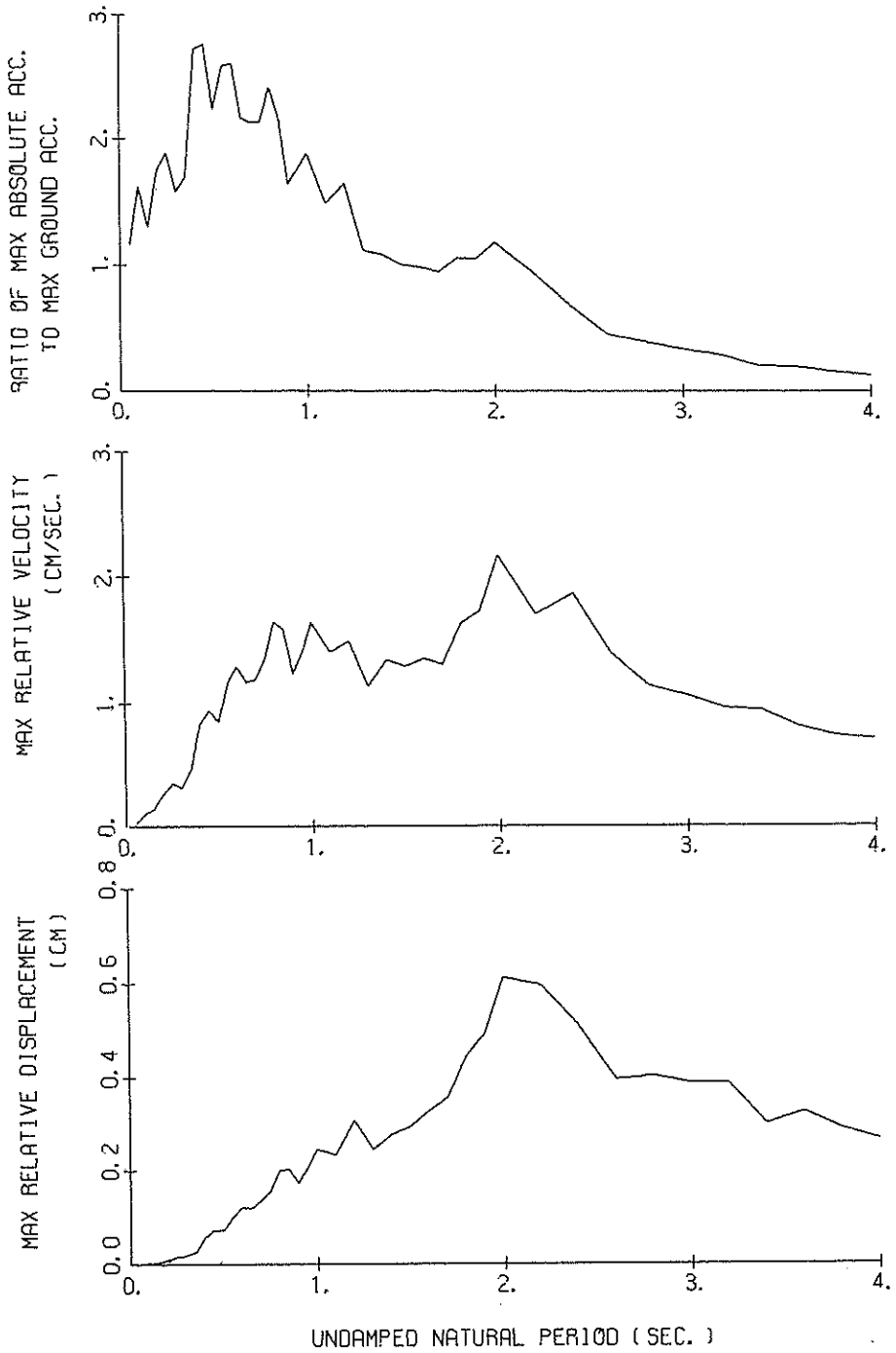
S-1203 SOUTH NIIGATA-JI-S

($1/FC=6.10$ sec.)



RESPONSE SPECTRA ($H=0.05$)

S-1203 DOWN NIIGATA-JI-S
(1/FC=2.83 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1203
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 50.00 (SEC)
 COMPONENT = EAST
 SIGNAL = GR. ACC.
 CORRECTION = ARC.ERR.
 STATION = NIIGATA-JI-S
 SAMPLING INTERVAL = 0.0100(SEC)
 MAX.GROUND ACC. = 16.36 (GAL)

PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD		
0.05	34.8	0.20	0.002	16.7	0.03	0.001	16.5	0.02	0.001	16.4	0.02	0.001	16.4	0.02	0.001	16.6	0.02	0.001		
0.10	90.2	1.31	0.023	21.3	0.18	0.005	19.2	0.13	0.005	17.4	0.10	0.004	17.4	0.10	0.004	16.8	0.08	0.004		
0.15	66.9	1.41	0.038	22.4	0.37	0.013	20.2	0.31	0.011	18.3	0.24	0.010	18.3	0.24	0.010	17.3	0.17	0.010		
0.20	43.2	1.13	0.044	26.3	0.60	0.027	23.9	0.52	0.024	20.4	0.41	0.020	20.4	0.41	0.020	17.8	0.29	0.018		
0.25	107.9	4.01	0.171	36.2	1.10	0.057	32.9	1.00	0.052	27.3	0.81	0.043	27.3	0.81	0.043	19.7	0.51	0.039		
0.30	159.0	7.13	0.362	55.5	2.10	0.127	46.3	1.94	0.105	34.2	1.44	0.077	34.2	1.44	0.077	21.5	0.83	0.046		
0.35	122.7	6.41	0.381	73.8	4.01	0.229	57.5	3.15	0.177	42.7	2.14	0.130	42.7	2.14	0.130	23.6	1.12	0.067		
0.40	267.4	16.63	1.084	77.5	4.84	0.314	58.6	3.62	0.237	40.7	2.53	0.161	40.7	2.53	0.161	23.1	1.26	0.088		
0.45	163.5	11.17	0.839	51.5	3.57	0.263	37.6	2.59	0.192	27.8	1.98	0.141	27.8	1.98	0.141	22.2	1.24	0.107		
0.50	57.0	4.48	0.361	44.2	2.95	0.280	34.5	2.39	0.217	27.5	1.84	0.171	27.5	1.84	0.171	22.2	1.18	0.134		
0.55	95.1	8.19	0.729	45.4	3.25	0.347	37.7	2.65	0.288	28.6	2.00	0.216	28.6	2.00	0.216	22.4	1.29	0.162		
0.60	117.4	10.45	1.071	54.6	4.48	0.498	46.1	3.72	0.418	34.7	2.73	0.312	34.7	2.73	0.312	23.4	1.58	0.200		
0.65	174.7	17.45	1.870	63.8	6.25	0.681	49.9	4.43	0.532	36.3	3.14	0.383	36.3	3.14	0.383	24.9	1.89	0.248		
0.70	137.8	15.17	1.711	68.2	6.87	0.865	53.8	5.12	0.665	40.6	3.70	0.496	40.6	3.70	0.496	25.9	2.16	0.296		
0.75	115.6	13.41	1.647	62.1	6.65	0.883	53.8	5.96	0.783	42.3	4.36	0.592	42.3	4.36	0.592	26.0	2.39	0.340		
0.80	116.4	14.49	1.887	76.7	9.69	1.243	58.0	7.17	1.035	40.6	4.70	0.646	40.6	4.70	0.646	25.3	2.54	0.376		
0.85	209.9	28.34	3.841	64.5	8.33	1.180	68.9	5.80	0.891	36.5	4.25	0.660	36.5	4.25	0.660	24.8	2.62	0.426		
0.90	143.8	20.38	2.950	74.4	10.01	1.524	52.6	6.70	1.075	38.2	4.39	0.773	38.2	4.39	0.773	25.9	2.68	0.498		
0.95	96.6	14.29	2.209	55.3	8.14	1.261	40.1	6.29	0.912	36.6	4.55	0.825	36.6	4.55	0.825	26.6	2.96	0.570		
1.00	153.5	23.57	3.887	51.8	8.00	1.311	42.3	6.18	1.068	37.7	4.91	0.942	37.7	4.91	0.942	27.2	3.23	0.640		
1.10	60.3	11.30	1.847	45.1	7.95	1.379	45.3	6.78	1.381	39.6	5.55	1.195	39.6	5.55	1.195	27.6	3.72	0.772		
1.20	88.6	16.93	3.232	58.6	10.20	2.135	48.3	8.00	1.760	38.8	6.17	1.388	38.8	6.17	1.388	26.9	4.07	0.883		
1.30	72.0	14.16	3.082	49.5	9.76	2.114	37.4	7.39	1.595	34.9	6.16	1.463	34.9	6.16	1.463	25.5	4.34	0.968		
1.40	128.7	28.60	6.390	72.4	15.42	3.591	52.1	11.36	2.575	33.5	7.21	1.632	33.5	7.21	1.632	23.7	4.58	1.031		
1.50	167.3	39.26	9.534	87.7	20.57	4.993	58.3	13.68	3.309	35.3	8.23	1.975	35.3	8.23	1.975	21.5	4.76	1.077		
1.60	80.7	20.18	5.235	55.7	13.78	3.606	41.6	10.98	2.680	30.3	7.65	1.926	30.3	7.65	1.926	20.6	4.86	1.165		
1.70	85.6	25.01	6.267	44.6	12.41	3.258	34.7	10.12	2.527	27.9	7.52	1.994	27.9	7.52	1.994	20.1	4.83	1.269		
1.80	123.5	36.23	10.139	49.6	13.79	4.049	36.2	10.87	2.953	24.9	7.75	1.991	24.9	7.75	1.991	19.5	4.66	1.363		
1.90	93.7	27.07	8.572	47.4	14.25	4.330	35.2	10.31	3.210	25.6	7.27	2.307	25.6	7.27	2.307	18.6	4.70	1.441		
2.00	69.4	23.67	7.036	44.6	15.19	4.506	37.1	11.44	3.741	27.4	8.52	2.741	27.4	8.52	2.741	17.6	5.01	1.601		
2.20	47.5	16.26	5.822	45.1	15.49	5.528	39.5	13.03	4.817	28.9	9.71	3.481	28.9	9.71	3.481	17.6	5.68	1.974		
2.40	109.4	41.47	15.962	51.4	19.78	7.485	37.2	14.23	5.397	26.7	9.86	3.829	26.7	9.86	3.829	17.1	5.75	2.188		
2.60	79.7	33.25	13.654	40.4	17.93	6.905	30.0	13.26	5.114	23.0	8.94	3.907	23.0	8.94	3.907	15.6	5.91	2.266		
2.80	25.5	12.76	5.055	25.8	12.93	5.118	22.8	11.40	4.494	19.0	8.61	3.688	19.0	8.61	3.688	13.9	5.95	2.362		
3.00	22.9	12.48	5.212	17.5	9.44	3.995	17.1	9.27	3.868	15.9	8.12	3.523	15.9	8.12	3.523	12.5	5.88	2.436		
3.20	36.4	20.78	9.451	25.5	14.06	6.617	20.4	10.80	5.267	15.4	7.69	3.904	15.4	7.69	3.904	11.3	5.72	2.468		
3.40	52.7	28.68	15.422	26.3	14.99	7.681	19.2	11.14	5.590	14.1	8.12	4.028	14.1	8.12	4.028	10.3	5.47	2.451		
3.60	27.8	16.27	9.121	18.9	11.47	6.181	14.5	9.32	4.716	11.5	7.84	3.681	11.5	7.84	3.681	9.3	5.69	2.425		
3.80	27.1	17.22	9.906	15.4	10.65	5.612	12.3	8.70	4.464	10.1	7.78	3.622	10.1	7.78	3.622	8.4	5.89	2.437		
4.00	32.5	20.65	13.164	19.2	12.83	7.777	13.9	10.24	5.588	9.6	7.98	3.787	9.6	7.98	3.787	7.5	6.06	2.445		

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

RESPONSE SPECTRUM

RECORD = S-1203 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = NIIGATA-JI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 24.05 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 30.00 (SEC)

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

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	28.1	0.10	0.002	24.1	0.03	0.002	24.0	0.03	0.002	24.1	0.02	0.002	24.3	0.02	0.002
0.10	68.0	0.97	0.017	28.3	0.20	0.007	26.6	0.16	0.007	26.7	0.14	0.007	25.4	0.10	0.006
0.15	54.4	4.10	0.031	29.2	0.39	0.017	28.1	0.34	0.016	25.8	0.24	0.015	24.6	0.17	0.014
0.20	134.0	4.17	0.136	31.9	0.37	0.032	29.3	0.53	0.030	27.4	0.41	0.028	26.1	0.28	0.024
0.25	76.8	2.63	0.122	40.3	1.03	0.064	34.7	0.87	0.055	32.7	0.67	0.051	28.9	0.44	0.044
0.30	131.5	6.13	0.300	52.4	1.52	0.120	45.1	1.20	0.103	38.6	0.97	0.087	31.0	0.62	0.068
0.35	118.1	5.86	0.366	56.0	2.09	0.174	45.1	1.53	0.140	36.8	1.13	0.113	31.2	0.74	0.094
0.40	113.4	6.54	0.460	50.8	2.66	0.206	40.0	1.97	0.162	35.2	1.42	0.142	31.2	1.00	0.122
0.45	147.0	10.29	0.754	60.8	3.83	0.311	47.8	2.83	0.245	35.8	2.02	0.181	31.7	1.27	0.156
0.50	218.9	16.92	1.386	69.8	5.24	0.441	47.9	3.35	0.302	38.6	2.50	0.242	32.5	1.54	0.196
0.55	134.7	11.44	1.032	62.8	5.18	0.480	49.2	4.09	0.375	37.5	3.06	0.285	33.8	1.78	0.245
0.60	82.7	7.51	0.754	41.2	3.54	0.376	43.7	3.56	0.398	42.2	3.01	0.381	35.5	2.10	0.304
0.65	161.0	16.52	1.723	83.9	8.00	0.898	66.8	5.89	0.713	51.2	4.25	0.541	36.7	2.51	0.366
0.70	124.6	13.73	1.546	65.2	7.39	0.807	61.2	6.48	0.756	52.5	5.08	0.642	37.0	2.85	0.425
0.75	245.2	28.78	3.493	106.0	10.91	1.368	68.6	8.04	0.974	51.1	5.53	0.717	36.3	3.12	0.476
0.80	180.7	22.83	2.930	93.9	12.84	1.682	75.1	9.62	1.212	48.7	6.23	0.775	34.8	3.26	0.517
0.85	264.3	35.31	4.841	103.3	11.38	1.560	61.9	8.49	1.127	45.8	5.74	0.821	32.9	3.29	0.548
0.90	132.4	18.19	2.717	50.0	7.00	1.024	45.7	6.25	0.933	38.4	4.86	0.772	30.8	3.23	0.569
0.95	90.4	13.43	2.067	44.4	6.58	1.013	37.2	5.81	0.848	38.7	4.84	0.691	28.8	3.14	0.605
1.00	63.6	9.97	1.611	37.9	6.02	0.960	34.5	5.63	0.871	30.2	4.55	0.752	26.1	3.14	0.657
1.10	125.1	20.87	3.835	44.7	7.19	1.370	37.1	5.79	1.133	30.4	5.00	0.917	27.6	3.60	0.776
1.20	102.2	18.75	3.729	53.5	9.69	1.950	38.8	7.66	1.408	32.3	6.01	1.157	27.0	4.01	0.903
1.30	127.8	25.95	5.470	63.2	11.79	2.701	46.8	8.40	1.993	33.5	6.01	1.403	26.3	4.29	1.027
1.40	74.6	15.81	3.704	44.7	9.17	2.218	35.3	7.19	1.744	29.1	5.90	1.416	25.7	4.46	1.155
1.50	103.8	24.32	5.915	61.8	14.42	3.518	43.0	9.85	2.444	31.9	6.86	1.781	25.3	4.59	1.298
1.60	89.0	22.25	5.774	56.9	14.57	3.687	45.9	11.39	2.960	31.4	7.70	1.992	25.2	4.78	1.457
1.70	133.1	35.58	9.746	57.8	16.70	4.228	38.3	11.32	2.791	30.2	7.64	2.161	25.0	5.09	1.622
1.80	99.9	27.87	8.199	50.2	14.07	4.117	37.5	10.22	3.061	30.1	7.79	2.419	24.7	5.36	1.784
1.90	82.8	23.86	7.571	37.4	11.27	3.417	33.9	9.82	3.083	30.6	8.12	2.744	24.2	5.84	1.936
2.00	67.6	20.90	6.845	45.3	14.55	4.587	37.4	11.08	3.766	31.2	8.47	3.091	23.5	6.30	2.073
2.20	75.3	28.27	9.227	40.6	15.67	4.971	33.0	11.07	4.020	28.6	9.60	3.418	21.4	7.03	2.278
2.40	40.3	16.32	5.878	30.6	13.12	4.453	27.9	11.42	4.051	24.9	9.90	3.539	17.2	7.49	2.389
2.60	89.3	36.71	15.298	50.3	22.35	8.609	35.7	16.45	6.087	22.8	10.79	3.823	19.0	7.72	2.435
2.80	80.0	36.47	15.893	45.2	20.44	8.868	32.6	15.02	6.426	21.9	10.84	4.262	14.8	7.77	2.543
3.00	70.2	34.04	16.000	40.9	20.48	9.308	31.7	15.44	7.185	22.6	11.12	5.030	13.7	7.74	2.778
3.20	59.8	31.04	15.901	41.3	22.32	10.701	32.3	17.26	8.325	22.7	12.30	5.782	12.7	7.65	2.956
3.40	28.3	16.35	8.274	30.4	17.46	8.890	27.0	15.23	7.848	20.3	11.88	5.811	11.7	7.53	3.077
3.60	44.1	25.89	14.462	27.6	16.84	9.039	21.8	13.56	7.106	16.9	10.42	5.383	11.3	7.39	3.244
3.80	21.5	14.46	7.870	15.9	11.42	5.793	15.9	10.25	5.771	14.0	8.93	4.917	10.6	7.21	3.309
4.00	25.6	17.34	10.365	16.7	11.45	6.750	13.8	9.31	5.515	11.0	7.94	4.277	9.8	7.01	3.314

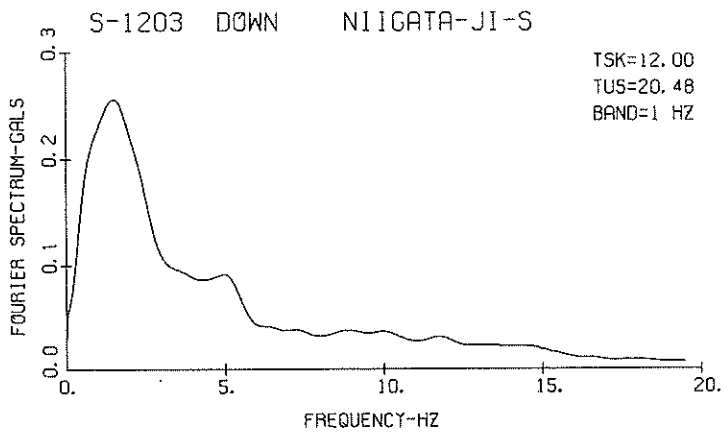
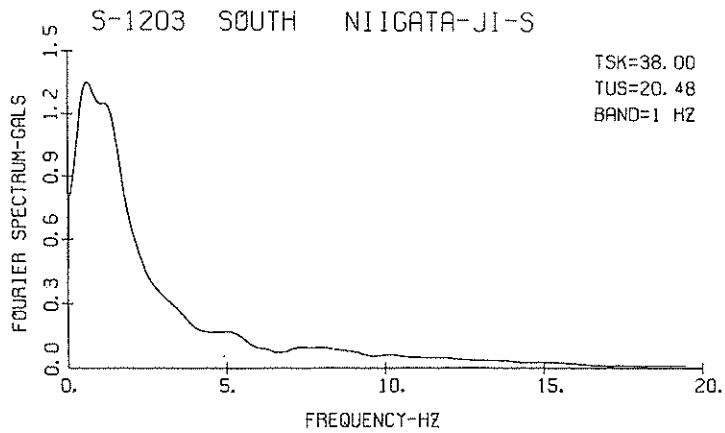
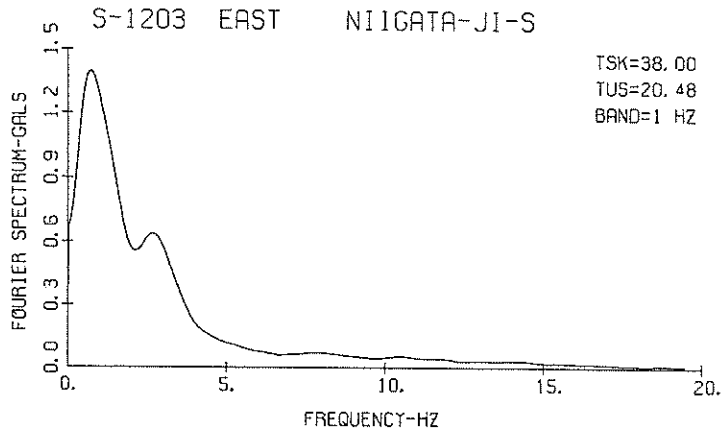
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1203 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = NIIGATA-JI-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 5.16 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 1.00 (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	15.7	0.11	0.001	6.0	0.02	0.000	5.9	0.02	0.000	5.8	0.01	0.000	5.6	0.01	0.000	
0.10	56.0	0.87	0.014	9.5	0.14	0.002	8.4	0.10	0.002	7.3	0.07	0.002	6.1	0.04	0.001	
0.15	13.0	0.26	0.007	7.2	0.17	0.004	6.7	0.14	0.004	6.1	0.11	0.003	5.6	0.08	0.003	
0.20	37.0	1.16	0.038	11.4	0.35	0.011	9.0	0.26	0.009	6.9	0.19	0.007	5.8	0.11	0.006	
0.25	37.7	1.49	0.060	13.9	0.51	0.022	9.7	0.35	0.015	6.7	0.23	0.010	5.5	0.16	0.008	
0.30	34.0	1.56	0.077	9.6	0.39	0.022	8.1	0.32	0.019	6.9	0.26	0.015	5.5	0.21	0.012	
0.35	43.5	2.39	0.135	10.6	0.56	0.033	8.7	0.46	0.027	6.9	0.33	0.021	5.9	0.28	0.017	
0.40	38.7	2.47	0.157	19.3	1.15	0.078	14.1	0.83	0.057	10.0	0.60	0.040	6.6	0.37	0.025	
0.45	63.9	4.51	0.328	19.3	1.29	0.099	14.2	0.95	0.073	10.4	0.71	0.053	6.7	0.43	0.031	
0.50	38.5	3.07	0.244	14.5	1.08	0.092	11.6	0.85	0.073	9.7	0.71	0.060	6.4	0.45	0.037	
0.55	51.2	4.38	0.392	16.6	1.42	0.127	13.3	1.16	0.102	10.0	0.83	0.076	6.5	0.44	0.046	
0.60	51.1	4.83	0.466	19.6	1.91	0.178	13.4	1.30	0.122	9.3	0.86	0.083	6.6	0.49	0.057	
0.65	40.8	4.22	0.437	15.0	1.57	0.161	11.2	1.17	0.119	8.4	0.84	0.089	6.7	0.54	0.067	
0.70	29.7	3.25	0.369	13.2	1.40	0.164	11.0	1.19	0.136	9.0	0.96	0.110	6.7	0.57	0.076	
0.75	32.1	3.79	0.458	13.5	1.65	0.193	14.0	1.35	0.156	9.3	1.07	0.130	6.6	0.60	0.084	
0.80	46.4	5.83	0.752	18.3	2.42	0.296	12.5	1.64	0.201	9.2	1.14	0.145	6.3	0.63	0.089	
0.85	32.5	4.49	0.595	17.0	2.40	0.310	11.2	1.58	0.203	8.4	1.10	0.150	5.9	0.65	0.093	
0.90	18.0	2.62	0.369	11.0	1.59	0.225	8.5	1.24	0.173	7.1	1.00	0.142	5.4	0.65	0.094	
0.95	29.0	4.45	0.663	11.8	1.80	0.269	9.1	1.40	0.206	7.0	1.07	0.157	4.8	0.65	0.095	
1.00	34.0	5.44	0.861	12.4	2.10	0.315	9.7	1.64	0.245	7.1	1.15	0.177	4.3	0.65	0.098	
1.10	21.5	3.84	0.660	11.0	1.98	0.338	7.7	1.40	0.234	5.8	1.02	0.173	4.1	0.67	0.114	
1.20	24.3	4.63	0.888	10.7	1.96	0.390	8.5	1.49	0.308	6.2	1.09	0.221	3.9	0.71	0.130	
1.30	17.4	3.66	0.747	6.7	1.44	0.287	5.8	1.14	0.245	5.2	1.00	0.216	3.7	0.72	0.143	
1.40	15.6	3.53	0.776	7.6	1.74	0.376	5.6	1.34	0.278	4.4	0.92	0.213	3.5	0.74	0.151	
1.50	12.0	3.07	0.685	7.4	1.85	0.422	5.2	1.30	0.295	4.3	0.98	0.236	3.3	0.75	0.156	
1.60	15.5	4.05	1.003	7.3	1.83	0.474	5.1	1.35	0.328	3.9	1.04	0.248	3.1	0.77	0.169	
1.70	12.2	3.33	0.890	6.2	1.71	0.454	4.9	1.31	0.357	3.9	1.02	0.276	3.0	0.78	0.185	
1.80	13.9	4.06	1.143	7.6	2.30	0.619	5.5	1.63	0.447	3.9	1.16	0.310	3.0	0.80	0.202	
1.90	17.8	5.41	1.625	7.8	2.38	0.714	5.5	1.73	0.495	3.9	1.34	0.351	2.9	0.82	0.219	
2.00	14.6	4.68	1.477	8.1	2.87	0.820	6.1	2.17	0.614	4.1	1.48	0.412	2.8	0.83	0.233	
2.20	8.7	3.26	1.066	5.8	2.22	0.713	4.9	1.71	0.598	3.6	1.31	0.422	2.5	0.87	0.245	
2.40	9.4	3.81	1.365	4.4	2.23	0.643	3.5	1.87	0.512	2.7	1.46	0.378	2.1	0.95	0.232	
2.60	3.5	1.69	0.607	2.8	1.38	0.481	2.3	1.39	0.397	2.0	1.29	0.326	1.7	0.96	0.205	
2.80	2.9	1.38	0.578	2.5	1.22	0.494	2.0	1.14	0.404	1.6	1.10	0.302	1.3	0.93	0.194	
3.00	2.2	1.22	0.504	2.0	1.18	0.464	1.7	1.06	0.388	1.3	0.94	0.284	1.1	0.88	0.183	
3.20	3.8	1.98	0.981	2.0	1.18	0.523	1.5	0.97	0.388	1.1	0.80	0.287	1.0	0.83	0.174	
3.40	2.0	1.51	0.573	1.2	1.13	0.354	1.0	0.94	0.300	1.0	0.79	0.275	0.9	0.79	0.177	
3.60	1.6	1.01	0.511	1.2	0.81	0.395	1.0	0.81	0.327	0.8	0.75	0.273	0.8	0.74	0.178	
3.80	1.5	1.13	0.547	1.0	0.78	0.352	0.8	0.74	0.290	0.7	0.72	0.233	0.7	0.74	0.175	
4.00	1.4	1.12	0.560	0.8	0.79	0.326	0.7	0.71	0.267	0.6	0.68	0.213	0.6	0.73	0.171	

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



FOURIER SPECTRA

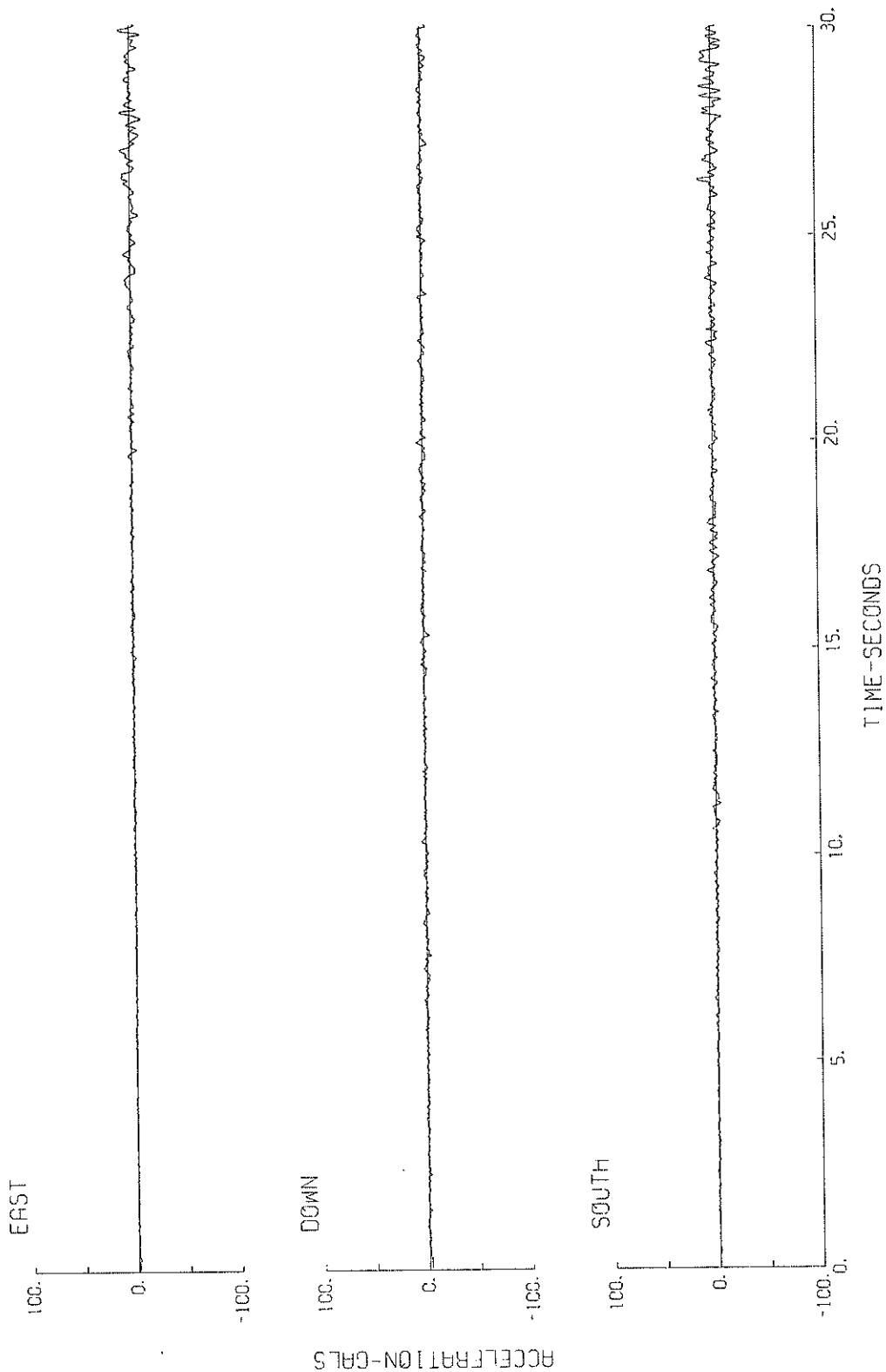
RECORD NUMBER S-1206
 STATION KASHIMA-ZOKAN-S

EARTHQUAKE DATA

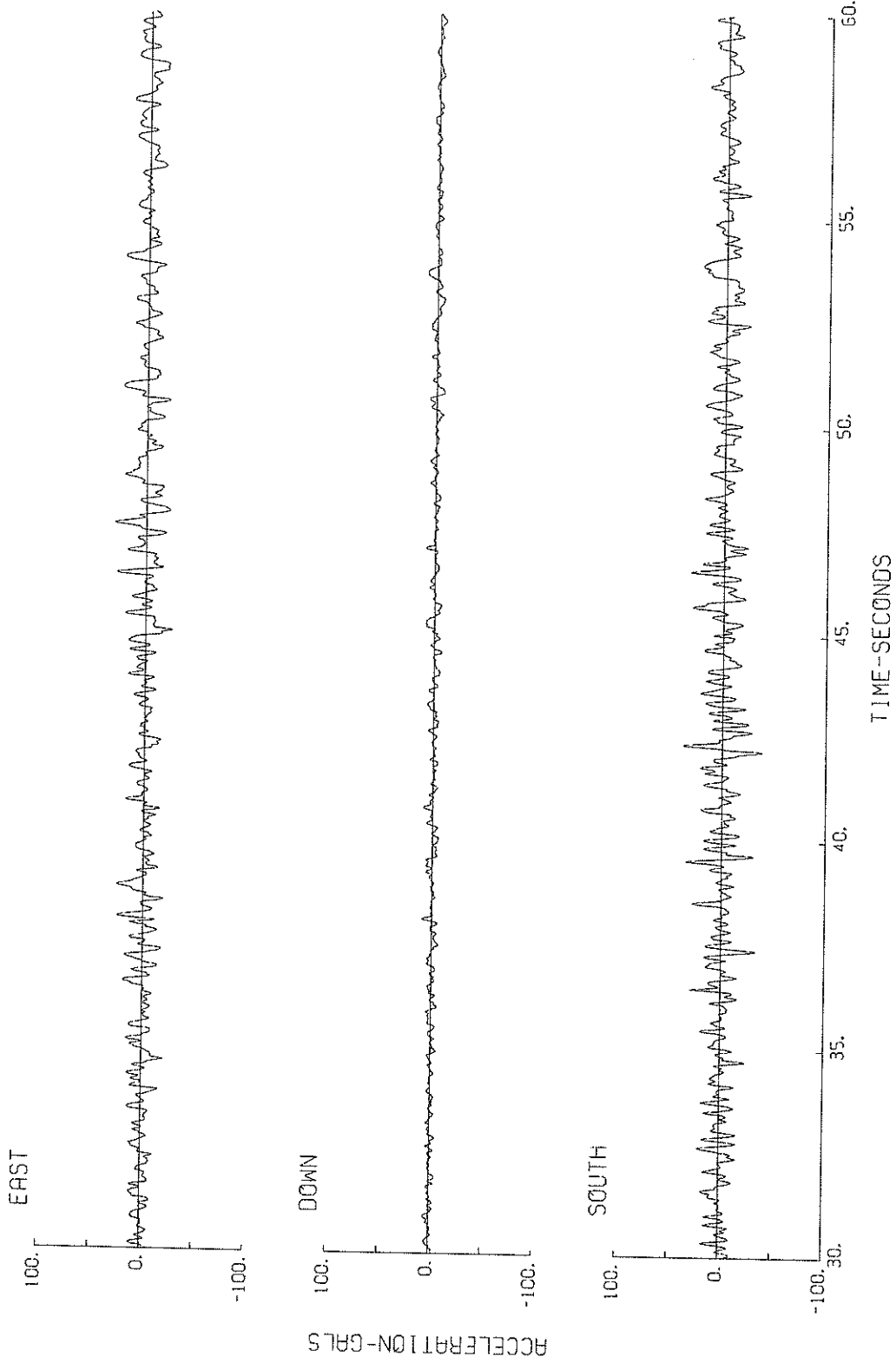
```
*****
*
* DATE AND TIME                                17:14 JUNE 12,1978                                *
*
* LOCATION OF HYPOCENTER                                *
* EPICENTRAL REGION                                OFF MIYAGI PREF.                                *
* LATITUDE                                        38.15 N                                        *
* LONGITUDE                                        142.17 E                                        *
* DEPTH                                            40KM                                            *
*
* MAGNITUDE                                        7.4                                            *
*
*****
```

PARAMETER OF THE VARIABLE FILTER	COMPONENT		
	EAST	SOUTH	DOWN
FC (HZ)	0.264	0.252	0.295
MAXIMUM ACCELERATION (GAL)			
ORIGINAL	30.9	38.8	10.3
SMAC-B2 EQUIVALENT			
CORRECTED	39.1	53.4	16.1
MAXIMUM VELOCITY (CM/SEC.)			
FIXED FILTER	4.50	4.19	2.38
VARIABLE FILTER	3.88	4.33	1.32
MAXIMUM DISPLACEMENT (CM)			
FIXED FILTER	1.37	1.83	1.12
VARIABLE FILTER	0.90	1.01	0.45

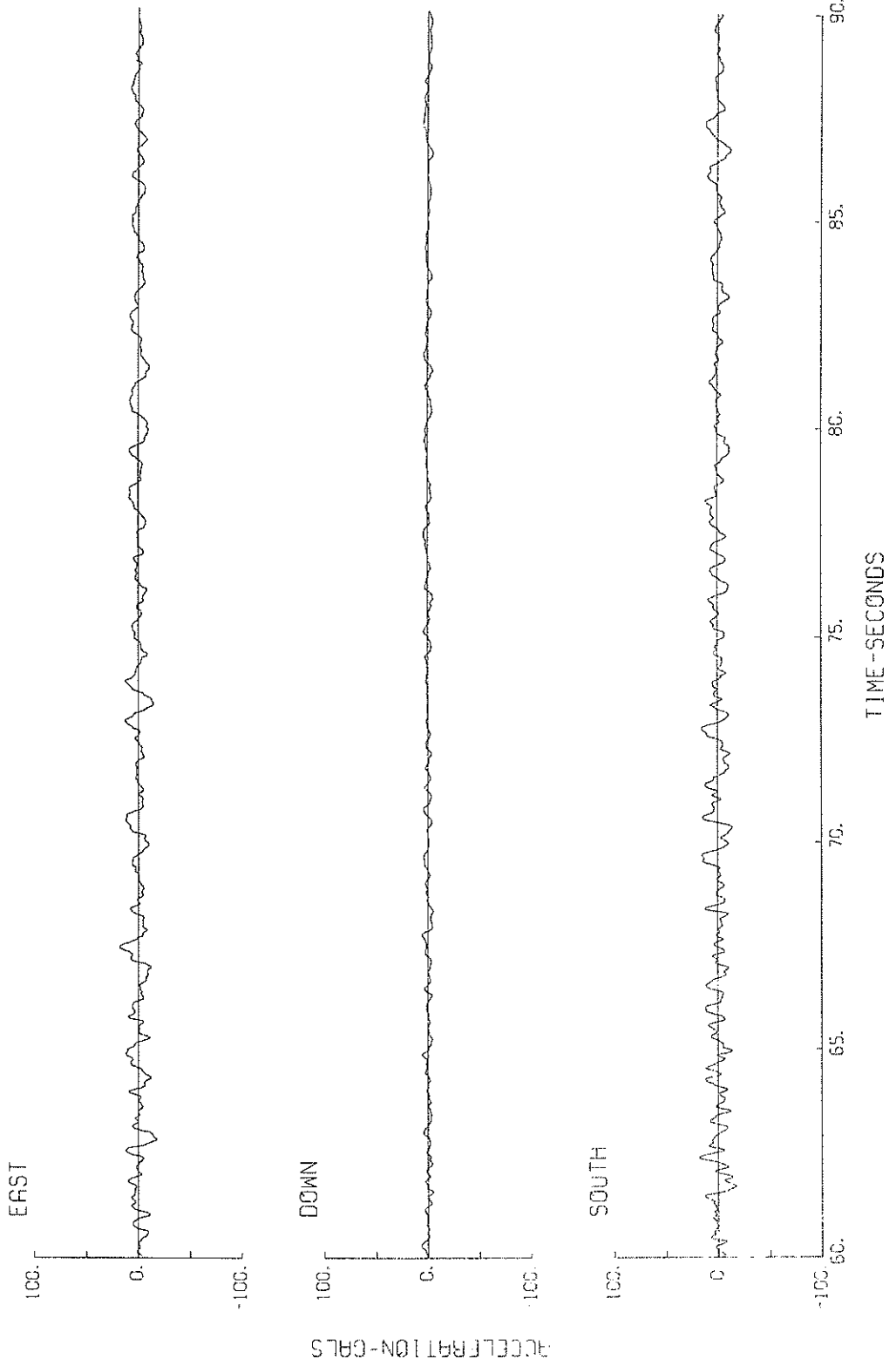
S-1206 KASHIMA-ZOKAN-S



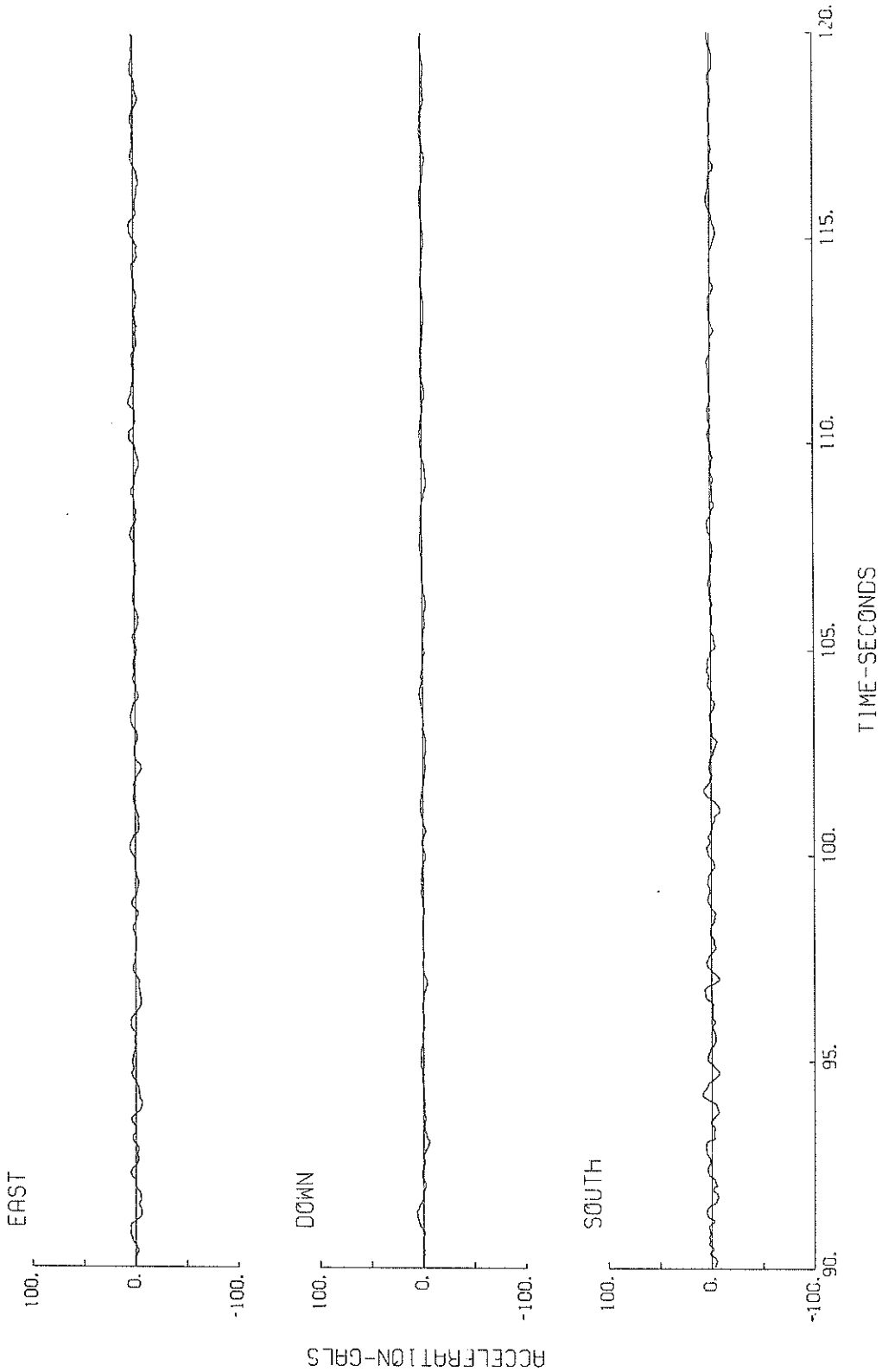
S-1206 KASHIMA-ZOKAN-S



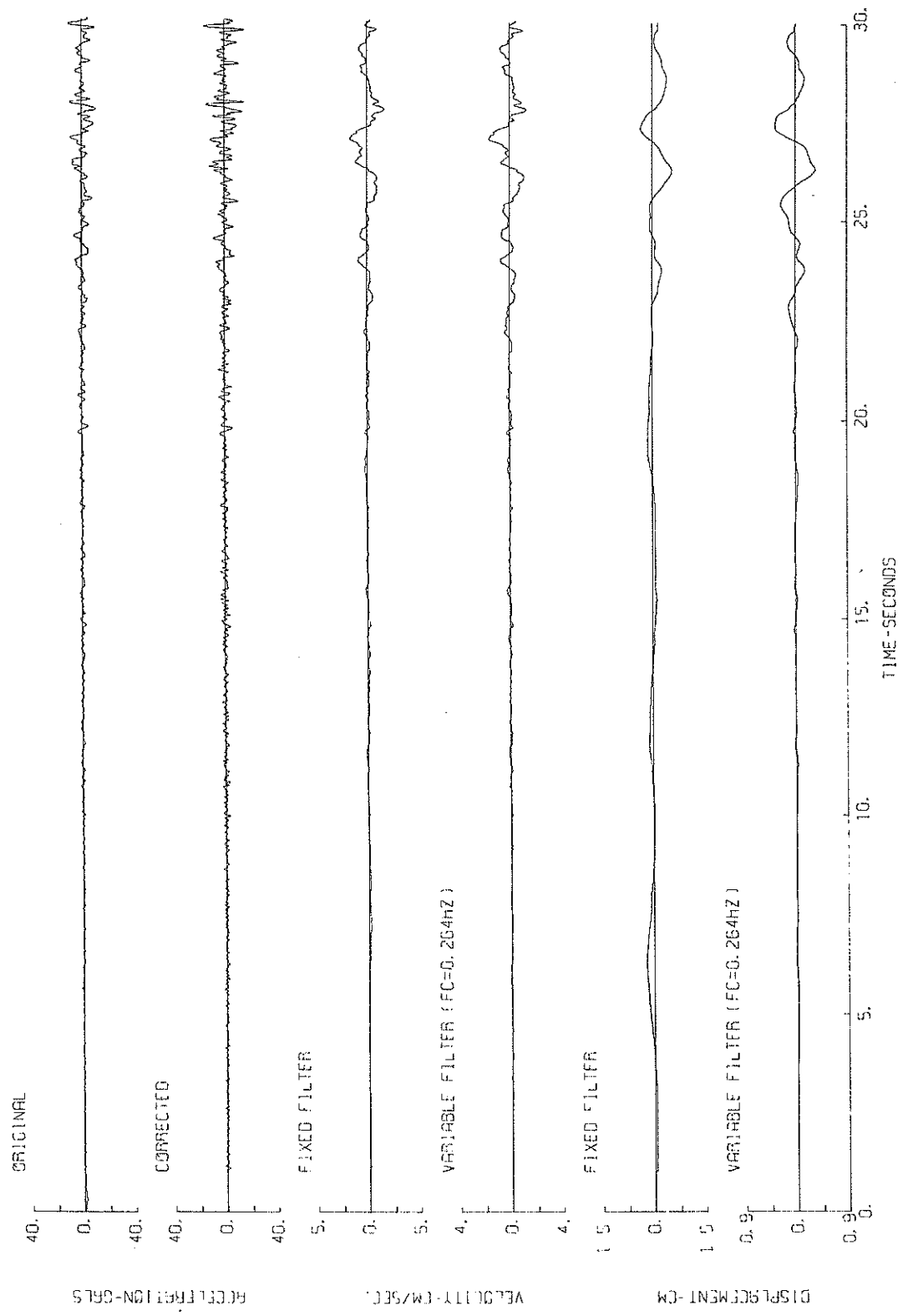
S-1206 KASHIMA-ZOKAN-S



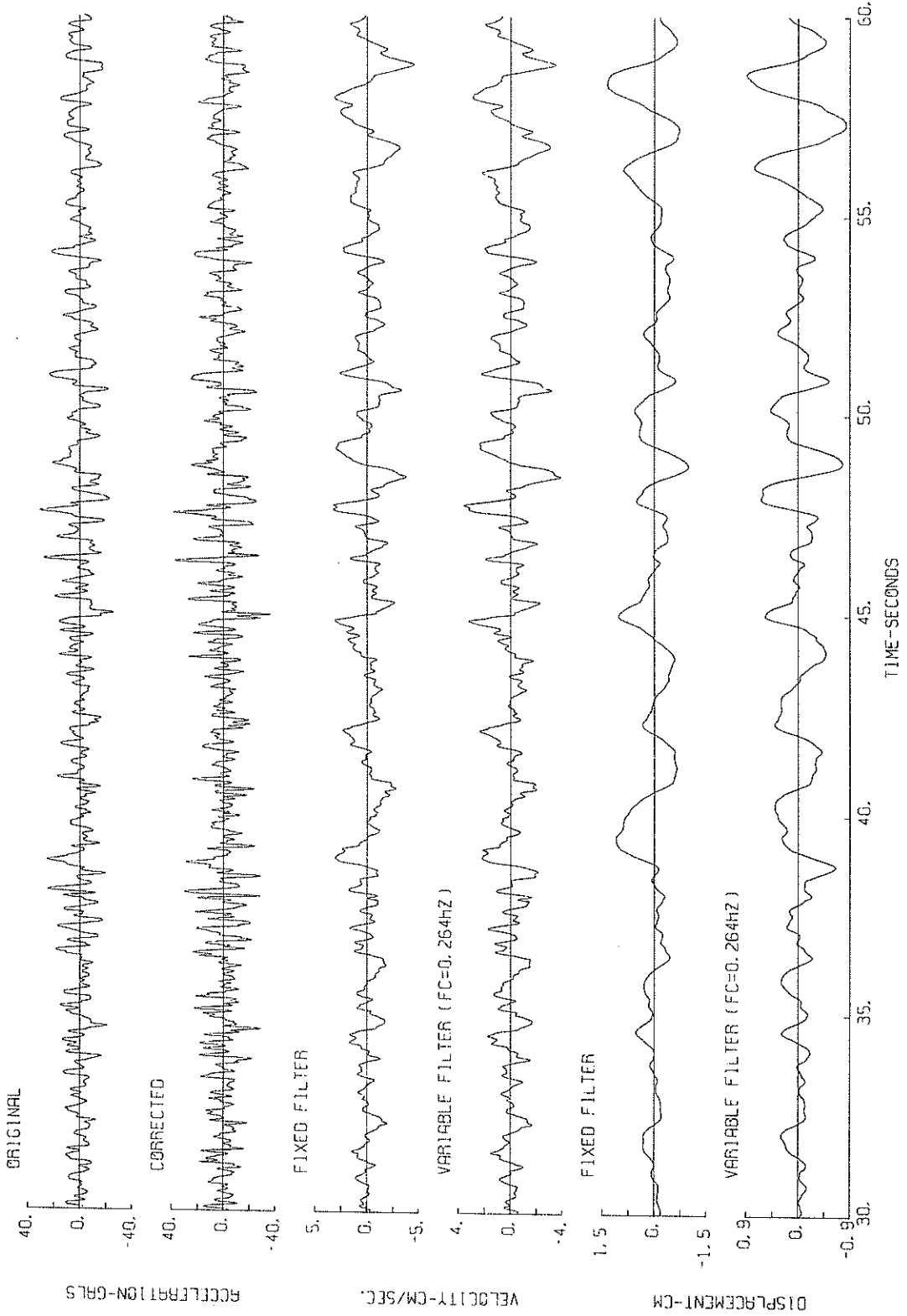
S-1206 KASHIMA-ZOKAN-S



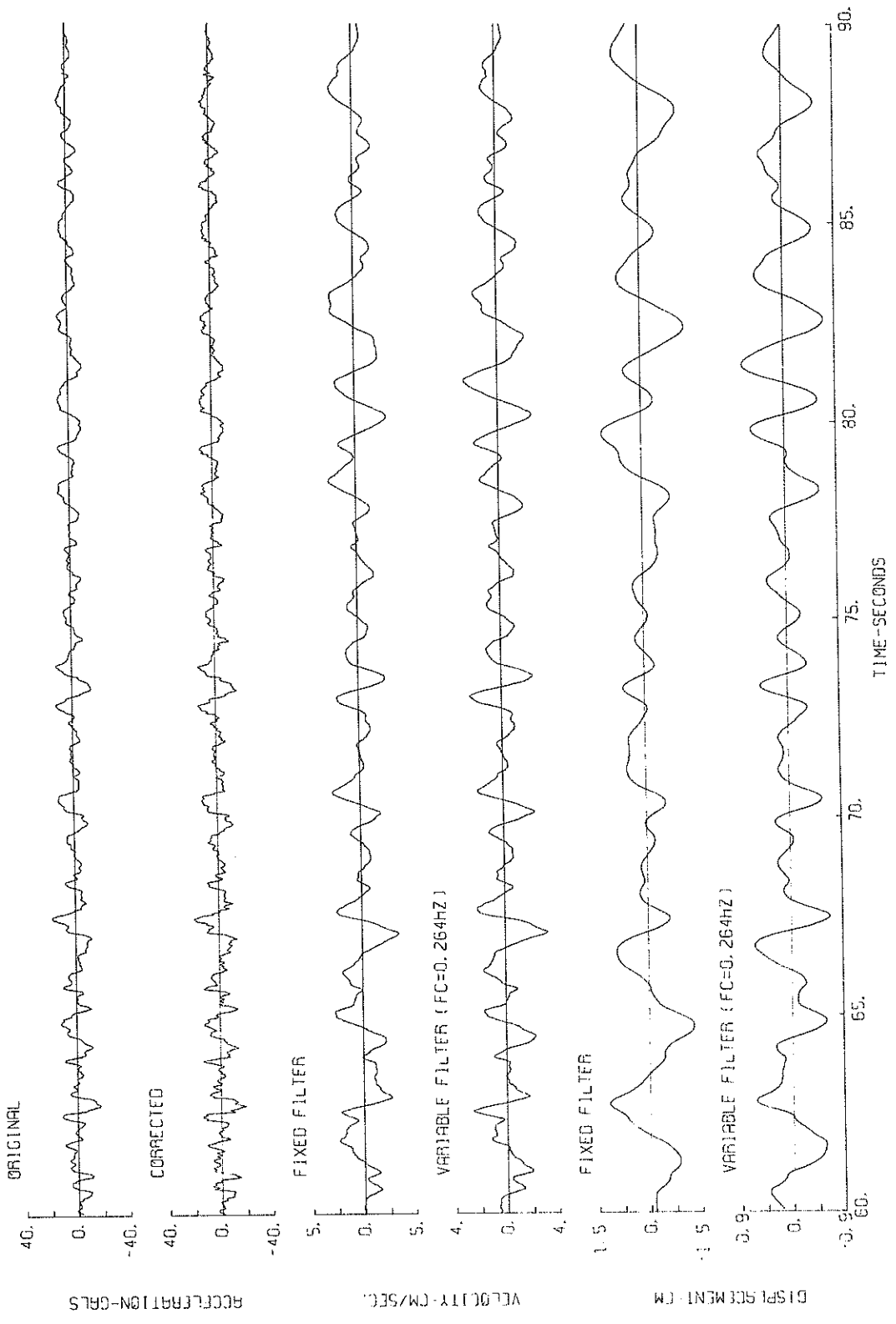
S-1206 EAST KASHIMA-ZOKAN-S



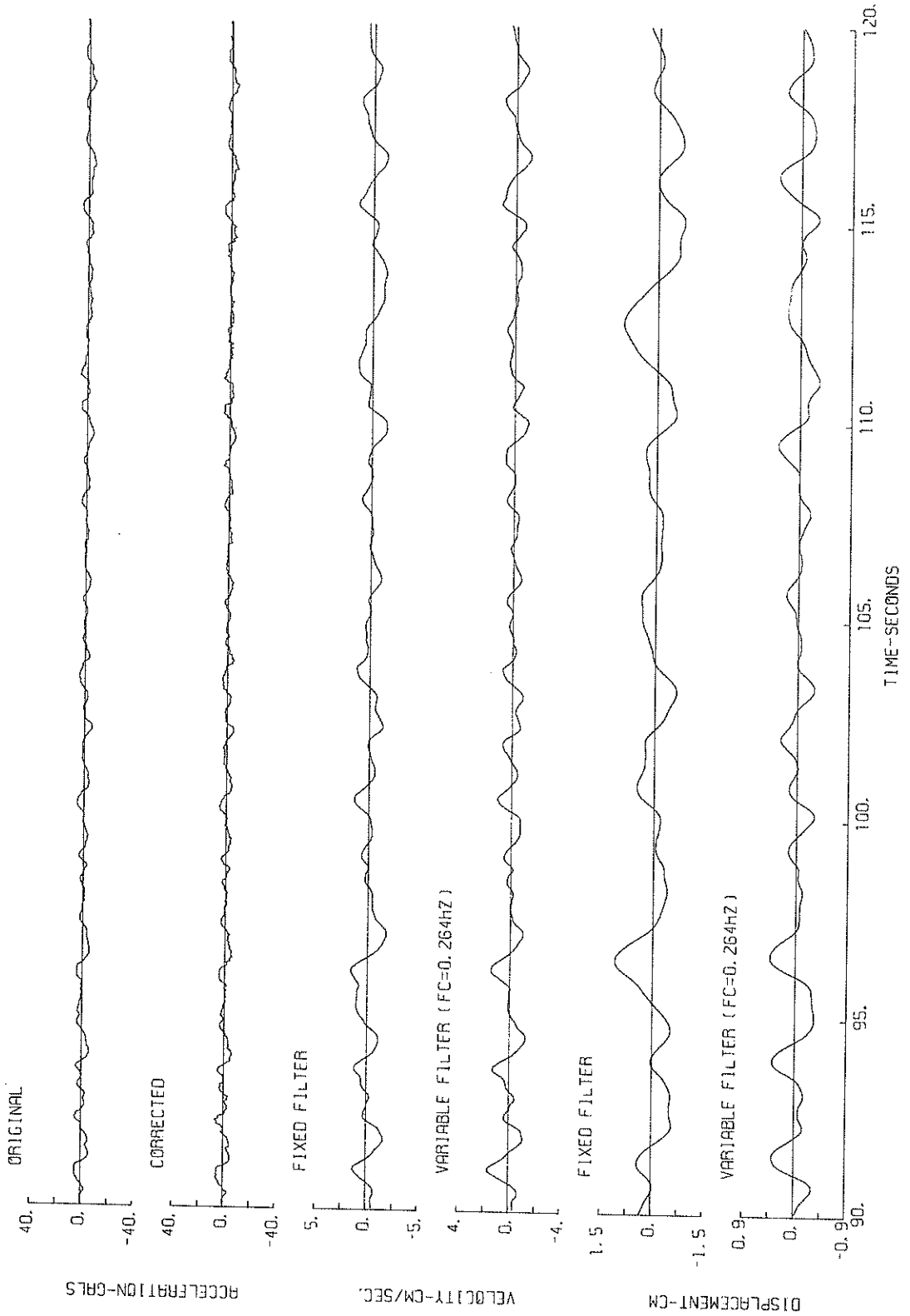
S-1206 EAST KASHIMA-ZOKAN-S



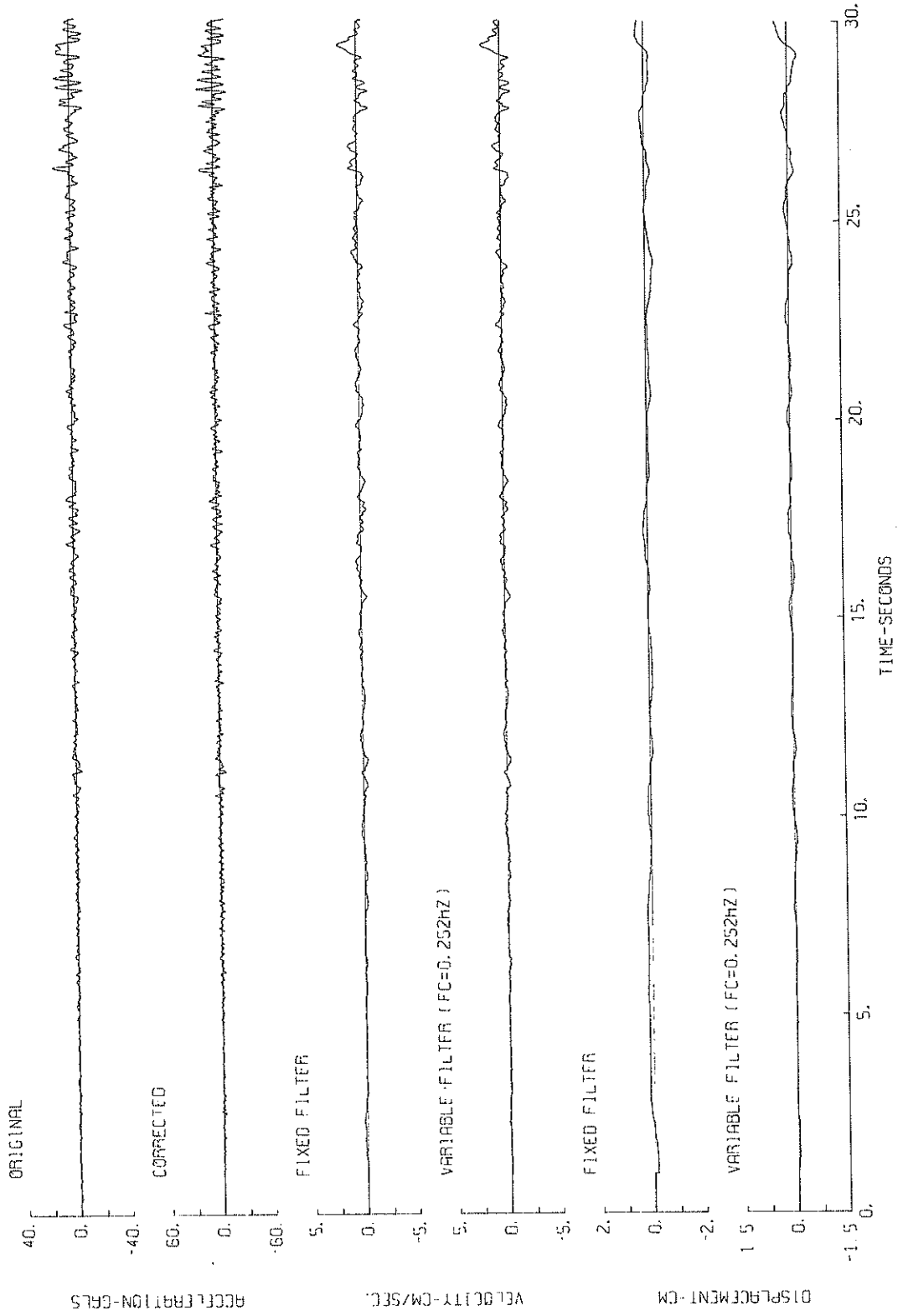
S-1206 EAST KASHIMA-ZOKAN-S



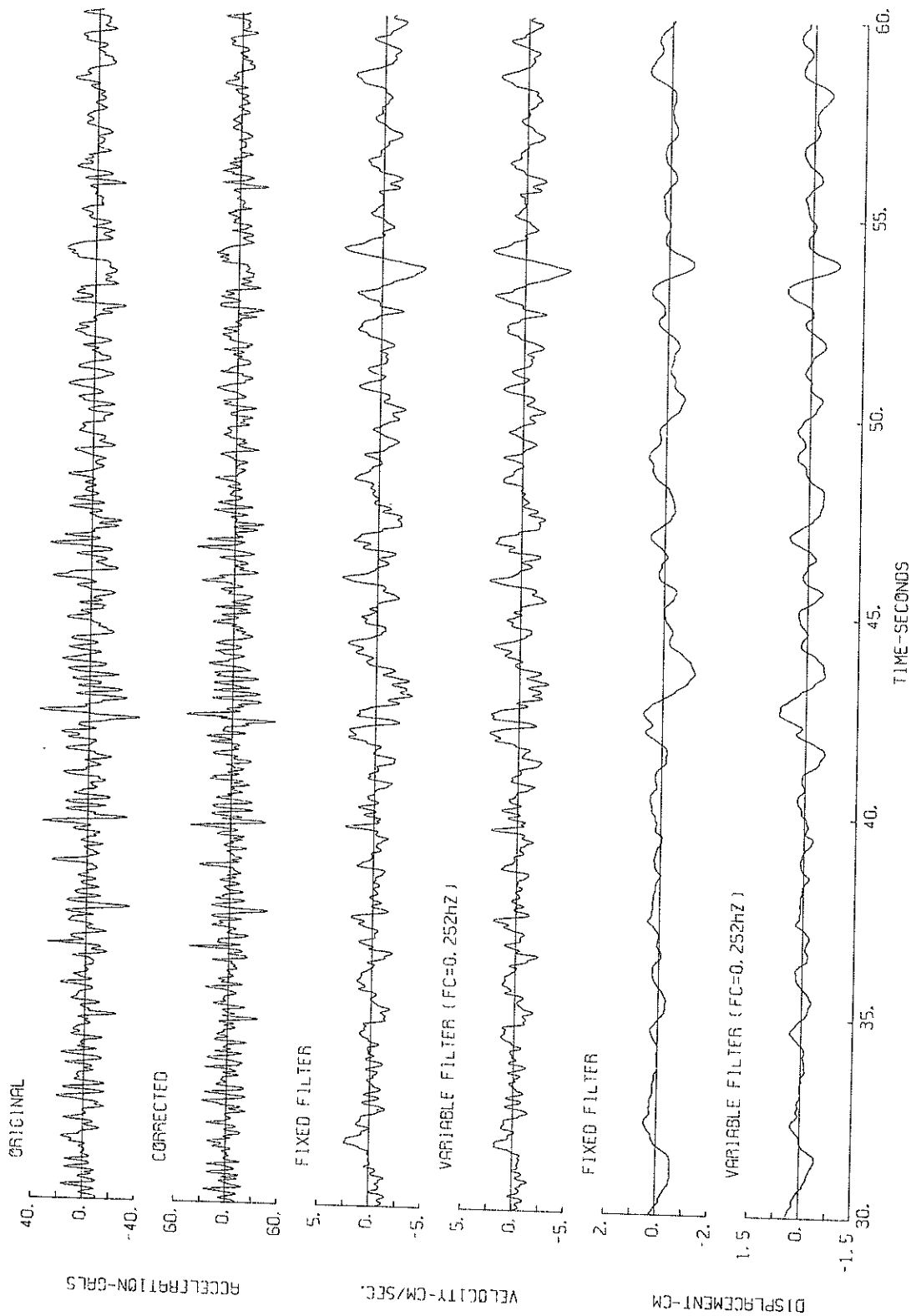
S-1206 EAST KASHIMA-ZOKKAN-S



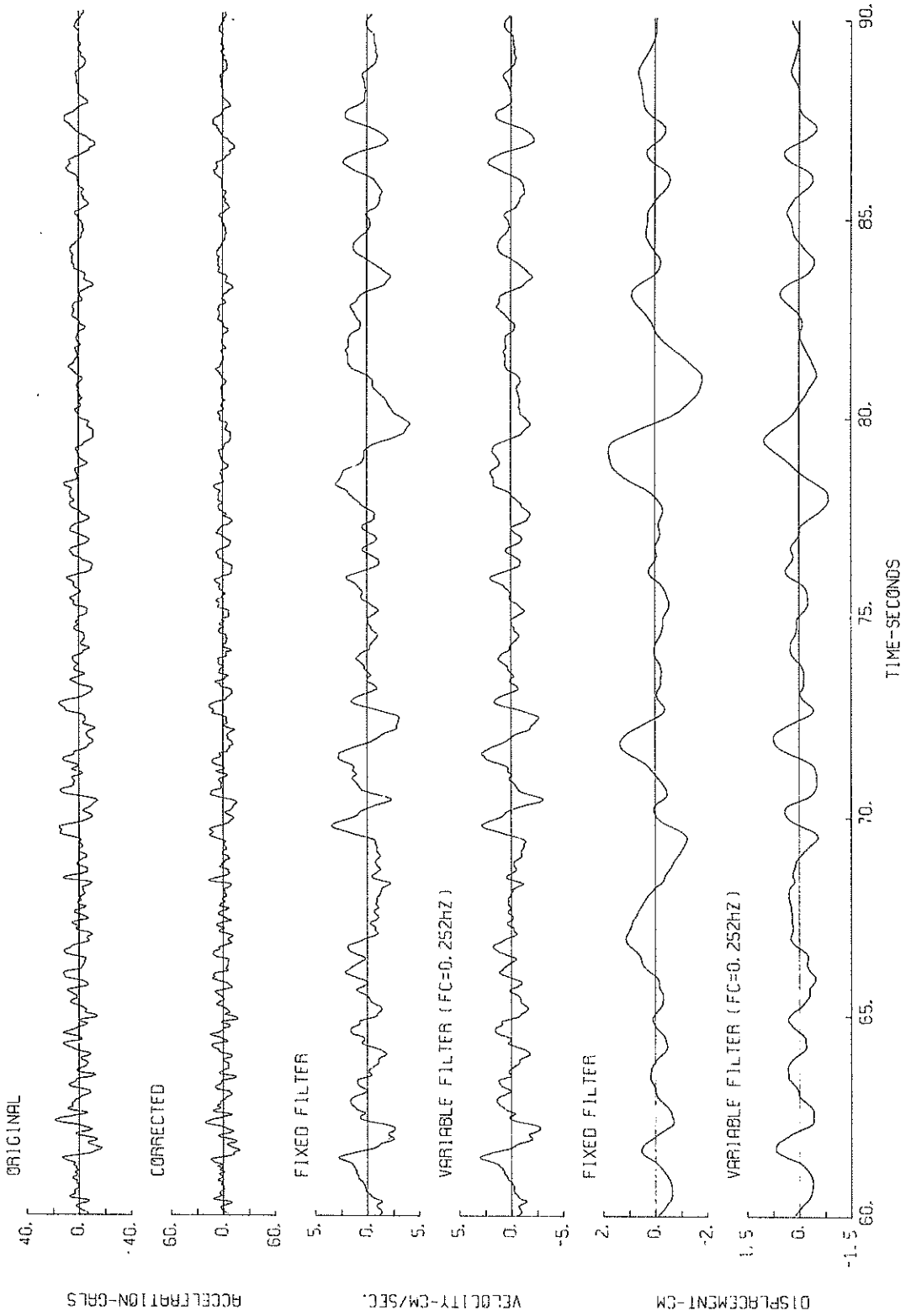
S-1206 SOUTH KASHIMA-ZOKAN-S



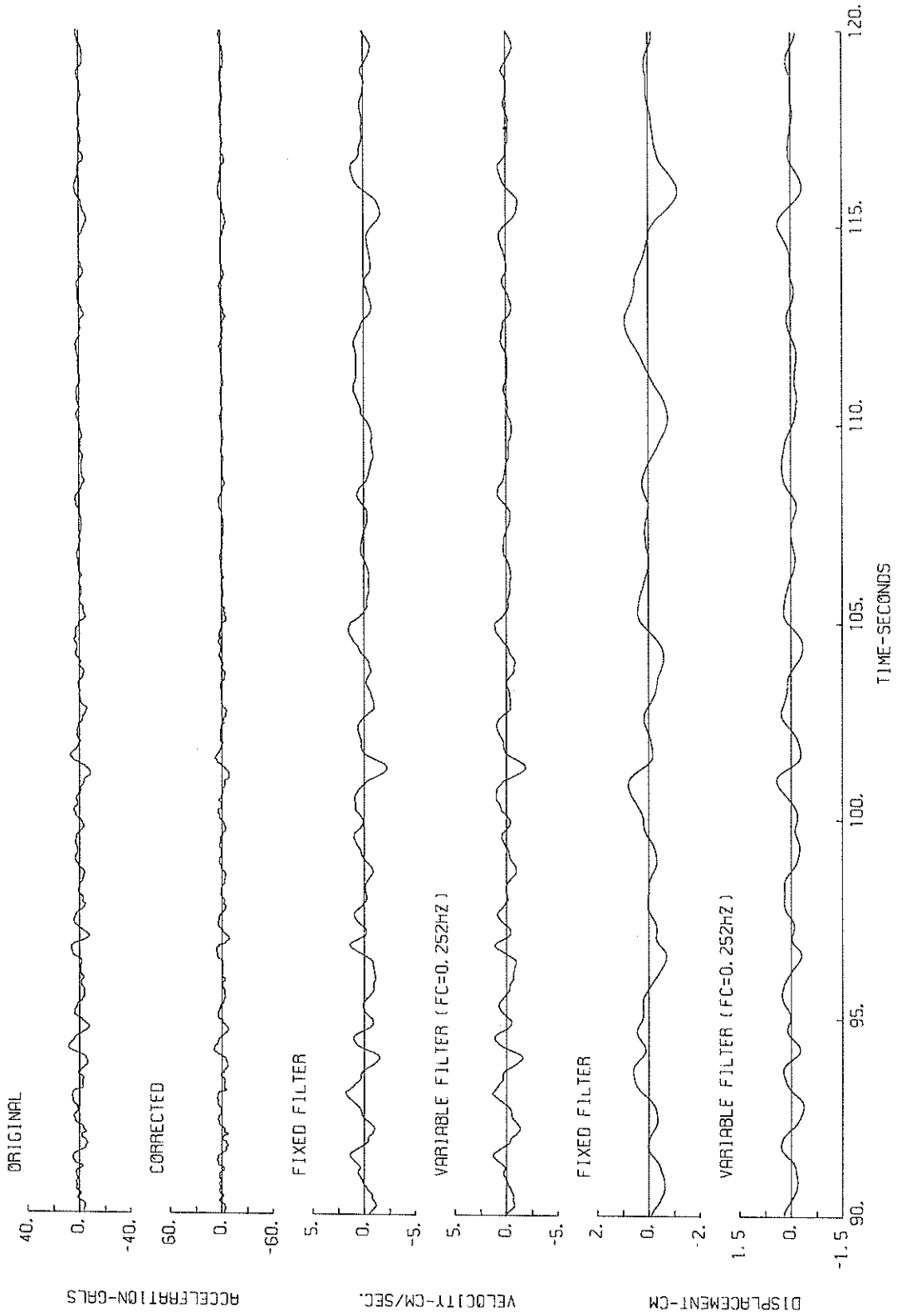
S-1206 SOUTH KASHIMA-ZOKAN-S



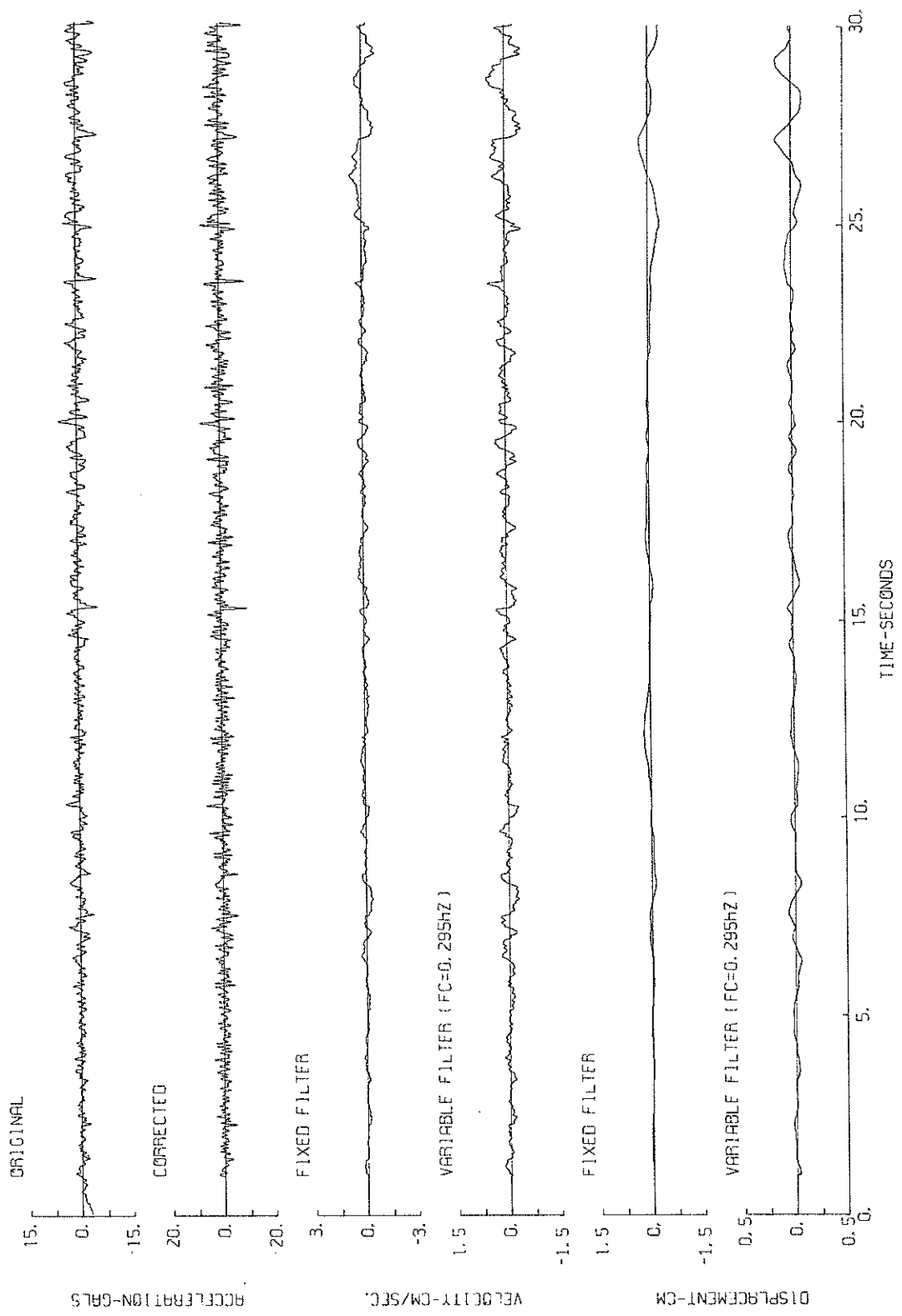
S-1206 SOUTH KASHIMA-ZOKAN-S



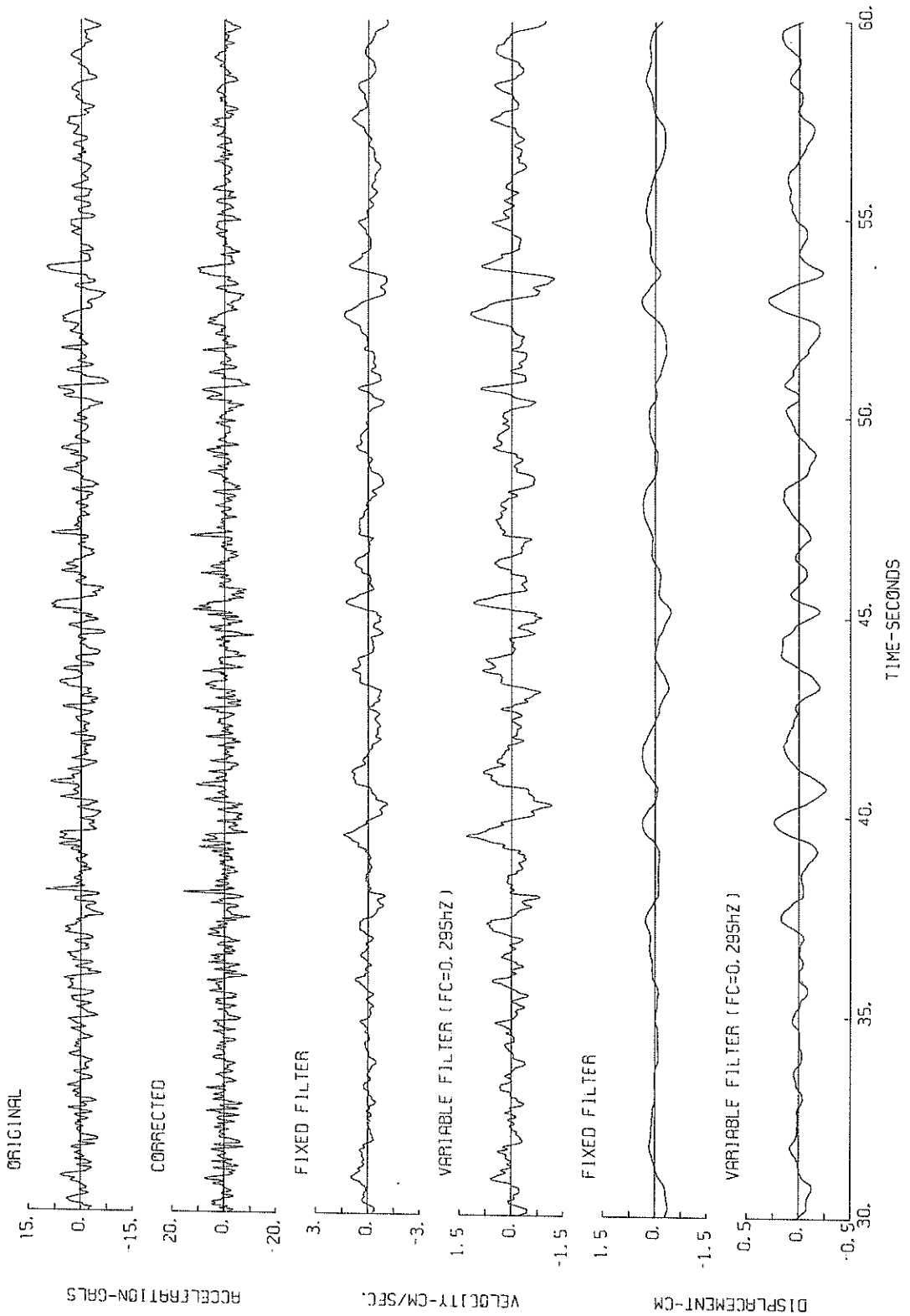
S-1206 SOUTH KASHIMA-ZOKAN-S



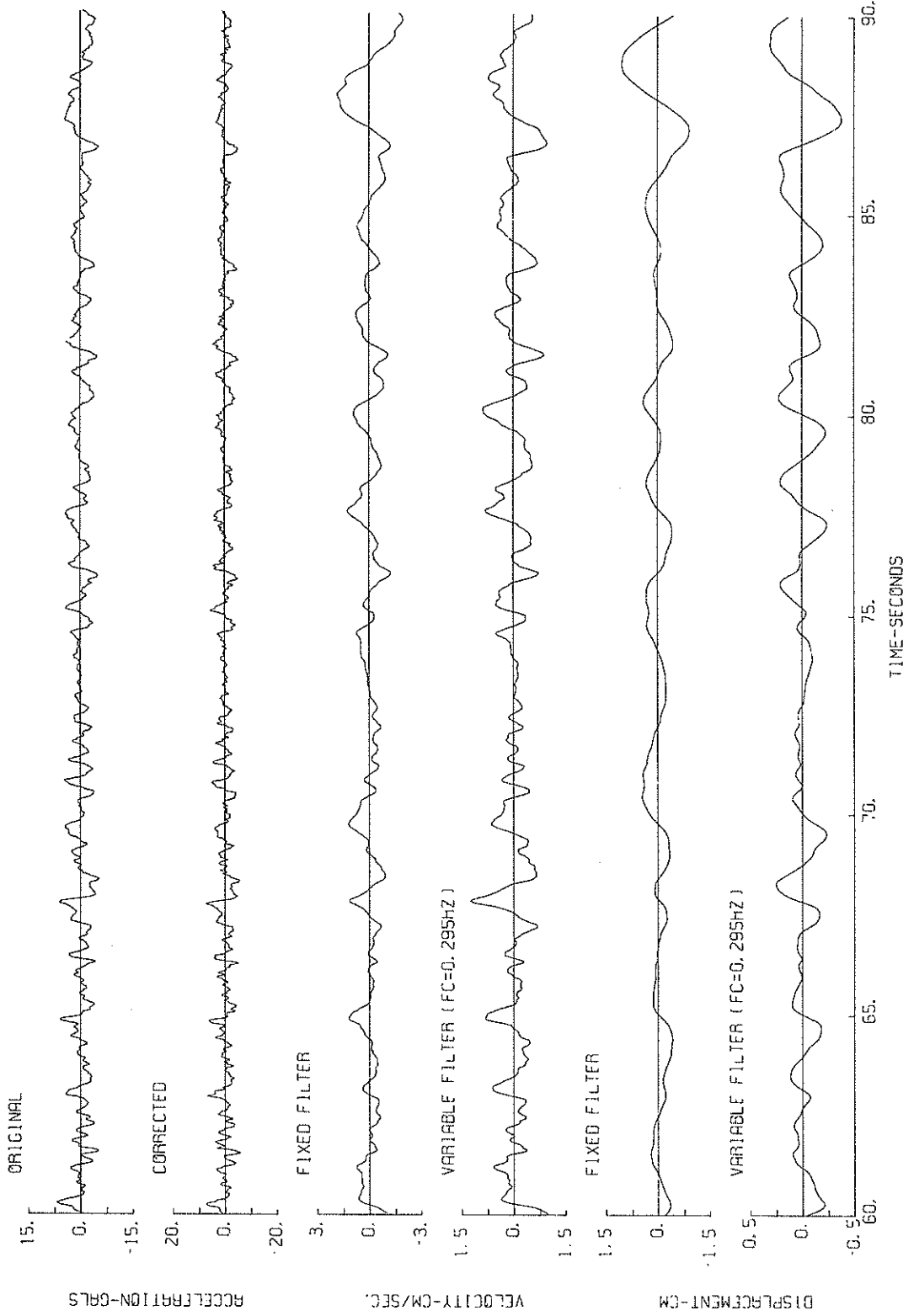
S-1206 DOWN KASHIMA-ZOKAN-S



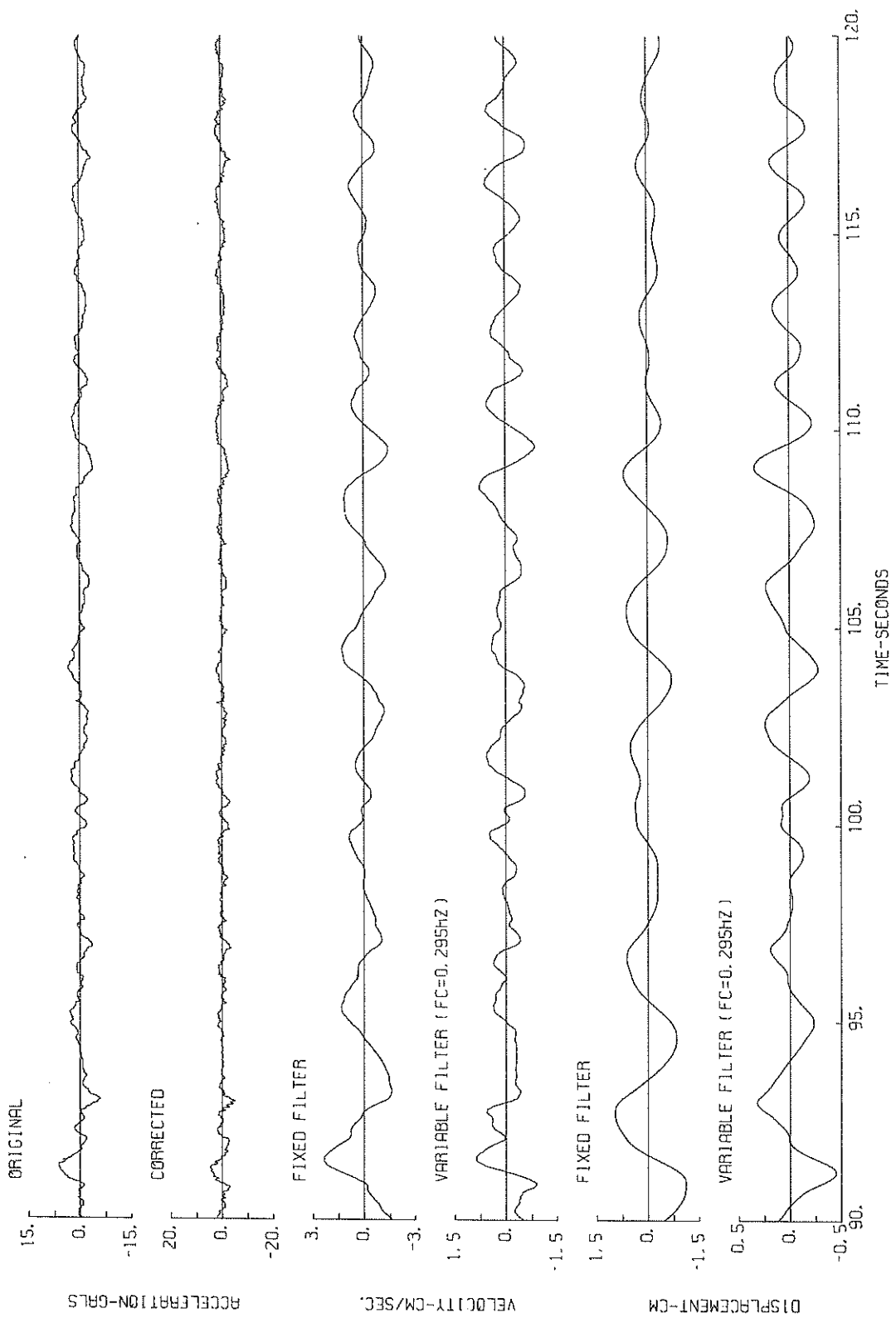
S-1206 DOWN KASHIMA-ZOKAN-S



S-1206 DOWN KASHIMA-ZOKAN-S

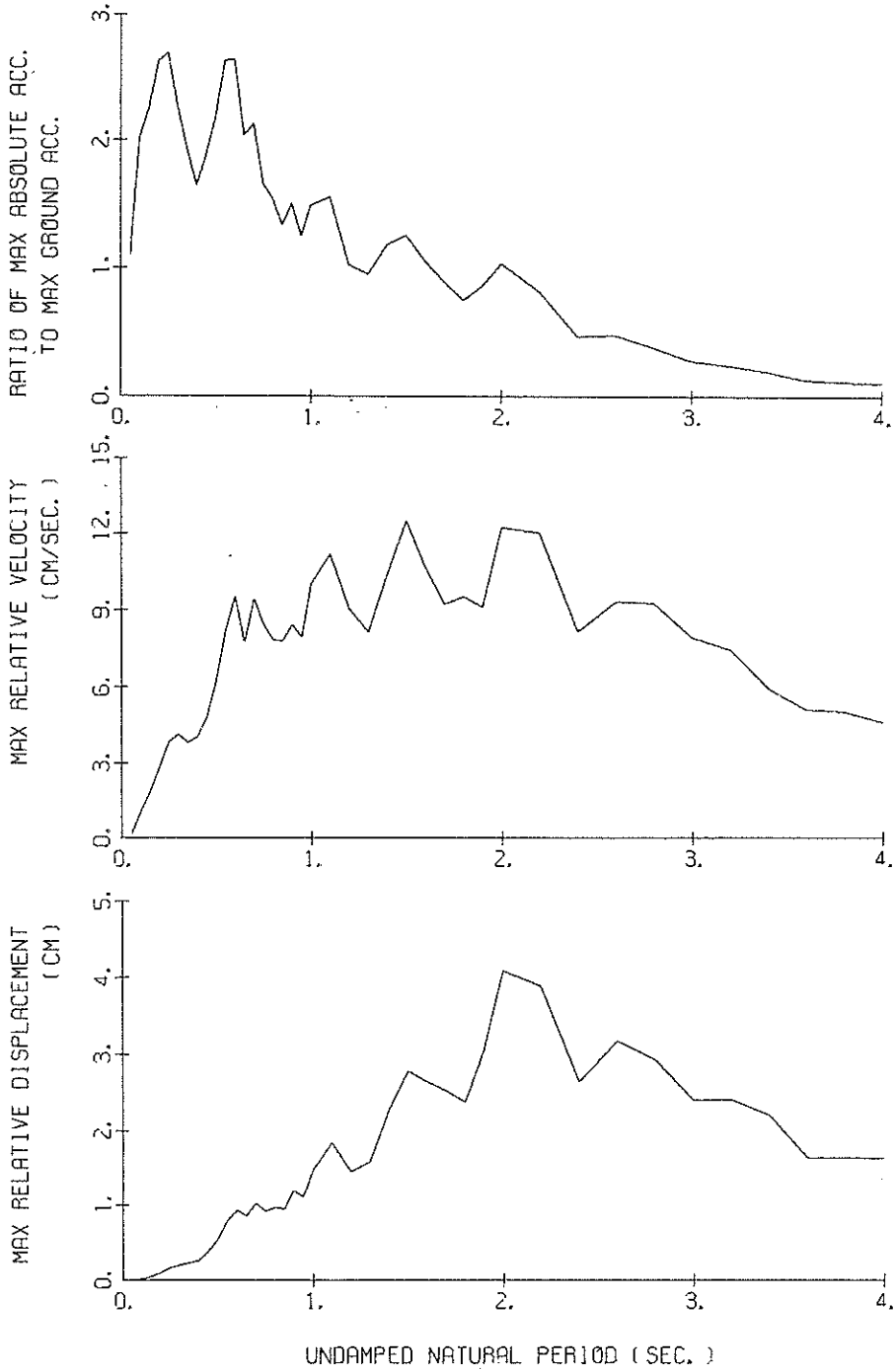


S-1206 DOWN KASHIMA-ZOKAN-S



S-1206 EAST KASHIMA-ZOKAN-S

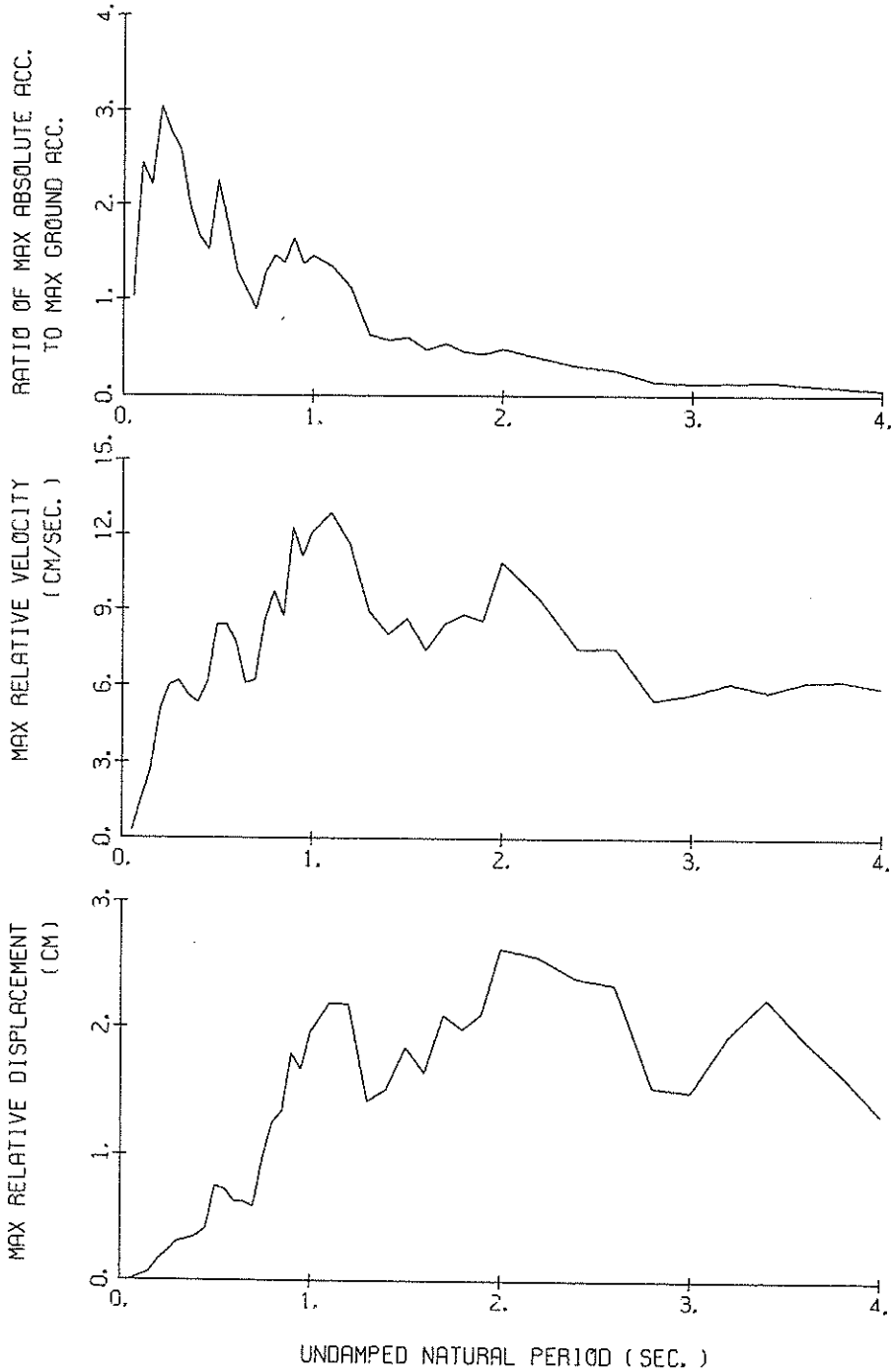
($1/FC=3.79$ sec.)



RESPONSE SPECTRA ($H=0.05$)

S-1206 SOUTH KASHIMA-ZOKAN-S

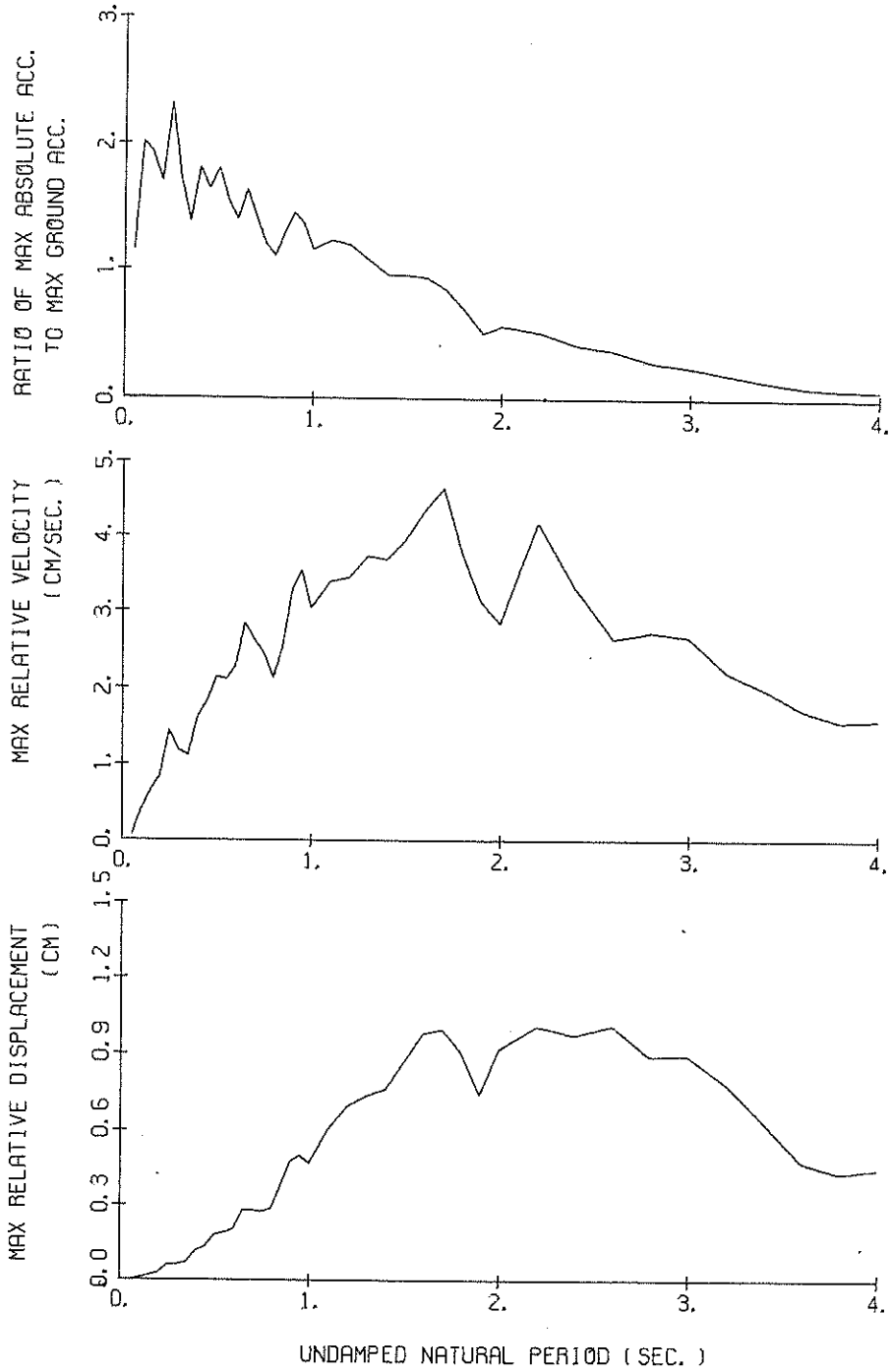
(1/FC=3.97 sec.)



RESPONSE SPECTRA (H=0.05)

S-1206 DOWN KASHIMA-ZOKAN-S

($1/FC=3.39$ sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1206 COMPONENT = EAST SIGNAL = GR. ACC. CORRECTION = STATION = KASHIMA-ZOKAN-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 39.06 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 20.00 (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	70.6	0.37	0.004	42.8	0.15	0.003	42.8	0.13	0.003	42.6	0.11	0.003	41.6	0.10	0.003	
0.10	232.0	3.59	0.059	97.5	1.19	0.025	78.8	1.02	0.020	72.0	0.92	0.018	51.5	0.61	0.012	
0.15	509.4	11.92	0.290	104.5	2.36	0.059	88.2	1.86	0.050	81.7	1.44	0.046	59.0	1.00	0.031	
0.20	385.4	12.04	0.390	126.7	3.67	0.129	102.7	2.83	0.103	76.7	1.96	0.076	53.6	1.22	0.051	
0.25	352.5	13.84	0.558	128.4	4.72	0.203	105.3	3.85	0.166	78.3	2.83	0.122	50.9	1.80	0.073	
0.30	286.1	13.33	0.652	127.9	5.53	0.292	88.8	4.15	0.201	67.0	3.27	0.150	44.2	2.10	0.090	
0.35	220.2	12.14	0.683	100.0	5.28	0.310	75.3	3.83	0.233	59.5	2.83	0.182	46.1	1.98	0.133	
0.40	354.6	21.91	1.437	92.9	5.59	0.376	64.1	4.05	0.259	56.1	3.02	0.224	45.8	1.91	0.170	
0.45	131.9	8.93	0.677	88.1	5.74	0.451	73.4	4.82	0.375	55.6	3.48	0.281	44.1	2.09	0.206	
0.50	412.4	32.78	2.612	116.4	9.31	0.736	85.6	6.24	0.541	63.1	4.35	0.392	44.2	2.59	0.258	
0.55	443.3	38.65	3.396	147.5	12.67	1.128	102.9	8.17	0.785	72.2	5.76	0.544	46.0	3.16	0.320	
0.60	207.4	19.62	1.891	131.6	11.89	1.199	103.3	9.51	0.937	76.3	6.62	0.683	45.3	3.69	0.368	
0.65	166.1	17.22	1.778	76.5	7.49	0.819	79.5	7.72	0.846	67.6	6.69	0.708	41.9	3.94	0.395	
0.70	243.9	28.07	3.027	107.0	11.70	1.327	83.4	9.42	1.029	59.0	6.84	0.716	37.1	3.96	0.401	
0.75	319.6	38.08	4.554	99.9	13.15	1.422	64.5	8.41	0.914	47.3	5.89	0.660	32.1	3.86	0.405	
0.80	253.2	32.13	4.105	83.5	10.74	1.352	60.0	7.82	0.968	44.0	5.40	0.699	30.5	3.73	0.438	
0.85	129.3	17.47	2.367	73.5	10.05	1.343	52.0	7.78	0.947	38.1	5.54	0.683	30.9	3.67	0.495	
0.90	183.3	25.88	3.760	81.3	11.90	1.667	58.6	8.43	1.196	40.1	6.17	0.804	31.1	3.84	0.552	
0.95	145.6	21.99	3.330	67.0	11.11	1.530	48.7	7.93	1.108	42.7	6.84	0.950	30.8	4.00	0.601	
1.00	170.8	26.03	4.325	75.9	13.00	1.921	58.1	10.03	1.463	44.8	7.36	1.106	29.8	4.04	0.636	
1.10	165.9	28.80	5.086	83.3	14.82	2.550	60.5	11.20	1.843	40.9	7.81	1.223	25.8	4.31	0.675	
1.20	75.5	14.18	2.752	47.3	10.28	1.722	39.8	9.02	1.445	33.5	7.09	1.202	23.9	4.33	0.794	
1.30	83.1	17.57	3.558	39.8	9.10	1.700	37.2	8.13	1.584	33.1	7.13	1.387	23.3	4.63	0.919	
1.40	64.1	14.73	3.180	53.2	11.67	2.639	46.1	10.41	2.274	34.9	8.14	1.706	22.9	4.83	1.043	
1.50	107.9	26.43	6.148	63.5	16.25	3.615	49.1	12.52	2.783	36.1	8.96	2.013	22.4	5.09	1.138	
1.60	93.6	22.83	6.070	48.9	12.31	3.165	41.0	10.67	2.645	32.7	8.11	2.080	21.1	5.13	1.202	
1.70	93.4	25.78	6.837	49.0	13.33	3.585	34.8	9.23	2.526	28.3	7.48	2.016	19.2	4.97	1.237	
1.80	45.3	14.12	3.721	34.7	11.58	2.844	29.0	9.52	2.372	24.9	7.16	2.003	17.8	4.80	1.263	
1.90	55.1	17.28	5.041	39.1	11.43	3.575	33.6	9.09	3.058	26.2	7.60	2.368	18.3	5.12	1.419	
2.00	63.6	18.21	6.445	51.7	15.41	5.234	40.5	12.25	4.080	27.9	8.57	2.755	18.2	5.28	1.537	
2.20	64.3	23.26	7.860	40.0	14.95	4.897	31.8	12.02	3.883	23.8	8.88	2.831	16.6	5.25	1.634	
2.40	33.7	13.84	4.910	22.6	9.69	3.288	18.2	8.15	2.641	15.9	7.84	2.294	14.1	5.47	1.593	
2.60	47.2	21.67	8.078	25.5	12.25	4.362	18.6	9.32	3.167	14.3	7.89	2.390	11.6	5.80	1.505	
2.80	25.6	12.21	5.084	17.9	10.22	3.554	14.9	9.26	2.926	11.8	7.98	2.268	9.4	5.91	1.464	
3.00	17.3	10.24	3.955	12.9	8.86	2.926	10.7	7.91	2.397	9.1	7.27	1.994	7.9	5.84	1.467	
3.20	13.2	8.84	3.427	10.8	8.11	2.805	9.3	7.45	2.405	8.0	6.76	1.991	7.1	5.67	1.453	
3.40	11.8	6.22	3.460	8.9	6.53	2.588	7.6	5.95	2.204	6.6	5.99	1.855	6.3	5.46	1.416	
3.60	7.3	6.58	2.395	5.3	5.69	1.748	5.0	5.12	1.631	5.2	5.37	1.646	5.5	5.23	1.367	
3.80	5.7	6.25	2.072	4.7	5.30	1.720	4.5	5.05	1.630	4.4	5.05	1.646	4.9	5.02	1.316	
4.00	5.3	5.58	2.161	4.5	4.87	1.803	4.1	4.66	1.625	3.7	4.75	1.472	4.4	4.84	1.268	

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

RESPONSE SPECTRUM

RECORD = S-1206 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = STATION = KASHIMA-ZOKAN-S
 DATE AND TIME = 1978-06-12-17-14 SAMPLING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 53.41 (GAL)
 TIME LENGTH = 40.00 (SEC) SKIPPED LENGTH = 20.00 (SEC)

PER	DAMPING = 0.			DAMPING = 0.025			DAMPING = 0.050			DAMPING = 0.100			DAMPING = 0.250		
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	99.4	0.51	0.006	53.9	0.23	0.003	53.6	0.22	0.003	54.0	0.20	0.003	55.6	0.17	0.004
0.10	415.5	6.27	0.105	156.1	1.94	0.040	130.8	1.49	0.033	103.0	1.04	0.026	73.6	0.64	0.018
0.15	381.9	8.83	0.218	172.9	4.10	0.098	117.9	2.69	0.066	89.8	2.03	0.050	73.4	1.19	0.039
0.20	599.1	18.85	0.607	213.2	6.45	0.215	162.4	5.03	0.164	118.8	3.37	0.119	82.5	2.03	0.077
0.25	687.7	27.32	1.089	219.0	8.93	0.346	148.2	6.02	0.235	101.7	3.69	0.158	73.7	2.37	0.109
0.30	556.5	25.80	1.269	152.7	7.11	0.348	138.4	6.16	0.313	113.0	4.63	0.253	79.0	2.48	0.163
0.35	188.6	10.46	0.585	131.8	7.98	0.409	106.5	5.59	0.329	93.4	4.47	0.283	73.3	3.13	0.200
0.40	272.3	16.78	1.104	124.9	7.43	0.505	88.7	5.33	0.359	75.2	4.38	0.298	64.8	3.52	0.229
0.45	273.0	18.44	1.400	111.1	8.17	0.570	81.3	6.11	0.416	75.3	5.27	0.381	58.5	3.99	0.259
0.50	160.2	14.40	1.014	139.2	9.77	0.880	120.4	8.40	0.757	88.6	6.49	0.547	51.9	4.44	0.289
0.55	271.4	24.66	2.080	112.9	9.80	0.865	95.8	8.40	0.730	75.9	6.64	0.567	47.7	4.64	0.308
0.60	224.7	21.21	2.049	85.2	9.09	0.776	69.2	7.70	0.629	55.8	6.27	0.499	40.3	4.62	0.313
0.65	263.6	26.53	2.821	78.7	7.64	0.840	58.8	6.08	0.626	43.1	5.64	0.459	35.0	4.51	0.319
0.70	114.5	12.30	1.421	69.1	8.07	0.855	47.7	6.20	0.588	43.0	5.72	0.527	33.0	4.45	0.369
0.75	154.3	17.84	2.198	91.5	11.05	1.301	68.5	8.52	0.970	47.0	6.10	0.660	32.6	4.41	0.440
0.80	285.5	36.39	4.628	108.6	13.46	1.759	77.8	9.72	1.256	51.4	6.52	0.818	34.9	4.26	0.534
0.85	90.1	13.33	1.648	90.7	11.45	1.658	73.6	8.72	1.341	54.3	6.96	0.982	37.4	4.37	0.639
0.90	277.8	38.78	5.699	124.0	17.23	2.541	87.7	12.27	1.789	60.2	8.94	1.218	39.2	4.74	0.745
0.95	130.7	19.84	2.987	84.7	13.39	1.935	73.1	11.14	1.663	60.4	8.94	1.358	40.1	4.98	0.841
1.00	166.2	26.21	4.210	96.6	15.29	2.444	77.7	12.10	1.959	61.2	9.36	1.523	40.2	5.06	0.924
1.10	165.2	29.77	5.064	102.5	19.12	3.137	71.7	12.88	2.184	57.7	10.06	1.728	38.3	5.48	1.037
1.20	98.8	19.31	3.603	75.0	14.31	2.732	60.0	11.59	2.175	46.7	8.73	1.657	34.4	5.52	1.081
1.30	66.1	15.98	2.828	38.4	10.00	1.640	33.4	8.93	1.420	32.1	7.16	1.340	30.2	5.56	1.089
1.40	80.3	18.59	3.985	42.2	9.92	2.092	30.7	8.01	1.514	27.1	6.41	1.308	26.8	5.60	1.100
1.50	55.3	13.38	3.150	39.2	10.39	2.231	32.5	8.66	1.842	27.2	6.86	1.511	24.1	5.71	1.122
1.60	53.7	13.40	3.484	31.8	8.06	2.057	25.4	7.38	1.641	25.0	7.14	1.583	21.8	5.87	1.143
1.70	55.8	16.84	4.085	35.9	10.68	2.622	28.7	8.44	2.091	23.7	7.59	1.694	19.7	6.03	1.153
1.80	40.9	12.84	3.360	29.6	9.65	2.425	24.3	8.81	1.981	21.8	7.95	1.735	17.5	6.16	1.149
1.90	28.5	9.18	2.608	25.8	8.88	2.355	23.1	8.55	2.098	20.0	8.21	1.763	15.4	6.22	1.124
2.00	58.8	18.95	5.956	34.5	12.68	3.492	26.0	10.89	2.622	18.7	8.66	1.843	14.4	6.20	1.150
2.20	48.9	19.42	6.000	28.5	12.91	3.488	20.9	9.41	2.548	16.8	7.61	1.975	12.8	5.91	1.185
2.40	37.1	15.74	5.407	20.6	9.81	3.007	16.4	7.42	2.381	13.2	5.88	1.836	10.9	5.55	1.160
2.60	26.5	12.90	4.543	17.8	9.30	3.045	13.7	7.44	2.329	10.1	5.63	1.697	9.6	5.32	1.156
2.80	10.8	6.89	2.153	7.8	5.55	1.535	7.9	5.44	1.529	8.0	5.45	1.509	8.7	5.16	1.184
3.00	7.7	5.94	1.757	6.9	5.67	1.554	6.7	5.69	1.496	6.6	5.48	1.411	8.0	5.01	1.227
3.20	12.1	8.32	3.144	8.5	6.89	2.185	7.6	6.10	1.935	6.8	5.40	1.642	7.5	4.84	1.265
3.40	11.9	7.91	3.478	9.1	6.44	2.662	7.7	5.75	2.226	6.5	5.13	1.768	6.9	4.62	1.280
3.60	5.4	6.83	1.785	6.1	6.51	1.977	5.9	6.15	1.909	5.6	5.49	1.671	6.3	4.50	1.266
3.80	6.1	7.26	2.222	5.0	6.63	1.802	4.6	6.20	1.633	4.5	5.58	1.478	5.8	4.58	1.229
4.00	5.4	6.89	2.204	4.0	6.30	1.635	3.3	5.93	1.326	3.5	5.46	1.251	5.2	4.62	1.180

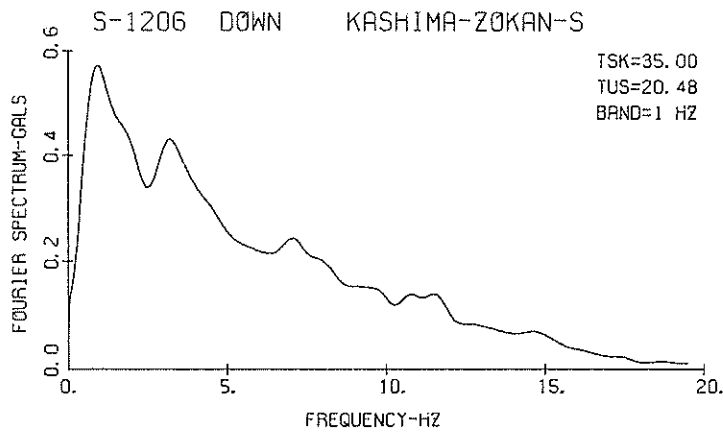
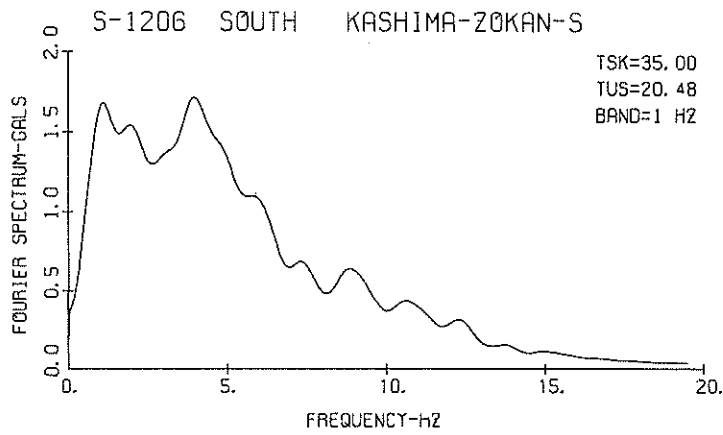
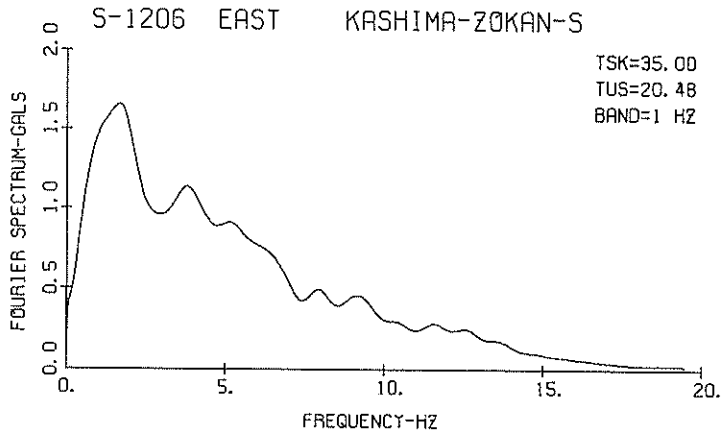
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1206
 DATE AND TIME = 1978-06-12-17-14
 TIME LENGTH = 40.00 (SEC)
 COMPONENT = DOWN
 SIGNAL = GR. ACC.
 CORRECTION =
 SAMPRING INTERVAL = 0.0100 (SEC)
 MAX. GROUND ACC. =
 SKIPPED LENGTH = 20.00 (SEC)
 STATION = KASHIMA-ZOKAN-S
 16.11 (GAL)

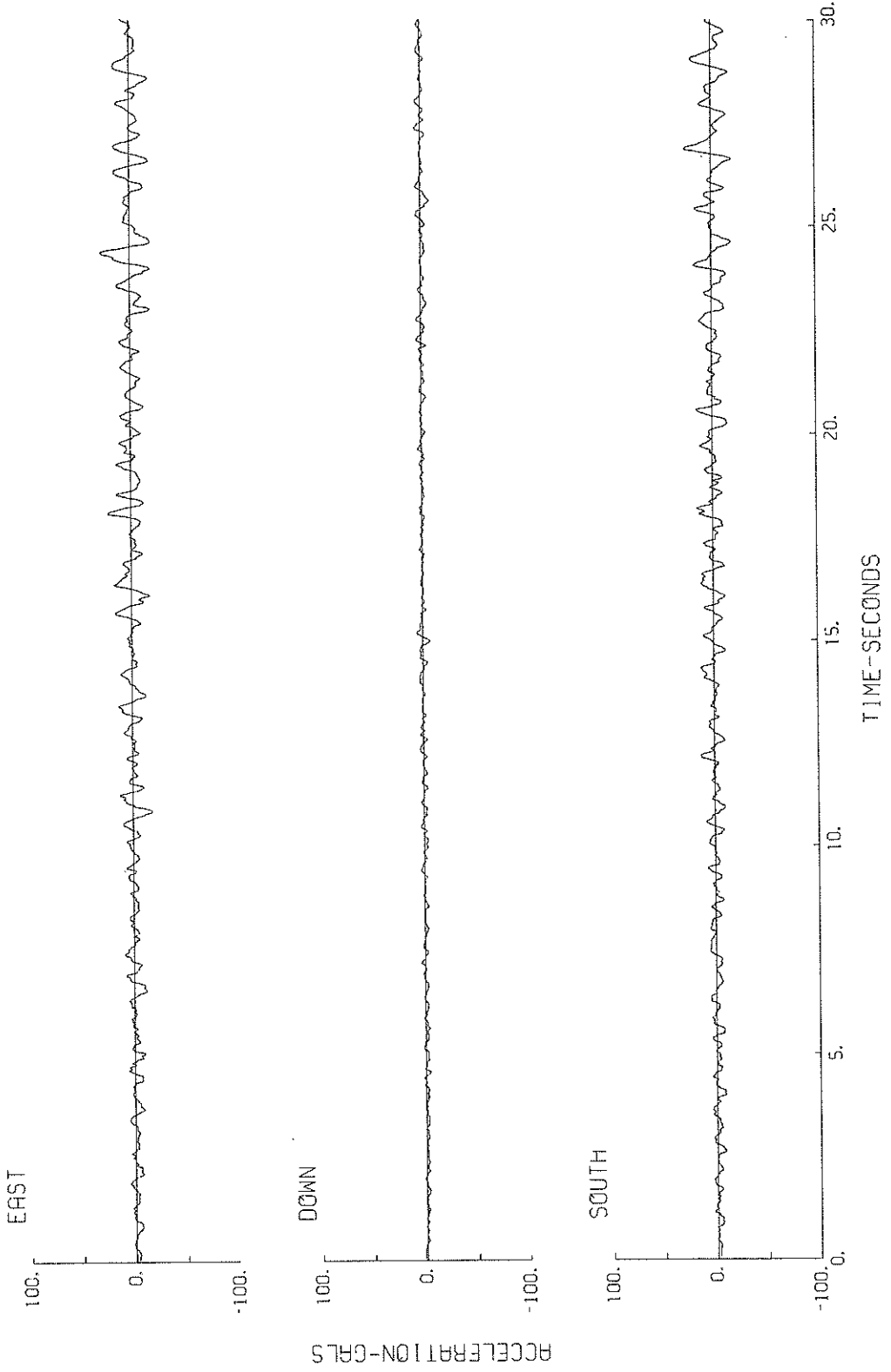
PER	DAMPING = 0.				DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250				
	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	39.3	0.26	0.002	17.8	0.07	0.001	18.2	0.06	0.001	0.001	18.4	0.05	0.001	0.001	18.4	0.05	0.001	0.001	18.2	0.04	0.001
0.10	195.2	3.07	0.049	41.8	0.55	0.011	32.4	0.41	0.008	0.008	24.9	0.28	0.006	0.006	20.6	0.28	0.006	0.006	20.6	0.18	0.005
0.15	75.0	1.79	0.043	36.5	0.80	0.021	30.9	0.66	0.018	0.018	23.9	0.49	0.013	0.013	21.5	0.49	0.013	0.013	21.5	0.34	0.011
0.20	126.1	3.96	0.128	34.5	1.13	0.035	27.4	0.85	0.028	0.028	27.0	0.77	0.027	0.027	22.3	0.77	0.027	0.027	22.3	0.50	0.020
0.30	129.5	7.44	0.302	47.3	1.88	0.075	37.5	1.45	0.059	0.059	29.5	1.06	0.046	0.046	20.1	1.06	0.046	0.046	20.1	0.67	0.028
0.35	73.7	6.17	0.295	37.2	1.67	0.085	27.7	1.18	0.063	0.063	20.8	0.85	0.047	0.047	15.1	0.85	0.047	0.047	15.1	0.70	0.032
0.40	65.8	4.11	0.229	29.3	1.51	0.091	22.3	1.12	0.069	0.069	19.3	0.84	0.059	0.059	14.8	0.84	0.059	0.059	14.8	0.68	0.044
0.45	72.4	4.97	0.267	30.8	1.78	0.125	29.1	1.62	0.118	0.118	23.5	1.22	0.094	0.094	16.0	1.22	0.094	0.094	16.0	0.73	0.062
0.50	66.3	5.20	0.420	31.7	2.16	0.162	26.3	1.83	0.134	0.134	21.3	1.45	0.107	0.107	16.3	1.45	0.107	0.107	16.3	0.90	0.078
				36.8	2.70	0.233	29.1	2.14	0.184	0.184	21.2	1.56	0.132	0.132	15.8	1.56	0.132	0.132	15.8	1.00	0.092
0.55	44.5	3.94	0.341	31.5	2.75	0.241	25.0	2.10	0.191	0.191	19.5	1.58	0.148	0.148	15.0	1.58	0.148	0.148	15.0	1.04	0.105
0.60	62.5	5.91	0.570	26.4	2.74	0.240	22.5	2.27	0.204	0.204	19.2	1.83	0.171	0.171	14.1	1.83	0.171	0.171	14.1	1.14	0.116
0.65	92.4	9.48	0.989	37.6	3.88	0.402	26.2	2.84	0.279	0.279	19.6	2.04	0.206	0.206	13.5	2.04	0.206	0.206	13.5	1.23	0.131
0.70	62.8	7.07	0.779	25.5	2.91	0.316	22.7	2.62	0.280	0.280	18.6	2.07	0.225	0.225	13.4	2.07	0.225	0.225	13.4	1.27	0.147
0.75	76.3	8.96	1.087	25.5	3.28	0.363	19.4	2.44	0.274	0.274	17.2	1.93	0.239	0.239	12.9	1.93	0.239	0.239	12.9	1.29	0.160
0.80	59.3	7.40	0.961	23.3	2.97	0.377	17.8	2.13	0.287	0.287	16.3	2.01	0.259	0.259	12.2	2.01	0.259	0.259	12.2	1.30	0.171
0.85	36.5	4.71	0.668	24.0	3.23	0.440	20.9	2.54	0.380	0.380	16.4	2.01	0.294	0.294	11.4	2.01	0.294	0.294	11.4	1.36	0.180
0.90	50.1	7.26	1.028	23.4	3.27	0.478	15.8	2.26	0.317	0.317	10.6	1.83	0.233	0.233	10.9	1.83	0.233	0.233	10.9	1.49	0.221
0.95	50.0	7.04	1.143	27.7	4.25	0.630	23.4	3.27	0.478	0.478	15.8	2.26	0.317	0.317	10.6	2.26	0.317	0.317	10.6	1.43	0.193
1.00	44.7	7.11	1.132	25.7	4.07	0.632	22.0	3.55	0.500	0.500	14.4	2.42	0.323	0.323	10.9	2.42	0.323	0.323	10.9	1.49	0.221
				26.1	4.51	0.799	18.6	3.04	0.470	0.470	14.2	2.22	0.351	0.351	11.3	2.22	0.351	0.351	11.3	1.52	0.251
1.10	48.5	11.31	2.100	26.1	4.51	0.799	19.8	3.39	0.604	0.604	15.4	2.59	0.459	0.459	11.5	2.59	0.459	0.459	11.5	1.53	0.305
1.20	55.7	10.90	2.033	24.6	4.47	0.895	19.2	3.44	0.695	0.695	14.5	2.76	0.517	0.517	11.2	2.76	0.517	0.517	11.2	1.70	0.346
1.30	50.6	10.13	2.166	22.7	4.58	0.969	17.2	3.74	0.735	0.735	13.4	2.79	0.562	0.562	10.5	2.79	0.562	0.562	10.5	1.97	0.377
1.40	45.5	9.48	2.260	21.5	5.14	1.068	15.4	3.68	0.759	0.759	12.7	2.84	0.617	0.617	9.6	2.84	0.617	0.617	9.6	2.19	0.398
1.50	25.7	6.44	1.464	17.7	4.59	1.006	15.4	3.96	0.871	0.871	12.5	3.34	0.695	0.695	8.6	3.34	0.695	0.695	8.6	2.37	0.409
1.60	37.4	9.91	2.425	18.9	4.90	1.221	15.2	4.35	0.979	0.979	11.6	3.64	0.735	0.735	7.5	3.64	0.735	0.735	7.5	2.47	0.406
1.70	25.1	7.58	1.836	17.1	5.52	1.249	13.7	4.66	0.995	0.995	10.1	3.67	0.714	0.714	6.4	3.67	0.714	0.714	6.4	2.49	0.414
1.80	16.1	4.85	1.322	12.6	4.17	1.030	11.1	3.77	0.905	0.905	8.6	3.26	0.692	0.692	5.9	3.26	0.692	0.692	5.9	2.45	0.439
1.90	17.7	5.94	1.616	10.2	4.00	0.930	8.1	3.13	0.740	0.740	7.3	2.71	0.643	0.643	5.6	2.71	0.643	0.643	5.6	2.38	0.458
2.00	16.8	5.38	1.705	12.5	3.66	1.266	9.1	2.84	0.917	0.917	6.7	2.45	0.657	0.657	5.2	2.45	0.657	0.657	5.2	2.29	0.474
2.20	22.9	7.99	2.803	12.0	5.25	1.467	8.3	4.19	1.008	1.008	6.0	3.11	0.708	0.708	4.9	3.11	0.708	0.708	4.9	2.12	0.507
2.40	9.2	4.58	1.340	7.6	3.75	1.111	6.7	3.31	0.972	0.972	5.2	2.77	0.725	0.725	4.5	2.77	0.725	0.725	4.5	1.98	0.529
2.60	15.5	6.81	1.651	7.9	3.40	1.350	6.0	2.64	1.011	1.011	4.8	2.18	0.779	0.779	4.0	2.18	0.779	0.779	4.0	1.84	0.529
2.80	6.4	3.46	1.265	4.6	2.96	0.918	4.5	2.74	0.887	0.887	4.0	2.23	0.733	0.733	3.5	2.23	0.733	0.733	3.5	1.72	0.505
3.00	6.7	4.07	1.521	4.8	3.11	1.082	4.0	2.67	0.894	0.894	3.2	2.19	0.698	0.698	3.0	2.19	0.698	0.698	3.0	1.62	0.461
3.20	3.1	2.24	0.800	3.3	2.28	0.841	3.1	2.21	0.786	0.786	2.7	1.99	0.664	0.664	2.5	1.99	0.664	0.664	2.5	1.51	0.460
3.40	2.7	2.62	0.796	2.3	2.20	0.679	2.2	1.99	0.635	0.635	2.1	1.75	0.582	0.582	2.2	1.75	0.582	0.582	2.2	1.47	0.453
3.60	1.7	1.82	0.561	1.4	1.73	0.447	1.5	1.72	0.478	0.478	1.6	1.64	0.502	0.502	1.9	1.64	0.502	0.502	1.9	1.43	0.440
3.80	1.2	1.70	0.434	1.1	1.59	0.417	1.2	1.58	0.434	0.434	1.4	1.57	0.458	0.458	1.7	1.57	0.458	0.458	1.7	1.43	0.426
4.00	1.3	1.74	0.536	1.2	1.59	0.482	1.1	1.60	0.449	0.449	1.2	1.58	0.443	0.443	1.6	1.58	0.443	0.443	1.6	1.44	0.414

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

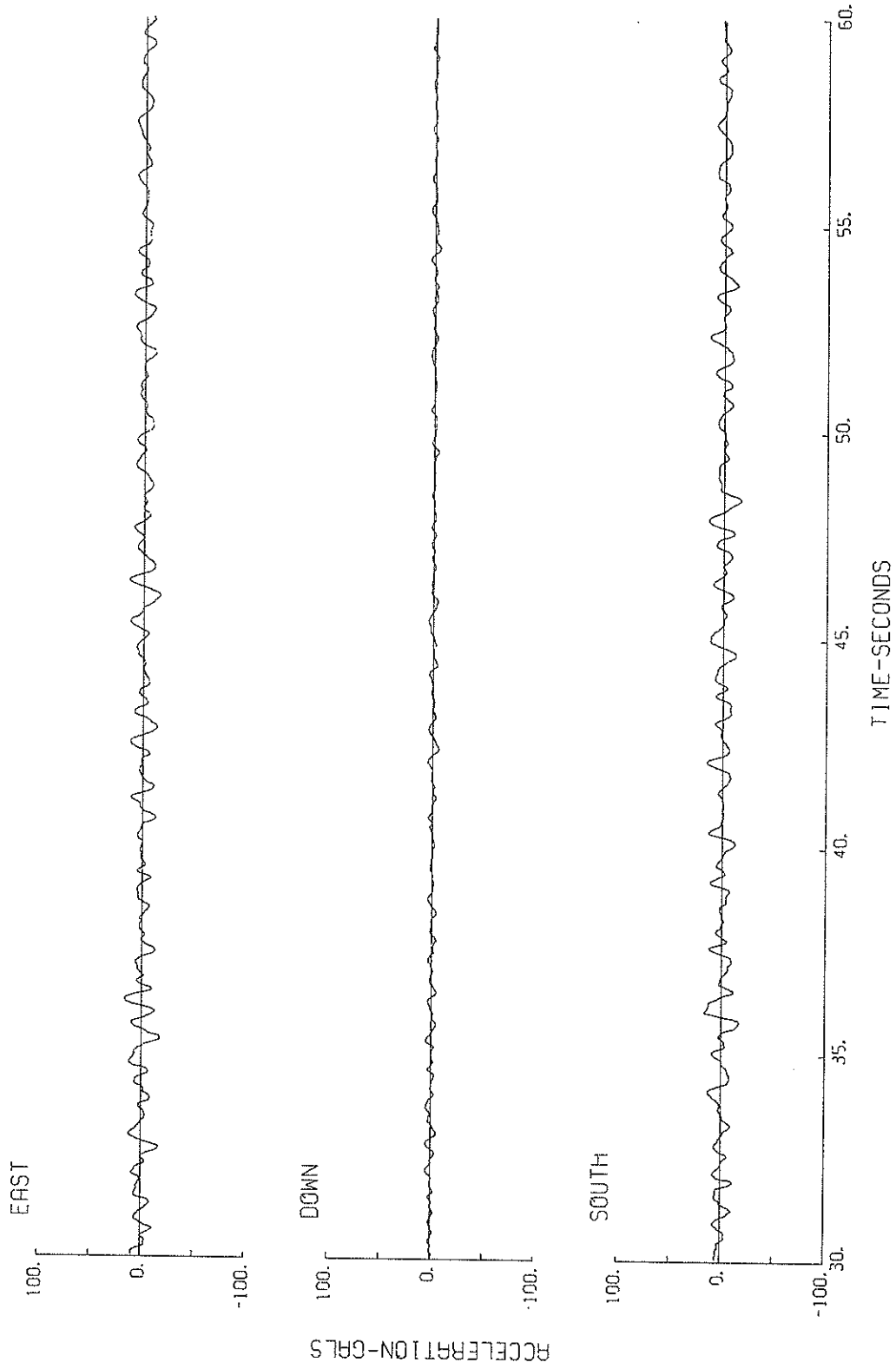


FOURIER SPECTRA

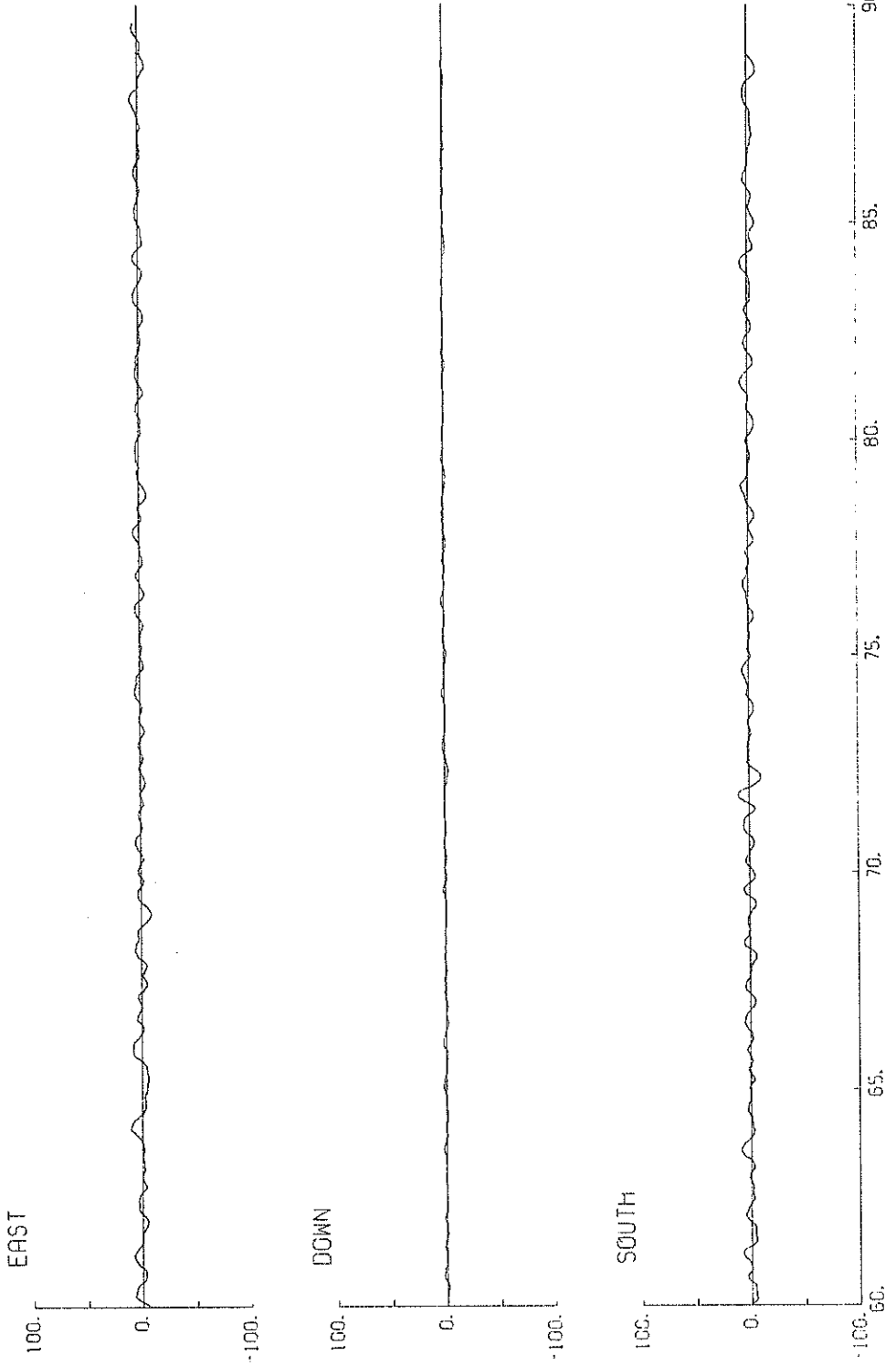
S-1195 CHIBA-S



S-1195 CHIBA-S

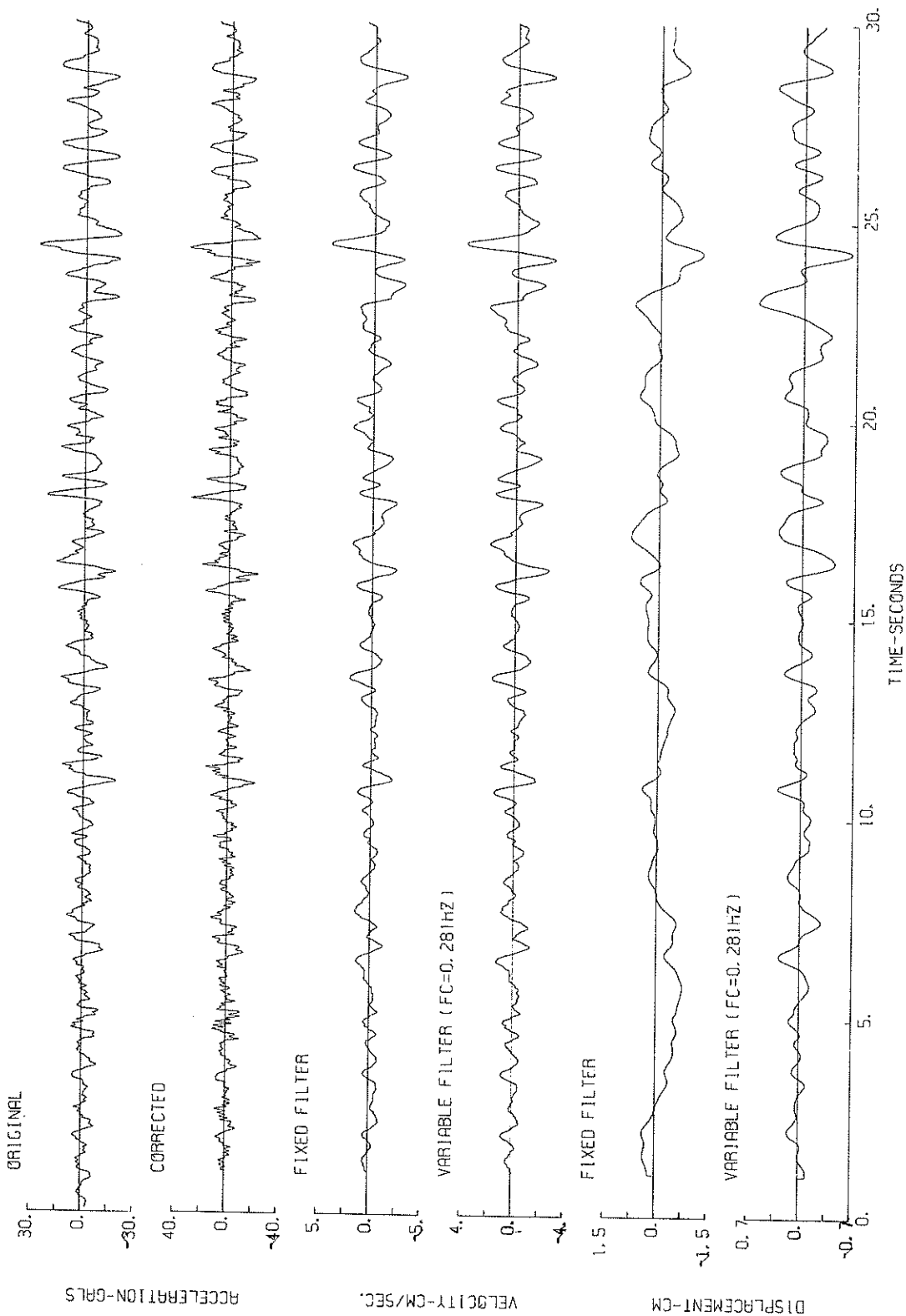


S-1195 CHIBA-S

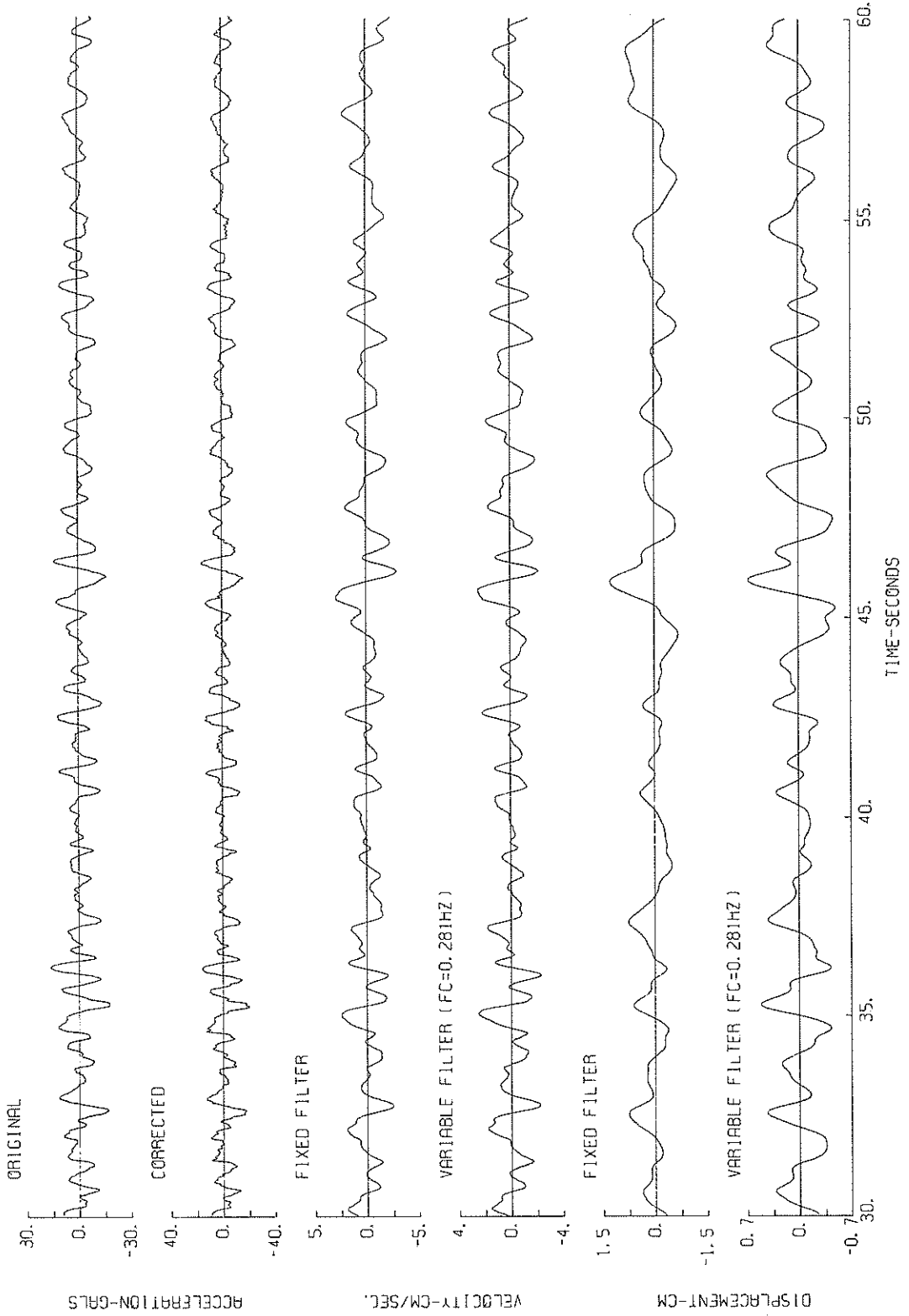


ACCELERATION-CRLS

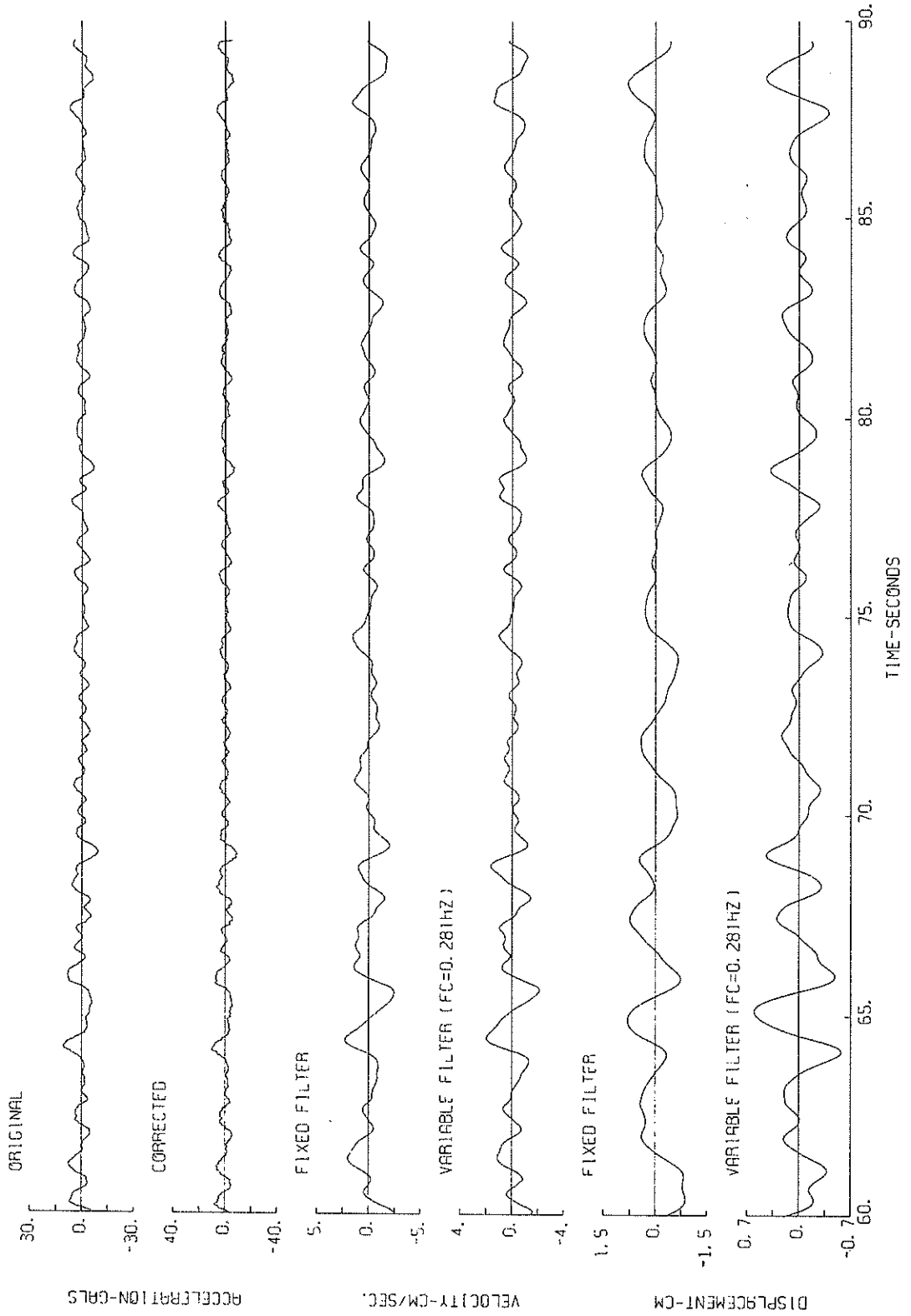
S-1195 EAST CHIBA-S



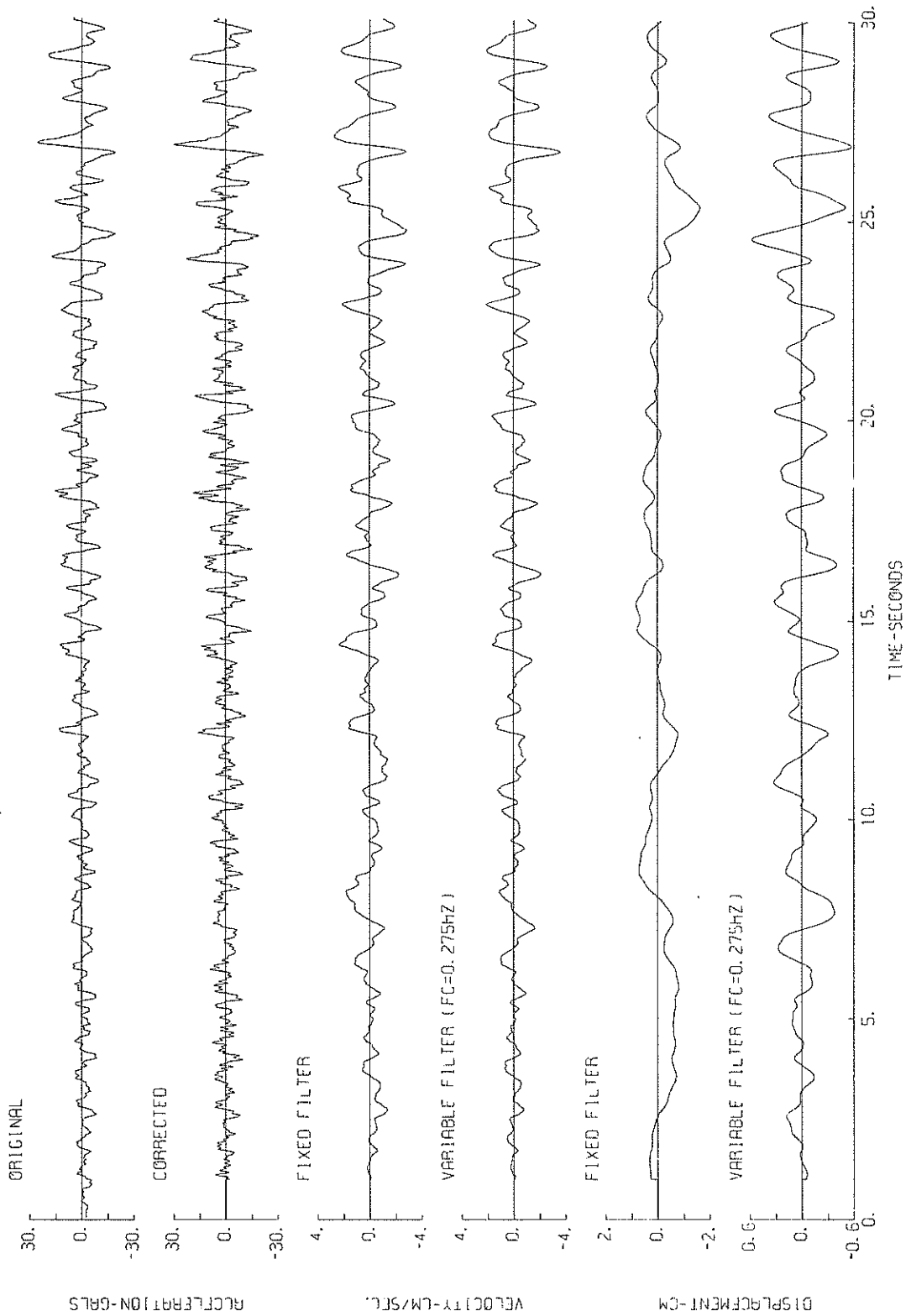
S-1195 EAST CHIBA-S



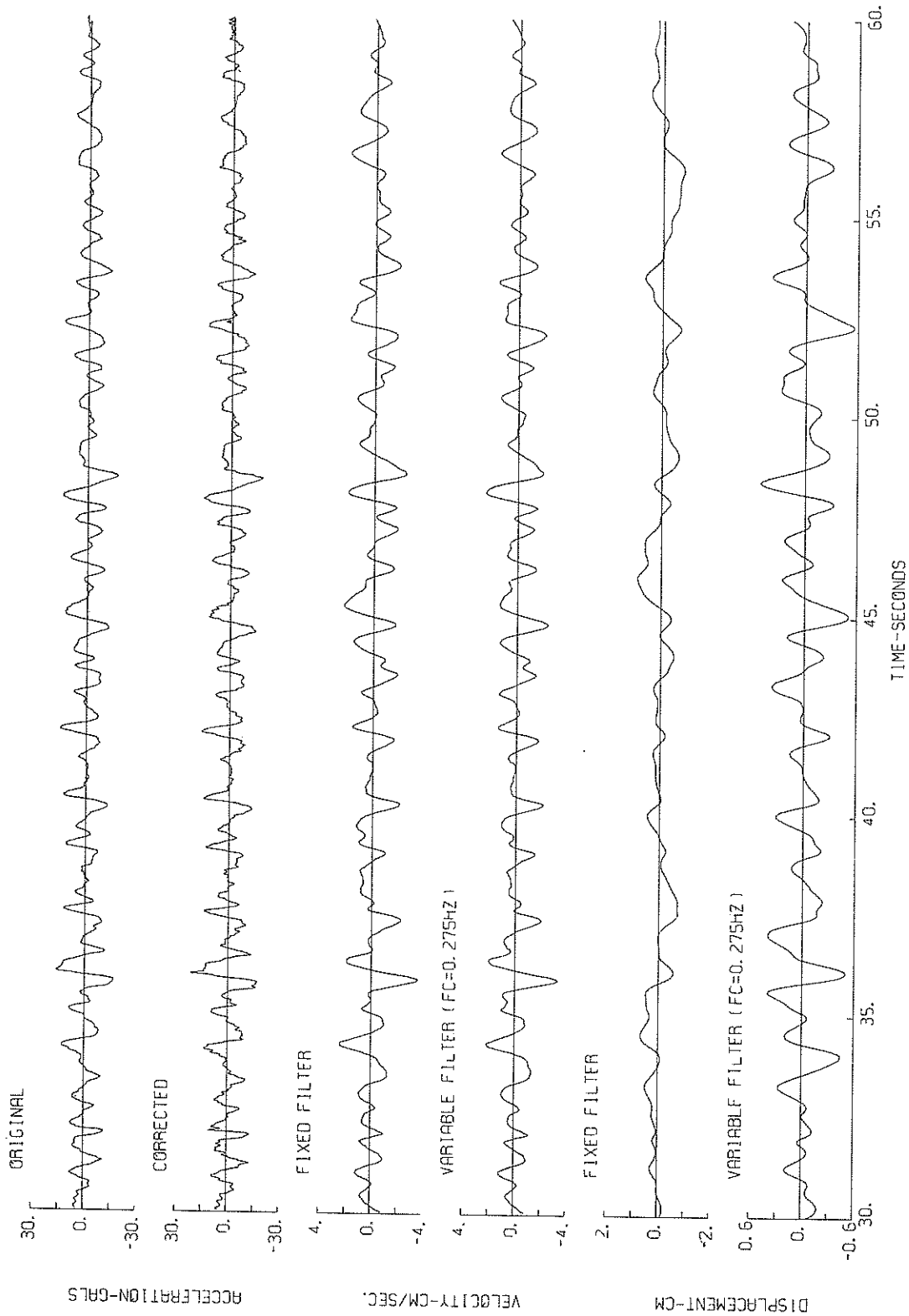
S-1195 EAST CHIBA-S



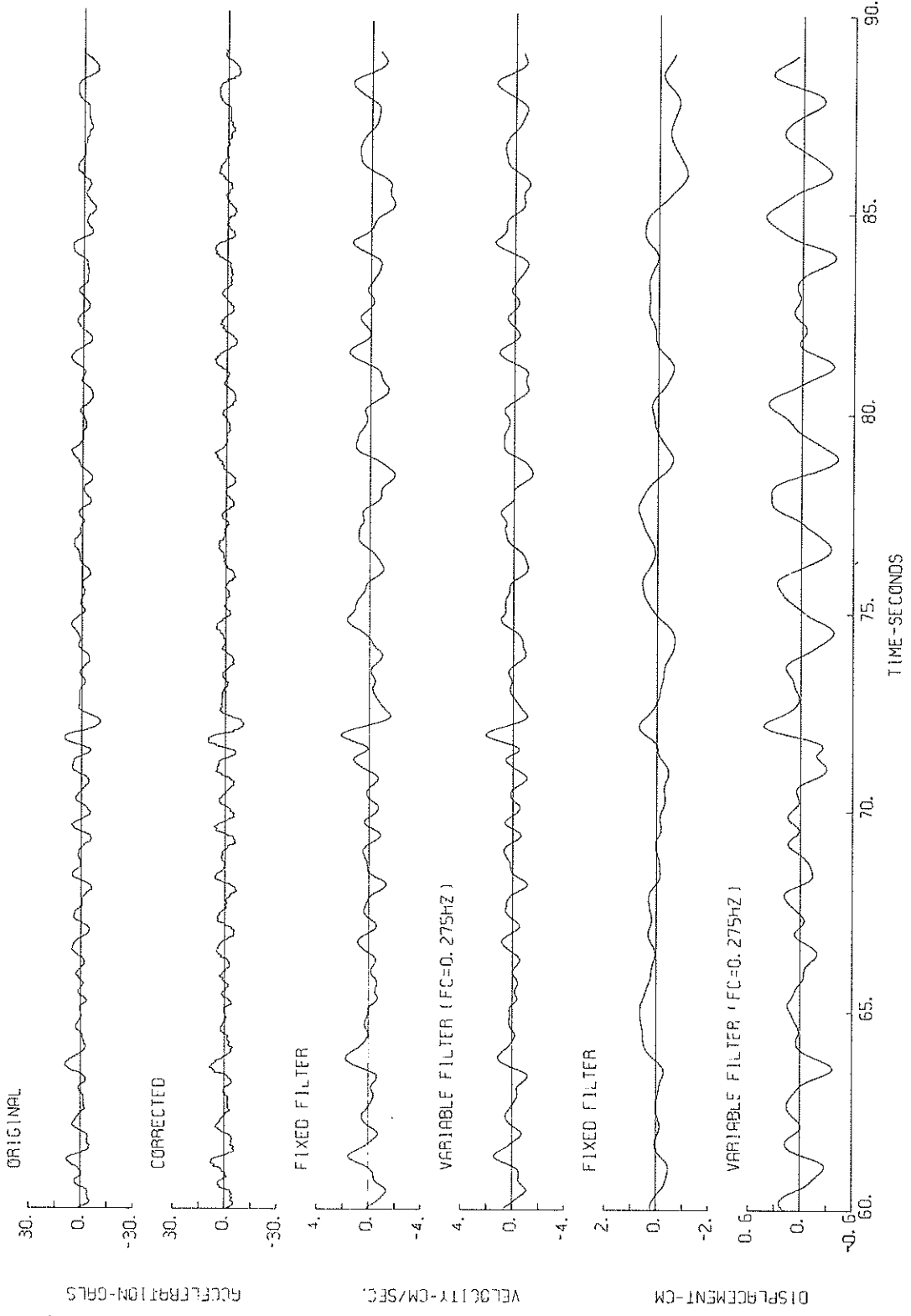
S-1195 SOUTH CHIBA-S



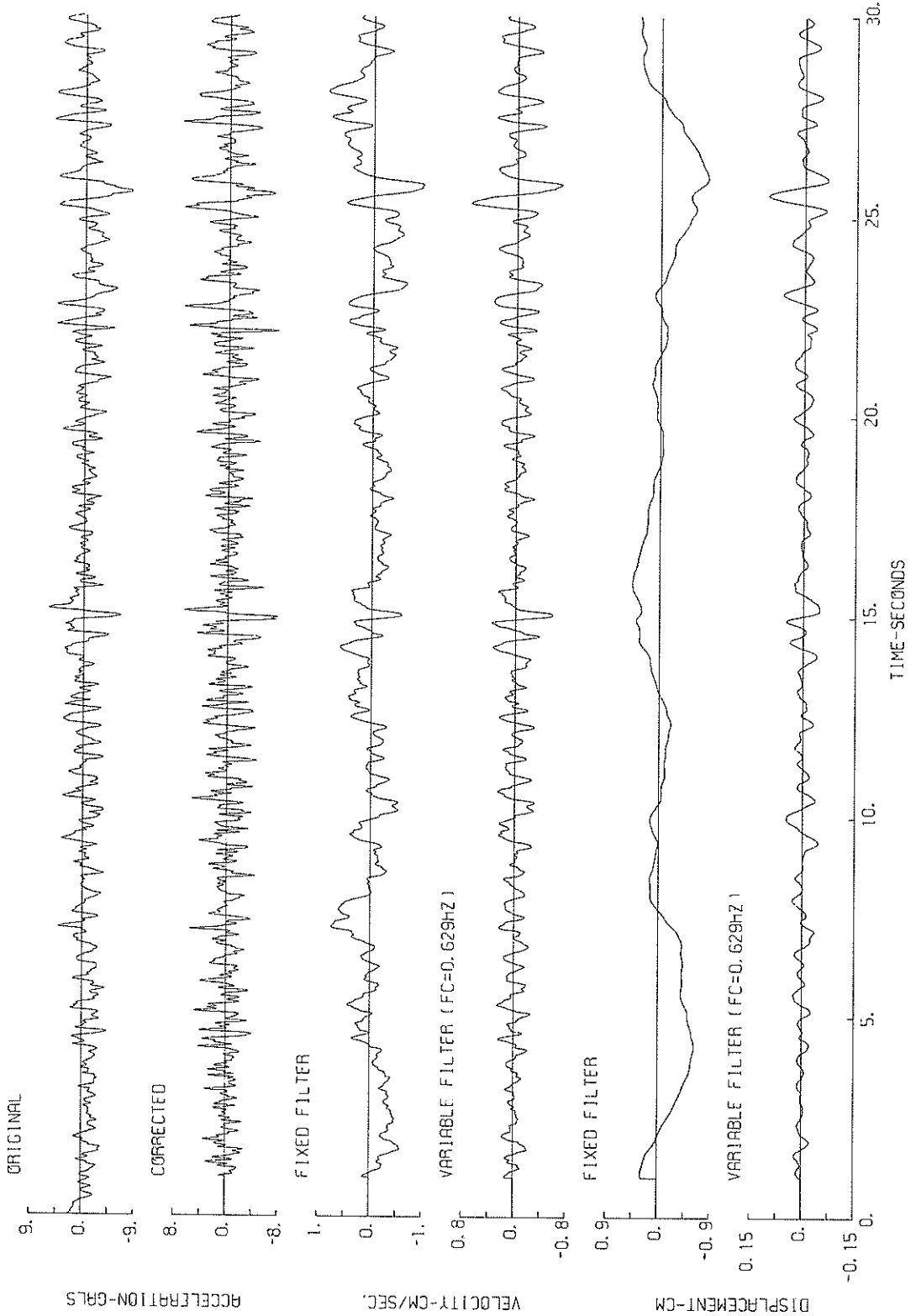
S-1195 SOUTH CHIBA-S



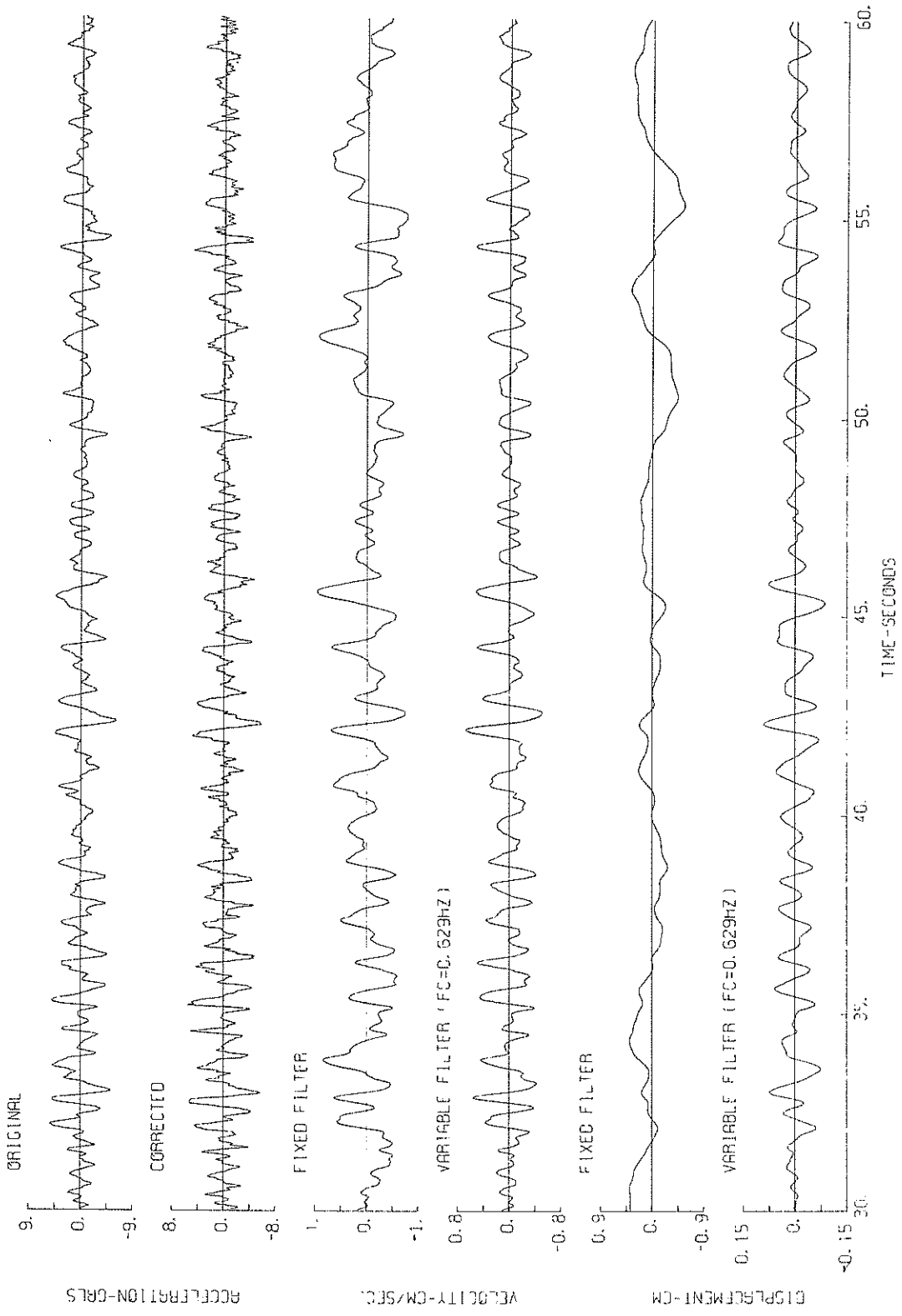
S-1195 SOUTH CHIBA-S



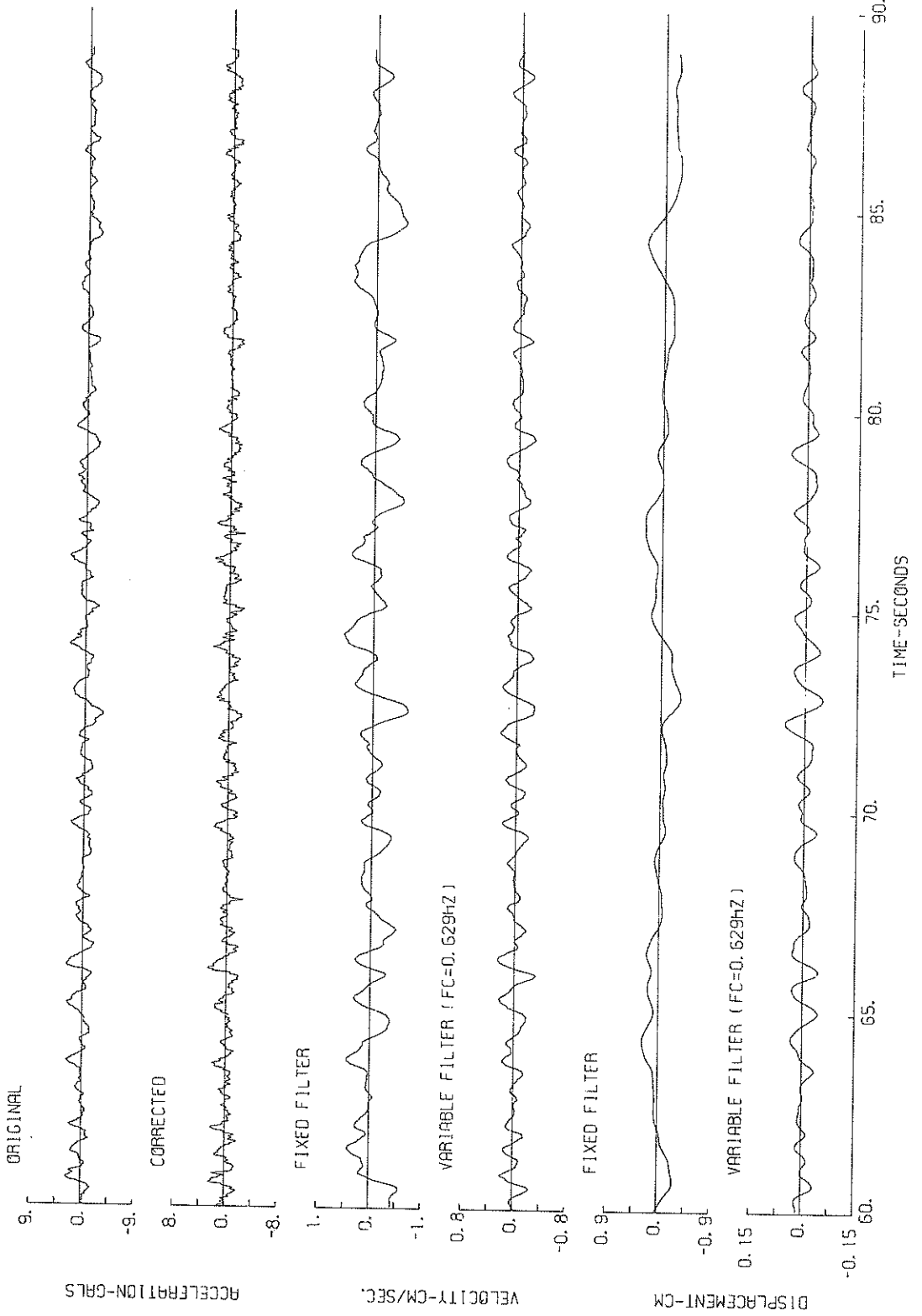
S-1195 DOWN CHIBRA-S



S-1195 DOWN CHIBA-S

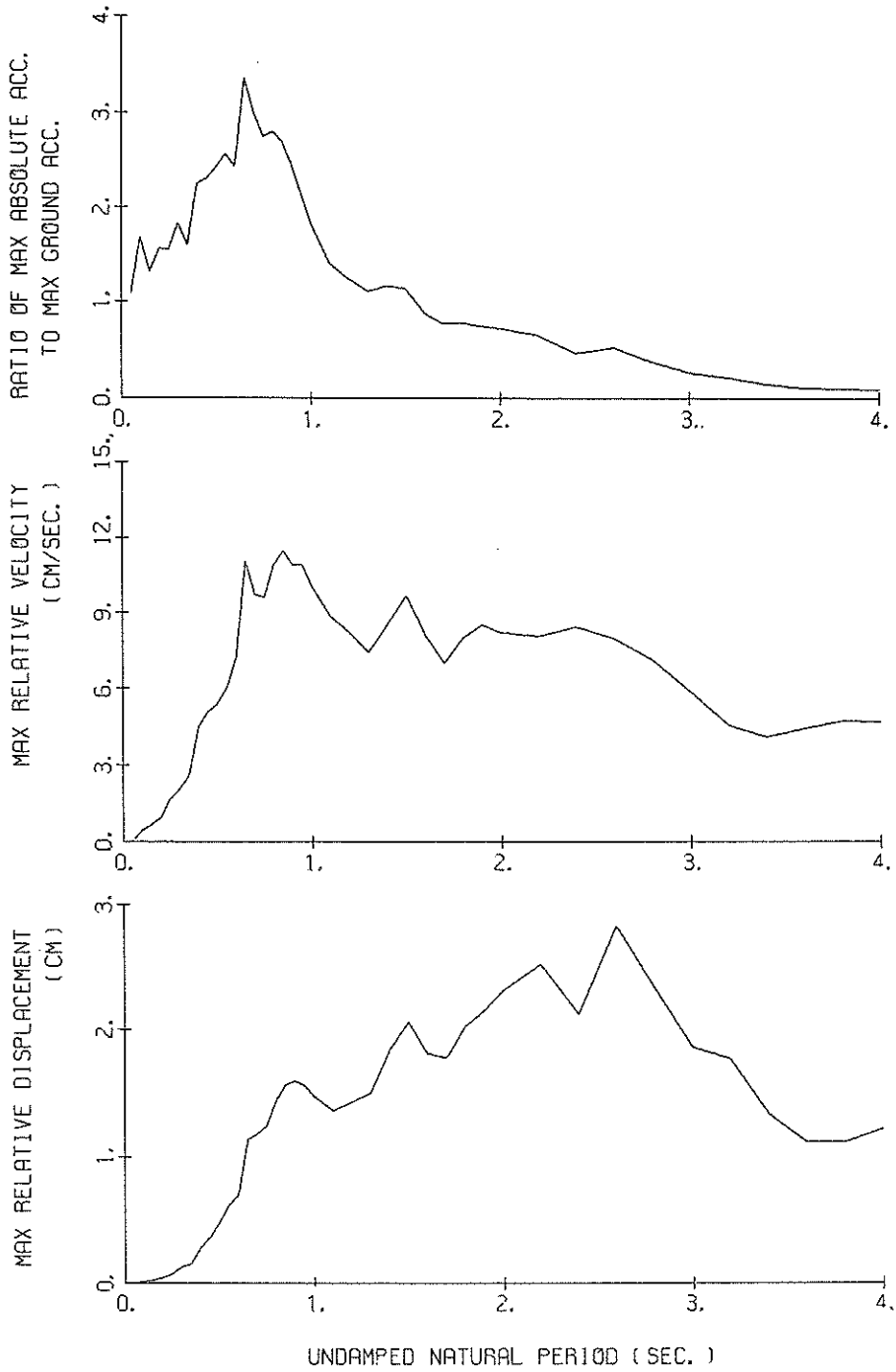


S-1195 DOWN CHIBA-S



S-1195 EAST CHIBA-S

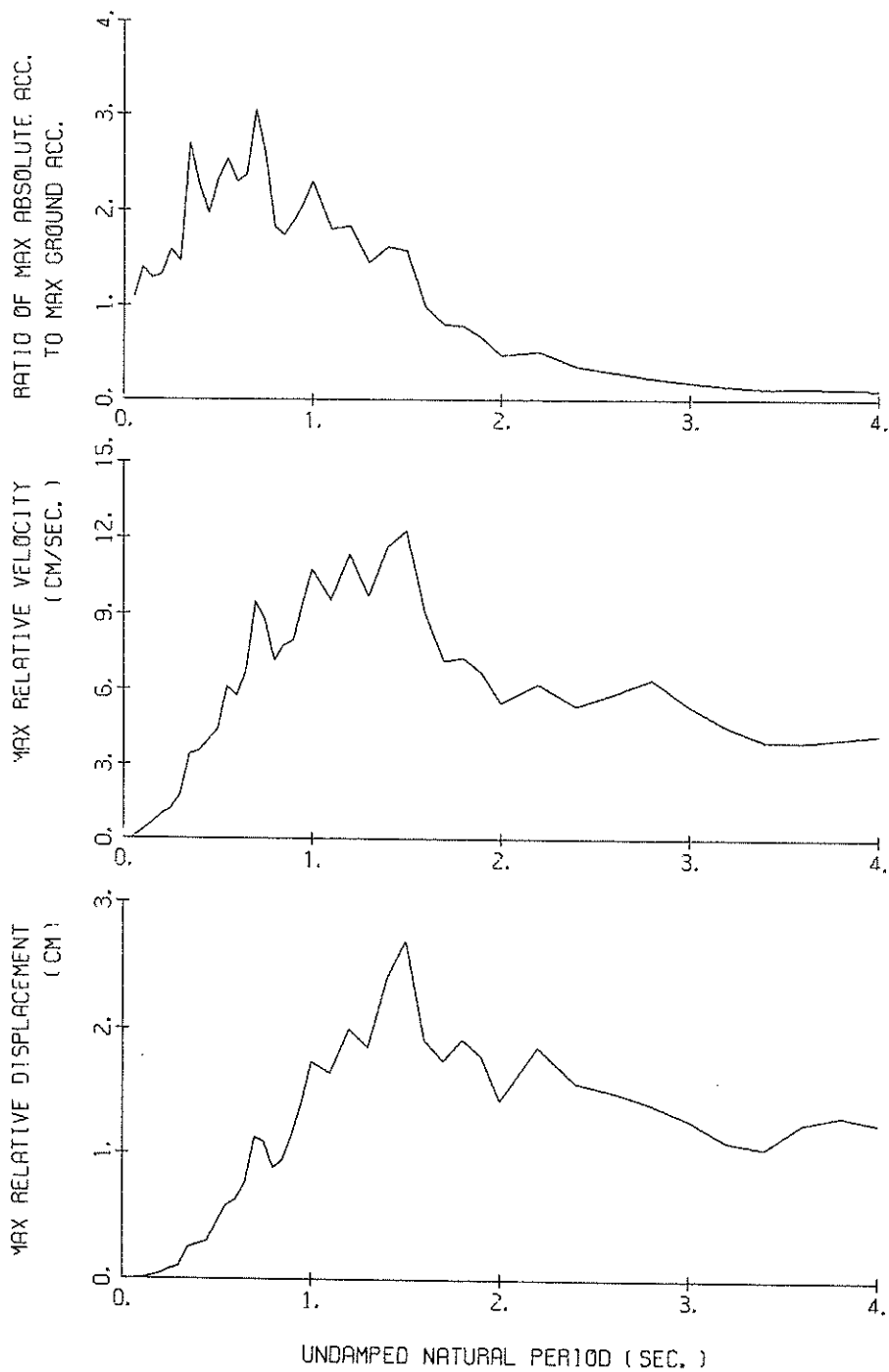
($1/FC=3.56$ sec.)



RESPONSE SPECTRA (H=0.05)

S-1195 SOUTH CHIBA-S

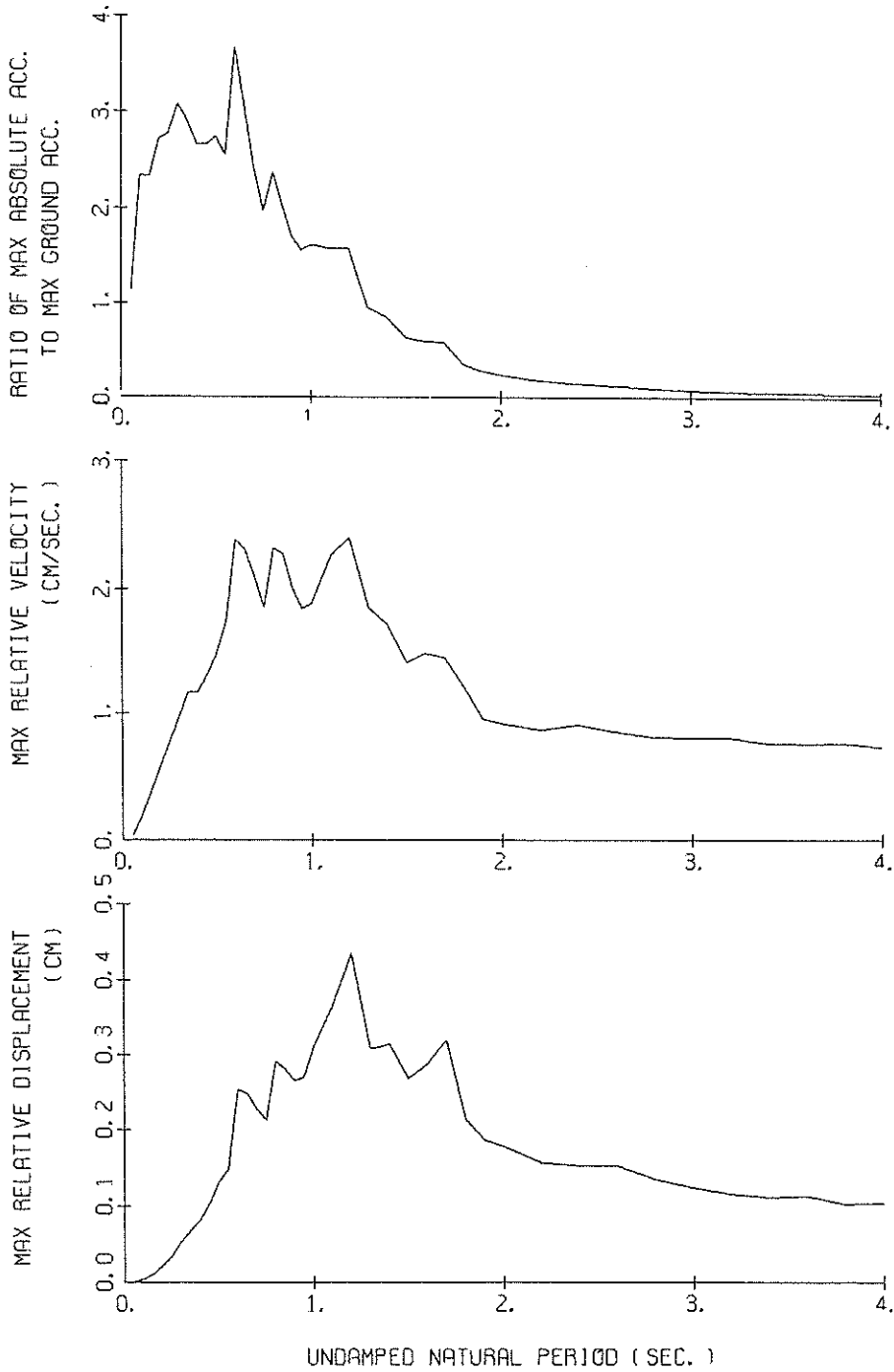
(1/FC=3.64 sec.)



RESPONSE SPECTRA (H=0.05)

S-1195 DOWN CHIBA-S

(1/FC=1.59 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = S-1195 COMPONENT = EAST SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = CHIRA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 31.89 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (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	51.9	0.23	0.003	34.6	0.06	0.002	34.4	0.06	0.002	33.8	0.05	0.002	33.3	0.04	0.002	33.3	0.04	0.002		
0.10	143.6	2.20	0.036	64.2	0.66	0.016	53.5	0.45	0.014	44.5	0.32	0.011	37.4	0.18	0.011	37.4	0.18	0.009		
0.15	128.9	2.92	0.073	46.3	0.87	0.027	42.0	0.66	0.024	38.0	0.53	0.021	36.9	0.32	0.020	36.9	0.32	0.020		
0.20	100.2	2.95	0.102	56.6	1.13	0.057	49.8	0.94	0.050	43.6	0.75	0.044	37.3	0.52	0.036	37.3	0.52	0.036		
0.25	116.8	4.26	0.185	56.7	2.05	0.090	49.4	1.68	0.078	41.7	1.26	0.065	37.4	0.79	0.056	37.4	0.79	0.056		
0.30	228.9	10.76	0.524	74.8	2.73	0.170	58.6	2.05	0.133	45.4	1.49	0.102	37.0	0.97	0.079	37.0	0.97	0.079		
0.35	192.5	10.24	0.597	63.5	3.31	0.197	50.9	2.61	0.158	41.7	2.09	0.128	36.6	1.30	0.106	36.6	1.30	0.106		
0.40	353.6	22.10	1.433	91.6	5.60	0.370	71.9	4.47	0.291	54.0	3.20	0.214	36.8	1.74	0.139	36.8	1.74	0.139		
0.45	136.4	9.25	0.700	83.0	5.59	0.425	73.5	5.08	0.376	53.7	3.85	0.270	38.6	2.16	0.185	38.6	2.16	0.185		
0.50	230.2	18.01	1.458	103.8	7.59	0.656	77.5	5.41	0.488	54.9	3.91	0.345	41.8	2.46	0.245	41.8	2.46	0.245		
0.55	144.3	12.45	1.106	94.4	7.44	0.723	81.9	6.00	0.625	64.6	4.55	0.488	44.9	3.17	0.317	44.9	3.17	0.317		
0.60	155.6	14.01	1.419	107.0	9.89	0.973	77.6	7.14	0.704	67.2	5.52	0.603	47.0	3.84	0.393	47.0	3.84	0.393		
0.65	390.3	39.82	4.177	156.4	16.39	1.673	107.1	11.05	1.140	77.4	7.15	0.814	47.9	4.41	0.469	47.9	4.41	0.469		
0.70	138.2	15.17	1.715	101.5	11.69	1.258	95.7	9.70	1.182	77.1	7.96	0.939	47.7	4.85	0.537	47.7	4.85	0.537		
0.75	200.1	24.33	2.850	109.9	12.82	1.565	87.6	9.59	1.243	73.7	8.36	1.030	46.6	5.14	0.593	46.6	5.14	0.593		
0.80	173.7	22.04	2.815	99.1	12.40	1.605	89.4	10.91	1.442	70.1	8.78	1.116	44.4	5.29	0.637	44.4	5.29	0.637		
0.85	269.4	36.61	4.930	107.5	14.47	1.966	85.9	11.47	1.564	64.5	8.86	1.158	41.4	5.30	0.667	41.4	5.30	0.667		
0.90	173.0	24.25	3.550	112.7	16.02	2.310	78.0	10.90	1.593	57.0	8.43	1.148	38.0	5.23	0.681	38.0	5.23	0.681		
0.95	238.6	36.11	5.455	98.4	14.92	2.247	68.3	10.91	1.553	49.6	7.76	1.112	34.5	5.06	0.681	34.5	5.06	0.681		
1.00	243.9	38.83	6.178	82.4	14.82	2.084	58.6	10.05	1.473	41.5	7.03	1.030	31.0	4.85	0.669	31.0	4.85	0.669		
1.10	213.4	37.83	6.540	64.8	12.30	1.982	44.7	8.83	1.362	31.5	6.46	0.942	25.0	4.39	0.646	25.0	4.39	0.646		
1.20	96.7	18.46	3.526	55.1	11.29	2.008	39.5	8.17	1.431	27.8	6.13	0.990	20.8	4.11	0.661	20.8	4.11	0.661		
1.30	93.2	19.12	3.991	44.0	9.60	1.881	35.2	7.41	1.500	27.1	5.33	1.131	18.7	4.02	0.692	18.7	4.02	0.692		
1.40	73.1	18.41	3.630	44.1	10.04	2.184	37.3	8.50	1.838	27.9	6.54	1.348	17.3	4.15	0.735	17.3	4.15	0.735		
1.50	158.6	37.26	9.040	53.0	13.08	3.015	36.4	9.68	2.062	23.8	6.96	1.323	16.6	4.30	0.792	16.6	4.30	0.792		
1.60	81.2	24.26	5.263	39.6	11.00	2.562	28.1	8.10	1.810	20.4	6.11	1.292	16.3	4.23	0.841	16.3	4.23	0.841		
1.70	55.5	15.18	4.063	32.7	8.18	2.389	24.4	6.97	1.773	18.3	4.24	1.306	16.1	4.24	0.929	16.1	4.24	0.929		
1.80	100.3	29.83	8.234	37.2	11.19	3.052	24.8	8.01	2.026	17.5	5.93	1.401	15.8	4.20	1.047	15.8	4.20	1.047		
1.90	54.3	16.20	4.962	30.4	10.21	2.774	23.6	8.49	2.149	18.5	6.52	1.623	15.5	4.49	1.095	15.5	4.49	1.095		
2.00	43.6	15.07	4.417	26.6	9.47	2.690	23.0	8.21	2.312	18.6	6.48	1.810	15.0	4.82	1.151	15.0	4.82	1.151		
2.20	30.6	11.08	3.747	25.4	9.36	3.113	20.7	8.05	2.518	15.5	7.08	1.820	13.4	5.38	1.181	13.4	5.38	1.181		
2.40	32.2	13.23	4.704	18.2	9.11	2.656	14.6	8.43	2.121	12.6	7.43	1.774	11.2	5.66	1.115	11.2	5.66	1.115		
2.60	36.7	16.19	6.289	22.7	10.40	3.879	16.6	7.95	2.827	11.5	7.18	1.904	9.2	5.70	1.018	9.2	5.70	1.018		
2.80	20.4	10.22	4.045	14.1	7.95	2.806	11.8	7.12	2.335	8.8	6.56	1.707	7.4	5.56	0.983	7.4	5.56	0.983		
3.00	10.7	6.19	2.434	8.9	5.99	2.019	8.2	5.89	1.862	7.0	5.75	1.539	6.1	5.34	1.043	6.1	5.34	1.043		
3.20	13.3	7.37	3.462	8.3	5.08	2.137	6.9	4.54	1.763	6.0	4.98	1.463	5.3	5.11	1.064	5.3	5.11	1.064		
3.40	6.5	4.92	1.898	4.3	4.08	1.266	4.6	4.10	1.355	4.8	4.60	1.303	4.4	4.92	1.049	4.4	4.92	1.049		
3.60	3.9	4.37	1.264	3.3	4.36	1.080	3.5	4.42	1.175	4.4	4.57	1.175	4.4	4.78	1.049	4.4	4.78	1.049		
3.80	4.0	5.18	1.467	3.2	4.88	1.160	3.1	4.72	1.114	3.4	4.63	1.135	4.0	4.69	1.037	4.0	4.69	1.037		
4.00	4.9	4.98	1.981	3.4	4.81	1.358	3.1	4.71	1.218	3.1	4.61	1.141	3.7	4.61	1.027	3.7	4.61	1.027		

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

RESPONSE SPECTRUM

RECORD = S-1195 COMPONENT = SOUTH SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = CHIBA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 30.02 (GAL.)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 10.00 (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	45.4	0.23	0.003	32.1	0.07	0.002	0.002	32.1	0.06	0.002	0.002	31.8	0.06	0.002	0.002	31.3	0.05	0.002		
0.10	145.0	2.21	0.037	47.1	0.44	0.012	0.012	42.0	0.33	0.011	0.011	37.6	0.25	0.009	0.009	33.8	0.17	0.008		
0.15	102.0	2.11	0.058	43.5	0.74	0.025	0.025	38.6	0.63	0.022	0.022	35.4	0.47	0.020	0.020	33.2	0.34	0.018		
0.20	88.4	2.70	0.090	41.7	1.08	0.042	0.042	39.8	0.97	0.040	0.040	36.1	0.77	0.036	0.036	32.2	0.46	0.032		
0.25	128.9	4.59	0.204	57.2	1.56	0.090	0.090	47.8	1.21	0.076	0.076	41.2	0.96	0.065	0.065	36.3	0.70	0.056		
0.30	176.5	8.10	0.402	47.6	1.98	0.108	0.108	44.1	1.76	0.100	0.100	40.1	1.37	0.094	0.094	40.1	0.93	0.087		
0.35	317.0	17.31	0.984	111.7	5.20	0.346	0.346	80.8	3.43	0.250	0.250	58.5	2.17	0.180	0.180	43.5	1.26	0.127		
0.40	217.9	13.65	0.883	89.9	5.08	0.365	0.365	67.9	3.54	0.275	0.275	55.3	2.51	0.221	0.221	44.3	1.60	0.168		
0.45	213.2	14.77	1.094	71.8	4.96	0.368	0.368	59.0	3.98	0.301	0.301	48.4	2.94	0.245	0.245	44.1	1.92	0.209		
0.50	303.1	23.76	1.920	88.5	6.18	0.560	0.560	69.7	4.44	0.440	0.440	54.8	3.36	0.342	0.342	44.1	2.30	0.256		
0.55	231.6	20.19	1.774	91.7	7.73	0.702	0.702	76.0	6.11	0.580	0.580	54.6	3.97	0.412	0.412	43.7	2.69	0.305		
0.60	159.9	14.72	1.458	88.9	7.84	0.809	0.809	68.8	5.75	0.623	0.623	54.4	4.24	0.488	0.488	42.9	3.09	0.355		
0.65	158.6	16.23	1.697	100.1	10.21	1.070	1.070	71.0	6.71	0.756	0.756	59.2	5.11	0.623	0.623	41.5	3.44	0.403		
0.70	399.3	43.87	4.956	137.7	14.66	1.706	1.706	91.4	9.50	1.129	1.129	60.5	6.04	0.737	0.737	39.4	3.69	0.442		
0.75	543.8	64.37	7.748	120.3	14.13	1.712	1.712	77.3	8.80	1.095	1.095	51.1	5.39	0.715	0.715	37.0	3.81	0.472		
0.80	181.0	22.52	2.935	74.0	9.35	1.198	1.198	54.7	7.15	0.881	0.881	43.9	5.06	0.700	0.700	34.5	3.89	0.498		
0.85	345.3	46.56	6.320	74.3	10.32	1.357	1.357	52.3	7.77	0.952	0.952	41.6	5.37	0.747	0.747	32.2	3.95	0.523		
0.90	216.3	31.13	4.438	75.4	10.82	1.545	1.545	56.5	7.95	1.154	1.154	41.8	5.66	0.842	0.842	29.9	3.99	0.544		
0.95	322.6	18.24	2.802	76.6	11.43	1.750	1.750	62.1	9.42	1.415	1.415	45.5	6.51	1.019	1.019	29.0	4.06	0.597		
1.00	347.6	55.41	8.806	97.0	16.06	2.454	2.454	69.1	10.77	1.742	1.742	47.1	7.34	1.167	1.167	28.0	4.32	0.650		
1.10	149.0	26.59	4.567	63.8	11.17	1.953	1.953	54.1	9.55	1.649	1.649	43.9	7.57	1.316	1.316	26.7	4.47	0.724		
1.20	125.8	23.41	4.591	77.8	15.81	2.834	2.834	55.1	11.36	1.999	1.999	37.6	7.66	1.335	1.335	23.4	4.29	0.739		
1.30	77.5	16.23	3.318	53.0	11.34	2.266	2.266	43.5	9.70	1.854	1.854	30.9	7.41	1.294	1.294	20.4	4.18	0.764		
1.40	189.4	42.04	9.405	64.3	15.76	3.185	3.185	48.6	11.62	2.398	2.398	34.2	7.48	1.654	1.654	19.6	4.54	0.846		
1.50	145.3	36.01	8.279	66.9	17.00	3.807	3.807	47.5	12.29	2.693	2.693	30.9	8.01	1.716	1.716	18.2	4.84	0.891		
1.60	60.2	15.40	3.902	33.1	9.42	2.154	2.154	29.6	9.02	1.911	1.911	24.2	7.45	1.459	1.459	16.2	4.95	0.891		
1.70	71.9	19.84	5.261	31.1	9.29	2.275	2.275	24.0	7.13	1.748	1.748	19.1	6.50	1.370	1.370	14.9	4.88	0.904		
1.80	69.7	19.70	5.717	35.7	10.37	2.920	2.920	23.6	7.27	1.922	1.922	16.9	6.05	1.328	1.328	14.4	4.71	0.956		
1.90	39.1	12.71	3.579	23.6	8.41	2.151	2.151	19.7	6.67	1.788	1.788	15.8	5.68	1.377	1.377	13.7	4.49	0.990		
2.00	37.6	13.16	3.808	16.6	6.33	1.675	1.675	14.2	5.49	1.430	1.430	14.2	5.21	1.363	1.363	12.9	4.25	1.040		
2.20	42.9	16.38	5.262	20.2	7.51	2.448	2.448	15.4	6.23	1.861	1.861	12.4	5.18	1.417	1.417	11.3	3.88	1.009		
2.40	22.2	9.66	3.241	13.2	6.29	1.926	1.926	10.9	5.36	1.577	1.577	8.9	5.24	1.193	1.193	9.6	4.14	0.963		
2.60	16.4	7.54	2.805	11.2	6.25	1.913	1.913	8.9	5.85	1.498	1.498	7.5	5.38	1.165	1.165	8.1	4.29	0.887		
2.80	18.0	8.31	3.569	9.5	7.13	1.887	1.887	7.1	6.41	1.399	1.399	5.7	5.52	1.052	1.052	6.8	4.32	0.788		
3.00	8.2	6.12	1.861	6.3	5.43	1.426	1.426	5.6	5.36	1.276	1.276	4.9	5.07	1.025	1.025	5.7	4.27	0.767		
3.20	8.0	6.72	2.063	4.8	4.99	1.240	1.240	4.3	4.52	1.101	1.101	3.8	4.54	0.927	0.927	4.9	4.16	0.751		
3.40	5.0	3.90	1.470	4.2	3.77	1.043	1.043	3.6	3.95	1.043	1.043	3.3	4.17	0.915	0.915	4.5	4.04	0.736		
3.60	6.6	4.30	2.182	4.6	3.97	1.251	1.251	3.9	3.92	1.251	1.251	3.3	4.01	1.011	1.011	4.1	3.92	0.721		
3.80	5.1	4.58	1.870	4.3	4.24	1.569	1.569	3.7	4.06	1.312	1.312	3.0	3.94	1.018	1.018	3.7	3.83	0.715		
4.00	6.0	5.15	2.439	3.9	4.55	1.563	1.563	3.2	4.22	1.248	1.248	2.7	3.88	0.997	0.997	3.4	3.74	0.730		

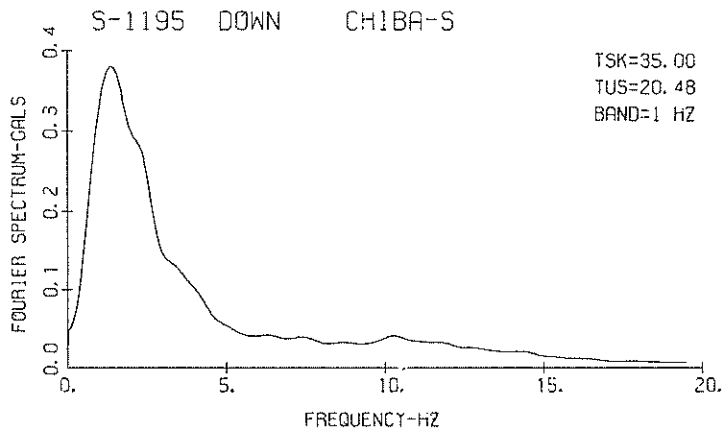
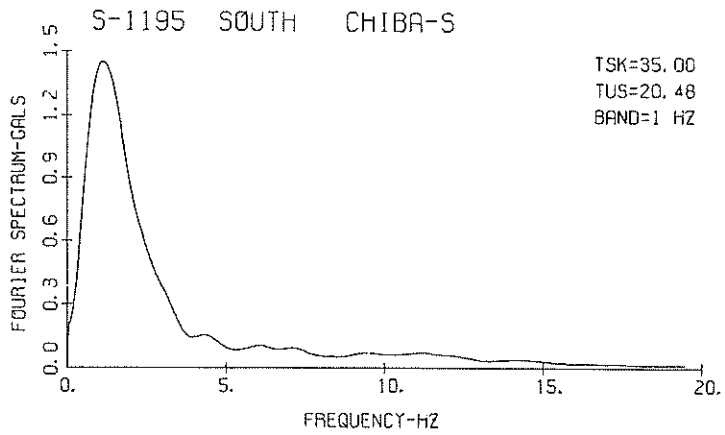
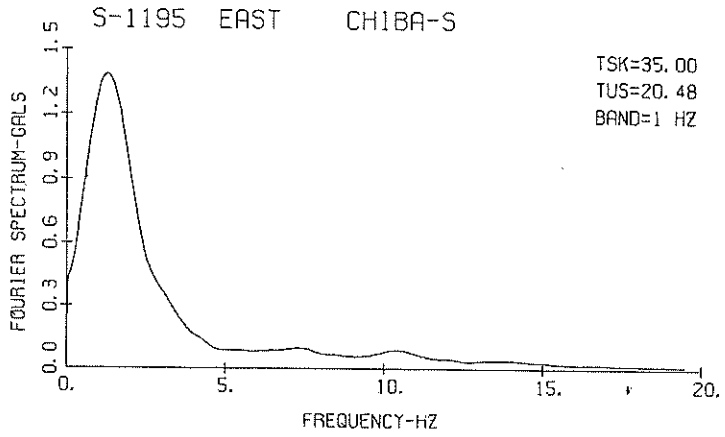
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = S-1195 COMPONENT = DOWN SIGNAL = GR. ACC. CORRECTION = ARC.ERR. STATION = CHIBA-S
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 7.61 (GAL)
 TIME LENGTH = 50.00 (SEC) SKIPPED LENGTH = 1.00 (SEC)

PER	DAMPING = 0.025				DAMPING = 0.050				DAMPING = 0.100				DAMPING = 0.250			
	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	AA	AA	RV	RD	
0.05	20.4	0.12	0.001	8.5	0.03	0.001	8.3	0.03	0.001	8.3	0.02	0.001	8.1	0.02	0.001	
0.10	72.2	1.09	0.018	22.1	0.28	0.006	17.8	0.19	0.004	14.1	0.13	0.004	10.6	0.09	0.003	
0.15	150.6	3.53	0.086	22.7	0.48	0.013	17.8	0.37	0.010	13.9	0.28	0.008	10.7	0.19	0.006	
0.20	65.7	2.02	0.067	24.3	0.26	0.024	20.7	0.57	0.021	17.6	0.45	0.018	12.0	0.28	0.011	
0.25	47.9	1.79	0.076	24.8	0.93	0.039	21.1	0.77	0.033	16.8	0.61	0.026	11.4	0.36	0.017	
0.30	151.6	7.23	0.346	30.8	1.33	0.070	23.4	0.97	0.053	16.3	0.64	0.037	11.5	0.39	0.024	
0.35	100.0	5.55	0.310	30.8	1.70	0.095	22.1	1.18	0.068	15.9	0.80	0.048	11.4	0.50	0.032	
0.40	105.4	6.67	0.427	26.3	1.54	0.107	20.2	1.17	0.082	15.3	0.86	0.061	11.0	0.62	0.039	
0.45	62.9	4.43	0.323	26.0	1.73	0.133	20.2	1.31	0.104	15.6	1.05	0.079	10.9	0.74	0.051	
0.50	105.0	8.29	0.665	27.5	2.10	0.174	20.9	1.48	0.132	16.2	1.25	0.101	11.4	0.84	0.066	
0.55	47.8	4.12	0.366	20.7	1.79	0.158	19.4	1.74	0.148	16.1	1.46	0.122	11.4	0.88	0.079	
0.60	54.7	5.21	0.499	37.9	3.40	0.345	28.0	2.39	0.254	18.8	1.54	0.168	10.9	0.90	0.091	
0.65	70.4	7.36	0.753	32.3	3.47	0.346	23.3	2.31	0.249	17.4	1.70	0.183	10.3	0.96	0.099	
0.70	103.1	11.46	1.280	25.2	2.92	0.342	18.4	2.10	0.227	14.1	1.53	0.172	9.7	1.04	0.107	
0.75	46.8	5.64	0.667	18.6	2.16	0.264	15.0	1.86	0.213	12.7	1.48	0.177	8.9	1.08	0.114	
0.80	64.8	8.25	1.051	23.3	2.97	0.377	18.0	2.32	0.291	12.8	1.64	0.203	8.3	1.11	0.120	
0.85	75.6	10.24	1.384	24.0	3.30	0.439	15.4	2.27	0.281	11.8	1.65	0.212	7.8	1.13	0.128	
0.90	31.6	4.42	0.648	17.4	2.64	0.356	13.0	2.01	0.265	10.5	1.59	0.211	7.3	1.12	0.135	
0.95	20.3	3.12	0.464	14.5	2.23	0.351	11.9	1.85	0.270	9.7	1.51	0.217	7.0	1.10	0.142	
1.00	27.3	4.44	0.692	14.9	2.30	0.376	12.3	1.89	0.310	9.8	1.55	0.243	6.7	1.08	0.148	
1.10	34.3	6.06	1.052	15.6	2.90	0.477	12.0	2.26	0.366	8.8	1.79	0.264	6.1	1.08	0.158	
1.20	36.3	7.15	1.323	16.1	3.27	0.588	12.0	2.41	0.435	8.1	1.71	0.290	5.4	1.05	0.163	
1.30	11.8	2.70	0.504	8.6	2.15	0.369	7.2	1.85	0.308	6.2	1.52	0.257	4.7	1.02	0.160	
1.40	21.3	5.19	1.058	8.9	2.30	0.443	6.4	1.71	0.314	5.0	1.39	0.238	4.0	1.01	0.157	
1.50	7.5	2.02	0.427	6.0	1.57	0.339	4.7	1.41	0.268	4.1	1.28	0.223	3.5	0.98	0.159	
1.60	7.1	2.06	0.458	5.1	1.70	0.329	4.5	1.48	0.288	3.8	1.23	0.237	3.1	0.93	0.161	
1.70	5.2	1.68	0.381	5.6	1.72	0.406	4.4	1.45	0.320	3.4	1.15	0.238	2.8	0.88	0.160	
1.80	3.7	1.39	0.304	3.4	1.34	0.279	2.6	1.22	0.215	2.6	1.07	0.207	2.4	0.84	0.156	
1.90	4.5	1.62	0.409	2.5	1.11	0.232	2.1	0.95	0.187	2.1	0.94	0.183	2.1	0.81	0.150	
2.00	2.1	1.09	0.215	2.0	0.98	0.198	1.8	0.92	0.178	1.8	0.87	0.169	1.9	0.79	0.143	
2.20	2.6	1.14	0.320	1.5	0.93	0.188	1.3	0.87	0.157	1.3	0.84	0.147	1.5	0.78	0.131	
2.40	1.9	1.04	0.276	1.2	0.92	0.178	1.1	0.91	0.152	1.0	0.86	0.134	1.3	0.78	0.120	
2.60	1.3	1.10	0.226	1.0	0.89	0.172	0.9	0.86	0.153	0.9	0.83	0.133	1.2	0.77	0.114	
2.80	0.8	0.89	0.169	0.7	0.81	0.142	0.7	0.81	0.135	0.8	0.79	0.128	1.0	0.76	0.114	
3.00	0.6	0.79	0.132	0.5	0.81	0.121	0.6	0.80	0.124	0.6	0.79	0.122	0.9	0.75	0.113	
3.20	0.6	0.91	0.150	0.5	0.83	0.122	0.5	0.80	0.116	0.5	0.78	0.114	0.9	0.75	0.111	
3.40	0.6	0.73	0.181	0.4	0.74	0.118	0.4	0.76	0.112	0.5	0.77	0.108	0.8	0.75	0.109	
3.60	0.5	0.83	0.175	0.4	0.77	0.128	0.4	0.76	0.113	0.4	0.76	0.107	0.7	0.74	0.107	
3.80	0.5	0.85	0.180	0.3	0.79	0.116	0.3	0.76	0.102	0.4	0.75	0.104	0.7	0.74	0.106	
4.00	0.4	0.79	0.169	0.3	0.75	0.113	0.3	0.74	0.104	0.3	0.74	0.103	0.6	0.74	0.105	

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



FOURIER SPECTRA

RECORD NUMBER

M-217

STATION

YAMASHITA-HEN-M

EARTHQUAKE DATA

```
*****
*
*   DATE AND TIME           17:14 JUNE 12,1978   *
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.      *
*   LATITUDE                38.15 N              *
*   LONGITUDE               142.17 E             *
*   DEPTH                   40 KM                *
*
*   MAGNITUDE               7.4                  *
*
*****
```

	NORTH	COMPONENT EAST	DOWN
	-----	-----	-----
PARAMETER OF THE VARIABLE FILTER			

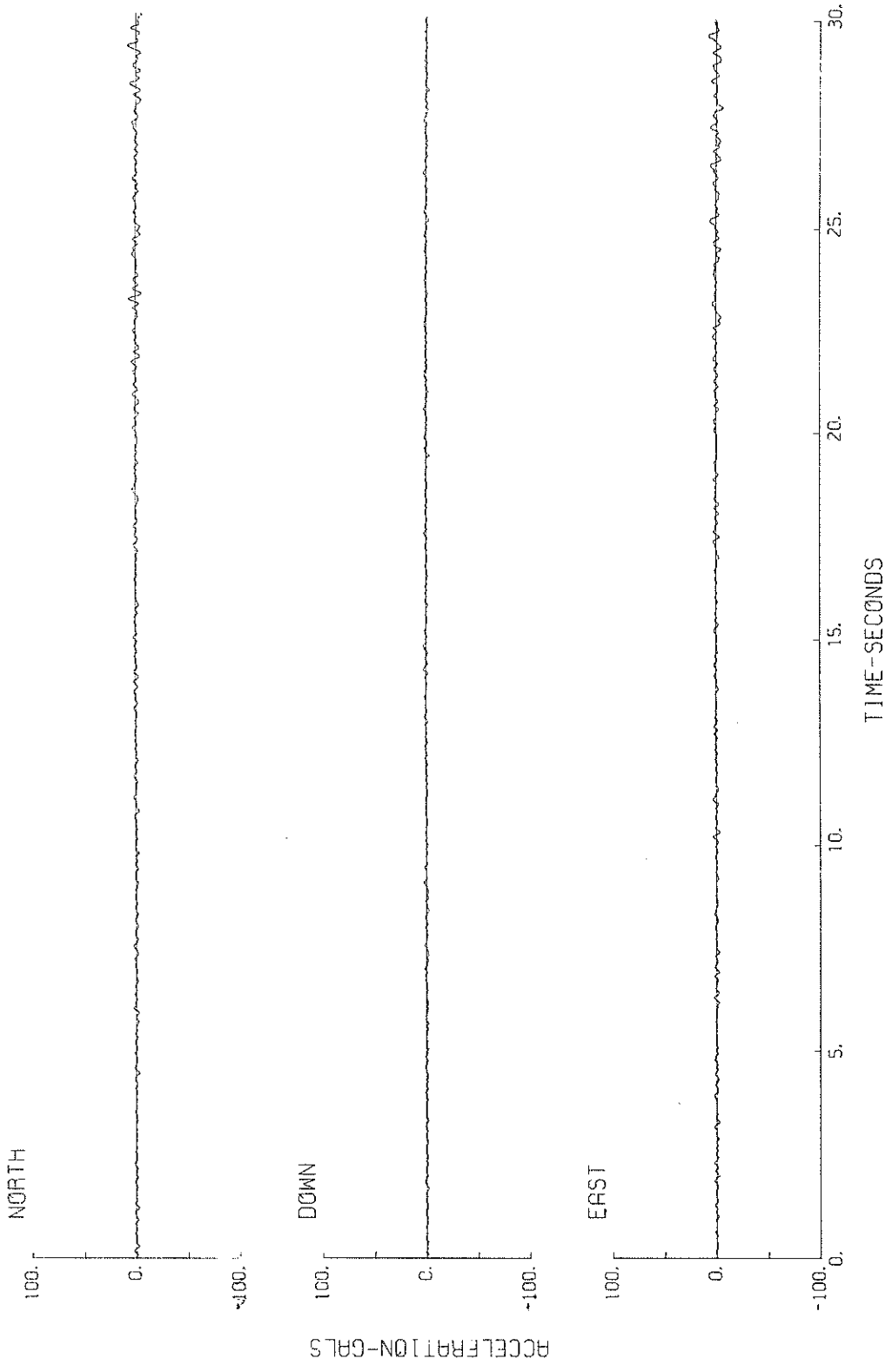
FC (HZ)	0.172	0.166	0.215
MAXIMUM ACCELERATION (GAL)			

ORIGINAL	26.0	16.8	6.6
SMAC-B2 EQUIVALENT	24.7	13.7	6.2
CORRECTED	26.0	16.2	6.6
MAXIMUM VELOCITY (CM/SEC.)			

FIXED FILTER	3.18	1.86	1.77
VARIABLE FILTER	2.51	2.00	1.39
MAXIMUM DISPLACEMENT (CM)			

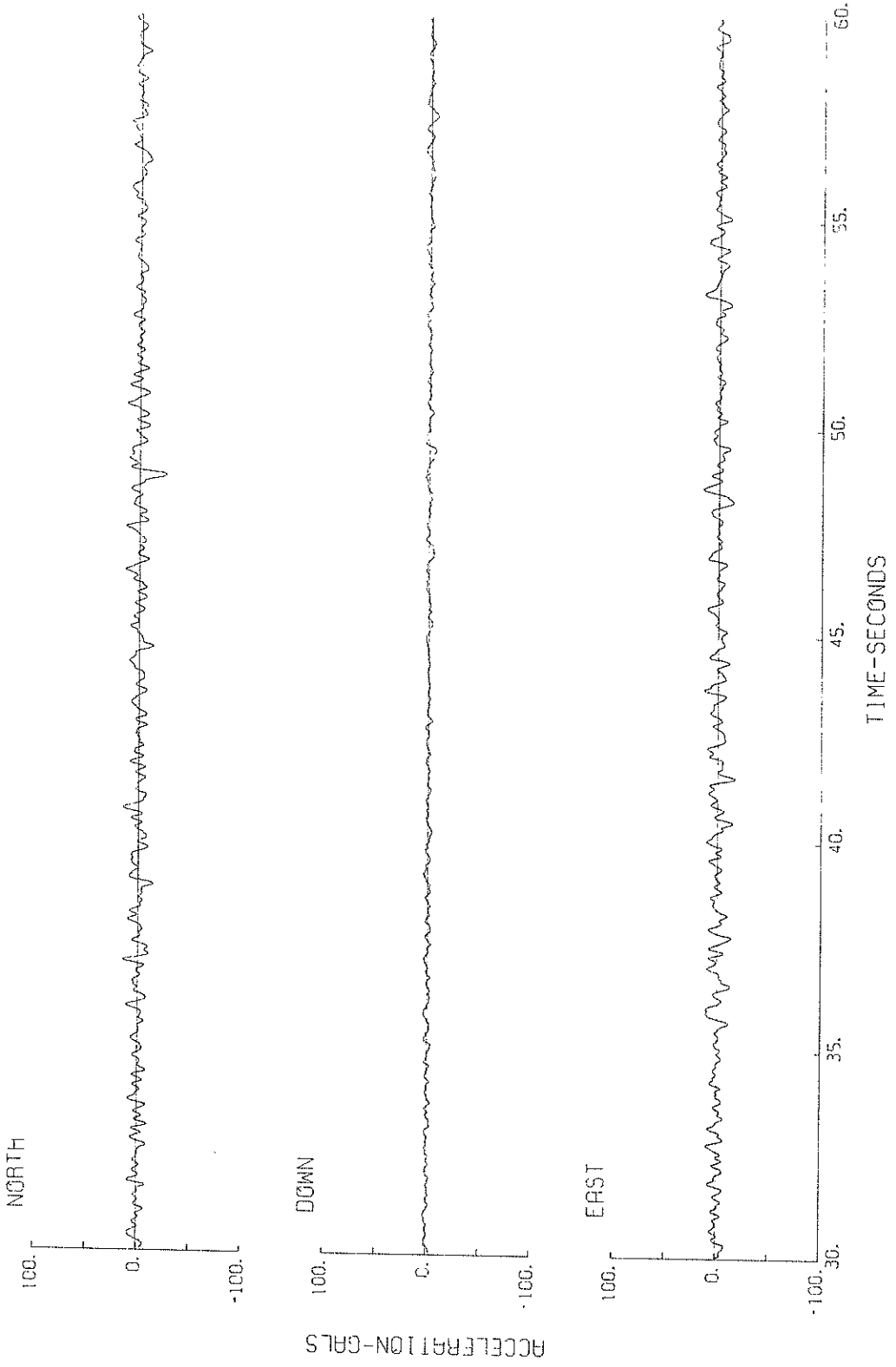
FIXED FILTER	0.61	0.74	0.59
VARIABLE FILTER	0.66	0.52	0.54

M-217 YAMASHITA-HEN-M

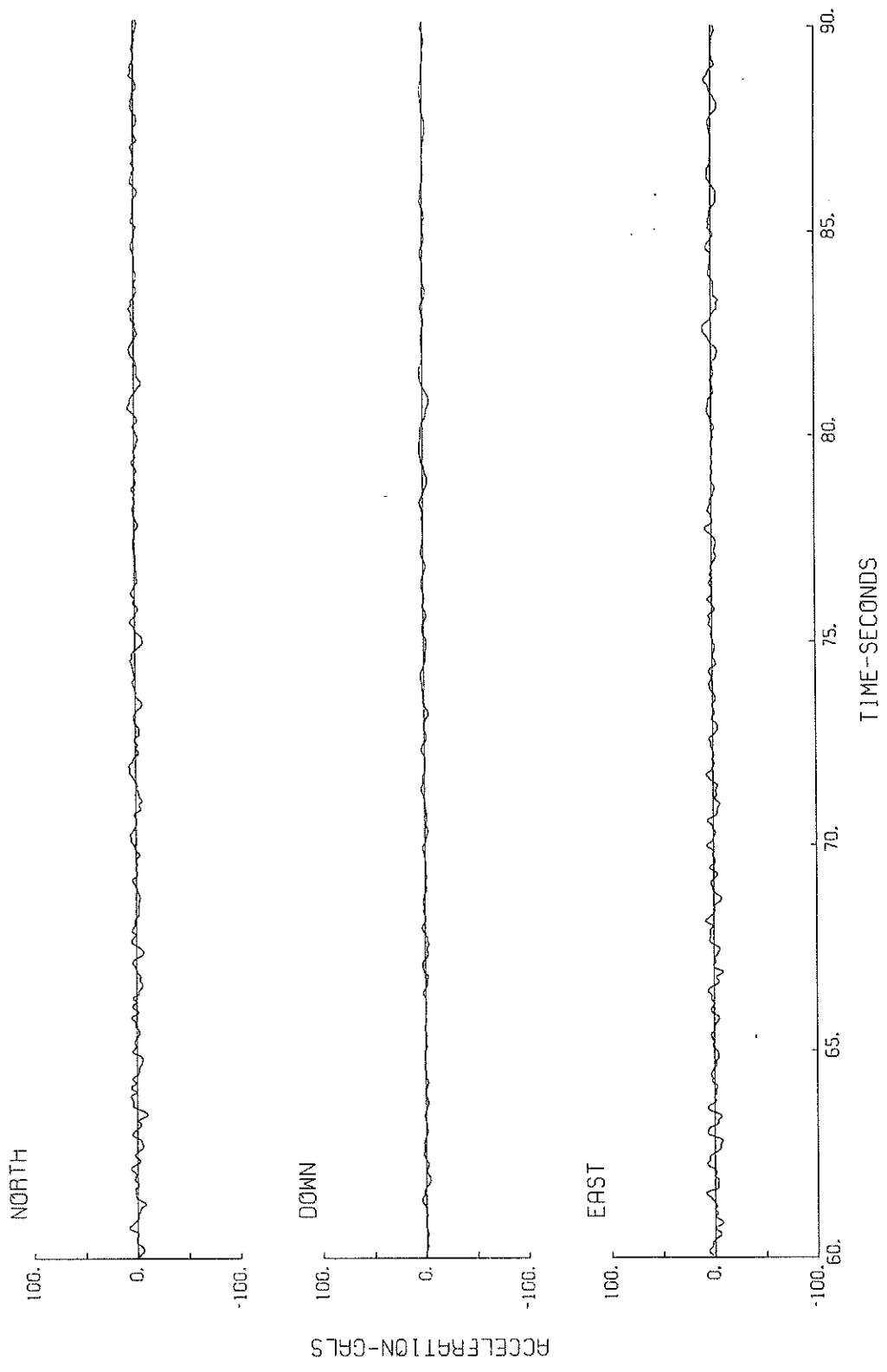


ACCELERATION-GALS

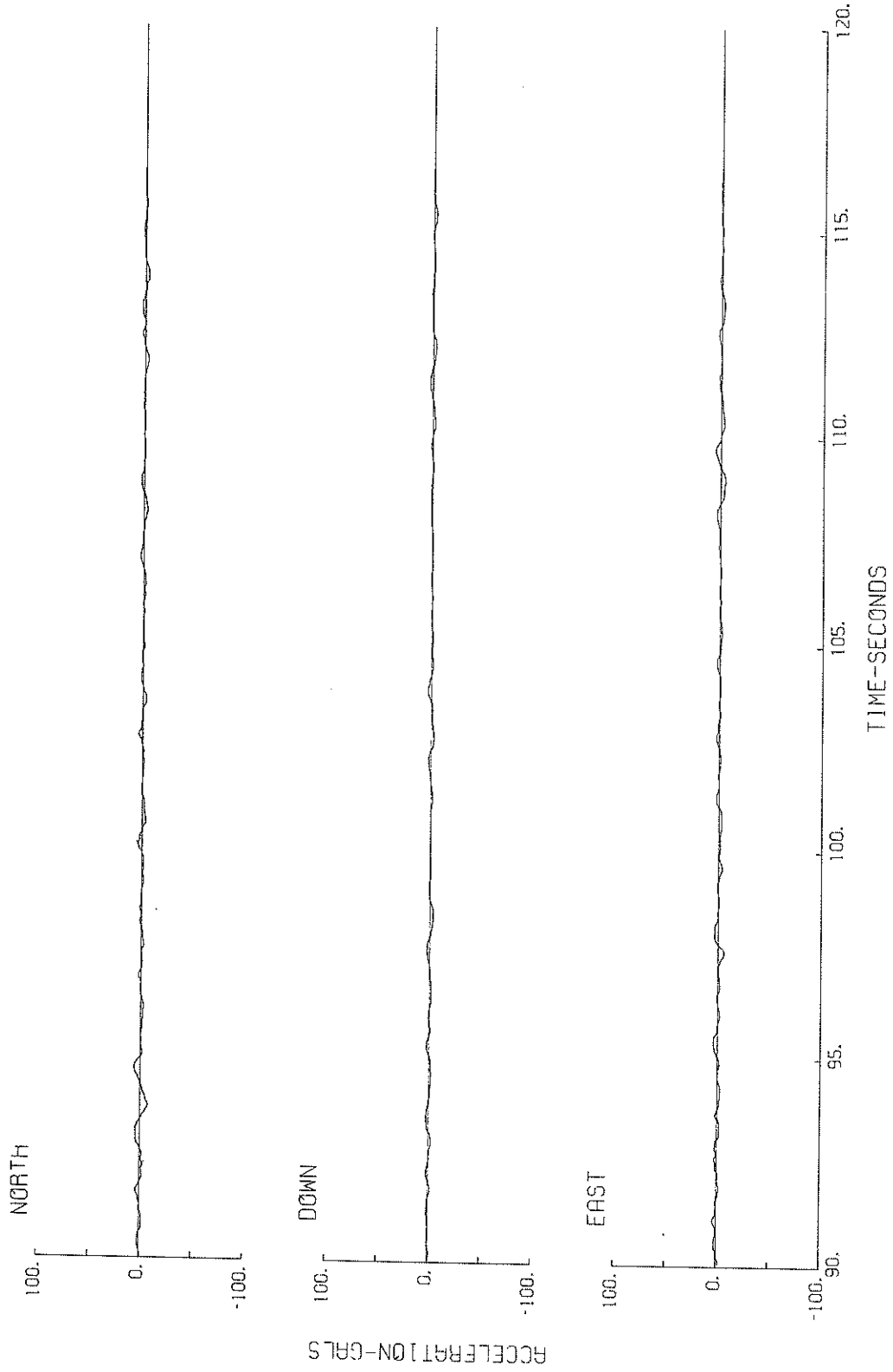
M-217 YAMASHITA-HEN-M



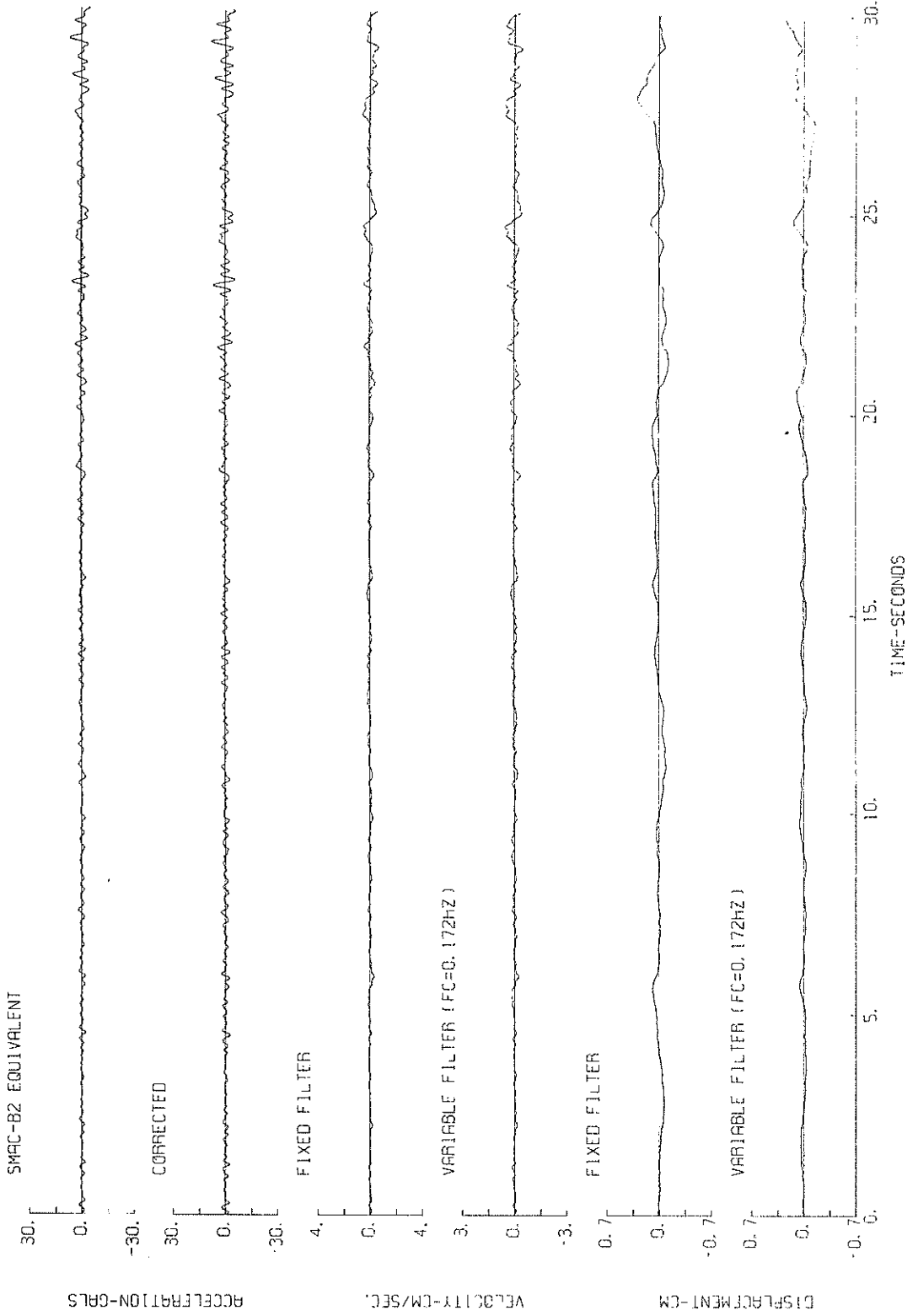
M-217 YAMASHITA-HEN-M



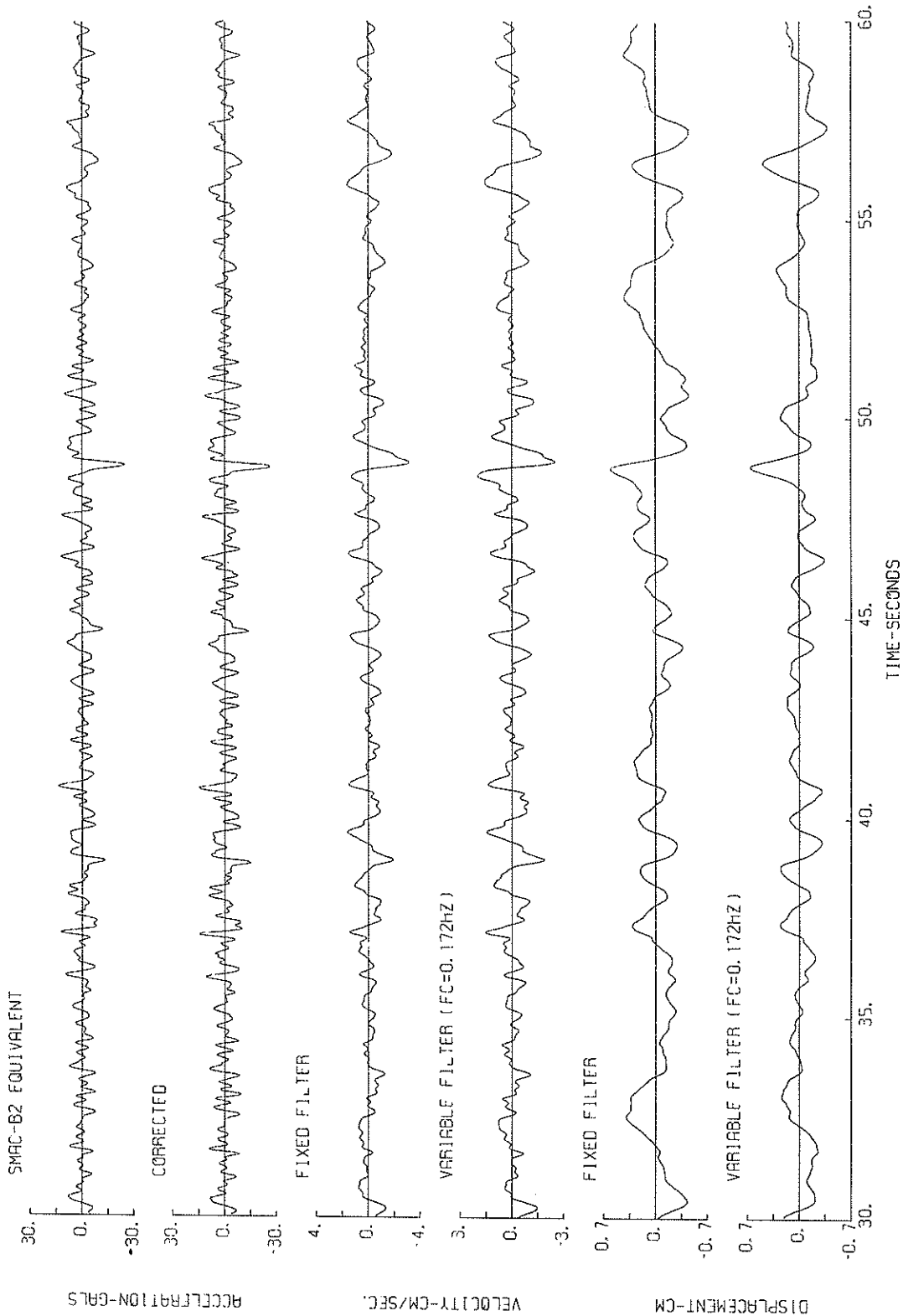
M-217 YAMASHITA-HEN-M



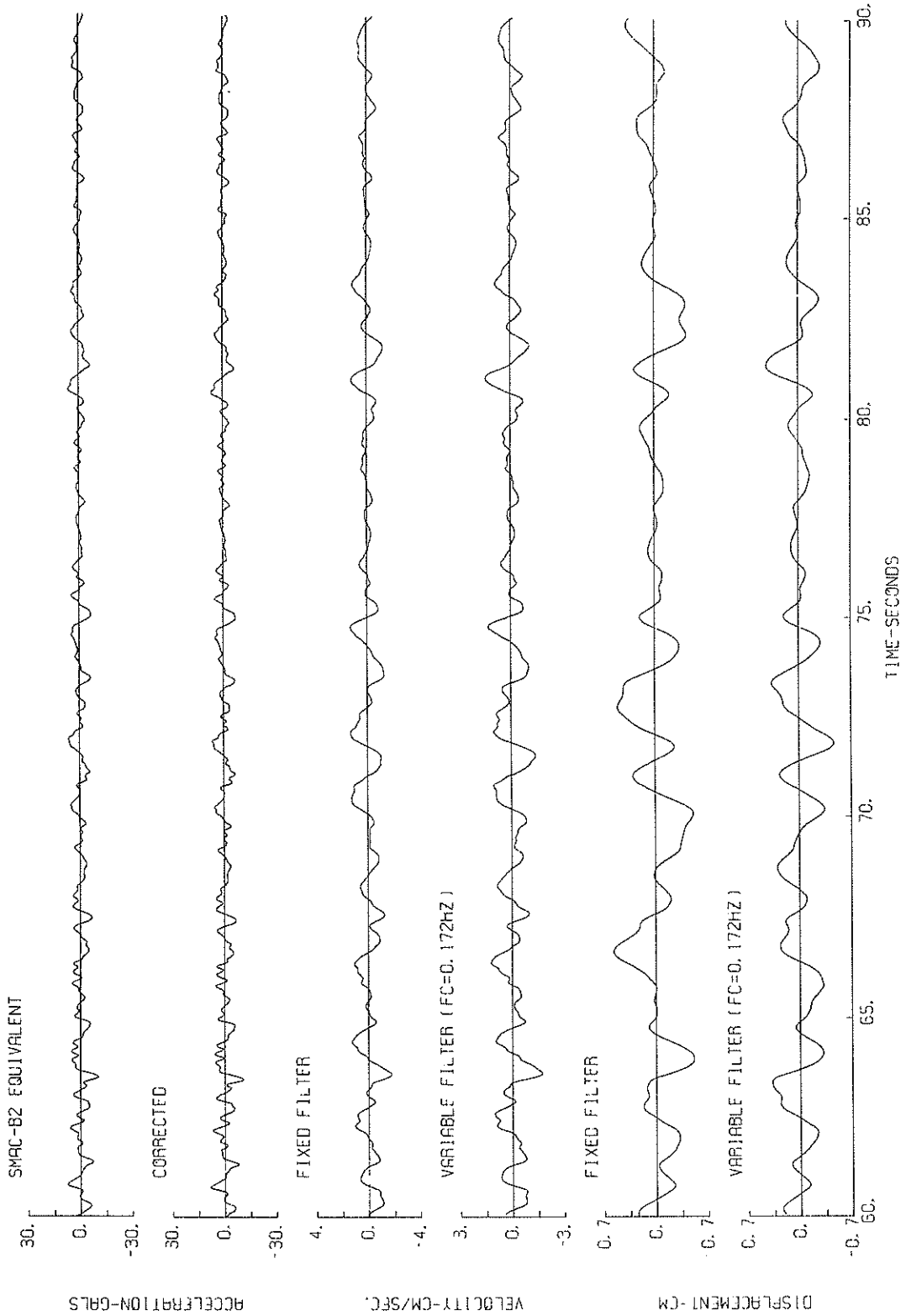
M-217 NORTH YAMASHITA-HEN-M



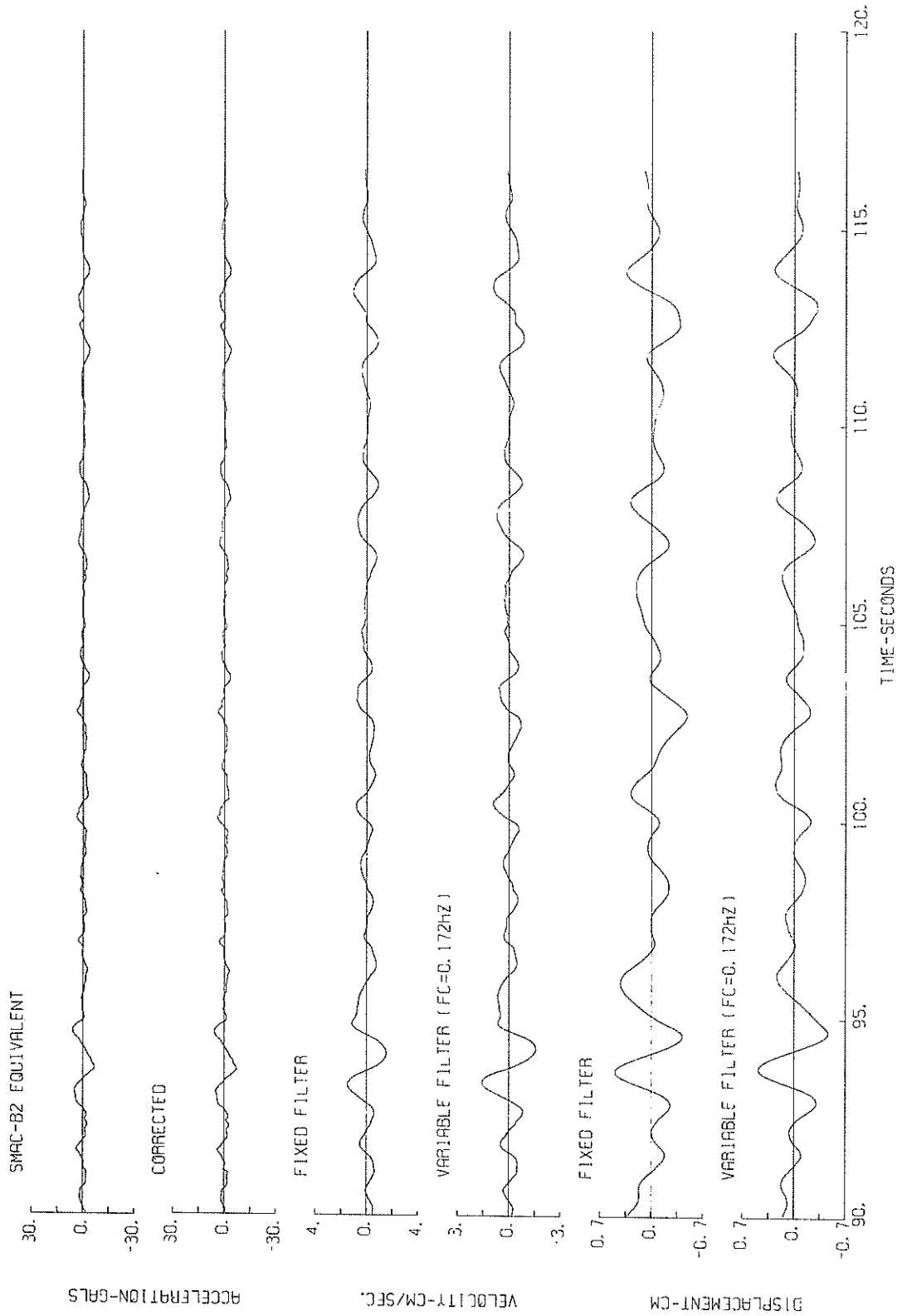
M-217 NORTH YAMASHITA-HEN-M



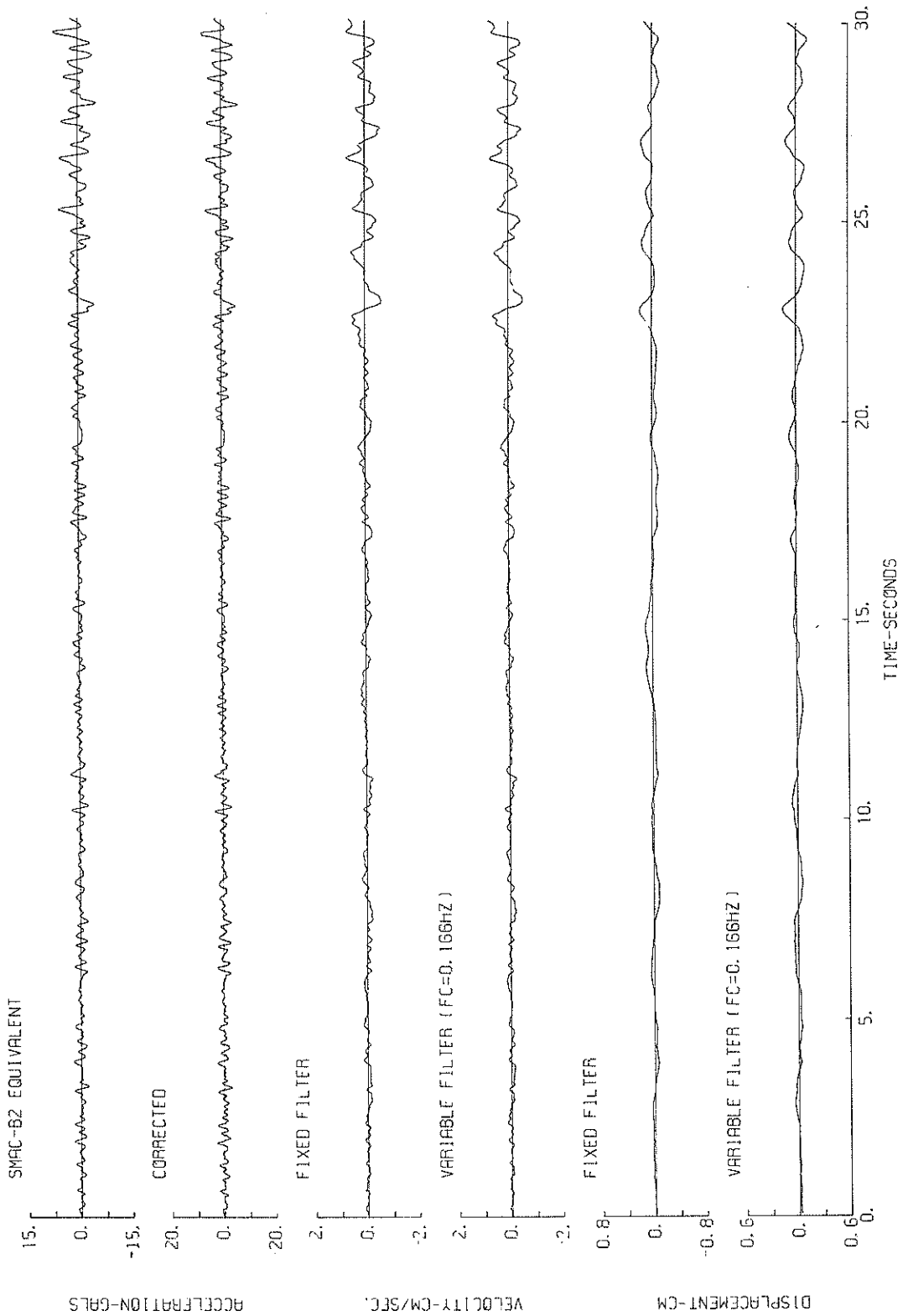
M-217 NORTH YAMASHITA-HEN-M



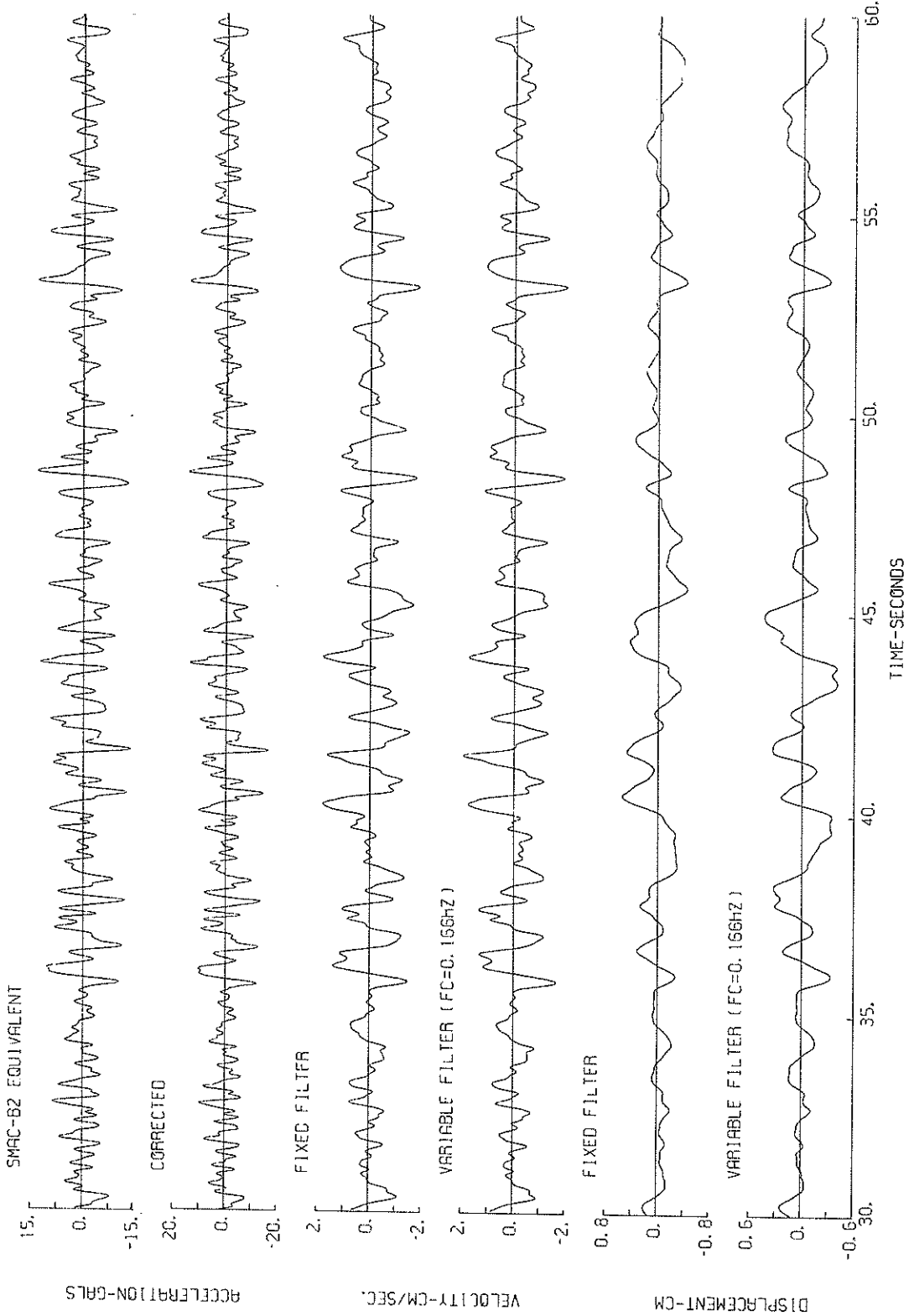
M-217 NORTH YAMASHITA-HEN-M



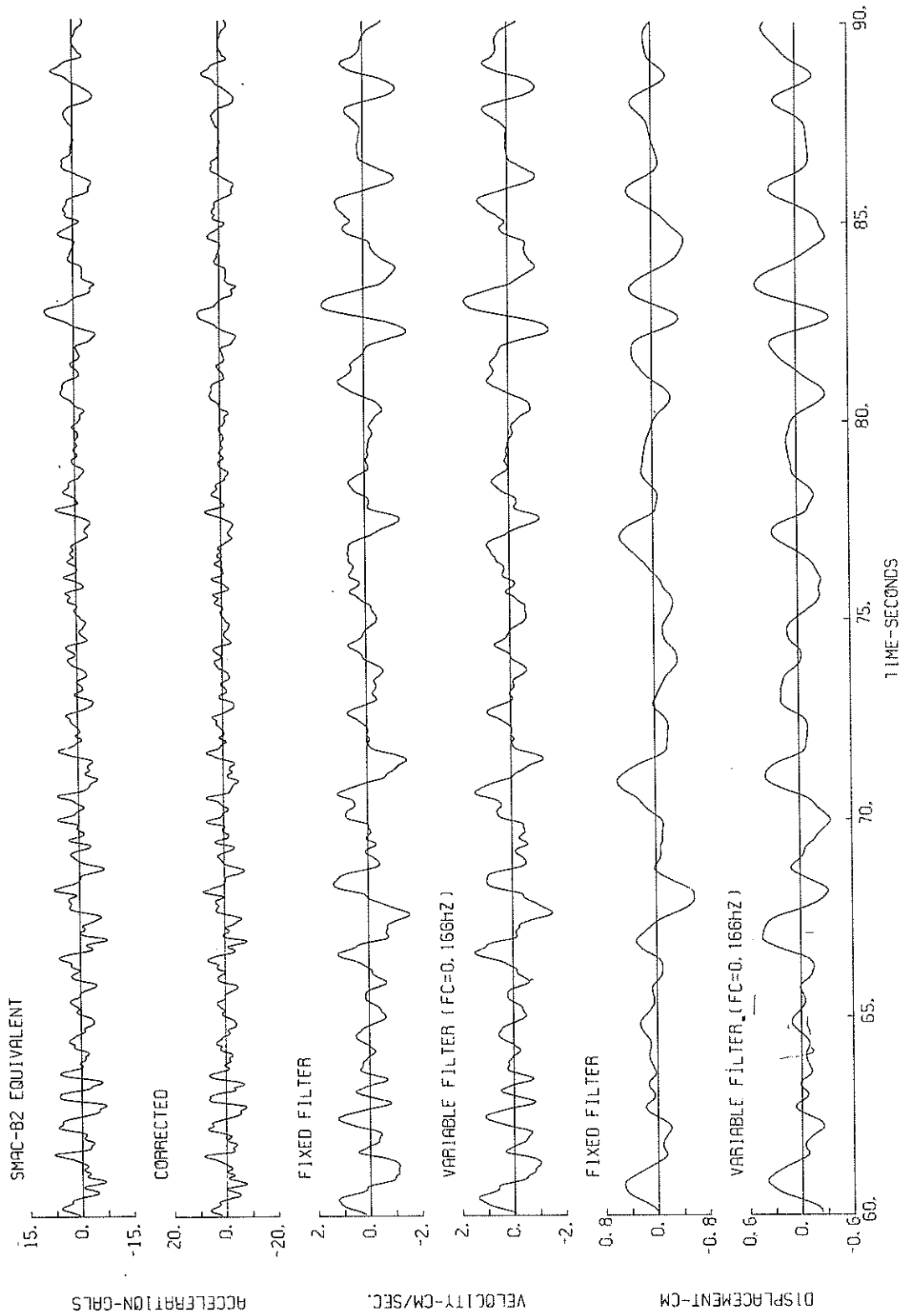
M-217 EAST YAMASHITA-HEN-M



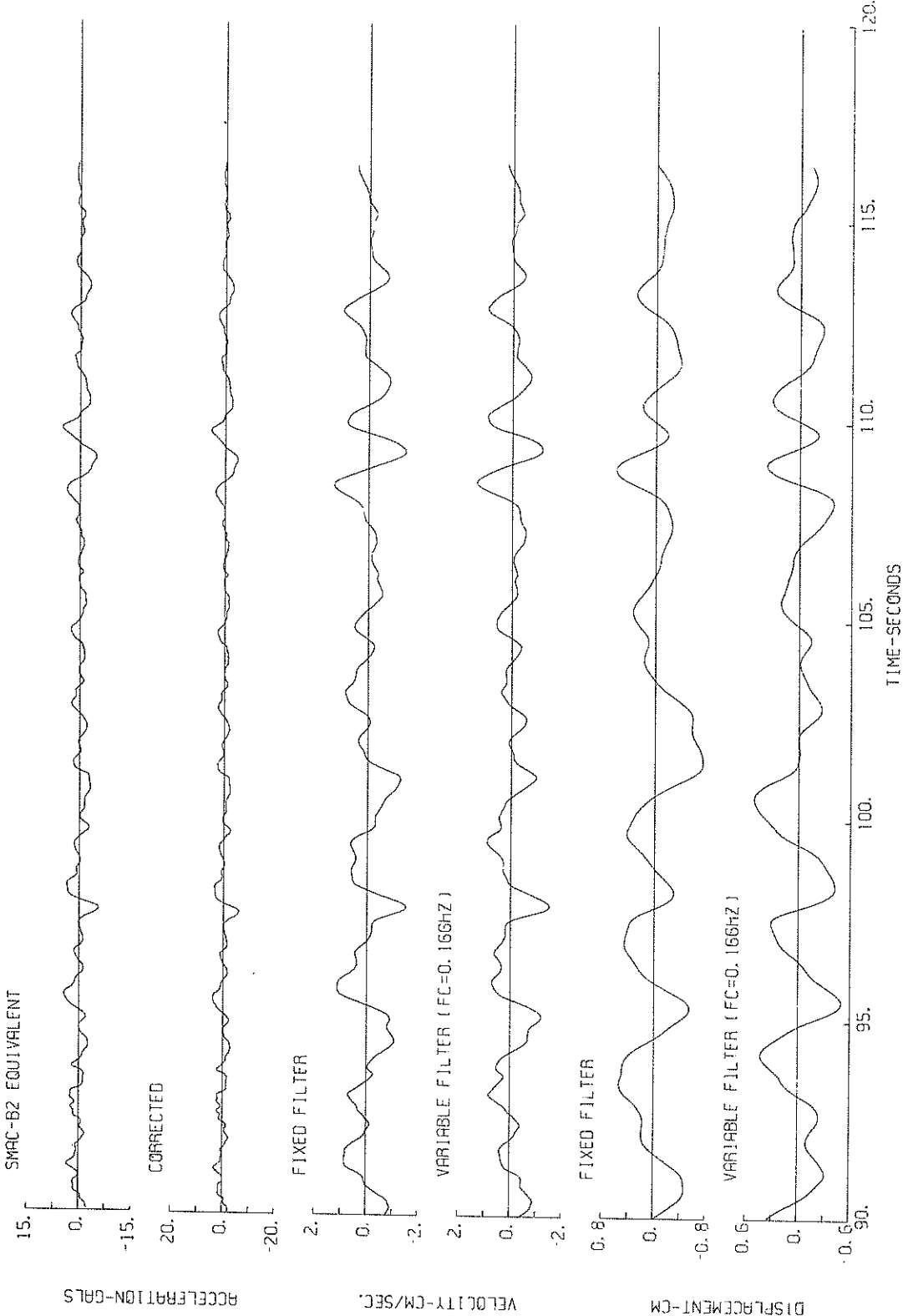
M-217 EAST YAMASHITA-HEN-M



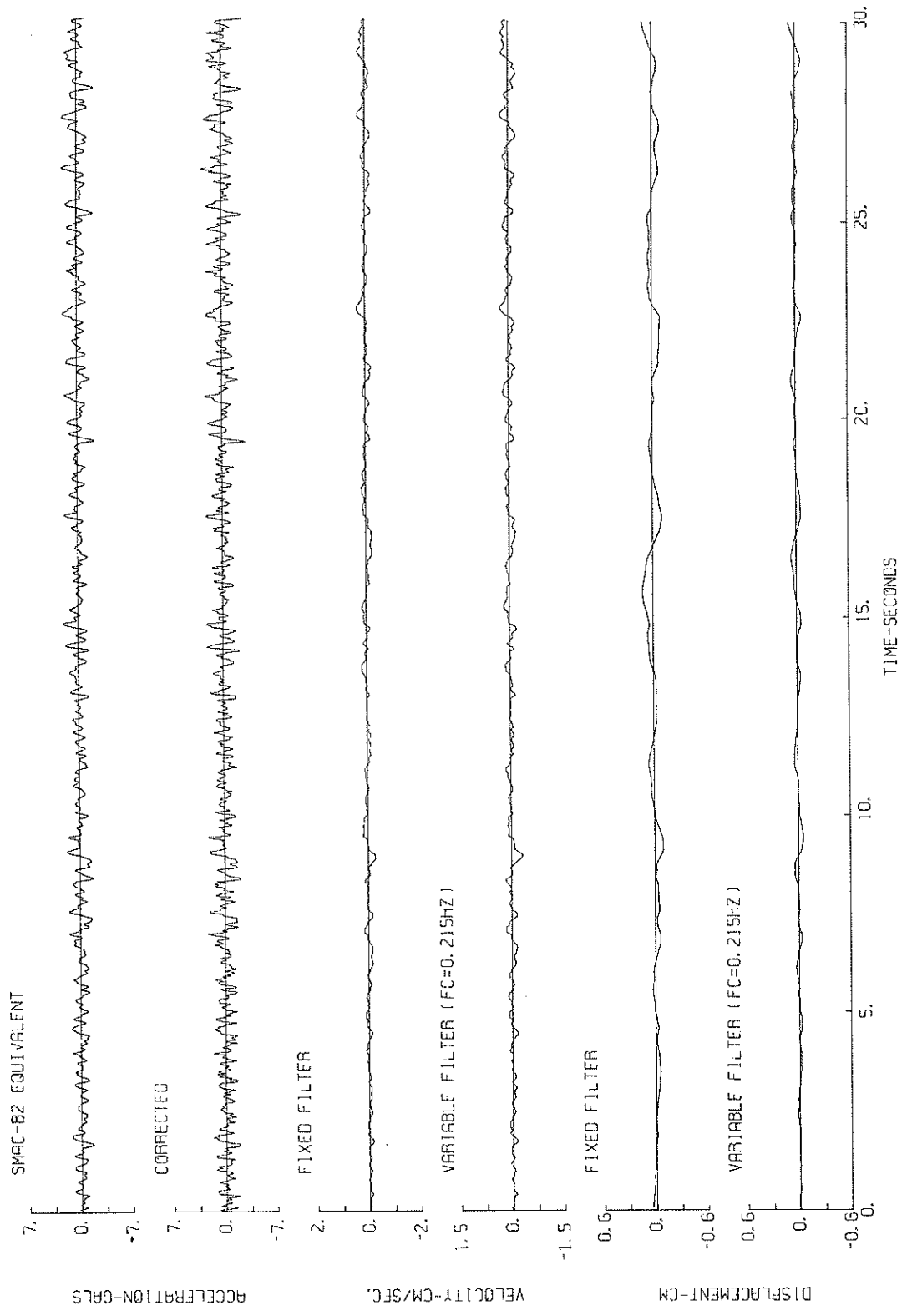
M-217 EAST YAMASHITA-HEN-M



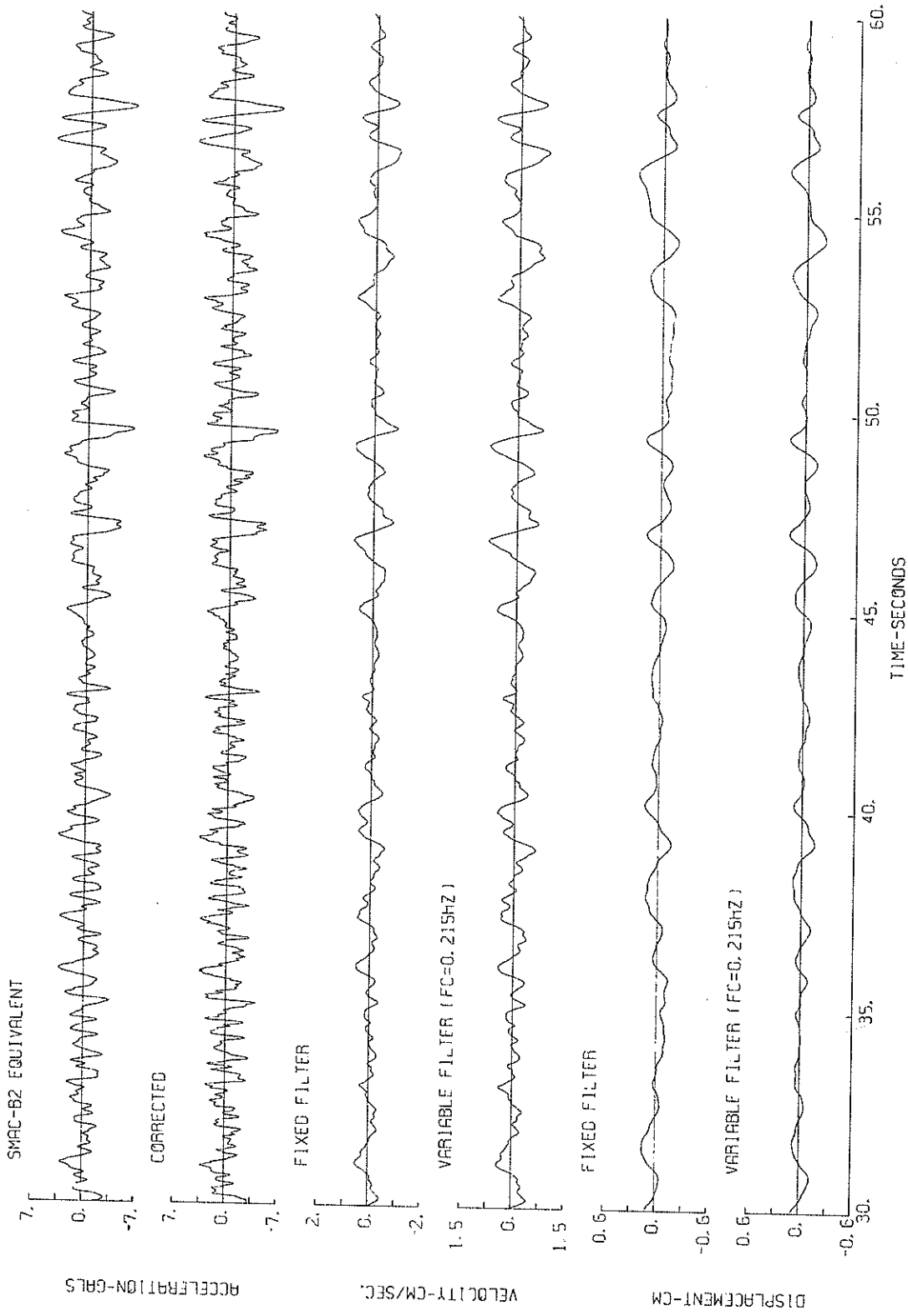
M-217 EAST YAMASHITA-HEN-M



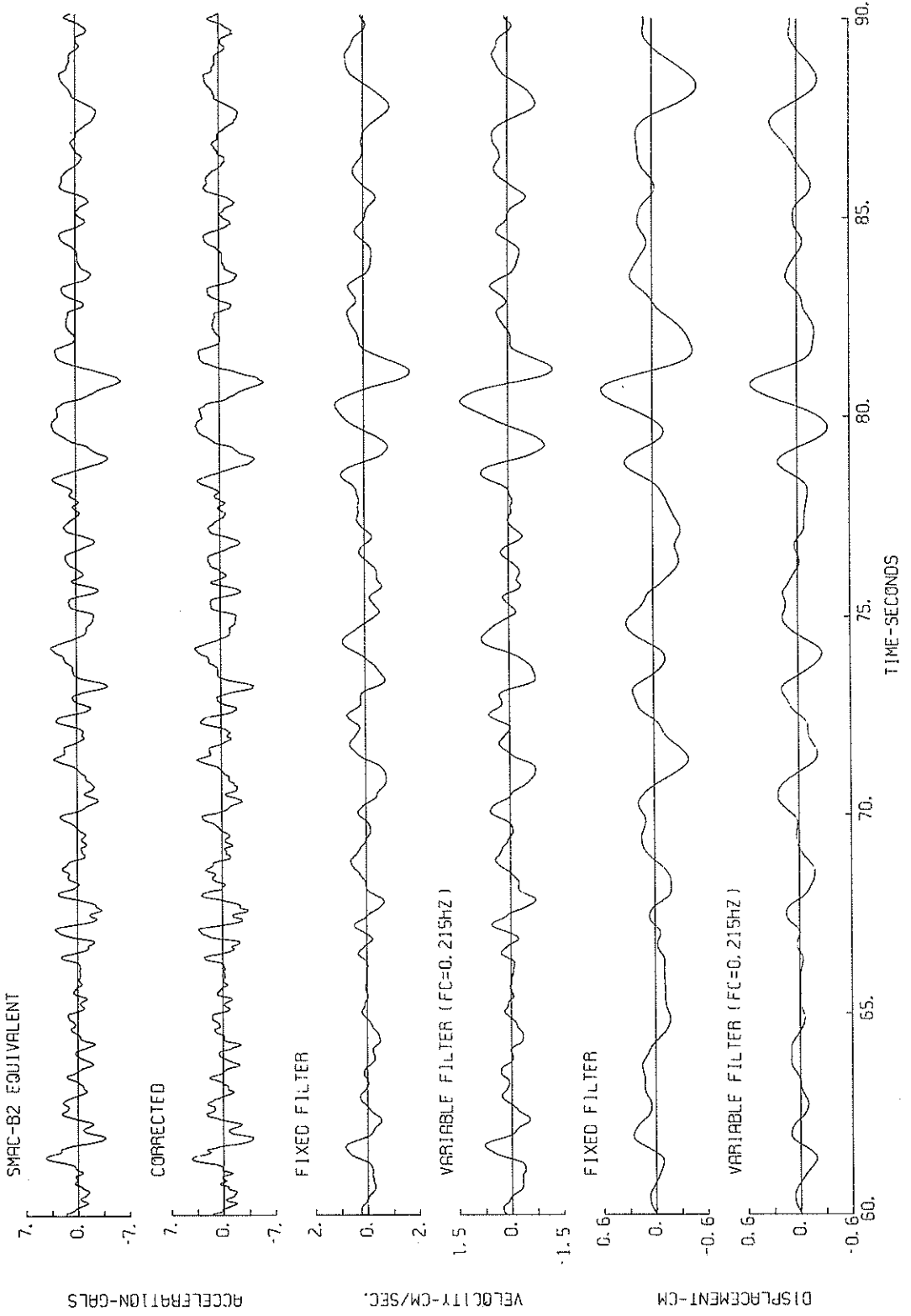
M-217 DOWN YAMASHITA-HEN-M



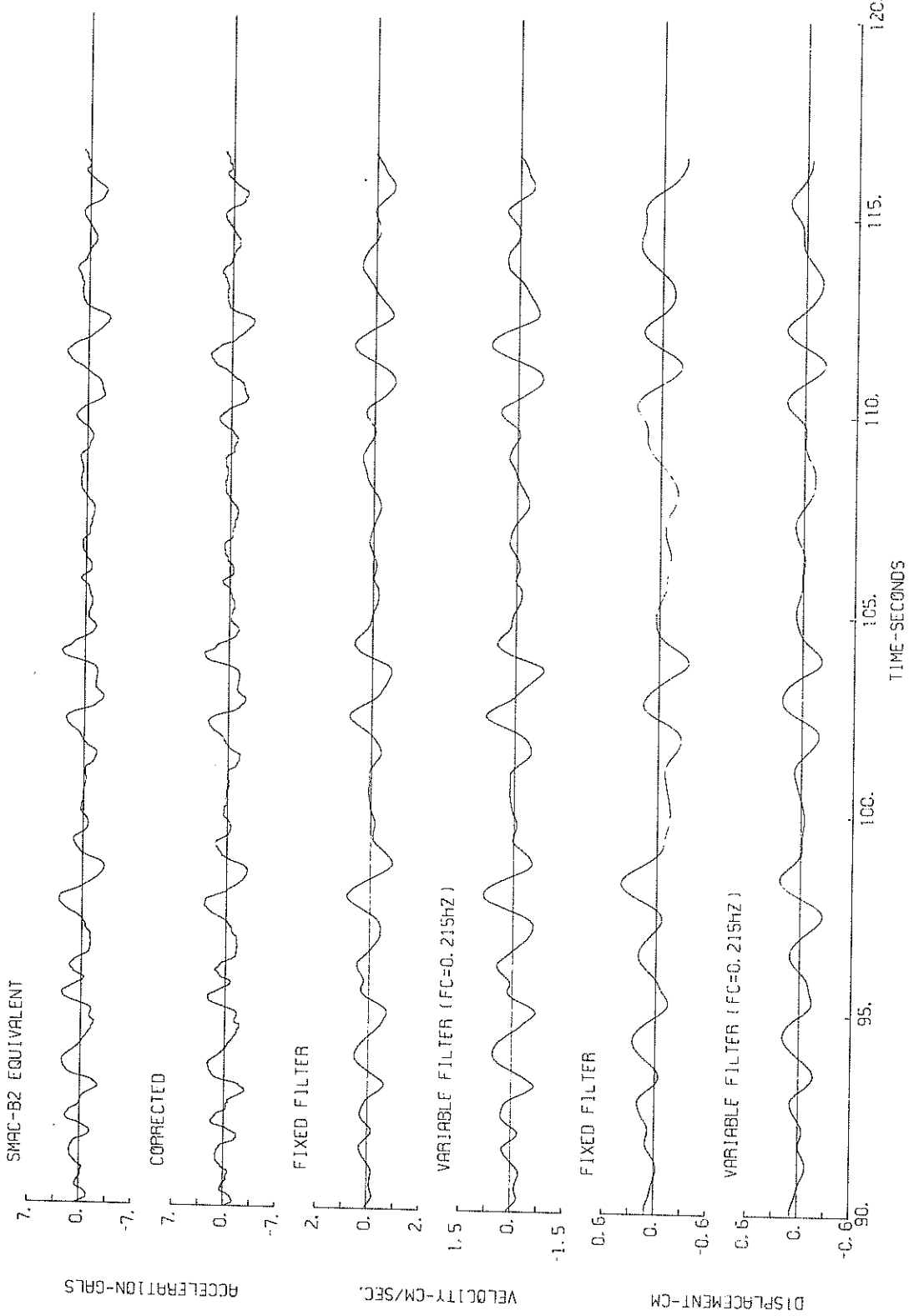
M-217 DOWN YAMASHITA-HEN-M



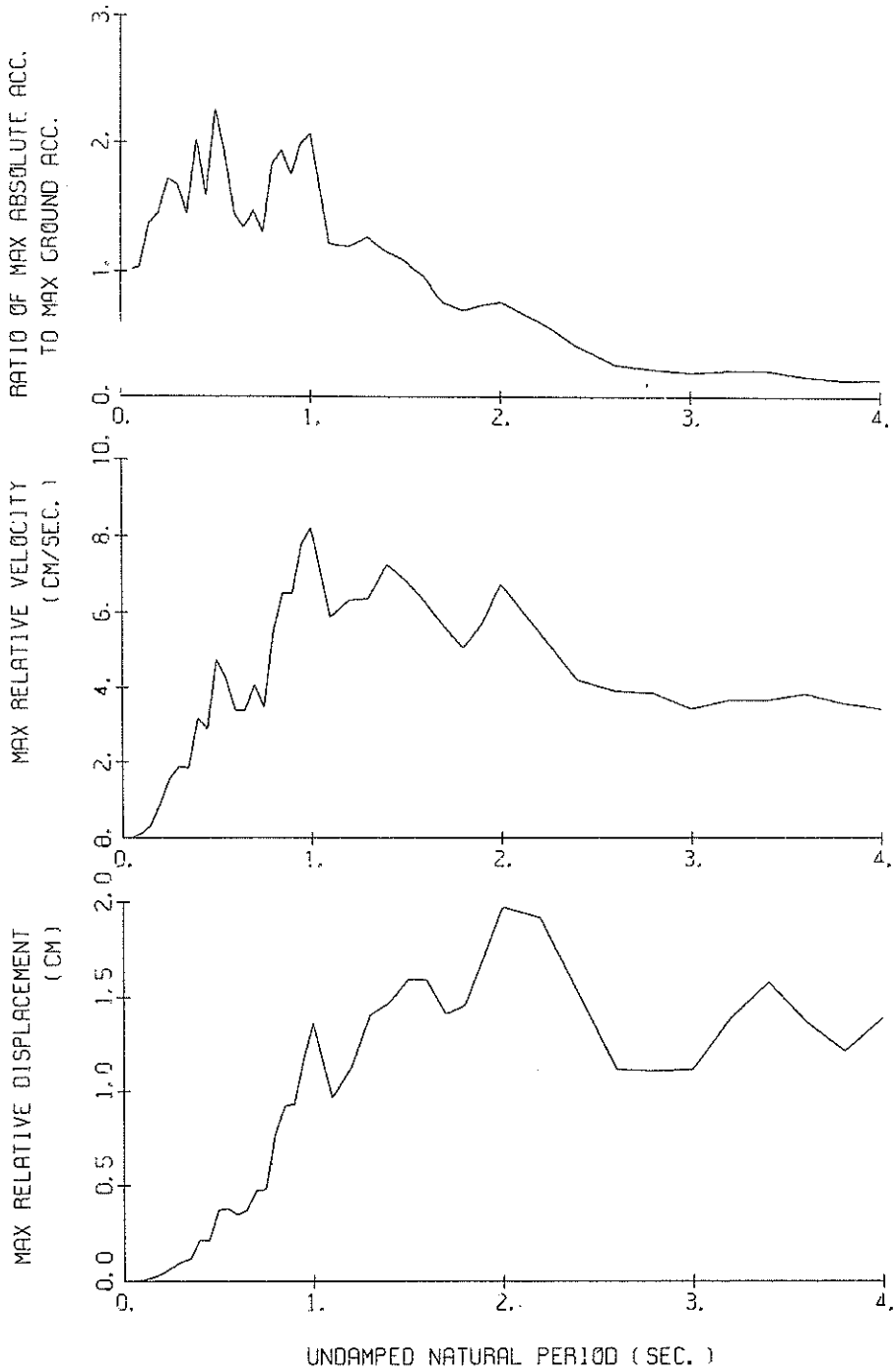
M-217 DOWN YAMASHITA-HEN-M



M-217 DOWN YAMASHITA-HEN-M

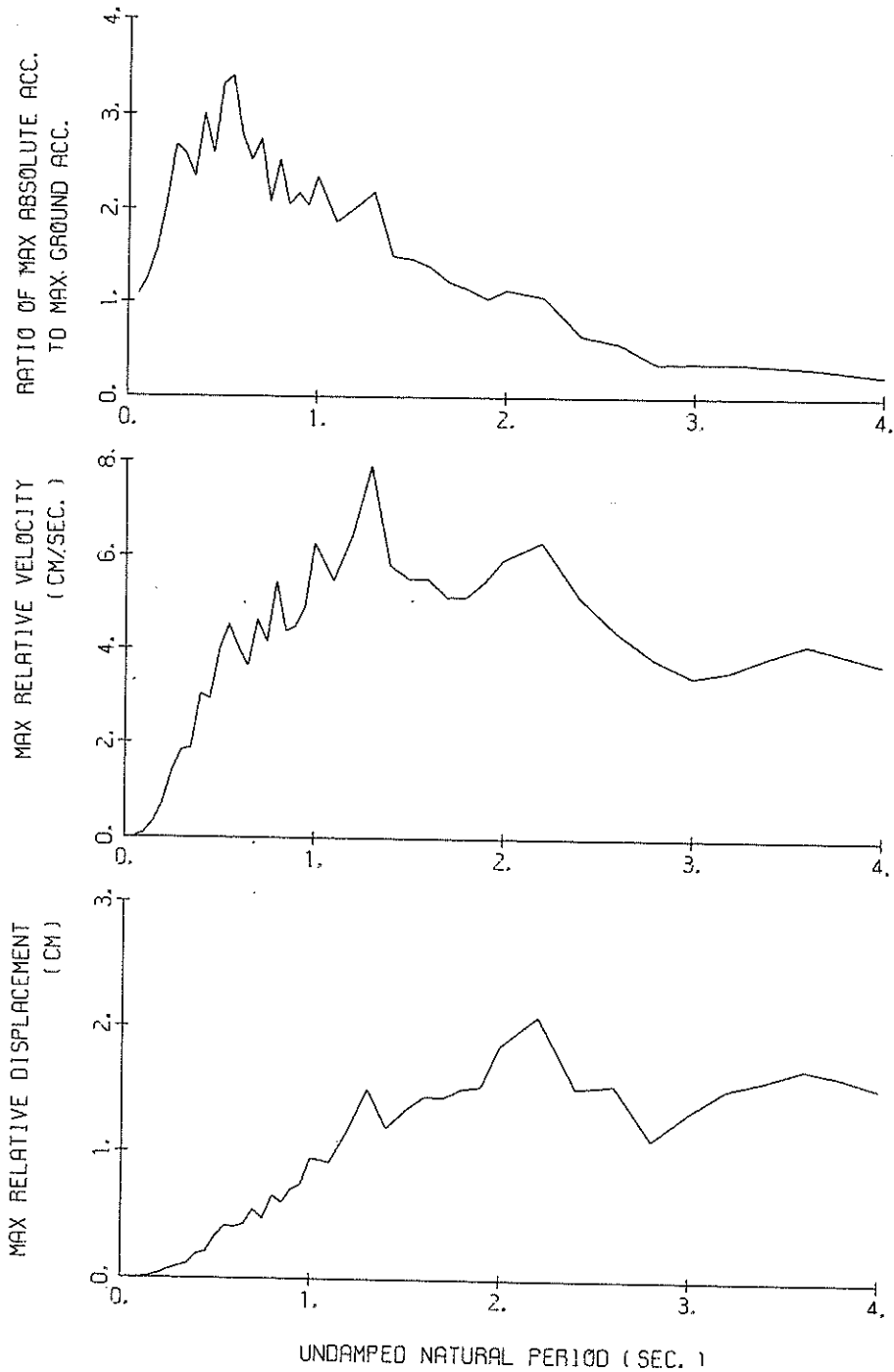


M-217 NORTH YAMASHITA-HEN-M
($1/FC=5.81$ sec.)



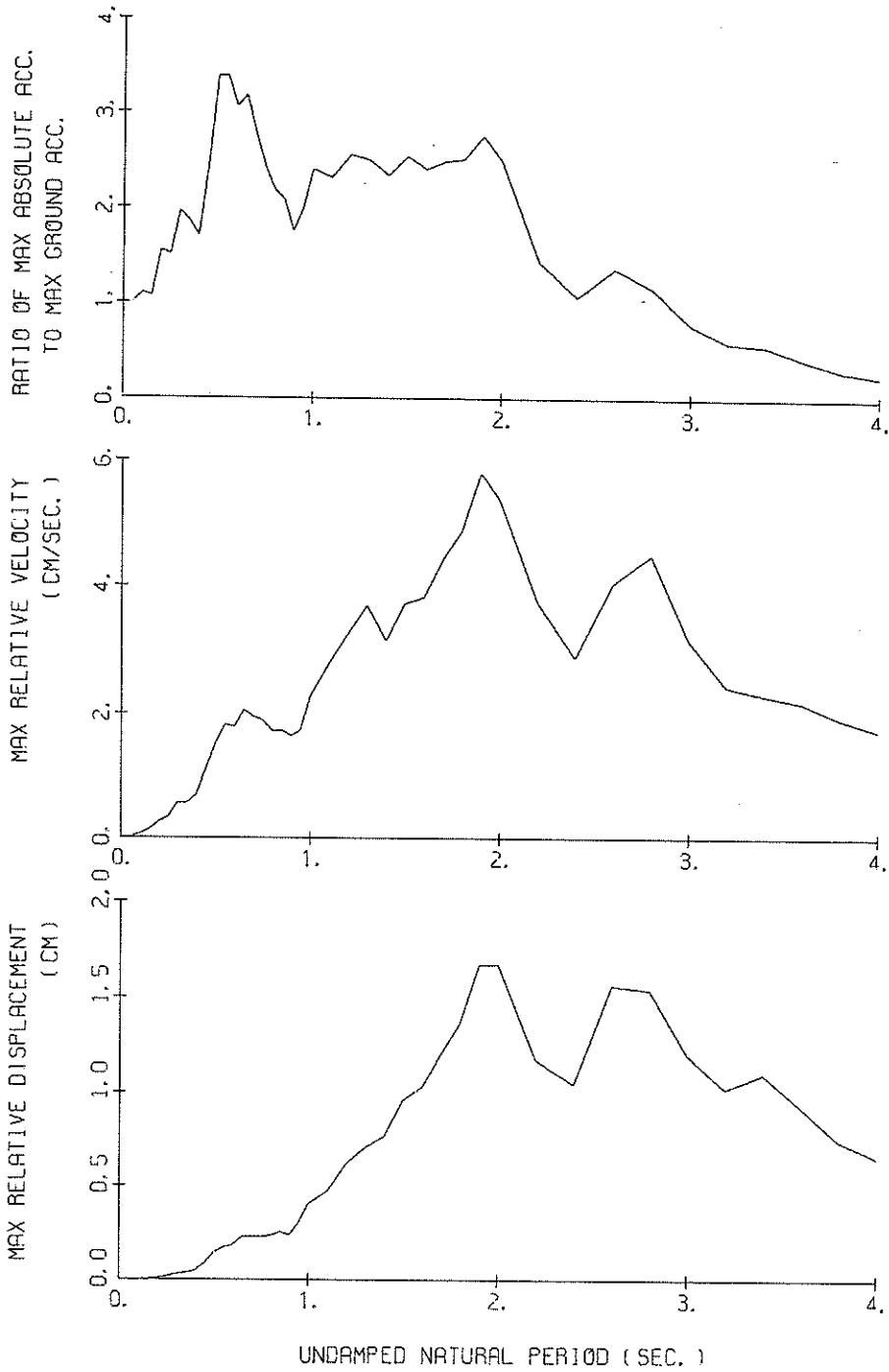
RESPONSE SPECTRA (H=0.05)

M-217 EAST YAMASHITA-HEN-M
(1/FC=6.02 sec.)



RESPONSE SPECTRA (H=0.05)

M-217 DOWN YAMASHITA-HEN-M
(1/FC=4.65 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = M-247
 DATE AND TIME = 1978-05-12-17-14
 TIME LENGTH = 60.00 (SEC)
 COMPONENT = NORTH
 SIGNAL = GR.ACC.
 SAMPRING INTERVAL = 0.0100(SEC)
 SKIPPED LENGTH = 30.00 (SEC)
 CORRECTION =
 MAX.GROUND ACC. = 26.02 (GAL)
 STATION = YAMASHITA-HEN-M

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	33.4	0.08	0.002	26.5	0.04	0.002	26.4	0.04	0.002	26.3	0.03	0.002	26.3	0.03	0.002
0.10	46.8	0.50	0.012	27.6	0.13	0.007	27.1	0.12	0.007	27.1	0.12	0.007	27.3	0.10	0.007
0.15	39.7	0.84	0.023	37.3	0.34	0.021	35.8	0.34	0.020	35.8	0.29	0.019	30.4	0.24	0.017
0.20	156.3	4.91	0.158	41.9	1.18	0.042	37.9	0.90	0.038	36.9	0.68	0.037	32.9	0.48	0.032
0.25	179.5	7.08	0.284	62.5	2.28	0.099	44.6	1.56	0.070	36.4	1.25	0.057	32.9	0.77	0.050
0.30	141.5	6.47	0.323	62.3	2.77	0.142	43.4	1.89	0.099	32.1	1.38	0.095	31.0	1.01	0.068
0.35	192.9	10.66	0.598	45.6	2.28	0.141	37.6	1.84	0.116	31.1	1.51	0.092	31.1	1.27	0.092
0.40	153.2	9.94	0.621	75.5	4.71	0.305	52.5	3.17	0.212	37.3	2.16	0.150	33.2	1.61	0.127
0.45	80.2	5.47	0.411	40.6	3.04	0.208	41.4	2.87	0.211	40.5	2.76	0.206	34.7	1.95	0.166
0.50	145.2	11.60	0.920	69.3	5.52	0.438	58.8	4.76	0.371	46.9	3.60	0.292	34.7	2.18	0.202
0.55	145.6	12.77	1.115	60.6	4.98	0.465	49.5	4.22	0.378	40.6	3.40	0.305	33.1	2.27	0.231
0.60	188.8	17.95	1.722	50.8	4.67	0.463	37.7	3.36	0.342	30.2	2.76	0.272	31.1	2.28	0.256
0.65	86.9	9.11	0.930	42.8	4.23	0.458	34.7	3.36	0.370	30.3	2.95	0.319	29.9	2.32	0.287
0.70	105.4	11.70	1.308	46.1	5.56	0.572	38.4	4.08	0.475	32.1	3.24	0.392	29.4	2.39	0.326
0.75	82.1	9.57	1.170	38.4	4.60	0.547	33.7	3.44	0.479	33.0	3.51	0.462	29.2	2.46	0.368
0.80	76.5	9.87	1.240	58.7	6.84	0.951	48.0	5.53	0.775	36.7	4.22	0.585	28.9	2.58	0.411
0.85	116.7	15.46	2.135	62.1	8.36	1.136	45.0	6.52	0.921	38.2	4.75	0.688	28.2	2.76	0.450
0.90	73.5	10.34	1.507	46.2	6.86	0.948	45.4	6.49	0.929	37.8	5.07	0.764	27.1	3.03	0.478
0.95	106.1	15.93	2.427	63.3	9.75	1.446	51.8	7.77	1.478	38.1	5.44	0.856	25.4	3.25	0.496
1.00	130.2	20.55	3.299	74.1	11.58	1.876	54.0	8.21	1.360	36.2	5.46	0.899	23.5	3.35	0.503
1.10	77.5	13.21	2.374	39.1	6.87	1.198	31.6	5.86	0.963	23.9	4.36	0.716	19.6	3.33	0.515
1.20	83.1	15.62	3.031	45.6	8.84	1.561	31.0	6.32	1.135	23.3	4.36	0.831	17.2	3.24	0.543
1.30	126.2	26.14	5.401	41.5	8.84	1.773	33.0	6.35	1.406	23.6	4.62	0.984	15.8	3.30	0.568
1.40	79.5	17.65	3.944	41.0	9.85	2.032	29.8	7.23	1.470	20.8	5.17	1.007	14.8	3.47	0.608
1.50	80.4	19.00	4.584	39.5	9.70	2.249	28.1	6.81	1.592	19.6	4.97	1.091	13.6	3.64	0.645
1.60	90.5	22.46	5.870	33.6	8.71	2.179	24.7	6.26	1.590	17.2	4.60	1.090	12.3	3.75	0.667
1.70	39.4	10.84	2.888	26.0	6.72	1.902	19.4	5.61	1.411	13.0	4.59	0.927	11.0	3.80	0.677
1.80	44.8	12.70	3.679	25.6	7.01	2.098	17.8	5.06	1.455	11.7	4.54	0.940	9.8	3.70	0.677
1.90	44.1	13.29	4.036	24.1	7.47	2.203	18.8	5.70	1.711	13.1	4.38	1.176	8.9	3.87	0.672
2.00	51.5	16.39	5.222	28.0	9.10	2.830	19.6	6.73	1.971	12.9	4.50	1.280	8.1	3.72	0.663
2.20	24.8	8.98	3.046	18.8	6.51	2.305	15.7	5.49	1.912	11.4	4.14	1.363	6.7	3.62	0.692
2.40	17.7	6.72	2.582	12.3	4.74	1.787	10.5	4.19	1.521	8.6	3.58	1.211	6.0	3.53	0.715
2.60	14.5	6.73	2.485	8.1	4.59	1.386	6.5	3.89	1.113	6.0	3.54	0.977	5.1	3.49	0.679
2.80	13.4	5.70	2.670	7.3	4.16	1.452	5.6	3.85	1.106	5.0	3.54	0.960	4.5	3.46	0.677
3.00	10.9	6.00	2.485	6.4	3.92	1.461	4.9	3.41	1.116	4.3	3.53	0.946	4.0	3.43	0.677
3.20	6.6	4.50	1.715	6.0	3.87	1.547	5.4	3.66	1.390	4.4	3.55	1.090	3.6	3.41	0.698
3.40	13.1	6.76	3.824	6.8	4.17	1.989	5.4	3.67	1.578	4.1	3.54	1.144	3.2	3.38	0.699
3.60	8.1	5.06	2.649	5.5	4.42	1.810	4.2	3.84	1.368	3.8	3.42	1.026	2.9	3.34	0.674
3.80	6.5	5.34	2.390	4.0	3.72	1.475	3.3	3.57	1.212	2.8	3.42	0.988	2.6	3.29	0.661
4.00	5.9	4.02	2.390	4.3	3.61	1.733	3.5	3.42	1.390	2.7	3.28	1.051	2.4	3.24	0.679

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

RESPONSE SPECTRUM

RECORD = M-217 COMPONENT = EAST SIGNAL = GR. ACC. CORRECTION = STATION = YAMASHITA-HEN-M
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX. GROUND ACC. = 16.16 (GAL)
 TIME LENGTH = 60.00 (SEC) SKIPPED LENGTH = 30.00 (SEC) DAMPING = 0.050 DAMPING = 0.100 DAMPING = 0.250

PER	AA	RV	RD	AA	RV	RD	AA	RV	RD	AA	RV	RD
0.05	26.8	0.11	0.002	17.8	0.03	0.001	17.3	0.03	0.001	16.9	0.03	0.001
0.10	26.2	0.23	0.007	20.8	0.11	0.005	20.3	0.10	0.005	19.5	0.09	0.005
0.15	72.1	1.57	0.041	29.3	0.41	0.015	25.1	0.33	0.012	19.5	0.25	0.011
0.20	112.9	3.33	0.114	38.0	0.95	0.038	33.2	0.74	0.033	29.3	0.57	0.033
0.25	193.4	7.50	0.306	49.2	1.68	0.1078	43.4	1.40	0.1068	35.6	1.04	0.1038
0.30	142.2	6.58	0.324	60.3	2.60	0.137	47.8	1.83	0.095	30.9	1.20	0.050
0.35	144.4	7.42	0.448	51.1	2.60	0.158	37.9	1.88	0.117	29.6	1.38	0.069
0.40	154.1	9.69	0.625	72.8	4.56	0.294	48.6	3.02	0.196	33.1	1.84	0.090
0.45	99.4	6.89	0.510	58.4	4.04	0.300	41.9	2.93	0.214	32.2	1.97	0.123
0.50	142.5	11.27	0.902	56.8	4.39	0.359	53.7	3.98	0.339	42.4	2.92	0.158
0.55	120.4	10.22	0.923	60.6	5.19	0.464	55.1	4.54	0.420	43.2	3.31	0.188
0.60	217.9	20.74	1.987	54.7	5.07	0.498	45.0	4.01	0.408	37.1	3.25	0.209
0.65	93.7	9.57	1.003	46.0	4.28	0.492	40.7	3.63	0.434	33.2	3.03	0.225
0.70	170.8	18.77	2.120	60.1	6.37	0.744	44.4	4.63	0.548	32.7	3.36	0.238
0.75	132.2	8.61	1.029	44.4	5.28	0.632	33.6	4.14	0.676	29.5	3.57	0.255
0.80	172.0	16.88	2.140	54.4	7.07	0.881	40.8	5.45	0.859	28.2	3.93	0.268
0.85	132.4	18.25	2.424	50.4	6.80	0.921	33.1	4.39	0.604	24.7	3.60	0.277
0.90	75.2	10.16	1.543	43.4	5.92	0.889	35.4	4.49	0.716	24.2	3.31	0.284
0.95	169.9	26.26	3.885	51.4	7.86	1.173	33.0	4.91	0.749	24.2	3.54	0.303
1.00	76.4	12.95	1.935	52.1	8.75	1.318	38.0	6.27	0.956	25.2	4.20	0.335
1.10	104.8	18.27	3.213	43.4	7.68	1.329	30.1	5.46	0.918	24.7	4.46	0.385
1.20	71.2	13.47	2.598	42.0	8.16	1.531	32.7	6.44	1.184	23.3	4.96	0.446
1.30	78.7	16.29	3.767	48.0	10.67	2.051	35.4	7.90	1.506	23.5	5.28	0.501
1.40	54.6	12.18	2.712	30.7	7.53	1.520	24.3	5.79	1.197	18.2	4.04	0.668
1.50	42.5	10.23	2.623	28.7	7.40	1.691	23.6	5.51	1.342	17.9	4.07	0.688
1.60	98.5	24.72	6.587	29.8	7.90	1.930	22.4	5.51	1.445	17.3	4.36	0.644
1.70	31.3	9.23	2.291	21.8	6.00	1.591	19.7	5.12	1.438	16.1	4.32	0.690
1.80	52.7	15.13	4.327	24.7	6.55	2.021	18.5	5.11	1.510	14.6	4.13	0.729
1.90	47.9	14.33	4.379	23.5	7.38	2.150	16.8	5.47	1.532	13.1	3.90	0.762
2.00	46.5	14.80	4.711	27.2	8.45	2.752	18.4	5.93	1.854	13.0	4.18	0.787
2.20	31.3	10.89	3.834	22.0	7.96	2.687	17.2	6.31	2.092	11.9	4.67	0.796
2.40	24.8	10.66	3.616	13.5	5.92	1.967	10.5	5.14	1.516	8.5	4.32	0.742
2.60	14.0	7.23	2.405	10.6	5.08	1.805	9.1	4.37	1.546	7.7	3.64	0.725
2.80	15.8	6.95	3.140	7.2	3.94	1.418	5.7	3.78	1.113	5.0	3.15	0.718
3.00	8.6	4.92	1.970	6.8	3.78	1.540	5.9	3.41	1.335	5.0	2.85	0.772
3.20	18.6	9.33	4.830	8.3	4.52	2.140	5.9	3.56	1.522	5.0	2.73	0.808
3.40	9.0	5.80	2.637	6.0	4.32	1.742	5.5	3.87	1.589	4.7	3.17	0.816
3.60	8.0	6.08	2.615	6.1	4.89	2.003	5.2	4.13	1.679	4.2	3.25	0.792
3.80	10.8	6.92	3.957	5.4	4.54	1.950	4.5	3.92	1.619	3.5	3.17	0.738
4.00	8.4	6.07	3.420	4.9	4.22	1.987	3.8	3.70	1.531	3.0	3.05	0.728

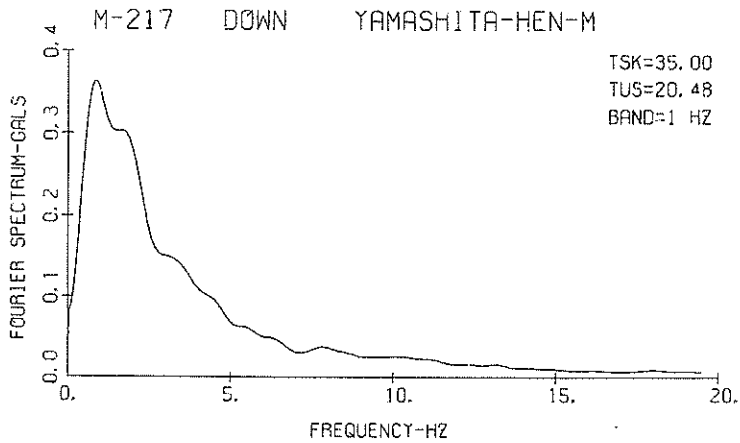
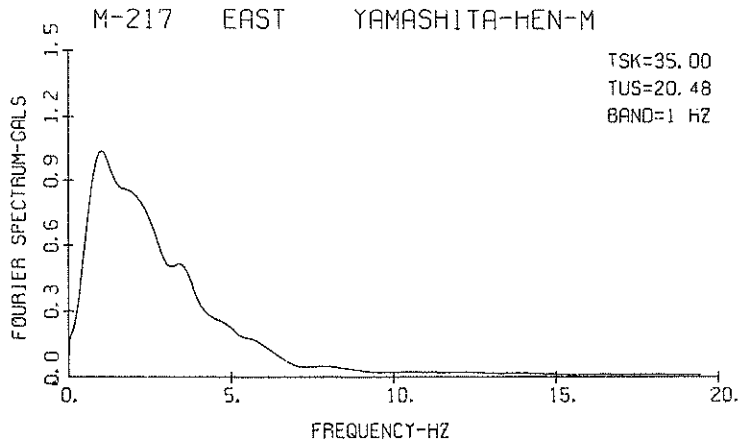
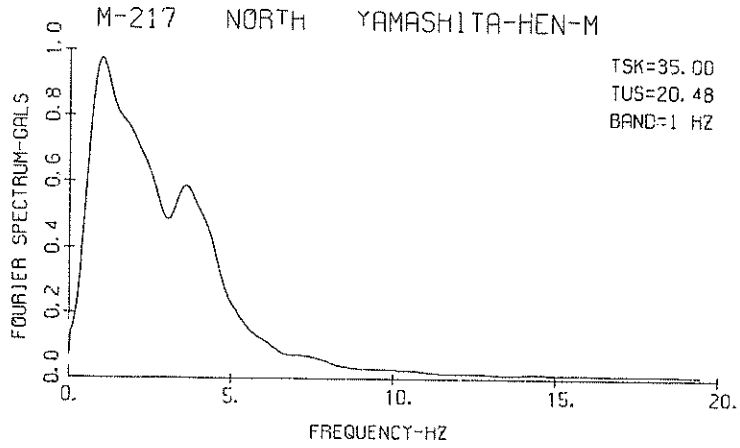
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = M-217 COMPONENT = DOWN SIGNAL = GR.ACC. CORRECTION = STATION = YAMASHITA-HEN-M
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 5.64 (GAL)
 TIME LENGTH = 60.00 (SEC) SKIPPED LENGTH = 30.00 (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	42.2	0.06	0.001	6.8	0.02	0.000	6.7	0.02	0.000	6.7	0.02	0.000	6.6	0.02	0.000	
0.10	24.5	0.36	0.006	7.5	0.09	0.002	7.3	0.07	0.002	7.2	0.05	0.002	6.8	0.03	0.002	
0.15	31.3	0.66	0.018	9.3	0.18	0.005	7.1	0.14	0.004	7.1	0.11	0.004	7.1	0.07	0.004	
0.20	38.1	1.15	0.039	12.1	0.33	0.012	10.3	0.26	0.010	9.0	0.18	0.009	7.6	0.12	0.008	
0.25	32.2	1.49	0.051	11.9	0.38	0.019	10.0	0.34	0.016	8.9	0.28	0.014	7.6	0.20	0.012	
0.30	95.6	4.43	0.218	18.7	0.83	0.043	13.0	0.57	0.030	8.9	0.38	0.020	7.7	0.27	0.017	
0.35	54.3	2.96	0.169	15.0	0.76	0.047	12.3	0.57	0.038	8.8	0.46	0.030	8.7	0.34	0.026	
0.40	47.0	2.86	0.189	12.4	0.79	0.050	11.3	0.70	0.045	11.1	0.56	0.045	9.9	0.40	0.038	
0.45	46.6	3.23	0.239	23.1	1.61	0.118	16.2	1.12	0.083	14.5	0.72	0.074	11.0	0.47	0.053	
0.50	51.9	3.89	0.329	28.1	1.97	0.178	22.5	1.52	0.142	17.4	1.09	0.108	11.6	0.62	0.068	
0.55	73.9	6.45	0.566	26.6	2.12	0.303	22.5	1.82	0.172	17.2	1.39	0.130	11.6	0.77	0.081	
0.60	110.1	10.38	1.004	21.5	1.87	0.196	20.3	1.79	0.184	16.4	1.50	0.147	11.0	0.86	0.091	
0.65	53.8	5.44	0.375	25.6	2.45	0.273	21.1	2.06	0.225	15.9	1.58	0.167	10.2	0.91	0.099	
0.70	68.0	7.39	0.844	21.3	2.27	0.285	18.4	1.95	0.227	14.3	1.54	0.174	9.2	0.91	0.103	
0.75	55.7	6.62	0.794	21.3	2.51	0.303	16.1	1.89	0.228	12.1	1.40	0.169	8.3	0.89	0.105	
0.80	53.4	6.72	0.866	18.6	2.21	0.302	14.4	1.72	0.233	10.8	1.30	0.171	8.0	0.88	0.120	
0.85	30.0	4.26	0.580	17.1	2.20	0.312	13.8	1.73	0.252	10.5	1.35	0.188	8.3	0.93	0.138	
0.90	71.1	9.92	1.458	14.1	2.36	0.343	11.6	1.64	0.237	9.9	1.35	0.199	8.4	0.98	0.156	
0.95	35.1	5.21	0.802	16.3	2.32	0.373	13.2	1.74	0.301	10.2	1.47	0.231	8.5	1.02	0.175	
1.00	39.6	6.27	1.002	22.0	3.23	0.556	15.9	2.28	0.402	11.3	1.70	0.281	8.7	1.08	0.194	
1.10	25.7	4.54	0.787	17.5	3.15	0.536	15.4	2.80	0.469	12.5	2.16	0.374	8.7	1.19	0.229	
1.20	35.1	6.53	1.279	21.0	4.04	0.765	17.0	3.26	0.616	12.9	2.35	0.458	8.1	1.31	0.247	
1.30	61.9	12.59	2.651	23.3	4.79	0.997	16.6	3.70	0.707	11.3	2.64	0.472	7.6	1.45	0.306	
1.40	62.1	13.35	3.081	23.6	4.78	1.172	15.5	3.15	0.768	10.9	2.39	0.530	8.3	1.51	0.382	
1.50	30.9	7.40	1.759	19.7	4.66	1.119	16.9	3.73	0.959	12.9	2.84	0.708	8.6	1.74	0.462	
1.60	20.6	5.30	1.336	16.5	3.90	1.071	16.0	3.83	1.030	12.9	3.23	0.820	9.1	1.93	0.539	
1.70	52.0	14.05	3.808	20.1	5.33	1.667	16.5	4.43	1.205	13.1	3.59	0.945	9.2	2.09	0.608	
1.80	26.2	7.84	2.151	18.8	5.20	1.539	16.7	4.88	1.366	13.5	3.93	1.090	9.1	2.20	0.666	
1.90	25.3	7.56	2.313	23.5	7.30	2.144	18.4	5.81	1.669	13.7	4.16	1.228	8.8	2.24	0.710	
2.00	23.8	7.70	2.413	18.8	6.10	1.900	16.6	5.37	1.671	12.7	3.98	1.261	8.4	2.27	0.739	
2.20	19.2	6.81	2.351	12.1	4.43	1.483	9.6	3.76	1.172	9.1	3.38	1.088	7.2	2.40	0.759	
2.40	13.6	5.53	1.979	8.4	3.48	1.224	7.2	2.89	1.043	7.3	2.99	1.033	6.2	2.44	0.758	
2.60	13.3	5.86	2.272	11.3	4.88	1.928	9.2	4.06	1.559	7.1	3.39	1.177	5.3	2.44	0.743	
2.80	16.9	7.96	3.365	10.2	5.61	2.024	7.8	4.50	1.538	5.6	3.43	1.085	4.4	2.39	0.703	
3.00	6.5	3.52	1.473	6.2	3.51	1.414	5.3	3.17	1.198	4.4	2.80	0.959	3.6	2.28	0.649	
3.20	6.8	4.46	1.766	4.9	3.02	1.164	4.0	2.44	1.021	3.2	2.25	0.811	3.0	2.15	0.624	
3.40	7.9	4.63	2.327	4.9	2.97	1.425	3.8	2.31	1.099	2.9	2.09	0.815	2.6	2.04	0.598	
3.60	3.8	2.90	1.250	3.1	2.43	1.019	2.8	2.19	0.923	2.4	2.04	0.756	2.3	1.96	0.575	
3.80	2.9	2.52	1.048	2.1	2.12	0.765	2.1	1.93	0.743	1.9	1.90	0.662	2.0	1.89	0.556	
4.00	2.0	1.78	0.795	1.8	1.77	0.712	1.6	1.74	0.652	1.5	1.79	0.572	1.8	1.84	0.540	

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



FOURIER SPECTRA

RECORD NUMBER

M-220

STATION

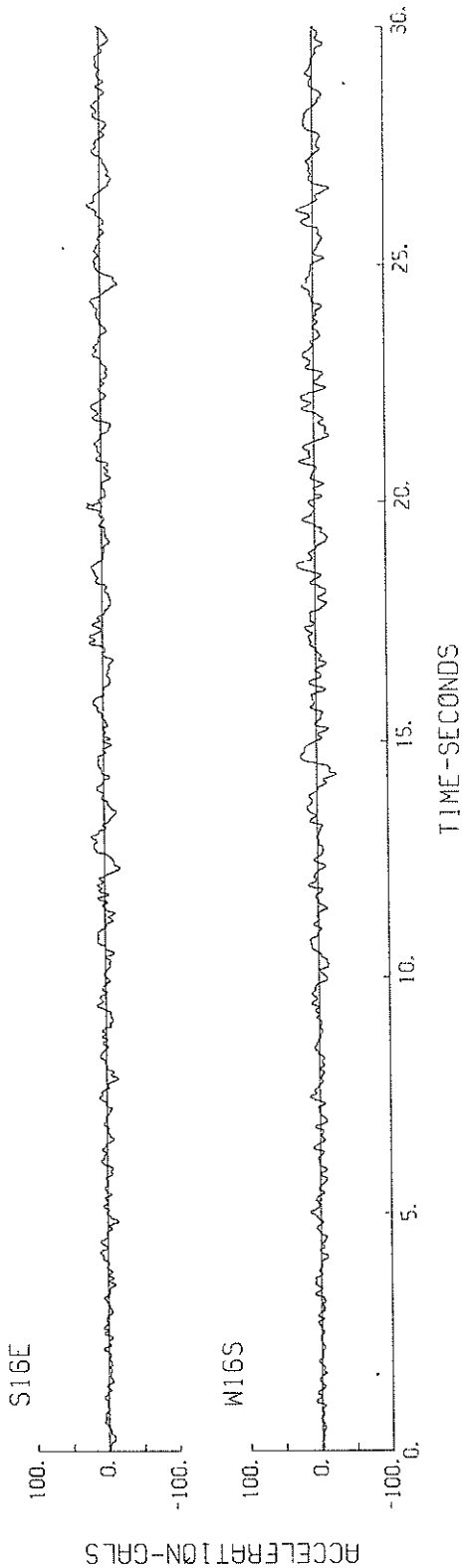
KAWASAKI-DAI5-CHI-M

EARTHQUAKE DATA

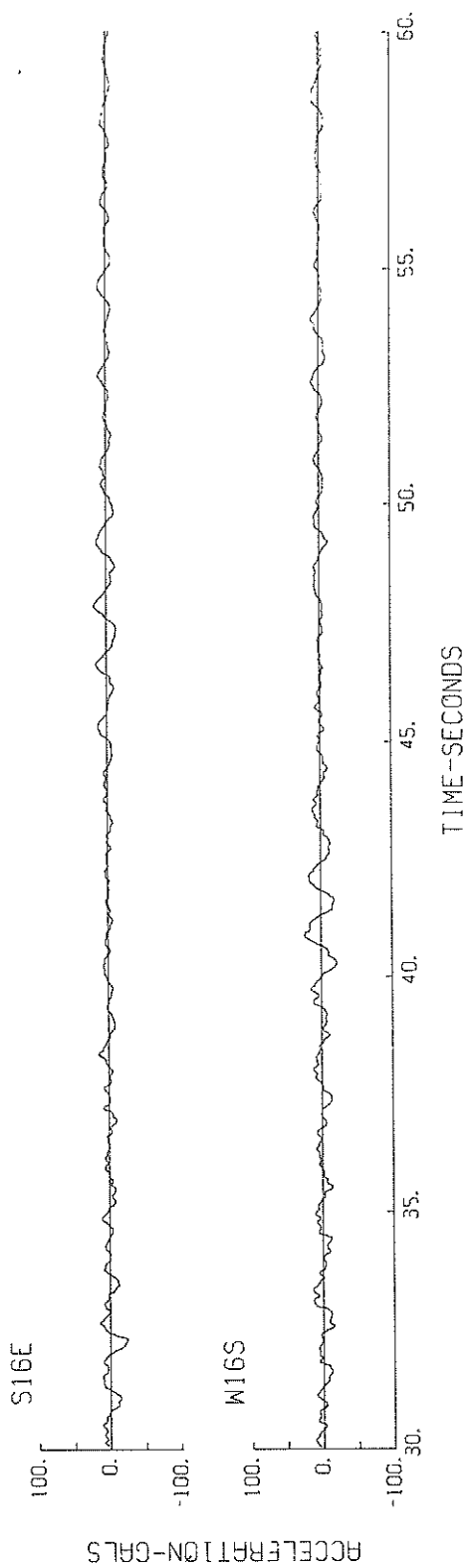
```
*****
*
*   DATE AND TIME           17:14 JUNE 12,1978   *
*
*   LOCATION OF HYPOCENTER
*   EPICENTRAL REGION      OFF MIYAGI PREF.      *
*   LATITUDE                38.15 N             *
*   LONGITUDE               142.17 E           *
*   DEPTH                   40 KM              *
*
*   MAGNITUDE              7.4                 *
*
*****
```

PARAMETER OF THE VARIABLE FILTER	COMPONENT	
	S16E	W16S
FC (HZ)	0.097	0.091
MAXIMUM ACCELERATION (GAL)		
ORIGINAL	24.1	26.8
SMAC-B2 EQUIVALENT	23.9	24.6
CORRECTED	24.7	26.9
MAXIMUM VELOCITY (CM/SEC.)		
FIXED FILTER	4.33	4.71
VARIABLE FILTER	4.19	5.06
MAXIMUM DISPLACEMENT (CM)		
FIXED FILTER	1.26	1.47
VARIABLE FILTER	1.36	1.41

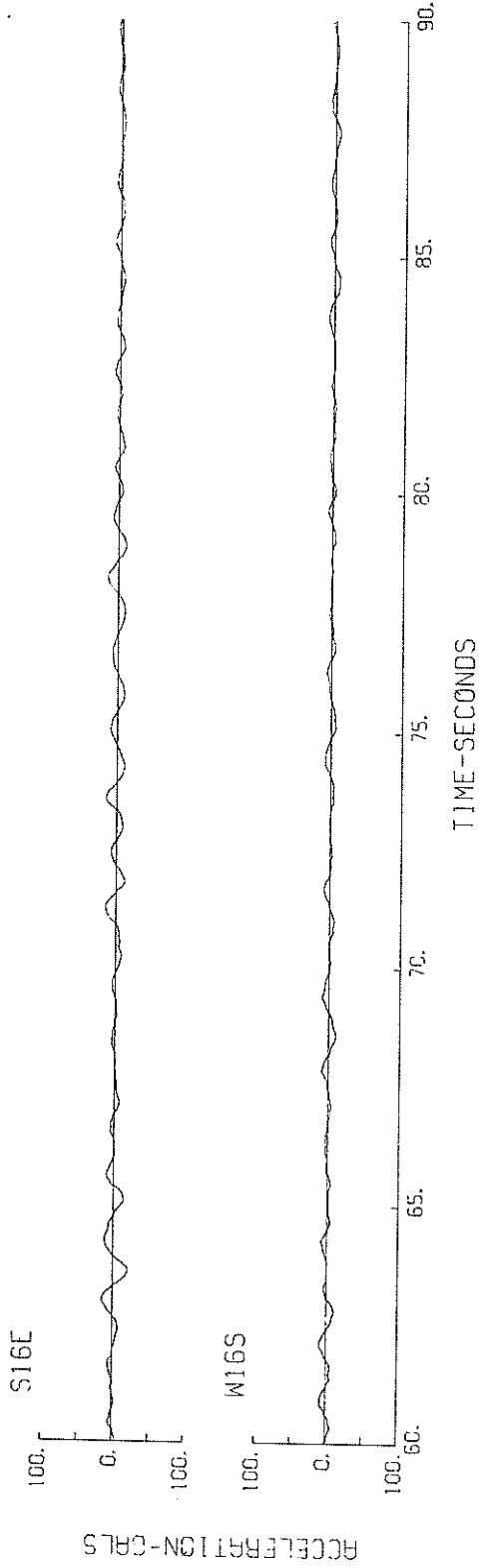
M-220 KAWASAKI-CHI-M



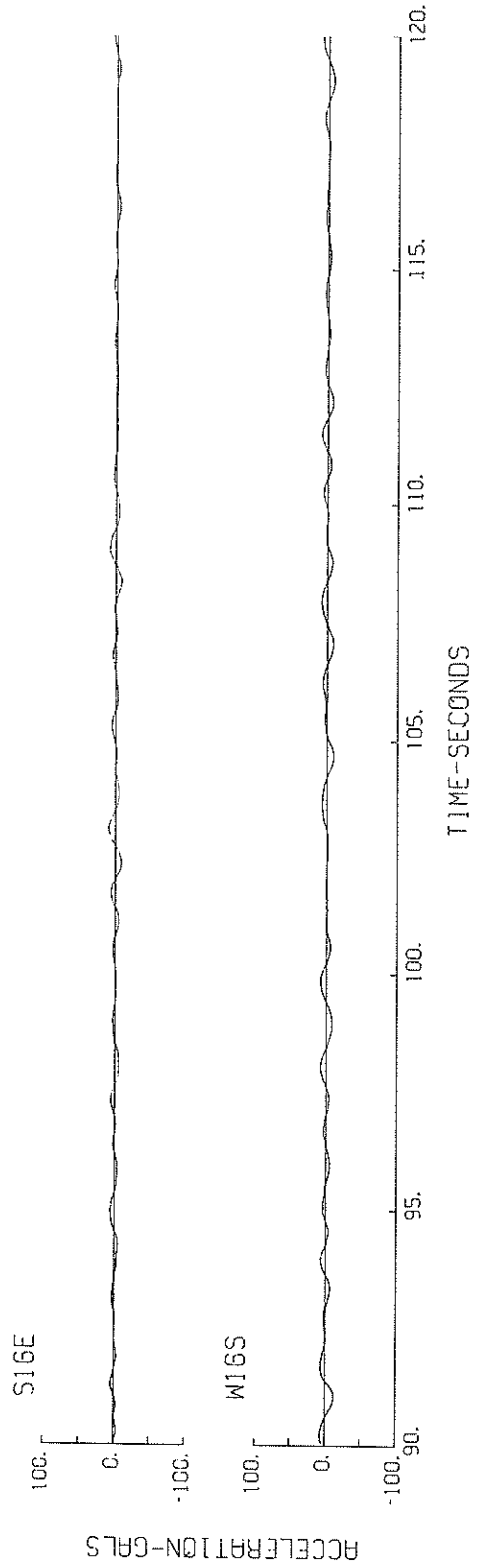
M-220 KAWASAKI-CHI-M



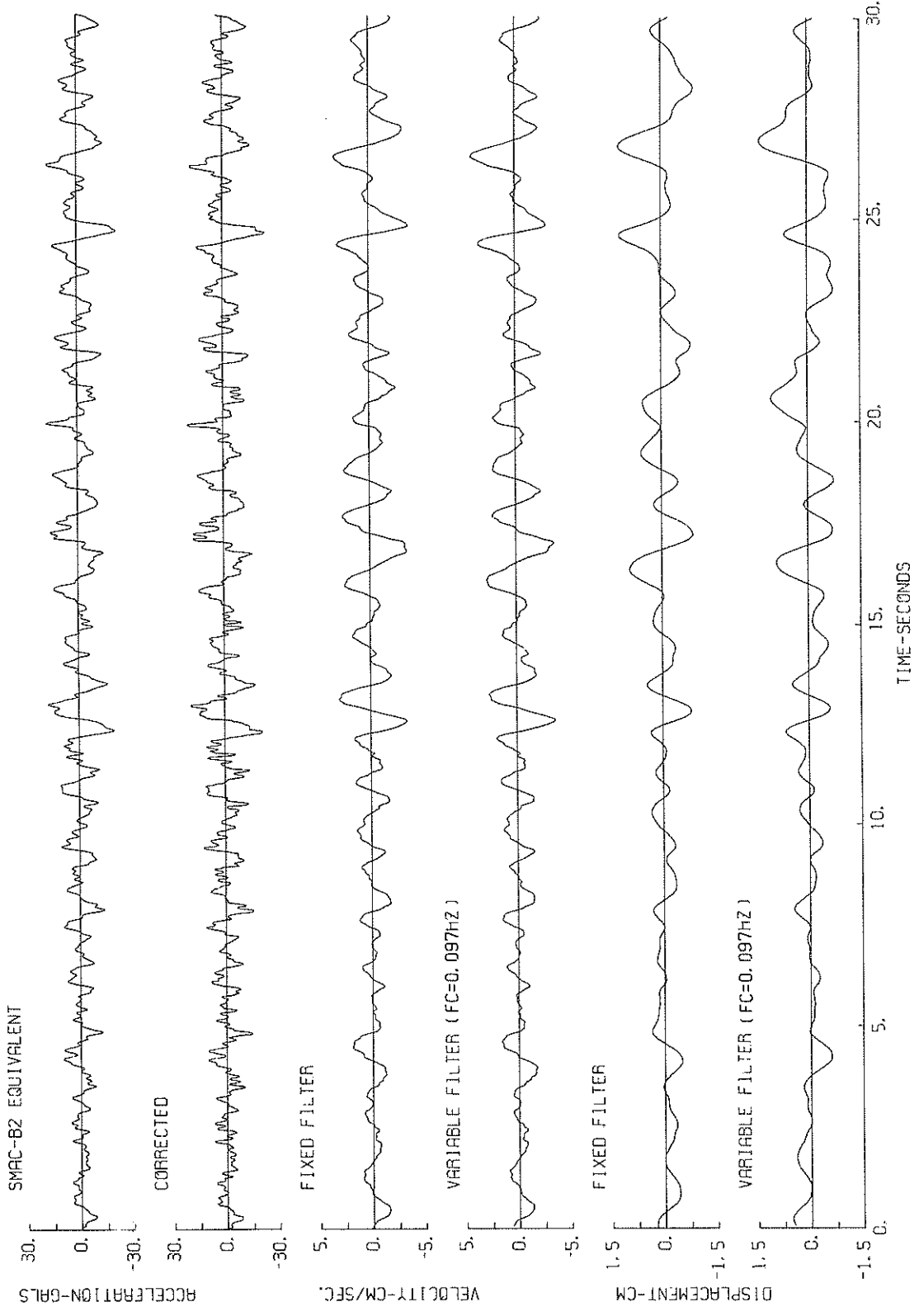
M-220 KAWASAKI-CHI-M



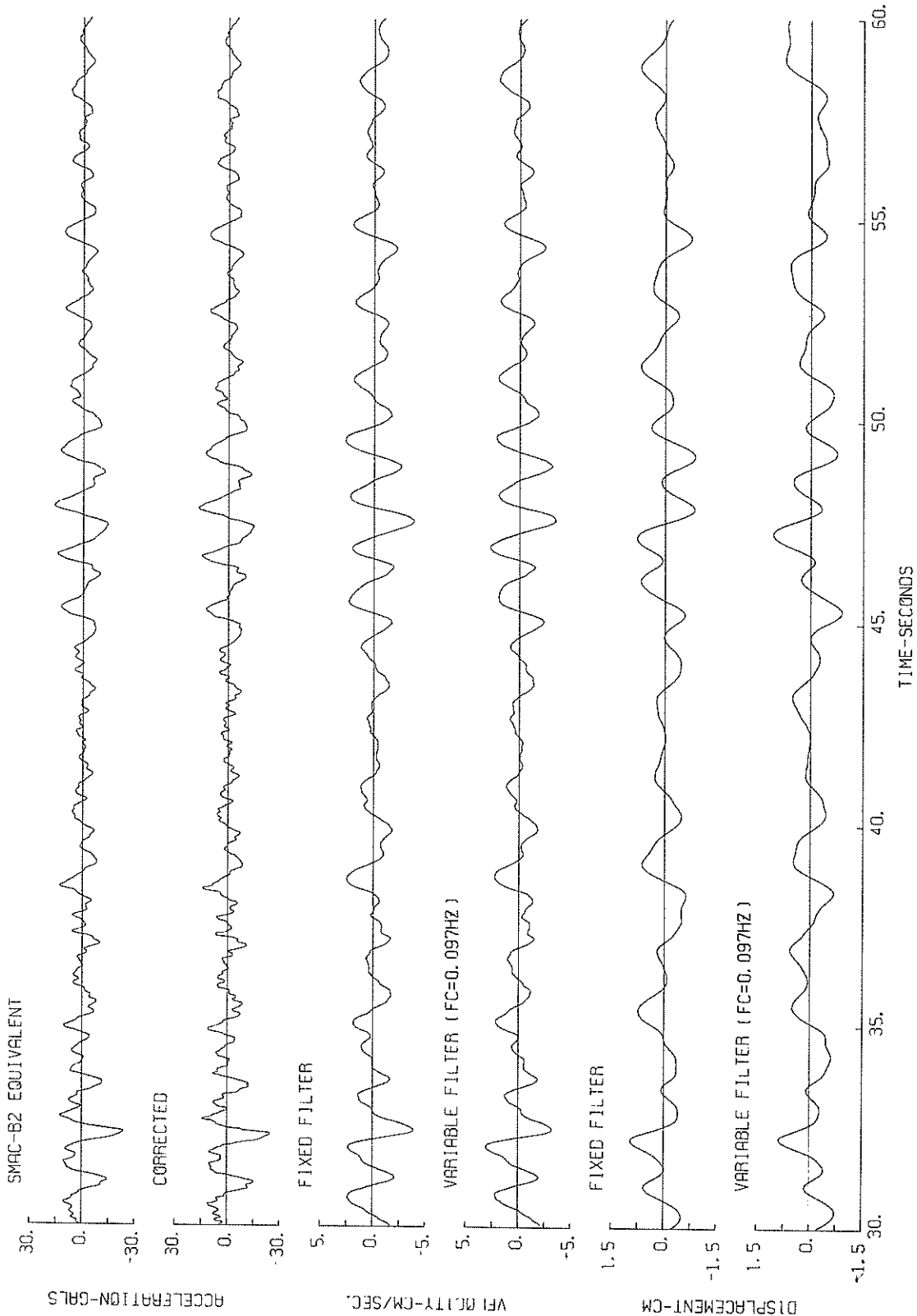
M-220 KAWASAKI-CHI-M



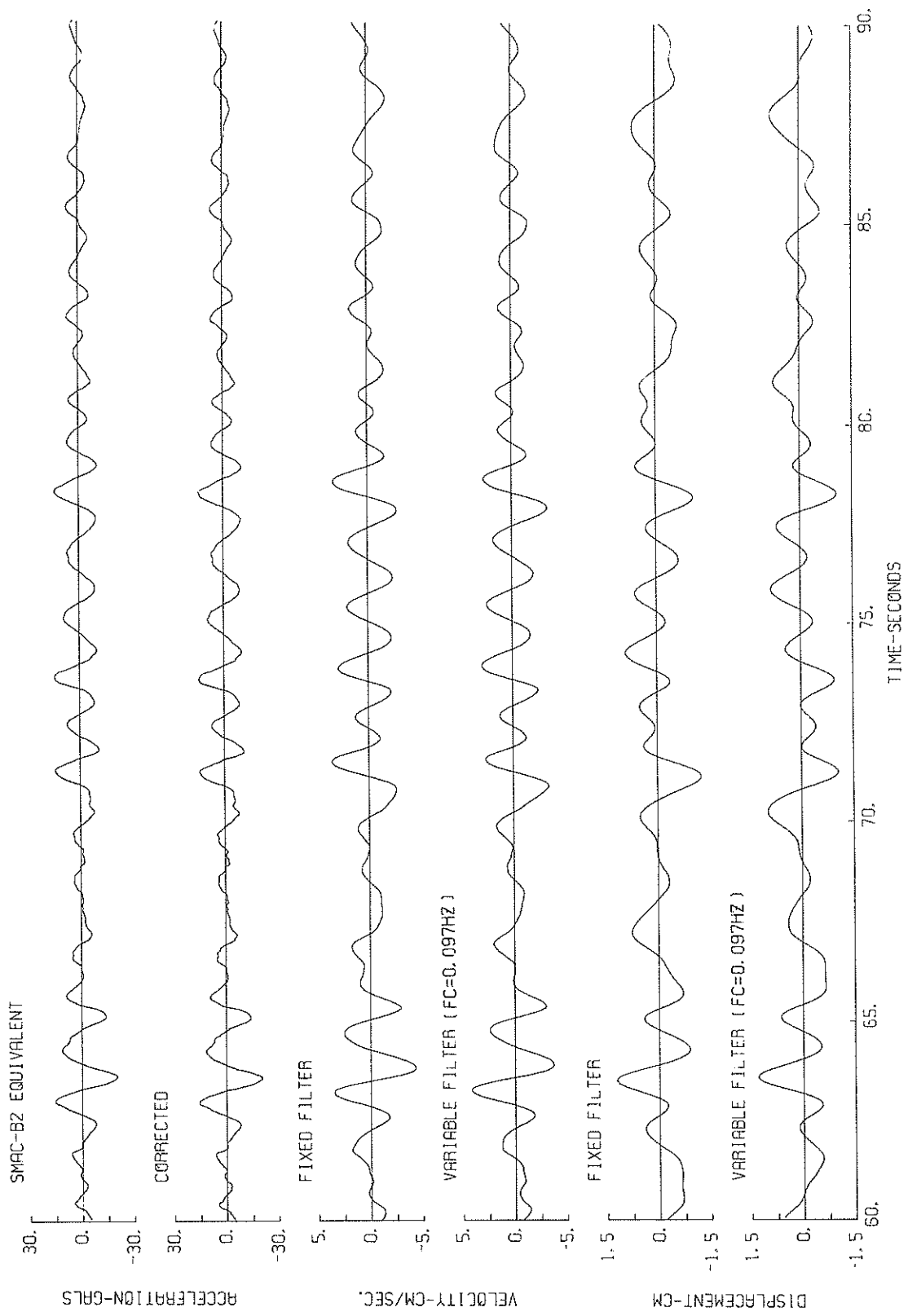
M-220 S16E KAWASAKI-CHI-M



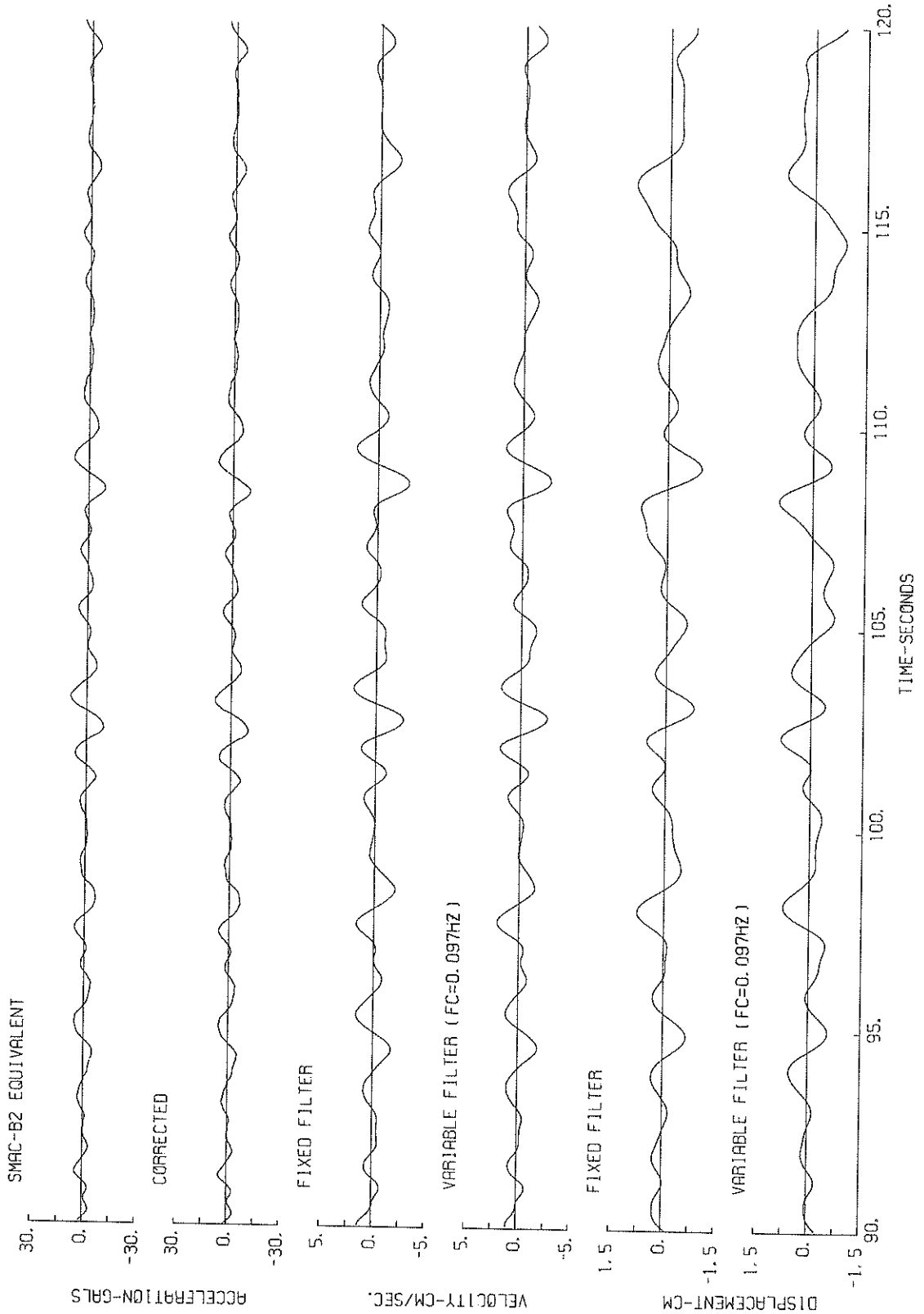
M-220 S16E KAWASAKI-CHI-M



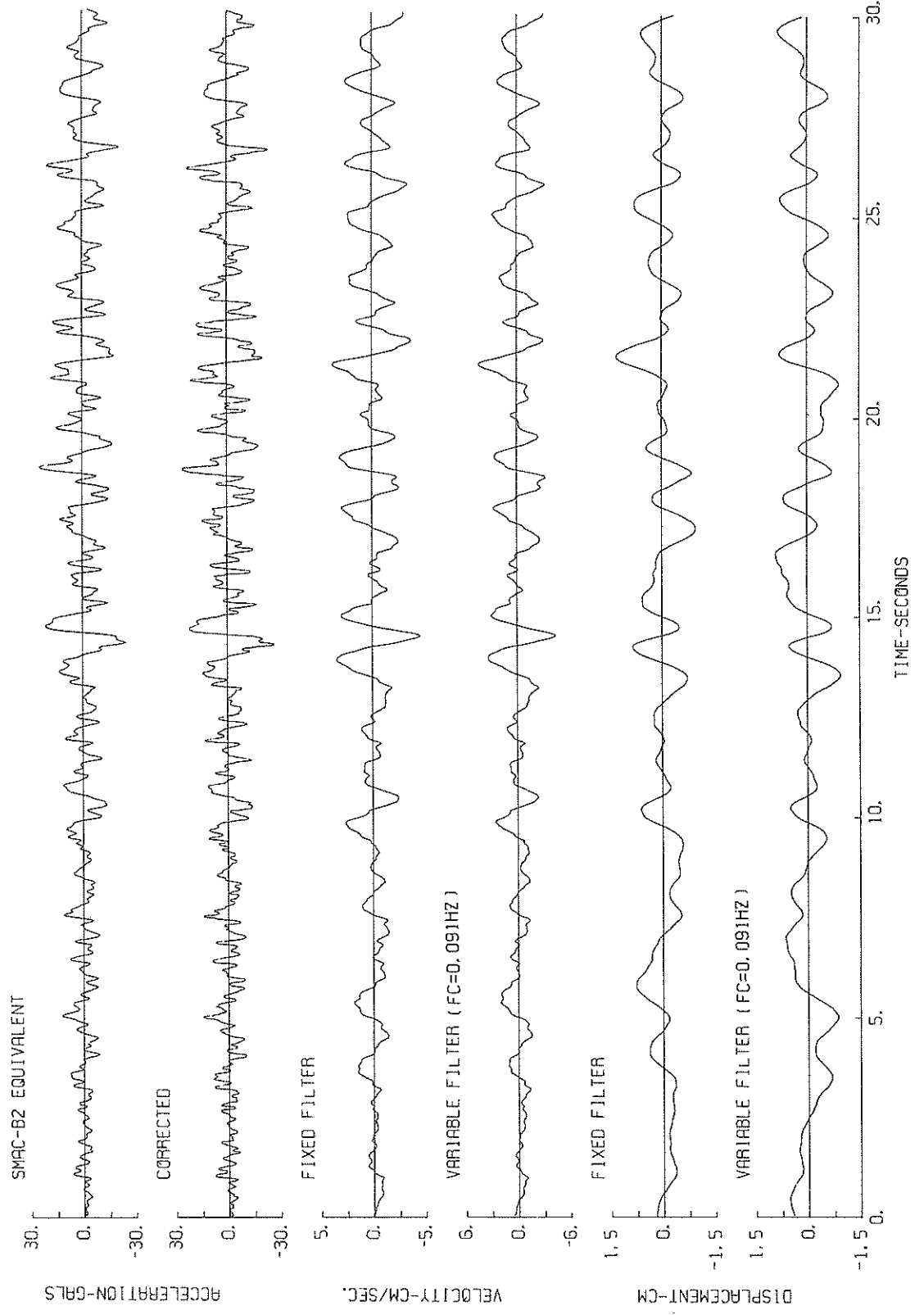
M-220 S16E KAWASAKI-CHI-M



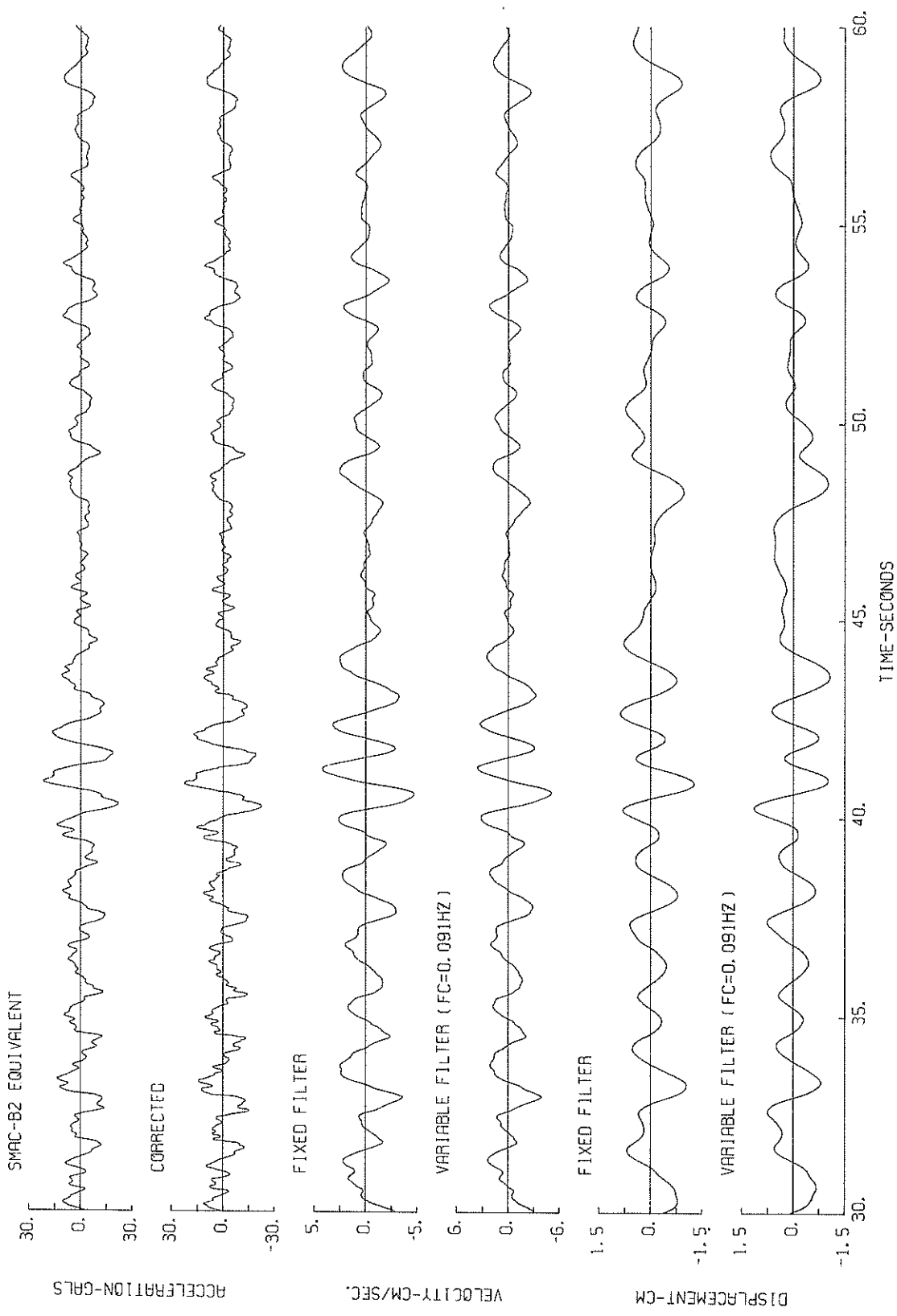
M-220 S16E KAWASAKI-CHI-M



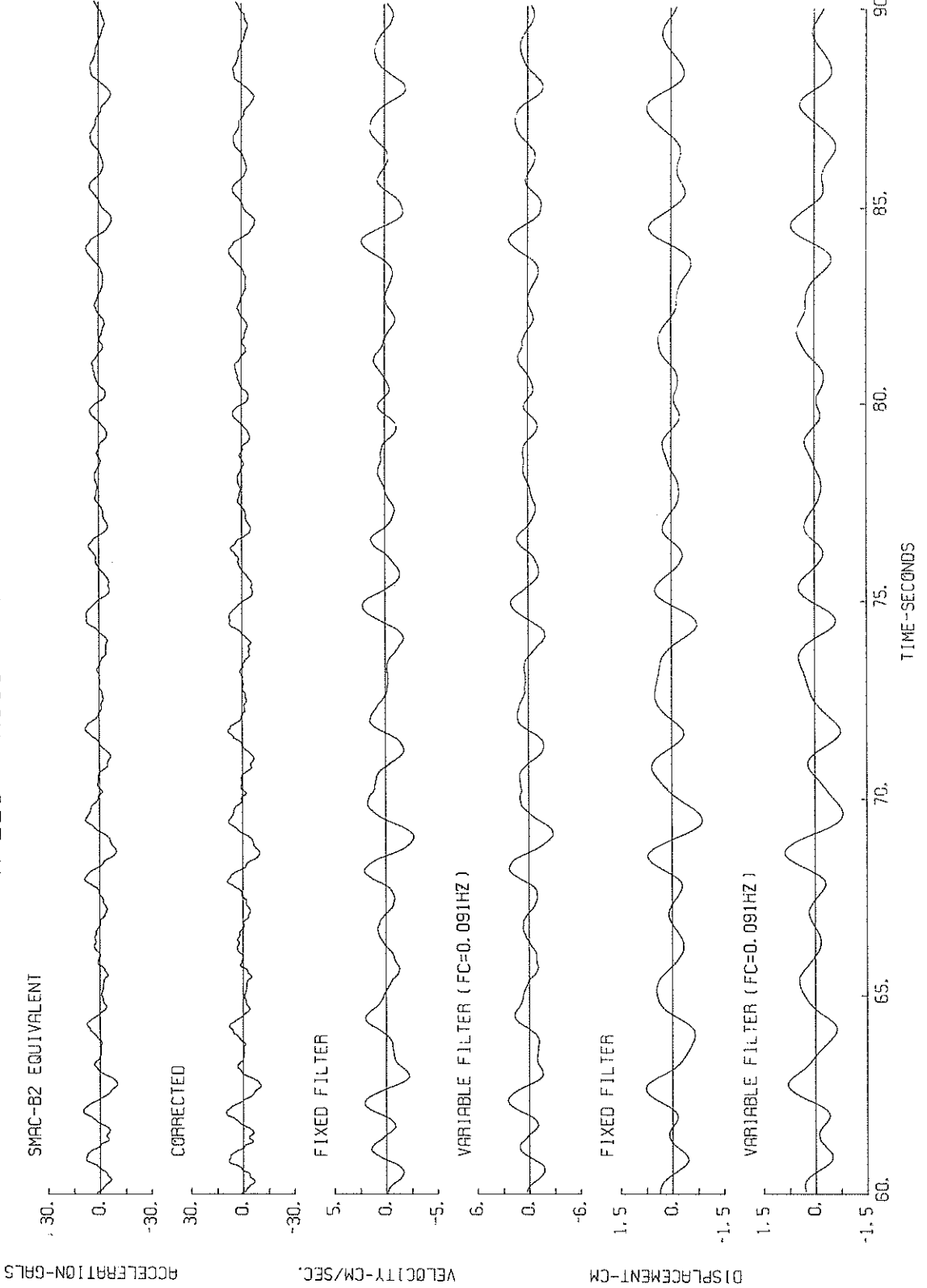
M-220 W16S KAWASAKI-CHI-M



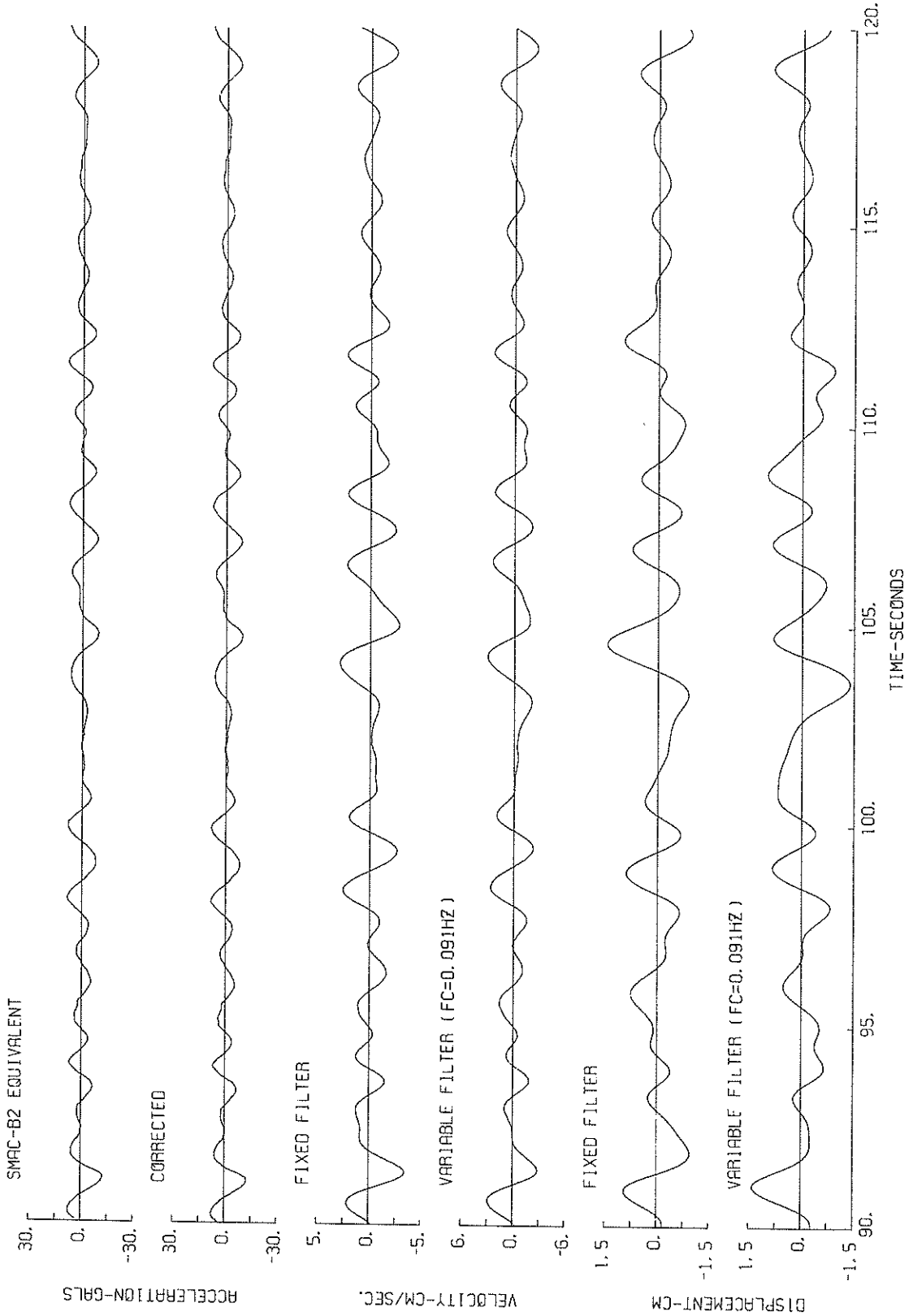
M-220 WIGS KAWASAKI-CHI-M



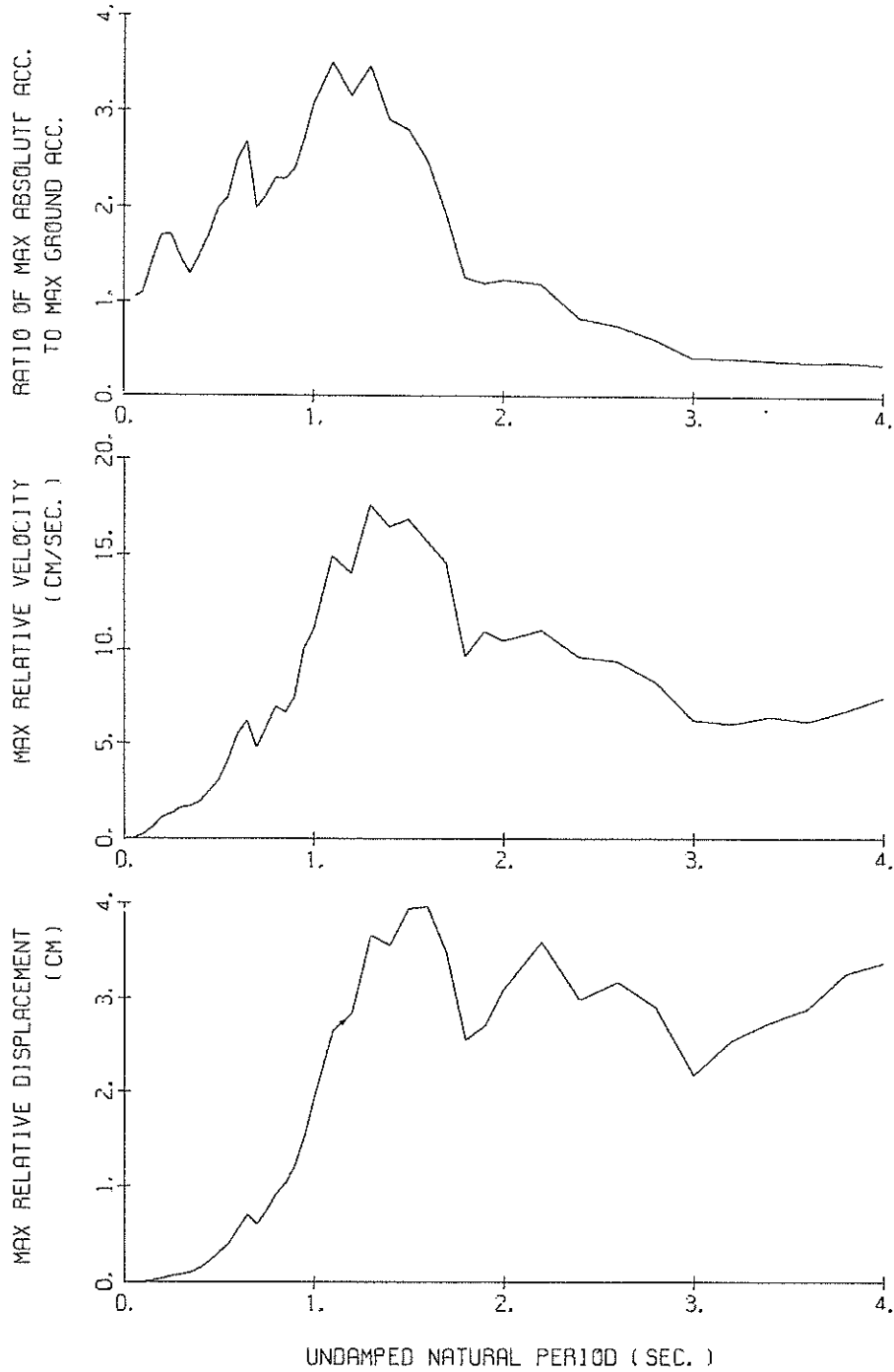
M-220 W16S KAWASAKI-CHI-M



M-220 W16S KAWASAKI-CHI-M

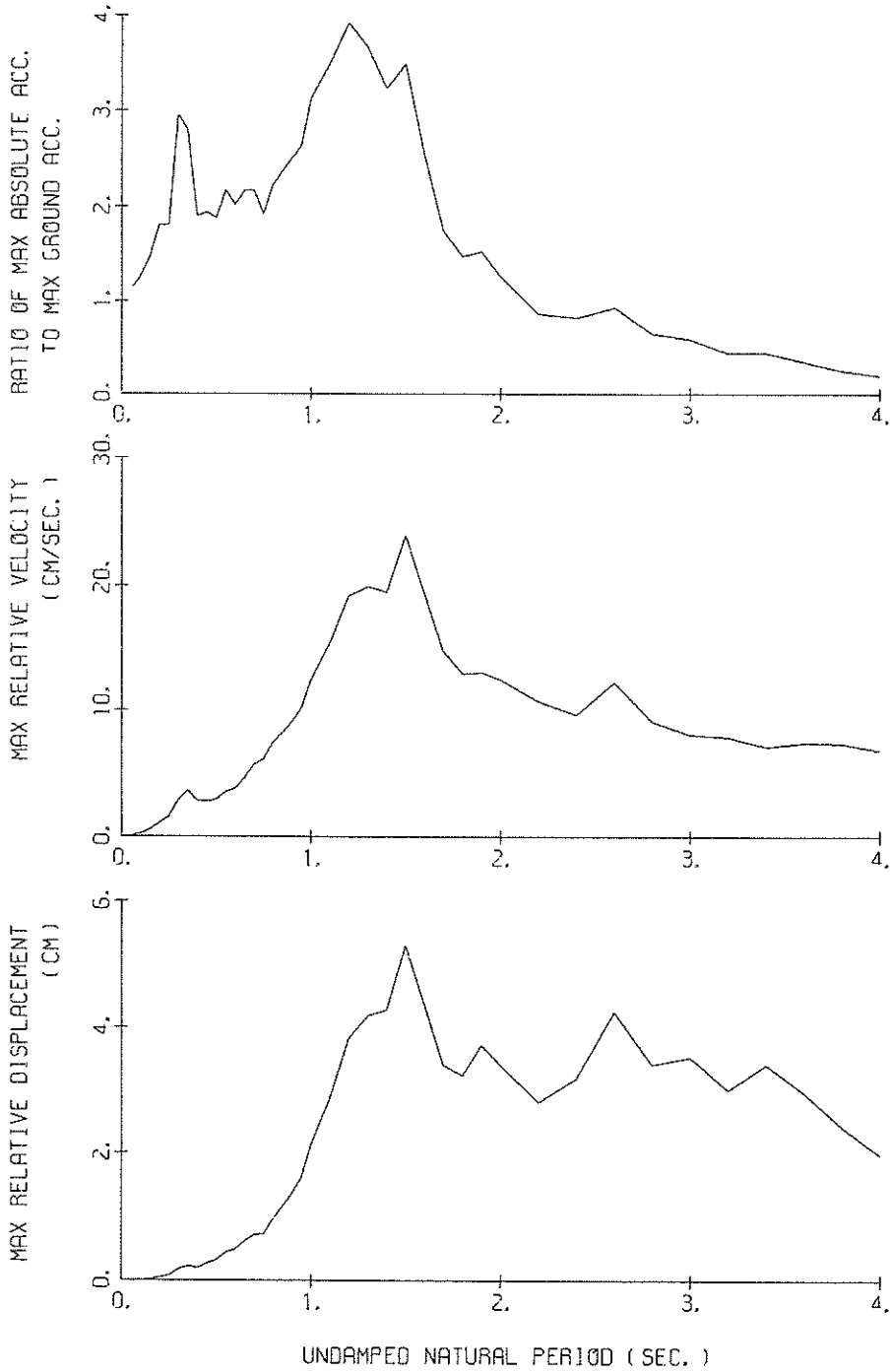


M-220 S16E KAWASAKI-CHI-M
 (1/FC=10.3 sec.)



RESPONSE SPECTRA (H=0.05)

M-220 W16S KAWASAKI-CHI-M
(1/FC=11.0 sec.)



RESPONSE SPECTRA (H=0.05)

RESPONSE SPECTRUM

RECORD = M-220 COMPONENT = S1&E SIGNAL = GR.ACC. CORRECTION = STATION = KAWASAKI-CHI-M
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 24.75 (GAL)
 TIME LENGTH = 70.00 (SEC) SKIPPED LENGTH = 1.00 (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	53.7	0.29	0.003	26.9	0.09	0.002	25.8	0.07	0.002	25.1	0.06	0.002	24.9	0.05	0.002	
0.10	76.5	0.95	0.019	28.7	0.26	0.007	27.0	0.23	0.007	26.6	0.19	0.007	25.8	0.15	0.006	
0.15	152.0	3.37	0.087	43.6	0.76	0.025	35.4	0.59	0.020	33.3	0.48	0.019	28.5	0.31	0.016	
0.20	171.0	5.16	0.173	55.0	1.55	0.056	42.3	1.12	0.043	34.4	0.79	0.034	27.4	0.47	0.027	
0.25	186.1	6.92	0.295	50.2	1.99	0.079	42.3	1.33	0.067	34.6	1.03	0.054	27.5	0.66	0.042	
0.30	150.4	6.62	0.343	46.4	2.02	0.106	36.5	1.64	0.083	32.3	1.06	0.073	28.5	0.77	0.062	
0.35	199.9	10.79	0.620	43.3	2.41	0.134	32.1	1.69	0.099	30.1	1.45	0.093	28.3	0.96	0.083	
0.40	78.7	4.37	0.319	46.3	2.48	0.187	37.1	1.95	0.150	31.0	1.43	0.125	29.1	1.18	0.116	
0.45	97.7	6.37	0.501	51.3	3.28	0.263	42.4	2.50	0.217	36.9	2.00	0.188	31.7	1.43	0.158	
0.50	145.5	9.02	0.732	57.8	3.69	0.366	49.4	3.07	0.312	42.7	2.57	0.268	34.1	1.80	0.208	
0.55	145.3	12.09	1.113	64.4	5.20	0.492	52.0	4.14	0.397	46.2	3.43	0.351	35.7	2.18	0.258	
0.60	203.2	19.10	1.853	83.9	7.85	0.765	61.5	5.52	0.560	48.6	4.20	0.437	35.8	2.49	0.304	
0.65	232.6	23.20	2.489	89.9	8.32	0.962	66.3	6.22	0.706	48.2	4.42	0.507	34.5	2.68	0.340	
0.70	174.9	18.91	2.171	56.3	5.88	0.698	49.1	4.76	0.607	41.8	4.00	0.509	33.4	2.81	0.352	
0.75	0.75	22.30	2.950	66.4	7.29	0.944	52.5	5.84	0.746	42.4	4.61	0.598	34.5	3.15	0.461	
0.80	139.5	15.77	2.099	69.1	8.32	1.119	45.9	6.96	0.918	45.9	5.49	0.734	35.6	3.46	0.535	
0.85	345.5	46.23	6.323	67.8	8.24	1.240	56.5	6.67	1.031	46.2	5.92	0.832	36.3	3.72	0.607	
0.90	159.6	22.54	3.275	66.0	9.29	1.351	59.3	7.44	1.212	49.8	6.59	1.007	36.4	3.96	0.675	
0.95	397.8	59.04	9.094	90.4	13.46	2.064	66.9	10.11	1.521	52.5	7.51	1.180	35.9	4.21	0.742	
1.00	153.3	23.52	3.683	101.0	15.73	2.555	76.1	14.06	1.920	55.2	8.06	1.374	35.5	4.50	0.834	
1.10	489.2	85.25	14.995	119.6	21.08	3.661	86.9	14.92	2.648	57.1	9.41	1.717	36.4	5.05	1.020	
1.20	133.9	25.51	4.885	97.4	18.05	3.548	78.3	14.04	2.843	55.0	9.77	1.972	36.2	5.36	1.192	
1.30	284.4	52.91	10.892	107.6	22.53	4.600	86.0	17.59	3.662	55.8	11.29	2.344	34.7	5.85	1.328	
1.40	204.2	45.27	10.138	101.3	22.83	5.021	74.9	16.47	3.554	52.3	11.39	2.550	32.5	6.16	1.430	
1.50	127.6	30.69	7.273	90.3	22.19	5.141	69.5	16.86	3.937	50.6	11.71	2.821	29.9	6.40	1.500	
1.60	123.6	30.86	8.014	72.2	18.76	4.771	61.5	15.70	3.962	46.2	11.63	2.848	27.2	6.53	1.538	
1.70	78.2	19.89	5.727	61.9	18.65	4.524	47.8	14.58	3.475	36.1	10.91	2.574	24.5	6.52	1.547	
1.80	131.9	44.97	12.468	68.6	14.43	3.987	31.2	9.66	2.544	28.0	9.61	2.240	21.9	6.44	1.536	
1.90	61.3	20.63	5.607	39.7	12.95	3.624	29.7	10.99	2.701	24.8	9.07	2.710	19.6	6.31	1.518	
2.00	90.6	29.15	9.179	41.1	13.99	4.154	30.7	10.51	3.093	24.3	8.28	2.400	17.6	6.17	1.495	
2.20	68.2	24.14	8.355	41.5	14.19	5.081	29.5	11.06	3.591	22.1	8.17	2.638	15.1	5.85	1.518	
2.40	68.5	24.50	9.993	25.3	11.18	3.686	20.5	9.62	2.983	16.1	7.57	2.287	12.8	5.50	1.486	
2.60	32.7	15.39	5.597	23.8	11.40	4.066	18.5	9.38	3.167	13.5	7.20	2.247	10.4	5.34	1.454	
2.80	31.1	15.30	6.179	17.8	9.83	3.537	15.0	8.29	2.901	12.2	6.71	2.336	9.5	5.18	1.532	
3.00	29.7	10.08	4.490	11.4	6.45	2.606	10.1	6.23	2.172	10.2	5.69	2.158	8.8	4.98	1.583	
3.20	20.4	11.49	5.300	12.1	6.81	3.143	9.9	6.02	2.541	9.0	5.73	2.092	8.0	4.81	1.602	
3.40	16.5	11.99	4.818	11.6	7.03	3.271	9.5	6.44	2.732	8.1	5.70	2.148	7.4	4.86	1.620	
3.60	13.4	9.88	4.384	10.4	6.89	3.445	8.9	6.16	2.878	7.5	5.34	2.328	6.8	4.97	1.612	
3.80	22.1	14.54	8.096	12.5	8.40	4.577	9.0	6.78	3.250	6.7	5.77	2.307	6.2	5.11	1.602	
4.00	23.1	16.59	9.372	11.4	9.63	4.614	8.4	7.46	3.364	6.3	6.18	2.424	5.8	5.22	1.603	

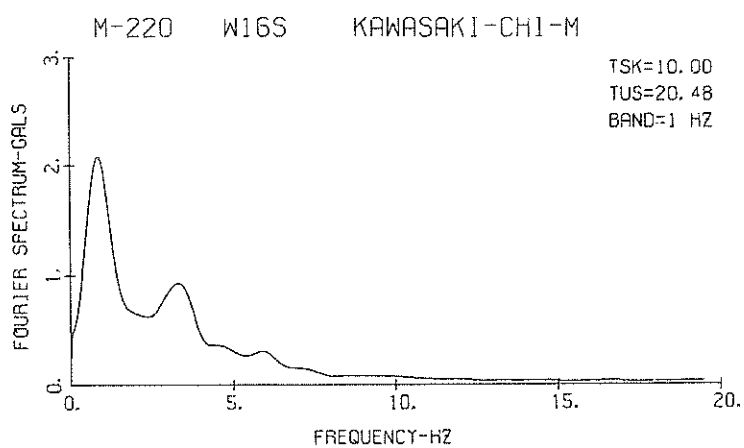
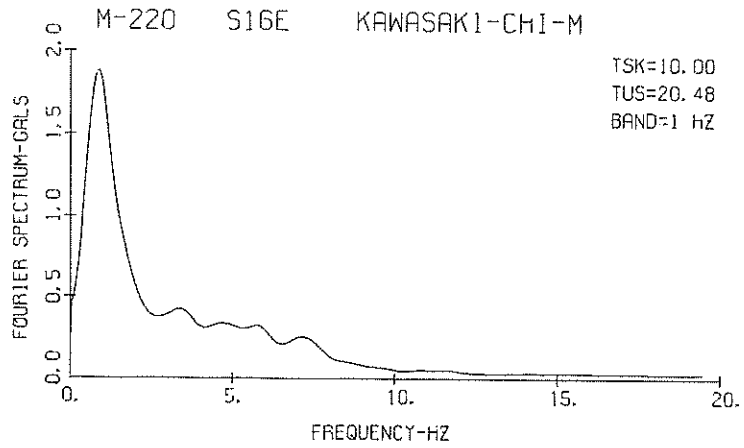
PER = PERIOD (SEC) AA = ABSOLUTE ACC. (GAL) RV = RELATIVE VELOCITY (CM/SEC) RD = RELATIVE DISPLACEMENT (CM)

RESPONSE SPECTRUM

RECORD = M-220 COMPONENT = M16S SIGNAL = GR. ACC. CORRECTION = STATION = KAWASAKI-CHI-M
 DATE AND TIME = 1978-06-12-17-14 SAMPRING INTERVAL = 0.0100(SEC) MAX.GROUND ACC. = 26.90 (GAL)
 TIME LENGTH = 70.00 (SEC) SKIPPED LENGTH = 1.00 (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	60.1	0.32	0.004	33.1	0.10	0.002	30.3	0.09	0.002	29.3	0.07	0.002	28.0	0.06	0.002	28.0	0.06	0.002		
0.10	90.2	1.11	0.023	39.1	0.30	0.010	33.9	0.23	0.009	29.9	0.20	0.008	29.0	0.15	0.007	29.0	0.15	0.007		
0.15	111.1	2.35	0.063	44.0	0.67	0.025	39.5	0.53	0.022	36.3	0.39	0.020	32.5	0.31	0.018	32.5	0.31	0.018		
0.20	173.3	5.14	0.176	50.8	1.44	0.051	46.6	1.09	0.049	41.2	0.85	0.042	33.6	0.54	0.033	33.6	0.54	0.033		
0.25	110.5	4.14	0.175	53.7	1.88	0.085	48.4	1.60	0.076	43.3	1.22	0.068	36.2	0.74	0.055	36.2	0.74	0.055		
0.30	309.7	14.40	0.706	97.6	4.23	0.223	79.3	2.85	0.180	60.2	2.00	0.136	41.5	1.11	0.090	41.5	1.11	0.090		
0.35	260.6	14.37	0.809	88.9	4.37	0.276	75.0	3.60	0.232	59.5	2.57	0.182	42.0	1.35	0.122	42.0	1.35	0.122		
0.40	134.5	8.20	0.545	61.1	3.20	0.248	50.9	2.82	0.205	46.2	2.21	0.184	39.2	1.43	0.147	39.2	1.43	0.147		
0.45	128.6	8.75	0.660	62.6	3.85	0.320	51.9	2.74	0.266	46.1	2.13	0.233	38.7	1.73	0.186	38.7	1.73	0.186		
0.50	165.3	12.86	1.047	60.5	3.93	0.383	50.2	2.90	0.317	45.9	2.28	0.287	39.5	2.04	0.233	39.5	2.04	0.233		
0.55	142.7	11.46	1.094	69.6	4.44	0.533	58.1	3.50	0.444	50.0	3.96	0.379	40.3	2.40	0.287	40.3	2.40	0.287		
0.60	121.3	10.61	1.106	56.4	4.59	0.513	54.2	3.73	0.492	50.5	3.37	0.455	40.8	2.76	0.345	40.8	2.76	0.345		
0.65	168.8	17.20	1.807	65.4	5.34	0.699	58.1	4.58	0.620	51.6	3.84	0.545	41.0	3.11	0.407	41.0	3.11	0.407		
0.70	236.3	25.73	2.933	66.5	6.90	0.824	58.1	5.66	0.719	51.6	4.53	0.632	41.2	3.47	0.475	41.2	3.47	0.475		
0.75	91.1	10.07	1.298	62.4	7.29	0.887	51.5	6.09	0.731	50.9	5.10	0.715	41.5	3.84	0.549	41.5	3.84	0.549		
0.80	209.2	25.85	3.392	83.8	10.51	1.357	59.7	7.41	0.962	53.3	5.92	0.852	41.9	4.24	0.629	41.9	4.24	0.629		
0.85	196.0	26.05	3.588	76.2	10.20	1.393	63.7	8.18	1.160	56.1	6.74	1.012	42.3	4.65	0.714	42.3	4.65	0.714		
0.90	121.6	16.86	2.496	75.3	9.88	1.374	67.3	9.05	1.374	58.4	7.43	1.179	42.5	5.05	0.799	42.5	5.05	0.799		
0.95	183.7	26.93	4.201	92.7	13.59	2.117	70.7	10.14	1.608	60.4	8.18	1.357	42.5	5.41	0.881	42.5	5.41	0.881		
1.00	422.2	66.19	10.694	120.8	18.25	3.057	83.9	12.46	2.117	62.5	9.16	1.558	41.9	5.72	0.957	41.9	5.72	0.957		
1.10	167.3	28.89	5.128	113.9	18.69	3.488	93.6	15.42	2.857	69.7	11.42	2.097	41.4	6.27	1.150	41.4	6.27	1.150		
1.20	294.5	56.47	10.742	128.4	24.94	4.679	105.2	19.19	3.819	73.0	13.55	2.613	41.5	7.05	1.356	41.5	7.05	1.356		
1.30	308.6	63.53	13.210	125.0	25.52	5.344	98.3	19.88	4.189	67.8	14.58	2.841	40.0	7.70	1.544	40.0	7.70	1.544		
1.40	197.6	44.84	9.813	108.2	23.75	5.366	86.7	19.47	4.282	63.0	14.90	3.056	38.1	8.14	1.680	38.1	8.14	1.680		
1.50	370.9	88.65	21.140	134.6	34.23	7.660	93.7	23.94	5.308	61.0	15.52	3.395	34.8	8.10	1.736	34.8	8.10	1.736		
1.60	108.3	30.16	7.024	84.7	23.95	5.486	67.9	19.36	4.374	47.7	13.64	3.010	30.8	7.68	1.703	30.8	7.68	1.703		
1.70	88.4	23.52	6.471	59.0	18.15	4.311	46.7	14.70	3.392	33.9	10.82	2.397	26.5	7.26	1.618	26.5	7.26	1.618		
1.80	92.8	27.33	7.616	52.1	16.31	4.272	39.5	12.92	3.224	28.5	9.45	2.270	22.8	6.89	1.530	22.8	6.89	1.530		
1.90	133.5	41.03	12.210	60.4	18.84	5.518	40.9	12.99	3.723	26.0	8.88	2.309	20.4	6.82	1.467	20.4	6.82	1.467		
2.00	86.3	28.51	8.743	47.3	16.22	4.781	33.7	12.45	3.386	23.0	9.95	2.240	18.2	6.99	1.434	18.2	6.99	1.434		
2.20	48.9	18.67	5.992	28.0	11.34	3.428	23.0	10.68	3.804	17.8	9.39	2.112	15.1	7.02	1.424	15.1	7.02	1.424		
2.40	31.5	13.91	4.597	25.5	11.22	3.724	21.9	9.60	3.177	16.1	7.81	2.289	13.0	6.72	1.458	13.0	6.72	1.458		
2.60	81.3	35.03	13.919	36.1	16.08	6.165	25.0	12.25	4.252	16.1	8.89	2.672	11.6	6.35	1.521	11.6	6.35	1.521		
2.80	45.2	20.08	8.980	23.6	11.56	4.467	15.2	9.03	3.405	13.4	7.91	2.577	10.9	6.22	1.613	10.9	6.22	1.613		
3.00	23.5	11.34	5.353	20.0	10.00	4.561	15.6	7.99	3.524	10.7	6.65	2.355	9.9	5.97	1.632	9.9	5.97	1.632		
3.20	23.5	12.84	6.105	14.7	9.23	3.816	11.7	7.82	2.991	9.8	6.35	2.440	8.9	5.73	1.626	8.9	5.73	1.626		
3.40	28.8	15.74	8.437	14.1	8.51	4.106	11.7	7.04	3.400	9.1	6.09	2.570	8.2	5.53	1.627	8.2	5.53	1.627		
3.60	18.7	11.60	6.132	10.7	8.34	3.504	9.1	7.40	2.948	7.5	5.99	2.361	7.5	5.34	1.630	7.5	5.34	1.630		
3.80	10.8	11.22	3.945	7.8	8.48	2.854	6.7	7.29	2.411	6.1	6.27	2.036	6.9	5.36	1.620	6.9	5.36	1.620		
4.00	6.6	7.71	2.674	5.6	6.74	2.255	5.0	6.73	1.971	5.0	6.25	1.809	6.4	5.40	1.594	6.4	5.40	1.594		

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



FOURIER SPECTRA

RECORD = S-1201 COMPONENT = WEST STATION = SHIOGAMA-KOJYO-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 8900
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR. ACC.
 CONNECTION POINT IN DATA NUMBER= 4451. 8900.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
10	-21	-23	-25	-27	-30	-32	-35	-37	-41	-19
20	-49	-52	-55	-58	-61	-60	-59	-59	-56	-52
30	-49	-44	-38	-32	-26	-19	-14	-14	-12	-5
40	0	4	7	12	16	22	28	37	51	60
50	58	54	55	55	57	56	53	46	38	40
60	42	43	39	32	22	12	10	10	13	3
70	-8	-26	-39	-45	-43	-43	-42	-43	-41	-41
80	-36	-37	-39	-43	-46	-41	-28	-7	22	43
90	49	39	17	8	12	13	15	14	10	3
100	0	4	6	9	9	29	30	26	16	16
110	0	-17	-66	-99	-120	-125	-115	-95	-73	-72
120	-81	-86	-82	-78	-82	-88	-72	2	28	91
130	105	61	0	-49	-62	-81	-45	-28	-9	11
140	5	-13	-31	-47	-60	-82	-116	-133	-119	-93
150	-75	-80	-119	-170	-185	-173	-163	-168	-154	-154
160	-139	-124	-93	-59	-8	0	-38	-134	-173	-191
170	-189	-147	-107	-75	-38	-10	7	9	1	-5
180	-7	-10	-16	-3	19	57	83	90	50	14
190	-40	-46	-53	-63	-69	-60	-40	-12	17	46
200	44	0	-78	-148	-177	-137	-97	-67	-61	-76
210	-63	-56	-30	1	20	39	54	75	93	88
220	104	122	123	91	24	36	61	91	105	93
230	112	113	109	94	76	61	68	68	63	44
240	32	41	50	56	50	31	7	-23	-8	33
250	69	101	103	86	73	64	56	39	1	-27
260	-39	-29	-14	-11	-19	-28	-36	-36	-42	-66
270	-93	-125	-170	-171	-121	-50	-1	31	38	18
280	20	23	30	33	35	35	14	-43	-40	-71
290	-67	-70	-17	48	109	126	82	21	-26	-62
300	-74	-29	16	58	88	95	54	9	-46	-83
310	-119	-114	-77	-24	34	70	86	75	57	23
320	-12	-60	-72	-75	-79	-94	-113	-132	-130	-136
330	-120	-133	-130	-123	-96	-50	7	50	73	82
340	75	61	37	13	-14	-49	-75	-58	-51	11
350	62	106	118	103	63	31	11	19	33	40
360	32	9	-37	-92	-119	-88	-33	29	89	176
370	150	173	116	113	122	129	131	133	152	176
380	194	176	156	101	67	26	-18	-63	-103	-98
390	-73	-42	-8	-28	44	6	-52	-88	-169	-279
400	-340	-374	-375	-369	-317	-284	-241	-195	-142	-106
410	-97	-139	-177	-211	-222	-211	-187	-153	-108	-69
420	-40	-52	-58	-90	-119	-148	-168	-176	-153	-108
430	-24	59	140	182	194	177	126	96	102	122
440	183	238	280	325	375	386	382	371	360	350
450	341	343	354	340	340	344	245	198	165	141
460	120	53	-54	-203	-228	-219	-202	-201	-247	-202
470	-338	-421	-436	-349	-347	-323	-360	-399	-415	-415
480	-409	-405	-402	-399	-363	-365	-335	-274	-202	-161

T0 BE CONTINUED

T0 BE CONTINUED

CONTINUED (S-1201 WEST)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	1260	1353	1459	1592	1704	1801	1931	2004	2044	1921
1040	1746	1572	1398	1233	1025	774	522	418	300	201
1050	137	108	81	54	8	-34	-87	-84	-108	-119
1060	-136	-245	-379	-574	-850	-1083	-1202	-1355	-1470	-1625
1070	-1699	-1771	-1890	-1991	-2090	-2194	-2283	-2318	-2376	-2391
1080	-2377	-2344	-2293	-2241	-2197	-2156	-2171	-2073	-2084	-2054
1090	-2075	-2093	-2107	-2102	-2063	-1976	-1869	-1714	-1581	-1451
1100	-1394	-1208	-1022	-836	-650	-464	-278	-92	129	428
1110	658	895	1243	1538	1721	1831	1859	1821	1717	1613
1120	1549	1591	1702	1793	1873	1976	2113	2324	2449	2556
1130	2635	2686	2708	2728	2723	2716	2643	2540	2478	2395
1140	2312	2234	2207	2181	2169	2157	2135	2104	2071	1823
1150	1541	1259	978	710	481	283	141	0	-163	-308
1160	-563	-674	-813	-960	-1118	-1201	-1222	-1263	-1285	-1368
1170	-1511	-1626	-1760	-1879	-1927	-1945	-1960	-1956	-1891	-1826
1180	-1720	-1582	-1445	-1307	-1170	-1032	-895	-757	-624	-509
1190	-902	-926	-949	-885	-840	-805	-793	-880	-974	-1065
1200	-1143	-1141	-1103	-1041	-961	-837	-687	-536	-441	-335
1210	-283	-225	-180	-150	-97	-42	33	115	223	325
1220	448	584	641	717	786	859	955	1004	995	949
1230	886	817	746	663	560	386	482	455	417	361
1240	312	270	244	253	276	308	343	386	426	531
1250	642	729	787	837	893	932	940	922	869	803
1260	739	678	609	553	498	434	343	254	193	171
1270	192	227	261	295	367	452	523	622	747	821
1280	897	911	861	791	699	592	391	255	141	52
1290	-63	-129	-195	-261	-337	-428	-544	-727	-858	-953
1300	-1119	-1252	-1331	-1507	-1545	-1540	-1495	-1429	-1357	-1265
1310	-1272	-1168	-1100	-1013	-919	-828	-746	-658	-566	-467
1320	-367	-289	-180	-91	-14	30	61	53	17	-11
1330	-32	-26	-19	-8	0	-4	-15	-10	21	83
1340	165	236	290	356	451	627	738	840	982	1099
1350	1155	1193	1184	1101	978	838	687	511	321	205
1360	133	84	0	-17	-33	-155	-227	-335	-421	-495
1370	-546	-566	-548	-517	-459	-386	-310	-238	-171	-119
1380	-135	-167	-212	-279	-384	-460	-552	-642	-653	-640
1390	-695	-823	-922	-1016	-1107	-1176	-1216	-1188	-1098	-960
1400	517	556	606	662	683	693	695	685	662	678
1410	668	664	659	641	602	517	415	324	222	60
1420	-24	-7	54	138	220	284	297	253	184	88
1430	-145	-250	-402	-479	-564	-669	-731	-809	-897	-944
1440	-927	-971	-1044	-1075	-1062	-1055	-1013	-962	-958	-944
1450	-927	-871	-787	-679	-569	-459	-283	-67	10	56
1460	110	123	110	98	94	93	93	123	168	232
1470	305	357	376	383	402	427	497	592	694	791
1480	876	909	902	869	819	756	675	573	570	628
1490	714	812	886	903	879	830	762	681	598	411
1500	274	187	95	-33	-175	-316	-366	-444	-599	-665
1510	-730	-776	-788	-808	-795	-757	-694	-611	-508	-448
1520	-421	-412	-415	-422	-419	-400	-381	-373	-372	-364
1530	-345	-327	-301	-275	-246	-209	-166	-64	4	80
1540	151	162	98	8	-87	-217	-357	-404	-437	-457
1550	-482	-429	-399	-355	-292	-200	-31	84	202	303
1560	389	428	423	374	300	192	127	158	195	195

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-737	-851	-955	-1043	-1083	-1173	-1195	-1227	-1273	-1295
2120	-1308	-1298	-1277	-1253	-1225	-1193	-1156	-1119	-1084	-1050
2130	-1017	-988	-955	-922	-849	-735	-624	-518	-406	-272
2140	-109	-3	80	126	149	147	141	132	116	78
2150	52	31	10	40	86	136	189	242	304	383
2160	462	510	539	586	645	719	804	884	956	1032
2170	1145	1228	1311	1369	1404	1464	1523	1560	1569	1504
2180	1376	1249	1036	796	557	320	219	127	52	
2190	-25	-84	-66	-43	-23	-42	-81	-150	-190	-245
2200	-318	-366	-417	-423	-419	-428	-444	-482	-510	-551
2210	-592	-656	-698	-738	-813	-861	-899	-946	-952	-972
2220	-841	-775	-674	-571	-476	-415	-385	-380	-385	-380
2230	-374	-375	-381	-392	-416	-457	-499	-544	-583	-616
2240	-397	-651	-651	-647	-637	-613	-569	-504	-437	-369
2250	-297	-223	-161	-96	-18	69	149	217	302	392
2260	466	542	652	772	857	915	952	963	960	948
2270	929	911	903	909	935	957	968	972	973	975
2280	999	1051	1134	1151	1137	1036	808	580	452	336
2290	251	211	222	260	307	364	407	433	423	389
2300	473	269	109	-12	-85	-135	-231	-292	-364	-425
2310	-777	-835	-910	-967	-1017	-1060	-1093	-1106	-1091	-1062
2320	-1021	-956	-864	-754	-649	-547	-461	-426	-449	-480
2330	-483	-438	-364	-282	-200	-100	-25	0	18	41
2340	56	61	58	47	22	-1	-26	-44	-41	-20
2350	22	75	184	267	376	414	506	574	645	726
2360	792	861	918	937	962	979	1000	997	972	930
2370	777	799	698	594	504	403	278	143	33	-41
2380	127	-224	-295	-329	-318	-313	-324	-338	-344	-334
2390	-300	-245	-214	-192	-193	-201	-215	-246	-371	-350
2400	-400	-441	-456	-432	-396	-355	-305	-244	-173	-107
2410	-26	56	133	176	185	169	138	99	14	-43
2420	-82	-91	-62	-33	0	29	43	47	33	17
2430	-23	-37	-40	-34	-27	-26	-37	-53	-84	-119
2440	-143	-152	-128	-108	-77	-30	15	57	76	63
2450	32	-17	-44	-65	-73	-54	-16	12	44	80
2460	117	132	136	140	153	169	178	167	138	116
2470	128	158	194	233	269	285	297	318	347	380
2480	404	422	436	445	443	429	418	398	368	313
2490	244	182	140	110	95	83	68	43	6	-42
2500	-65	-106	-149	-199	-254	-309	-344	-377	-397	-382
2510	-31	-23	15	37	64	85	108	138	170	198
2520	360	346	327	303	275	234	182	118	76	55
2530	-31	-23	15	37	64	85	108	138	170	198
2540	216	208	167	106	60	7	-61	-114	-180	-215
2550	-201	-175	-158	-163	-180	-190	-229	-263	-311	-354
2560	-403	-438	-453	-475	-486	-482	-473	-471	-436	-375
2570	-318	-273	-217	-187	-202	-230	-264	-294	-314	-340
2580	-362	-361	-334	-292	-226	-147	-74	-16	30	49
2590	58	64	72	83	99	111	119	120	128	141
2600	163	194	238	294	364	438	481	532	565	576
2610	510	450	368	322	240	167	105	79	79	75
2620	71	65	59	46	26	1	-28	-37	-50	-43
2630	-31	5	39	85	151	232	300	345	361	356
2640	333	307	271	218	129	73	23	-43	-96	-158

TO BE CONTINUED

CONTINUED (S-1201 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2650	-200	-223	-207	-179	-144	-114	-107	-123	-139	-153
2660	-163	-168	-171	-163	-152	-144	-144	-143	-139	-135
2670	-21	21	45	43	27	1	-24	-54	-115	-150
2680	-179	-225	-273	-318	-359	-361	-341	-312	-248	-167
2690	-96	-49	2	56	105	128	136	144	151	158
2700	169	198	214	225	221	209	182	140	76	32
2710	-21	-68	-99	-94	-70	-22	75	154	238	291
2720	322	332	328	322	308	287	249	208	172	130
2730	69	0	-40	-75	-116	-149	-187	-232	-278	-317
2740	-435	-370	-385	-396	-408	-421	-434	-453	-467	-449
2750	-436	-422	-398	-364	-325	-284	-239	-191	-147	-133
2760	-96	-66	-32	-48	-35	70	82	78	61	47
2770	20	-10	-38	16	36	62	82	62	88	110
2780	141	183	245	299	369	455	528	580	623	658
2790	679	690	685	672	662	650	643	637	619	586
2800	550	475	409	331	239	113	6	-77	-159	-216
2810	-267	-274	-242	-193	-168	-145	-155	-170	-186	-208
2820	-214	-230	-246	-266	-282	-298	-317	-330	-333	-323
2830	-305	-290	-294	-314	-361	-404	-439	-472	-493	-476
2840	-441	-401	-358	-319	-290	-263	-232	-201	-166	-115
2850	-59	14	68	104	133	169	185	185	185	189
2860	190	184	181	182	179	176	169	158	145	140
2870	144	150	157	163	163	159	152	157	166	166
2880	170	166	152	135	119	103	87	65	37	8
2890	-19	-37	-46	-44	-31	-14	-5	0	-6	-24
2900	-55	-115	-173	-225	-269	-303	-341	-363	-376	-384
2910	-388	-387	-376	-365	-349	-315	-275	-247	-232	-235
2920	-220	-184	-126	-96	-52	16	70	119	118	96
2930	83	43	-17	-105	-187	-262	-320	-360	-398	-403
2940	-380	-354	-330	-302	-269	-237	-167	-114	-63	-34
2950	-4	12	27	47	92	125	132	129	137	147
2960	154	157	157	142	124	106	99	111	135	166
2970	210	260	301	327	331	326	314	305	290	270
2980	253	246	246	247	248	251	263	282	309	342
2990	366	366	349	322	287	241	166	111	80	38
3000	3	-38	-85	-130	-162	-185	-188	-184	-182	-182
3010	-181	-180	-178	-177	-177	-165	-164	-149	-125	-127
3020	-120	-114	-114	-119	-120	-123	-132	-136	-143	-144
3030	-137	-130	-121	-115	-116	-125	-140	-158	-173	-165
3040	-147	-113	-78	-40	0	45	95	151	224	334
3050	393	428	426	386	342	279	174	103	15	-63
3060	-101	-132	-163	-183	-171	-157	-155	-166	-168	-208
3070	-234	-247	-229	-208	-164	-114	-54	1	31	41
3080	29	0	-28	-71	-124	-171	-216	-258	-284	-284
3090	-250	-212	-174	-121	-69	15	51	86	100	111
3100	120	134	159	173	181	175	168	163	166	168
3110	170	176	187	197	205	219	219	221	225	227
3120	227	227	228	231	239	246	244	240	234	230
3130	231	235	242	252	257	261	276	258	228	186
3140	149	126	98	66	30	-17	-69	-125	-172	-184
3150	-176	-163	-146	-140	-154	-177	-214	-251	-285	-304
3160	-314	-306	-298	-292	-291	-291	-301	-306	-311	-315
3170	-317	-321	-327	-333	-346	-375	-402	-419	-432	-442
3180	-451	-462	-460	-447	-425	-394	-361	-335	-314	-294

TO BE CONTINUED

CONTINUED(S-1201 WEST)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	-282	-368	-245	-215	-181	-143	-97	-50	-5	32
3200	69	96	119	142	152	147	135	124	117	113
3210	119	139	157	169	167	151	125	103	85	71
3220	63	52	42	28	29	51	73	105	130	154
3230	160	150	137	117	86	66	52	47	25	0
3240	-8	-6	-5	-5	-8	-6	-2	1	4	4
3250	2	-4	-1	-43	-86	-114	-106	-96	-76	-49
3260	-26	-1	5	-6	-23	-52	-84	-105	-126	-137
3270	-134	-120	-92	-56	-16	19	55	84	94	97
3280	95	81	72	56	31	0	-25	-43	-40	-19
3290	9	39	66	93	113	130	144	145	138	129
3300	115	98	80	70	59	48	41	30	23	21
3310	21	21	21	21	17	12	10	10	8	11
3320	19	29	35	38	39	38	39	39	39	42
3330	46	54	61	65	66	66	66	69	83	99
3340	120	136	141	137	122	101	78	57	43	34
3350	24	14	9	10	6	-2	-15	-20	-27	-32
3360	34	-37	-43	-44	-42	-35	-19	-6	11	16
3370	11	5	-2	-13	-12	-16	-24	-36	-40	-47
3380	-60	-73	-83	-92	-108	-127	-156	-192	-248	-224
3390	-213	-199	-186	-179	-162	-143	-144	-128	-106	-85
3400	-70	-64	-60	-57	-59	-62	-67	-75	-81	-84
3410	-67	-47	-31	-21	-10	9	24	42	57	66
3420	73	80	77	62	37	6	-22	-50	-80	-93
3430	-92	-85	-14	-49	-35	-25	-19	-19	-21	-21
3440	-15	-16	-17	-21	-29	-38	-37	-37	-36	-36
3450	-42	-46	-47	-44	-40	-31	-29	-35	-51	-73
3460	-112	-165	-208	-254	-278	-273	-235	-187	-126	-52
3470	-6	27	63	99	124	150	174	189	187	173
3480	140	85	19	-43	-87	-111	-102	-84	-84	-41
3490	-10	-87	-61	-30	13	52	92	136	176	193
3500	-101	-184	-165	-154	-142	-126	-116	-100	-77	-45
3510	195	184	165	154	142	126	116	100	77	45
3520	0	-27	-26	-16	-1	9	22	39	50	47
3530	38	25	11	0	-5	-16	-25	-37	-60	-101
3540	-140	-177	-202	-204	-215	-232	-253	-277	-289	-286
3550	-279	-269	-263	-264	-259	-253	-244	-226	-196	-169
3560	-138	-118	-101	-85	-57	-38	-14	4	18	30
3570	35	41	50	61	72	85	95	104	116	131
3580	152	188	225	267	303	324	333	324	308	300
3590	298	313	345	372	393	409	418	422	412	389
3600	360	320	275	219	171	122	82	47	11	-10
3610	-24	-33	-45	-59	-75	-84	-99	-115	-120	-120
3620	-121	-121	-124	-136	-152	-168	-183	-208	-232	-259
3630	-273	-273	-269	-249	-245	-238	-230	-230	-230	-232
3640	-235	-239	-240	-231	-222	-215	-203	-189	-163	-141
3650	-116	-92	-71	-55	-50	-53	-64	-69	-81	-95
3660	-98	-84	-61	-39	-7	23	59	108	163	212
3670	257	271	260	241	209	174	135	97	63	43
3680	35	26	19	18	31	43	56	58	51	43
3690	42	37	37	37	37	39	43	54	58	75
3700	114	132	143	141	132	117	104	83	60	32
3710	8	-14	-17	-14	-5	1	8	10	4	-7
3720	-24	-52	-93	-128	-146	-167	-187	-200	-199	-183

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 WEST)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	154	165	176	196	216	234	252	262	265	273	4810	229	234	237	233	233	216	207	191	182	
4280	294	309	316	320	321	318	314	309	304	294	4230	173	159	143	120	83	32	26	20	19	
4290	280	256	227	204	165	132	102	69	30	14	4830	42	36	16	-15	-19	-10	-7	-5	-11	
4300	59	104	120	114	-107	-97	-87	-81	-77	-76	4840	-20	-23	-23	-20	-16	-17	-6	-9	-11	
4310	80	90	112	126	144	162	182	206	216	226	4850	-40	-48	-65	-90	-107	-137	-167	-192	-214	
4320	-226	-233	-238	-243	-247	-246	-246	-246	-244	-233	4860	-231	-222	-214	-198	-181	-161	-146	-133	-106	
4330	-216	-200	-183	-160	-148	-137	-137	-137	-136	-121	4870	-82	-88	-89	-82	-68	-47	-16	30	47	
4340	-103	-88	-76	-61	-43	-32	-19	-4	8	11	4880	70	84	82	78	71	62	53	40	21	
4350	22	21	19	11	3	0	-1	11	42	69	4890	2	-1	-1	0	11	27	38	51	76	
4360	92	112	130	148	164	174	181	185	181	170	4900	109	122	131	141	146	149	144	134	121	
4370	147	122	95	84	86	85	81	76	74	67	4910	103	87	71	52	33	14	-10	-27	-37	
4380	60	62	70	81	90	96	104	110	124	139	4920	-73	-99	-122	-146	-167	-186	-192	-197	-198	
4390	150	150	143	132	113	89	66	57	60	64	4930	-188	-181	-176	-171	-164	-161	-161	-163	-168	
4400	66	61	60	52	31	18	2	-23	-25	-71	4940	-177	-177	-177	-172	-167	-156	-144	-122	-93	
4410	-91	-111	-125	-127	-124	-118	-113	-113	-113	-113	4950	-62	-36	-22	-14	-6	-1	9	13	33	
4420	-122	-145	-158	-168	-178	-186	-191	-194	-190	-188	4960	52	74	95	121	146	172	197	213	220	
4430	-188	-185	-189	-192	-191	-187	-180	-174	-169	-175	4970	237	234	236	237	245	248	246	242	241	
4440	-440	-483	-490	-499	-501	-492	-481	-469	-456	-468	4980	237	234	232	222	206	187	161	145	124	
4450	-36	-19	82	101	112	114	111	105	98	93	4990	99	94	87	85	85	81	68	50	23	
4460	91	94	106	120	130	140	144	147	143	138	5000	-9	-27	-35	-46	-62	-71	-80	-88	-89	
4470	176	128	120	116	122	129	139	145	153	162	5010	-88	-94	-98	-111	-123	-139	-157	-174	-181	
4480	169	171	160	141	112	87	59	35	24	23	5020	-177	-171	-160	-144	-125	-115	-106	-104	-113	
4490	30	39	49	58	61	60	57	49	35	21	5030	-114	-93	-85	-78	-77	-81	-81	-83	-82	
4500	-1	-33	-60	-84	-105	-131	-134	-127	-119	-111	5040	-114	-83	-85	-85	-85	-81	-81	-81	-82	
4510	-95	-91	-91	-91	-112	-126	-150	-178	-193	-213	5050	-74	-64	-58	-55	-50	-38	-13	9	30	
4520	-216	-209	-196	-171	-141	-120	-106	-96	-95	-104	5060	62	69	75	75	73	73	81	91	105	
4530	-116	-135	-144	-154	-163	-163	-161	-147	-131	-111	5070	144	161	176	198	214	224	229	231	227	
4540	-95	-71	-39	-23	7	33	46	67	72	100	5080	199	173	142	111	97	84	82	84	82	
4550	141	170	196	216	233	247	251	254	257	248	5090	73	51	34	17	0	-20	-31	-34	-32	
4560	236	249	266	291	314	337	353	367	372	379	5100	-35	-42	-51	-60	-77	-81	-87	-94	-82	
4570	255	259	255	241	218	194	162	134	109	86	5110	-116	-159	-141	-148	-153	-157	-156	-149	-137	
4580	35	45	-1	-15	-13	-8	0	9	11	8	5120	106	97	91	91	93	97	98	94	82	
4590	-2	-11	-51	-74	-103	-159	-194	-222	-255	-272	5130	-58	-47	-37	-33	-35	-35	-33	-34	-36	
4600	-276	-280	-283	-277	-264	-248	-239	-230	-230	-238	5140	-42	-45	-47	-41	-24	1	21	43	66	
4610	-242	-248	-248	-242	-232	-220	-201	-183	-161	-142	5150	107	133	163	164	185	196	200	201	197	
4620	-120	-92	-77	-60	-56	-53	-51	-51	-51	-48	5160	187	175	155	136	115	97	76	68	76	
4630	-46	-22	0	30	61	90	113	136	156	175	5170	81	83	87	91	95	102	117	139	158	
4640	199	223	246	266	292	310	323	338	346	348	5180	163	166	165	158	151	136	115	94	67	
4650	368	359	326	311	293	281	275	267	256	238	5190	-20	-38	-82	-120	-150	-171	-186	-191	-202	
4660	203	170	136	88	37	-8	-53	-83	-101	-143	5200	-207	-207	-207	-207	-204	-199	-189	-174	-151	
4670	-174	-195	-206	-206	-205	-202	-197	-197	-201	-209	5210	113	98	81	75	75	80	84	96	106	
4680	-227	-247	-265	-278	-292	-302	-309	-315	-314	-310	5220	-134	-156	-187	-211	-222	-227	-232	-243	-255	
4690	-306	-298	-292	-287	-279	-272	-274	-276	-279	-281	5230	-119	-86	-40	0	30	58	69	102	130	
4700	-282	-283	-284	-284	-273	-245	-217	-178	-126	-82	5240	159	169	173	173	171	154	130	105	89	
4710	-35	-17	-5	8	22	43	64	81	96	100	5250	76	72	73	76	80	82	84	88	89	
4720	102	109	114	121	129	142	157	172	185	196	5260	103	106	117	123	134	142	148	159	172	
4730	202	213	229	255	285	317	339	344	346	347	5270	187	184	172	162	138	109	85	53	14	
4740	344	341	335	329	325	314	307	298	289	275	5280	-33	-57	-71	-73	-75	-69	-58	-50	-45	
4750	249	219	174	125	86	59	17	-20	-52	-84	5290	-53	-65	-72	-75	-76	-72	-72	-59	-47	
4760	-116	-138	-159	-177	-196	-208	-210	-212	-212	-207	5300	-45	-49	-53	-68	-80	-89	-102	-114	-121	
4770	-197	-187	-178	-174	-167	-167	-167	-171	-172	-177	5310	137	145	148	152	149	142	130	114	94	
4780	-178	-186	-196	-208	-222	-237	-253	-266	-266	-266	5320	-67	-52	-40	-38	-41	-40	-40	-40	-42	
4790	-144	-144	-142	-142	-142	-142	-142	-142	-142	-142	5330	40	81	100	109	113	113	113	112	110	
4800	94	117	139	156	177	191	200	204	212	222	5340	102	95	81	69	58	53	47	39	35	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 WEST)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	35	38	55	73	89	102	110	112	108	103
5360	95	78	45	23	3	-23	-47	-70	-82	-87
5370	-88	-66	-84	-84	-87	-94	-95	-97	-96	-92
5380	-84	-66	-45	-25	-15	-6	-1	-4	-9	-19
5390	-24	-25	-29	-33	-38	-39	-40	-35	-21	-2
5400	18	46	73	93	100	95	85	78	58	40
5410	28	21	17	13	9	3	0	2	5	6
5420	8	12	14	17	21	22	22	24	28	31
5430	35	37	39	39	35	32	29	26	22	19
5440	-19	-12	8	-2	-11	-21	-22	-22	-24	-23
5450	15	12	1	14	29	41	54	64	68	69
5460	68	65	58	44	39	36	34	32	29	17
5470	5	-2	-25	-36	-44	-46	-44	-46	-45	-40
5480	-107	-113	-114	-113	-110	-104	-97	-83	-76	-62
5490	-47	-43	-40	-40	-39	-36	-33	-29	-22	-27
5500	-26	-30	-39	-49	-65	-78	-89	-94	-98	-92
5510	-80	-61	-41	-43	5	30	52	68	77	88
5520	96	103	112	115	118	122	124	117	110	95
5530	83	73	63	55	50	49	51	55	60	73
5540	83	89	97	106	111	119	123	120	112	94
5550	70	52	40	30	13	-1	-11	-27	-46	-75
5560	-115	-135	-139	-135	-129	-119	-109	-87	-77	-71
5570	-70	-68	-70	-71	-68	-65	-64	-64	-64	-63
5580	-63	-65	-74	-80	-87	-97	-107	-117	-135	-138
5590	-138	-132	-115	-96	-70	-40	-12	12	15	15
5600	25	20	19	23	28	34	41	46	42	42
5610	34	26	19	1	0	1	1	1	1	12
5620	37	52	62	74	89	102	108	111	115	119
5630	122	124	127	126	125	123	114	104	95	81
5640	59	31	8	-11	-25	-34	-34	-36	-36	-41
5650	-43	-42	-39	-36	-32	-32	-41	-52	-62	-64
5660	-64	-59	-54	-44	-36	-27	-29	-31	-34	-34
5670	-51	-70	-81	-87	-96	-95	-95	-85	-74	-62
5680	-49	-33	-22	-16	-10	-11	-14	-22	-26	-29
5690	-35	-37	-22	-7	8	29	49	71	83	91
5700	95	94	91	88	82	74	64	41	26	20
5710	16	10	9	7	0	-1	-3	-4	-4	2
5720	7	11	17	25	44	64	80	98	107	107
5730	104	100	91	71	53	35	15	-8	-29	-44
5740	-59	-67	-72	-76	-77	-76	-66	-48	-32	-7
5750	10	17	16	15	14	14	13	3	-7	-13
5760	-13	-15	-32	-41	-52	-54	-46	-35	-23	-11
5770	-11	-11	-13	-16	-20	-22	-23	-14	-14	-9
5780	-6	7	-6	-7	-5	-2	3	11	15	15
5790	18	16	11	0	-12	-20	-21	-23	-22	-22
5800	-21	-15	-6	3	13	26	31	38	40	39
5810	39	39	38	39	40	42	45	46	41	38
5820	28	18	8	0	-7	-9	-14	-19	-22	-23
5830	-19	-15	-10	0	18	21	19	15	12	6
5840	0	0	0	0	-1	-7	-10	-13	-15	-18
5850	-27	-32	-35	-38	-36	-32	-18	-6	5	22
5860	33	34	35	35	36	36	32	28	23	19
5870	13	6	0	0	-7	-11	-17	-31	-41	-46
5880	-55	-60	-56	-45	-29	-13	3	21	41	55

TO BE CONTINUED

CONTINUED (S-1201 WEST)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5890	64	60	56	51	36	25	19	18	18	18
5900	17	13	6	0	-3	-7	-9	-9	-9	-9
5910	-36	-41	-35	-27	-23	-6	6	17	15	11
5920	5	-3	-15	-21	-21	-21	-21	-21	-19	-13
5930	3	12	19	29	37	46	54	53	48	41
5940	35	32	28	22	16	9	7	4	3	4
5950	8	13	19	31	38	47	45	47	45	44
5960	47	54	55	53	49	46	45	39	32	22
5970	6	-10	-24	-36	-42	-48	-34	-34	-34	-32
5980	-32	-31	-28	-25	-22	-15	-16	-13	-8	-5
5990	-5	-5	-7	-17	-29	-44	-62	-73	-65	-53
6000	-36	-13	1	10	11	3	-3	-3	-11	-22
6010	-33	-38	-40	-45	-49	-54	-57	-60	-66	-69
6020	-75	-71	-61	-53	-42	-28	-19	-17	-17	-17
6030	-13	-17	-18	-23	-28	-31	-35	-30	-24	-18
6040	-11	-2	3	7	7	5	3	-2	-4	-10
6050	-14	-5	2	8	13	32	47	53	59	60
6060	61	59	56	52	50	46	42	37	32	27
6070	22	18	15	14	13	8	8	12	19	24
6080	30	36	35	35	36	39	44	50	55	52
6090	39	28	19	10	-4	-20	-29	-26	-15	-3
6100	13	26	31	31	27	22	8	-9	-21	-31
6110	-36	-38	-35	-31	-27	-22	-16	-10	-15	-18
6120	-23	-27	-28	-25	-22	-17	-12	-14	-17	-20
6130	-25	-26	-34	-31	-28	-25	-20	-9	-7	-7
6140	-2	3	9	14	18	20	21	21	21	20
6150	-2	22	22	19	18	16	19	21	22	22
6160	18	11	3	-2	-8	-13	-14	-8	0	11
6170	34	51	60	61	61	59	60	57	54	52
6180	46	41	31	28	21	11	5	-2	-15	-23
6190	-42	-47	-48	-44	-37	-26	-10	2	11	14
6200	14	13	7	-1	-23	-44	-50	-71	-83	-85
6210	-89	-95	-96	-93	-85	-81	-74	-52	-28	-8
6220	12	31	35	39	44	52	54	57	58	57
6230	55	52	49	42	35	33	33	33	34	36
6240	39	41	41	43	50	55	56	56	56	53
6250	65	74	81	93	99	95	92	87	71	48
6260	30	10	-13	-38	-47	-58	-66	-66	-60	-52
6270	-45	-39	-40	-41	-43	-44	-45	-47	-49	-53
6280	-68	-64	-68	-68	-75	-83	-90	-103	-115	-127
6290	-133	-139	-138	-134	-131	-126	-110	-92	-77	-72
6300	-54	-36	-15	-6	4	19	36	38	48	51
6310	64	71	78	83	85	87	94	106	117	126
6320	129	136	145	148	148	147	144	137	130	119
6330	108	98	94	77	56	54	52	45	37	24
6340	7	-11	-30	-50	-59	-58	-64	-69	-72	-72
6350	-70	-69	-69	-77	-84	-89	-92	-94	-94	-94
6360	-94	-89	-89	-88	-87	-87	-84	-76	-71	-81
6370	-83	-84	-86	-86	-85	-77	-67	-49	-43	-34
6380	-21	8	5	16	30	44	51	49	50	50
6390	51	50	51	51	55	58	70	75	77	80
6400	89	94	92	87	79	74	64	48	47	51
6410	55	61	66	66	63	57	48	40	27	18
6420	15	5	0	-6	-9	-9	-5	-6	-14	-17

TO BE CONTINUED

CONTINUED (S-1201 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-20	-24	-28	-32	-30	-28	-26	-27	-24	-21
6440	-20	-19	-15	-13	-15	-15	-15	-19	-10	-8
6450	-3	0	1	4	-3	-6	-10	-6	-10	-8
6460	-9	-6	0	6	13	17	18	21	19	16
6470	12	8	1	0	1	6	8	13	18	17
6480	22	19	15	12	10	5	7	8	7	8
6490	5	10	17	16	4	3	3	3	1	-1
6500	-3	-10	-16	-18	-15	-7	1	9	16	24
6510	28	28	25	21	19	15	5	0	0	-8
6520	-12	-13	-16	-16	-16	-18	-20	-20	-17	-17
6530	-19	-24	-24	-27	-24	-22	-22	-22	-19	-16
6540	-12	-11	-12	-14	-16	-16	-16	-16	-16	-16
6550	-33	-29	-23	-19	-12	1	10	21	25	27
6560	30	28	26	21	18	16	11	2	-2	-2
6570	5	18	21	24	24	21	22	17	13	9
6580	4	-1	-4	0	3	4	4	4	11	17
6590	20	20	20	20	20	24	24	25	30	39
6600	36	25	18	13	11	8	-1	-19	-22	-17
6610	-13	-11	-9	-9	-9	-9	-9	-13	-15	-18
6620	-23	-31	-37	-37	-37	-38	-38	-38	-38	-38
6630	-38	-38	-38	-38	-44	-44	-45	-45	-45	-45
6640	-6	10	31	49	48	41	35	28	25	20
6650	19	25	29	33	35	39	41	38	35	30
6660	24	20	13	3	3	-1	0	3	4	2
6670	-1	5	-16	-30	-43	-49	-58	-74	-88	-88
6680	-85	-76	-61	-50	-39	-30	-20	-13	-9	0
6690	12	23	29	34	40	49	61	71	73	73
6700	73	71	67	65	65	64	60	59	54	56
6710	53	47	42	39	44	44	51	54	55	53
6720	50	45	39	31	21	9	-4	-17	-27	-35
6730	-39	-49	-52	-56	-59	-59	-51	-46	-39	-36
6740	-30	-19	-5	-3	-9	-16	-19	-25	-41	-59
6750	-74	-87	-94	-104	-105	-108	-108	-107	-106	-105
6760	-102	-101	-96	-83	-69	-59	-45	-28	-20	-11
6770	0	23	36	41	41	41	43	47	46	42
6780	42	39	33	37	47	54	59	64	78	99
6790	112	113	134	135	132	131	129	125	125	125
6800	121	118	114	99	86	83	76	58	44	30
6810	18	15	11	0	-15	-19	-25	-34	-42	-45
6820	-46	-47	-42	-46	-55	-62	-68	-75	-80	-85
6830	-85	-81	-87	-83	-81	-81	-81	-75	-68	-65
6840	-61	-61	-59	-69	-74	-77	-80	-77	-66	-58
6850	-45	-35	-30	-26	-25	-20	-15	-5	7	12
6860	22	30	35	51	66	78	88	95	99	100
6870	100	100	96	90	82	76	68	61	55	52
6880	47	46	45	45	42	36	32	34	30	17
6890	12	9	4	0	-1	1	1	4	5	9
6900	13	17	20	14	6	1	-7	-12	-18	-25
6910	-26	-21	-19	-18	-13	-8	-6	-10	-16	-24
6920	-34	-42	-47	-46	-41	-34	-24	-13	-1	6
6930	7	5	7	10	13	16	16	11	4	0
6940	-3	5	-6	-15	-28	-40	-44	-47	-49	-47
6950	-40	-29	-23	-14	-6	-2	0	2	3	3
6960	-2	-4	-6	-14	-20	-22	-22	-24	-25	-30

TO BE CONTINUED

CONTINUED (S-1201 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6970	-35	-38	-40	-42	-42	-39	-39	-35	-25	-17
6980	-12	-5	0	3	1	0	0	0	0	0
6990	-9	-7	-3	-3	0	3	9	8	10	8
7000	4	7	10	16	16	19	16	13	23	25
7010	25	-21	-6	-14	-16	-17	-16	-1	-23	-25
7020	4	2	-16	-17	-19	-13	-6	-1	6	13
7030	20	25	21	16	17	14	4	-3	-11	-14
7040	18	27	28	28	27	27	29	-26	-21	-16
7050	-14	-12	-13	-14	-15	-10	-8	-8	-4	-6
7060	-2	0	3	3	4	3	2	1	1	4
7070	7	13	17	27	36	40	44	44	51	50
7080	49	47	44	40	39	42	45	48	51	51
7090	50	50	50	44	41	41	38	35	30	30
7100	23	16	9	2	-4	-12	-24	-40	-46	-47
7110	45	-46	-41	-36	-29	-24	-24	-24	-24	-26
7120	-27	-33	-35	-31	-28	-26	-26	-26	-30	-31
7130	-31	-45	-52	-58	-65	-59	-60	-56	-48	-29
7140	-12	1	13	28	39	45	46	46	45	42
7150	39	38	41	41	41	39	36	35	35	35
7160	35	35	32	31	29	26	25	21	16	14
7170	9	1	-7	-23	-37	-48	-55	-55	-55	-57
7180	-59	-62	-62	-64	-67	-73	-81	-86	-87	-87
7190	-81	-86	-83	-81	-77	-75	-74	-76	-80	-80
7200	-87	-91	-97	-97	-97	-97	-91	-85	-77	-66
7210	-55	-45	-34	-21	-10	-1	9	23	38	54
7220	65	72	77	78	75	70	67	65	60	51
7230	46	43	37	36	38	42	45	46	47	54
7240	56	54	51	48	43	42	37	33	32	35
7250	41	43	38	41	38	33	27	21	19	16
7260	8	-3	-16	-21	-23	-24	-24	-24	-24	-22
7270	-22	-22	-23	-21	-21	-20	-27	-34	-37	-38
7280	-38	-38	-38	-45	-45	-45	-52	-60	-58	-56
7290	-58	-62	-69	-70	-70	-70	-70	-67	-74	-74
7300	-70	-85	-86	-90	-96	-96	-89	-86	-87	-88
7310	-9	-2	9	12	15	24	31	31	33	42
7320	49	54	57	61	62	59	58	55	51	55
7330	44	44	41	44	45	55	64	64	66	71
7340	75	74	69	67	63	57	52	51	51	51
7350	49	45	37	27	12	5	4	-12	-22	-23
7360	-27	-29	-29	-31	-30	-33	-34	-34	-34	-37
7370	-42	-43	-43	-45	-49	-54	-55	-55	-55	-55
7380	-57	-57	-57	-56	-56	-50	-41	-34	-24	-17
7390	-13	-2	10	22	29	39	64	75	75	72
7400	70	65	49	45	35	24	19	11	4	1
7410	0	1	5	9	14	17	19	22	23	23
7420	27	24	22	22	13	9	6	6	3	0
7430	-2	-6	-9	-12	-12	-15	-19	-24	-27	-31
7440	-38	-37	-34	-35	-35	-35	-34	-38	-41	-43
7450	-63	-62	-62	-61	-61	-62	-62	-62	-62	-61
7460	-37	-37	-36	-38	-38	-34	-35	-28	-23	-23
7470	-15	-8	-6	-3	-1	-3	-1	10	18	26
7480	37	41	41	41	43	43	38	36	33	28
7490	24	16	10	8	8	8	8	8	8	9
7500	12	14	19	28	32	32	36	38	38	37

TO BE CONTINUED

CONTINUED (S-1201 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	36	37	33	30	25	23	18	12	7	1
7520	-3	-10	-25	-32	-36	-45	-50	-56	-69	-73
7530	-72	-72	-69	-63	-58	-54	-46	-45	-45	-48
7540	-51	-52	-54	-59	-61	-68	-66	-65	-65	-64
7550	-35	-39	-32	-21	-6	4	5	18	29	41
7560	53	58	60	60	58	52	48	43	40	38
7570	37	37	34	30	28	23	18	16	16	16
7580	14	13	13	14	13	13	13	13	13	13
7590	13	13	13	13	13	13	10	7	3	-1
7600	-7	-7	-5	-2	-3	-6	-8	-9	-9	-9
7610	-10	-13	-18	-22	-25	-32	-39	-43	-44	-44
7620	-44	-44	-39	-31	-31	-30	-24	-23	-21	-13
7630	-1	0	0	0	0	2	2	1	0	-1
7640	0	-1	-3	-10	-20	-25	-23	-15	-11	-6
7650	10	23	38	47	57	62	63	62	62	66
7660	68	68	62	56	54	52	48	34	22	23
7670	23	23	21	22	22	22	20	18	12	10
7680	7	3	2	-2	-8	-10	-10	-11	-12	-13
7690	-16	-18	-20	-28	-38	-40	-36	-43	-38	-33
7700	-35	-33	-29	-19	-11	-6	-7	-4	-5	-11
7710	-18	-28	-32	-35	-36	-36	-35	-33	-33	-33
7720	-33	-31	-30	-31	-30	-30	-27	-18	-13	-3
7730	4	8	13	24	29	38	40	41	41	61
7740	41	44	44	50	56	60	64	63	62	58
7750	49	44	42	38	16	0	-7	-15	-19	-20
7760	-19	-12	-4	-4	-5	-5	-1	11	10	7
7770	3	-2	-9	-19	-22	-26	-33	-36	-45	-59
7780	-69	-72	-72	-72	-72	-69	-52	-45	-33	-24
7790	-3	19	30	39	44	60	69	77	87	94
7800	98	100	95	92	88	82	78	76	72	61
7810	53	48	47	35	31	30	29	20	8	1
7820	-4	-8	-10	-12	-15	-13	-14	-14	-14	-14
7830	-20	-26	-27	-32	-34	-34	-32	-27	-24	-25
7840	-25	-26	-28	-30	-32	-36	-40	-43	-45	-44
7850	-45	-42	-38	-33	-24	-18	-13	-13	-14	-15
7860	-14	-14	-14	-14	-14	-14	-14	-14	-14	-10
7870	0	8	9	9	16	26	28	28	31	32
7880	33	33	31	31	31	31	31	31	31	32
7890	31	31	27	22	20	18	17	12	5	5
7900	-1	-5	-6	-15	-21	-28	-29	-31	-31	-32
7910	-32	-30	-27	-24	-21	-18	-17	-11	-8	-9
7920	-9	-9	-9	-10	-10	-11	-11	-11	-11	-11
7930	-13	-13	-13	-13	-14	-18	-19	-15	-6	-2
7940	3	10	17	30	37	46	51	54	55	53
7950	51	49	44	37	32	16	9	5	1	0
7960	-2	-2	-2	-7	-9	-11	-12	-10	-5	0
7970	4	7	11	17	17	14	9	4	0	-4
7980	-10	-22	-36	-42	-46	-52	-59	-64	-65	-69
7990	-62	-54	-43	-34	-29	-15	0	9	11	11
8000	11	11	12	12	11	8	8	8	8	8
8010	4	4	4	0	4	14	25	28	37	42
8020	49	54	54	53	50	46	40	35	31	26
8030	25	15	-1	-9	-9	-13	-18	-23	-23	-20
8040	-18	-10	-3	1	0	5	9	16	25	31

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	-30	-27	-22	-17	-13	-22	-21	-15	-8	-8
8600	-8	-7	-10	-14	-19	-23	-24	-24	-22	-12
8610	-3	0	8	11	15	19	22	28	32	37
8620	37	37	38	43	46	48	49	50	51	50
8630	49	53	52	51	49	48	48	45	43	40
8640	37	35	25	22	20	18	14	6	-1	-13
8650	-31	-32	-31	-33	-33	-37	-37	-37	-37	-37
8660	-37	-37	-37	-37	-40	-43	-43	-38	-35	-33
8670	-30	-24	-19	-17	-14	-12	-5	-1	2	3
8680	1	1	2	7	9	11	16	24	38	43
8690	44	44	47	50	51	50	48	43	42	42
8700	42	42	45	47	48	48	46	43	42	34
8710	29	27	24	23	23	18	15	17	23	26
8720	27	27	26	23	24	21	20	18	16	13
8730	11	9	5	5	-1	-11	-16	-19	-23	-26
8740	-26	-29	-25	-20	-14	-7	-3	0	2	3
8750	3	3	4	5	3	0	-3	-1	-2	-1
8760	-3	-7	-11	-16	-22	-24	-24	-25	-25	-26
8770	-25	-24	-20	-16	-8	-1	0	2	7	13
8780	17	16	21	23	23	23	20	18	15	12
8790	9	8	9	10	12	17	20	24	26	30
8800	36	38	40	41	42	41	40	30	16	10
8810	5	-11	-20	-23	-23	-23	-23	-23	-22	-22
8820	-23	-22	-21	-20	-16	-5	5	12	15	16
8830	21	23	23	18	14	10	7	6	6	6
8840	6	6	14	22	26	32	45	61	71	79
8850	84	91	100	105	102	96	91	87	79	68
8860	60	51	44	36	19	6	-1	-6	-10	-12
8870	-12	-12	-12	-10	-8	-7	-7	-11	-16	-21
8880	-21	-24	-31	-37	-37	-37	-40	-40	-40	-40
8890	-40	-40	-40	-40	-48	-40	-40	-38	-35	-30

END

RECORD = S-12D1 COMPONENT = NORTH STATION = SHIOGAMA-KOJYO-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 8700
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = D.1 GAL
 SIGNAL = GR.ACC.
 CONNECTION POINT IN DATA NUMBER= 4437, 8900.

CONTINUED (S-12D1 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
0	-6	-8	-10	-13	-15	-17	-19	-22	-24	-18	-183	-186	-187	-174	-138	-81	-29	34	71	128	
10	-15	-12	-9	-6	-1	4	9	14	8	2	229	272	276	242	148	38	-76	-124	-111	-55	
20	-4	-11	-18	-24	-31	-38	-45	-52	-24	-28	0	60	74	82	85	72	62	37	-27	-89	
30	-32	-36	-40	-40	-31	-22	-14	-7	-3	8	520	-132	-162	-194	-201	-156	-84	3	77	105	
40	-13	-20	-28	-27	-22	-16	-8	0	5	8	530	98	84	68	53	74	110	156	188	182	
50	8	7	5	1	-2	1	10	21	32	36	450	152	144	114	82	48	27	15	29	85	
60	38	30	21	11	7	6	8	17	31	43	550	201	250	242	181	115	73	56	43	19	
70	55	65	66	58	27	-4	-35	-63	-57	-52	560	300	-307	-172	-141	-83	-74	-128	-205	-292	
80	-55	-51	-44	-35	-42	-34	-44	-39	-35	-44	580	145	-95	-60	-48	-50	-44	-37	-54	-115	
90	-13	-9	-18	-35	-56	-68	-50	-33	-17	-3	600	180	-187	-146	-87	-31	32	31	116	189	
100	1	5	-15	-24	-23	-5	15	38	62	85	610	120	105	114	156	206	240	227	193	148	
110	101	89	75	44	-3	-37	-42	-24	-7	-8	620	56	37	48	62	30	-26	-89	-112	-89	
120	13	18	-7	-51	-84	-96	-87	-62	-34	21	630	-63	-106	-186	-237	-282	-318	-316	-272	-220	
130	69	110	128	103	49	-37	-141	-165	-166	-124	640	-115	-57	-15	19	43	63	84	146	286	
140	-32	87	150	138	87	26	-55	-168	-211	-190	650	328	342	328	308	288	271	234	193	174	
150	-141	-59	35	91	98	50	-11	-90	-153	-180	660	-64	-116	-131	-139	-148	-178	-190	-196	-158	
160	-171	-123	-76	-48	-2	85	131	127	104	59	670	-70	-35	8	45	78	108	143	153	141	
170	-47	-109	-144	-168	-172	-146	-69	-8	27	36	680	84	30	-23	-84	-118	143	122	-70	-50	
180	45	31	2	-39	-134	-147	-104	-32	13	35	690	100	-115	-92	-25	49	113	134	114	-72	
190	116	126	80	36	27	19	10	-3	-23	-44	700	-149	-182	-181	-154	-87	-1	78	147	197	
200	-55	-69	-77	-71	-74	-111	-124	-100	-49	12	710	212	201	194	206	218	225	232	218	190	
210	104	70	11	-51	-10	63	76	70	82	98	720	68	1	-83	-179	-215	-249	-248	-214	-99	
220	37	17	5	0	26	67	99	90	58	17	730	105	150	125	20	132	246	259	-307	-112	
230	0	-18	-40	-66	-112	-160	-209	-217	-200	-151	740	56	119	160	181	101	-43	-149	-320	-425	
240	-120	-62	-11	9	-16	-40	-67	-88	-92	-79	750	-448	-381	-284	-165	-64	18	118	183	214	
250	-66	-68	-76	-74	-57	-7	56	120	117	77	760	120	46	17	-5	17	5	26	45	62	
260	17	-82	-104	-117	-97	-53	-38	-143	-215	240	770	-29	-91	-145	-177	-186	-176	-118	-56	13	
270	211	167	125	75	36	3	-18	-35	-36	-21	780	59	52	46	57	72	100	110	104	96	
280	10	33	42	52	59	71	88	87	71	38	790	96	101	98	96	145	206	295	372	430	
290	-5	-176	-194	-181	-164	-134	-89	-41	7	89	800	515	530	507	476	399	212	-33	-234	-388	
300	67	8	-106	-161	-177	-153	-123	-98	-71	-28	810	-656	-629	-379	-331	-303	-299	-296	-292	-288	
310	13	45	75	64	23	-51	-92	-109	-92	-64	820	-267	-224	-159	-79	-2	75	150	204	252	
320	-33	5	24	23	16	12	9	14	28	58	830	270	229	151	25	-43	-73	-90	-50	41	
330	98	116	110	95	64	47	49	72	90	86	840	199	223	228	233	239	247	218	169	99	
340	67	44	36	38	62	28	-23	-61	-79	-90	850	12	-6	-25	-39	-32	-4	45	111	140	
350	-77	-59	-22	12	45	44	20	-42	-54	-49	860	36	-83	-210	-328	-389	-424	-437	-435	-414	
360	-122	-139	-149	-126	-102	-71	-54	-42	-31	-14	870	-330	-293	-268	-247	-233	-209	-173	-123	-73	
370	10	21	13	0	-11	-25	-31	-24	-3	19	880	61	119	213	349	384	333	263	193	129	
380	52	96	137	163	187	206	207	178	148	123	890	129	160	213	266	307	344	367	353	324	
390	108	100	119	141	158	153	140	96	39	-41	900	271	250	216	173	124	49	-32	-282	-412	
400	-131	-233	-283	-307	-310	-299	-275	-230	-196	-143	910	-425	-362	-264	-131	33	108	241	325	374	
410	-100	-53	-17	-25	-57	-105	-189	-274	-311	-313	920	349	292	203	67	-121	-246	-276	-297	-291	
420	-280	-233	-151	-62	-9	62	148	213	201	157	930	314	320	-320	-301	-261	-203	-105	-59	-1	
430	92	36	-31	-82	-117	-191	-191	-170	-103	-3	940	117	161	182	200	198	181	137	81	14	
440	72	114	123	115	101	74	48	22	-7	-32	950	-155	-67	-67	4	-24	-71	-131	-197	-241	
450	-45	-25	-22	84	154	228	320	364	339	280	960	134	194	250	295	317	326	329	338	352	
460	171	49	-69	-106	-118	-89	-30	15	49	83	970	314	276	250	228	248	305	409	443	416	
470	109	120	100	66	27	-24	-85	-163	-228	-232	980	399	383	337	225	180	160	169	284	385	
480	-215	-184	-155	-154	-169	-179	-182	-184	-184	-181	1000	640	734	834	912	981	1025	1073	1117	1197	
											1010	1323	1361	1377	1391	1358	1279	1168	889	484	78
											1020	-109	-326	-589	-770	-928	-1064	-1175	-1253	-1287	-1290

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-1272	-1243	-1206	-1209	-1273	-1322	-1361	-1398	-1427	-1460
1040	-1483	-1510	-1547	-1610	-1681	-1708	-1729	-1711	-1677	-1641
1050	-1597	-1556	-1516	-1450	-1388	-1339	-1196	-1014	-833	-652
1060	-470	-346	-298	-249	-268	-295	-334	-351	-327	-294
1070	-247	-185	-25	88	232	391	656	792	950	1074
1080	1135	1428	1439	1402	1051	982	941	823	724	646
1090	521	422	363	330	332	368	503	640	775	871
1100	1016	1098	1184	1252	1325	1366	1355	1283	1168	1068
1110	935	608	281	-90	-224	-400	-581	-622	-673	-718
1120	-727	-661	-551	-333	-107	141	322	458	665	761
1130	821	820	781	738	716	702	676	649	614	599
1140	522	575	627	660	666	702	676	667	647	712
1150	736	764	772	745	687	601	517	421	324	266
1160	230	483	144	-1	-454	-287	-445	-577	-664	-839
1170	-920	-1057	-1208	-1265	-1297	-1304	-1285	-1239	-1165	-1091
1180	-1017	-970	-945	-964	-990	-994	-1004	-1019	-1036	-1076
1190	-1158	-1255	-1342	-1438	-1487	-1465	-1373	-1236	-1099	-962
1200	-825	-684	-543	-414	-286	-157	3	156	321	460
1210	630	724	743	793	817	822	801	768	742	746
1220	788	841	897	966	1039	1104	1143	1168	1195	1187
1230	1161	1125	1085	1039	980	886	797	717	659	640
1240	649	645	628	635	614	598	586	582	591	602
1250	606	594	537	453	325	188	23	-141	-253	-347
1260	-450	-530	-590	-637	-710	-768	-816	-824	-823	-836
1270	-1165	-1170	-1158	-1136	-1063	-940	-816	-624	-423	-236
1280	-101	37	174	303	409	445	488	497	477	427
1290	400	398	399	385	355	319	235	141	51	51
1300	-24	-15	32	97	179	251	329	405	467	525
1310	520	452	362	246	156	75	-16	-114	-210	-308
1320	-407	-496	-604	-661	-737	-820	-917	-993	-1050	-1103
1330	-1141	-1165	-1152	-1128	-1102	-1078	-1077	-1098	-1133	-1135
1340	-1114	-1062	-959	-858	-662	-487	-287	-65	130	310
1350	495	613	718	1003	1187	1367	1521	1611	1639	1616
1360	1570	1515	1457	1408	1426	1466	1488	1508	1511	1497
1370	1469	1421	1351	1247	1070	933	724	503	359	269
1380	189	85	-3	-103	-216	-408	-516	-619	-717	-834
1390	-954	-1107	-1340	-1616	-2103	-2384	-2508	-2642	-2648	-2643
1400	-2597	-2951	-2412	-2222	-1933	-1731	-1499	-1275	-1051	-825
1410	-566	-306	-47	168	388	578	723	866	979	1023
1420	1085	1121	1163	1202	1267	1323	1395	1567	1643	1661
1430	1877	1878	1665	1651	1628	1579	1523	1457	1366	1279
1440	1177	1138	1088	1050	1025	991	947	886	811	720
1450	618	522	420	297	152	-24	-282	-542	-789	-969
1460	-1087	-1133	-1238	-1291	-1328	-1426	-1477	-1608	-1796	-1946
1470	-2112	-2207	-2281	-2192	-2077	-1772	-1428	-1100	-838	-642
1480	-447	-249	-46	96	232	396	539	573	707	867
1490	978	1011	1168	1326	1429	1255	1274	1296	1323	1312
1500	1225	1006	787	567	336	176	67	246	-130	98
1510	48	-10	13	43	5	-79	-120	-246	-430	-518
1520	-621	-718	-838	-873	-906	-934	-979	-1032	-1131	-1194
1530	-1258	-1297	-1279	-1228	-1151	-1022	-805	-588	-370	-154
1540	36	183	305	441	513	577	644	711	818	906
1550	1005	1070	1091	1091	1077	1057	1039	1036	1065	1115
1560	1216	1319	1362	1382	1352	1282	1184	1092	1004	926

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1201 NORTH)

CONTINUED(S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	114	132	169	212	241	259	276	286	302	324	2650	702	742	766	750	725	700	674	642	610
2120	353	384	409	427	428	423	405	363	249	163	2660	591	552	497	414	261	88	-32	-94	-122
2130	92	1	-143	-251	-349	-454	-564	-733	-805	-784	2670	-179	-203	-228	-240	-233	-185	-140	-102	-156
2140	-730	-671	-620	-590	-580	-576	-570	-550	-526	-481	2680	-146	22	56	79	100	118	139	157	174
2150	-425	-351	-282	-114	-5	86	140	155	137	81	2690	168	147	118	85	0	-76	-130	-188	-247
2160	6	-54	-94	-137	-130	-112	-15	66	140	234	2700	-240	-231	-181	-139	-118	-101	-65	-43	-22
2170	325	348	331	305	275	265	276	316	368	450	2710	-12	-26	-47	-57	-75	-94	-112	-132	-143
2180	553	631	705	738	744	728	676	626	574	519	2720	-120	-86	-74	-58	-51	-36	-18	-5	7
2190	443	361	277	182	71	-42	-161	-251	-316	-355	2730	17	15	7	-12	-37	-77	-128	-183	-240
2200	-349	-319	-269	-217	-156	-98	-46	-10	-32	-40	2740	-331	-351	-348	-307	-236	-132	-24	50	138
2210	-86	-163	-236	-315	-376	-427	-465	-474	-511	-517	2750	207	240	255	257	251	247	219	194	144
2220	-501	-472	-437	-400	-344	-262	-167	-55	21	51	2760	75	-12	-111	-183	-255	-368	-439	-415	-366
2230	42	13	-34	-60	-67	-127	-148	-183	-203	-205	2770	-241	-187	-144	-103	-38	13	66	146	208
2240	-195	-174	-159	-132	-100	-68	-34	-23	-30	-40	2780	300	333	345	332	286	246	193	124	23
2250	-43	-78	-89	-102	-115	-124	-117	-108	-99	-97	2790	-67	-104	-142	-139	-107	-77	-16	126	200
2260	-113	-145	-188	-209	-204	-178	-135	-85	-4	126	2800	330	397	446	482	481	481	470	449	433
2270	208	227	207	156	83	-4	-89	-124	-84	-18	2810	335	275	205	125	47	-14	-71	-111	-158
2280	98	197	294	407	572	674	806	906	962	1019	2820	-113	-48	-10	23	65	84	86	57	2
2290	1061	1062	1036	997	902	803	677	581	438	283	2830	-138	-197	-274	-361	-426	-480	-509	-495	-461
2300	144	52	-49	-101	-130	-132	-105	-85	25	54	2840	-382	-339	-291	-234	-153	-111	-70	-65	-77
2310	65	75	84	86	91	94	97	93	69	36	2850	-95	-98	-108	-129	-140	-137	-118	-85	-43
2320	4	-26	-90	-116	-117	-120	-124	-126	-133	-151	2860	-12	13	14	7	-9	-25	-44	-46	-37
2330	-171	-205	-237	-274	-320	-355	-384	-386	-355	-307	2870	-30	14	24	74	138	185	230	290	306
2340	-282	-219	-193	-169	-144	-214	-241	-301	-353	-416	2880	300	291	289	288	292	299	304	298	290
2350	-473	-520	-575	-631	-680	-730	-781	-813	-801	-774	2890	274	254	239	210	181	161	143	95	47
2360	-729	-676	-613	-519	-427	-330	-227	-127	-41	77	2900	-40	-88	-145	-203	-258	-303	-344	-364	-381
2370	157	220	271	324	378	418	449	476	505	528	2910	-460	-502	-506	-481	-438	-402	-375	-348	-325
2380	552	582	622	657	726	790	840	874	878	858	2920	-308	-303	-294	-270	-237	-182	-130	-102	-68
2390	822	774	717	652	585	518	483	473	494	534	2930	-52	-60	-66	-73	-79	-80	-70	-47	-32
2400	552	583	600	586	557	476	379	233	126	27	2940	-15	8	49	101	141	163	174	160	247
2410	-66	-185	-338	-456	-636	-750	-813	-876	-946	-992	2950	338	379	425	472	516	550	570	574	542
2420	-1028	-1045	-1110	-1173	-1236	-1279	-1326	-1365	-1314	-1251	2960	490	423	368	290	246	234	237	242	225
2430	-1168	-1073	-971	-886	-754	-651	-497	-352	-150	41	2970	166	137	102	65	36	27	19	3	42
2440	213	344	379	436	537	575	593	604	607	604	2980	-71	-101	-106	-124	-152	-178	-177	-207	-213
2450	598	604	629	645	662	674	673	672	669	664	2990	-221	-220	-218	-208	-187	-172	-159	-145	-152
2460	661	676	682	693	741	814	865	884	873	830	3000	-176	-203	-227	-249	-267	-278	-279	-284	-288
2470	757	661	548	411	209	64	-94	-224	-298	-354	3010	-285	-273	-244	-201	-158	-112	-58	-1	88
2480	-395	-421	-441	-459	-467	-461	-443	-421	-390	-349	3020	170	175	179	180	177	175	174	162	140
2490	-310	-279	-246	-227	-212	-195	-193	-187	-177	-169	3030	111	93	75	50	26	17	28	42	70
2500	-139	-117	-103	-91	-66	-54	-53	-67	-119	-165	3040	150	196	238	279	313	376	395	379	359
2510	-225	-256	-267	-236	-184	-95	-26	40	106	141	3050	278	223	171	117	62	10	-34	-38	-27
2520	164	165	166	161	172	154	137	120	98	65	3060	33	70	97	119	137	145	147	141	127
2530	36	-8	-47	-87	-119	-129	-113	-85	-53	5	3070	70	28	-6	-41	-81	-139	-203	-264	-315
2540	37	33	7	-25	-95	-181	-263	-351	-478	-537	3080	-417	-478	-498	-473	-415	-349	-285	-215	-141
2550	-628	-591	-521	-454	-390	-327	-275	-271	-276	-276	3090	-54	-9	24	50	44	37	10	-14	-43
2560	-271	-241	-239	-201	-146	-80	-23	30	67	91	3100	-92	-93	-75	-60	-46	-19	3	22	36
2570	99	103	123	150	181	203	234	264	292	317	3110	70	88	102	116	125	138	176	212	243
2580	350	407	470	530	577	620	663	688	702	699	3120	316	336	349	355	342	324	282	226	177
2590	675	628	585	530	476	363	299	254	198	158	3130	93	62	43	24	8	0	1	1	-12
2600	106	63	28	-7	-59	-150	-204	-272	-363	-447	3140	-20	-33	-47	-65	-92	-127	-160	-198	-195
2610	-483	-608	-645	-683	-703	-724	-727	-710	-683	-655	3150	-148	-114	-76	-35	-5	-7	-13	-55	-104
2620	-624	-571	-531	-484	-443	-398	-344	-293	-225	-225	3160	-486	-484	-481	-468	-452	-433	-411	-82	-61
2630	-178	-129	-77	-9	40	103	172	230	283	300	3170	-68	-76	-80	-84	-86	-72	-62	-44	-24
2640	304	306	312	323	346	380	444	517	589	644	3180	14	-1	-9	-25	-47	-65	-82	-99	-121

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 NORTH)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	-159	-148	-148	-144	-152	-163	-182	-198	-211	-222
3200	-231	-230	-222	-210	-190	-169	-94	-42	11	78
3210	106	116	122	128	135	139	144	151	161	174
3220	194	220	249	280	288	276	258	240	209	171
3230	138	108	89	77	66	53	37	22	15	19
3240	30	42	81	95	79	49	24	7	1	7
3250	11	16	22	27	30	33	31	24	9	2
3260	0	0	4	10	16	25	35	53	85	116
3270	143	162	163	155	145	125	107	95	87	81
3280	68	52	31	8	-11	-38	-75	-93	-82	-62
3290	-28	10	38	57	51	27	3	-44	-131	-165
3300	-217	-260	-328	-365	-403	-435	-450	-434	-407	-379
3310	-349	-318	-294	-285	-277	-262	-242	-207	-172	-144
3320	-115	-83	-52	-20	22	57	99	135	148	146
3330	140	132	126	111	104	105	121	138	148	146
3340	211	241	268	291	306	310	303	291	273	250
3350	207	204	186	173	171	172	174	175	173	172
3360	170	161	149	134	116	98	82	86	93	99
3370	99	87	64	22	-8	-47	-86	-128	-134	-134
3380	-141	-149	-166	-195	-220	-245	-270	-292	-294	-281
3390	-271	-258	-241	-212	-178	-135	-85	-44	-8	4
3400	11	24	44	82	113	145	181	203	217	227
3410	221	202	182	156	136	122	109	97	85	59
3420	27	0	-46	-81	-75	-51	-29	-7	17	38
3430	45	42	28	12	-13	-43	-66	-89	-116	-145
3440	-174	-176	-174	-165	-151	-131	-119	-100	-87	-87
3450	-89	-92	-96	-108	-118	-129	-137	-155	-172	-194
3460	-208	-207	-188	-168	-145	-115	-77	-40	-4	33
3470	66	104	139	167	194	215	228	223	211	203
3480	202	208	217	233	250	273	293	303	298	286
3490	287	245	221	201	188	170	154	134	109	81
3500	53	23	-12	-53	-69	-61	-48	-25	-3	14
3510	11	2	-18	-48	-82	-105	-135	-142	-133	-123
3520	-118	-102	-82	-75	-81	-90	-98	-104	-108	-111
3530	-100	-80	-62	-45	-21	-2	-1	-12	-31	-58
3540	-76	-93	-104	-104	-98	-83	-90	-85	-78	-71
3550	-64	-63	-63	-64	-74	-82	-112	-150	-180	-202
3560	-212	-212	-202	-185	-173	-160	-123	-84	-29	3
3570	26	51	60	57	56	52	52	48	56	61
3580	86	100	119	141	167	194	222	248	278	311
3590	341	356	355	343	330	315	299	279	259	242
3600	220	203	196	194	192	191	184	174	167	153
3610	119	25	-39	-91	-132	-166	-210	-224	-232	-214
3620	-214	-218	-218	-217	-213	-209	-200	-193	-186	-182
3630	-183	-185	-190	-196	-207	-218	-228	-237	-233	-234
3640	-350	-379	-408	-408	-378	-352	-278	-244	-200	-200
3650	-151	-115	-82	-59	-46	-38	-36	-20	6	42
3660	87	113	149	174	197	196	190	190	190	202
3670	223	238	255	280	304	330	347	356	348	334
3680	289	268	246	225	216	218	216	209	207	207
3690	200	198	195	189	181	169	157	147	137	130
3700	117	95	63	39	-13	-52	-91	-129	-177	-224
3710	-44	-262	-275	-287	-299	-311	-315	-312	-303	-289
3720	-266	-236	-209	-174	-151	-141	-136	-127	-127	-129

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-78	-40	-11	5	13	21	59	93	114	132
4280	156	160	155	153	153	152	146	139	138	146
4290	149	149	142	132	129	122	102	78	58	55
4300	57	57	56	49	38	29	16	4	0	-2
4310	-31	-30	-25	-17	-9	-1	6	4	0	-2
4320	7	-14	-15	-13	-9	-7	-29	-29	5	7
4330	7	0	-7	-23	-42	-37	-29	-29	-25	-25
4340	-24	-19	-8	-2	2	11	19	28	38	42
4350	44	45	46	39	27	19	7	12	21	36
4360	60	83	107	132	163	134	125	114	84	51
4370	14	-12	-35	-43	-38	-30	-29	-32	-35	-37
4380	-39	-50	-60	-73	-80	-86	-96	-98	-91	-91
4390	-84	-84	-82	-81	-77	-71	-61	-54	-46	-35
4400	-30	-25	-21	-19	-25	-34	-54	-64	-54	-54
4410	-41	-27	-11	1	12	24	31	37	38	40
4420	41	44	44	44	51	40	26	0	-2	-53
4430	-74	-80	-79	-74	-65	-52	-40	-28	-10	-28
4440	-32	-48	-59	-65	-68	-66	-65	-56	-37	-16
4450	12	54	90	108	132	149	170	182	193	198
4460	214	230	238	241	247	244	235	226	222	220
4470	212	199	182	166	143	119	96	83	75	69
4480	56	18	-8	-35	-47	-70	-89	-104	-113	-124
4490	-134	-140	-145	-155	-178	-191	-207	-224	-245	-261
4500	-260	-258	-252	-243	-229	-217	-200	-188	-180	-166
4510	-159	-160	-160	-159	-157	-151	-146	-140	-130	-120
4520	-101	-90	-74	-66	-64	-60	-68	-64	-61	-55
4530	-45	-32	-24	-17	-14	-10	-8	-11	-17	-27
4540	-37	-42	-47	-47	-44	-35	-19	14	51	87
4550	126	155	183	213	241	253	253	251	243	233
4560	216	199	192	197	206	213	219	229	231	228
4570	220	199	171	128	59	35	23	7	-3	0
4580	5	6	17	22	18	15	-4	-22	-48	-72
4590	-111	-146	-182	-212	-234	-255	-259	-250	-241	-235
4600	-293	-211	-192	-179	-175	-178	-182	-188	-198	-204
4610	-213	-216	-210	-210	-210	-209	-205	-205	-204	-191
4620	-180	-165	-142	-110	-94	-85	-52	-26	24	50
4630	71	94	115	126	130	134	145	156	160	166
4640	173	183	202	216	222	228	237	245	249	251
4650	256	263	270	281	293	294	283	273	254	230
4660	303	168	136	83	51	-1	-34	-56	-84	-84
4670	113	143	147	151	178	197	212	232	265	289
4680	-310	-319	-317	-306	-293	-279	-257	-238	-221	-201
4690	-185	-178	-178	-177	-174	-170	-165	-162	-154	-138
4700	-124	-105	-86	-63	-34	-4	27	57	79	98
4710	130	163	184	199	212	224	228	225	217	207
4720	196	189	186	186	189	194	201	208	213	219
4730	226	225	217	208	194	175	156	139	122	113
4740	104	94	81	68	50	21	-17	-57	-92	-119
4750	-138	-146	-147	-143	-134	-129	-120	-107	-94	-87
4760	-82	-82	-82	-80	-79	-78	-78	-78	-69	-54
4770	-41	-21	1	28	36	29	22	10	-17	-41
4780	-73	-100	-131	-160	-177	-181	-179	-176	-173	-165
4790	-147	-143	-143	-148	-151	-157	-159	-157	-153	-155
4800	-10	-4	4	12	30	53	78	105	133	163

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	105	100	91	78	62	41	13	-14	-39	-59
5360	-62	-60	-53	-53	-50	-47	-32	-60	-66	-68
5370	73	-76	-71	-67	-58	-44	-33	-15	2	14
5380	20	32	41	45	40	37	35	34	39	43
5390	42	45	50	54	57	61	61	64	67	69
5400	72	76	80	81	87	91	99	108	115	118
5410	121	118	116	115	111	108	101	99	98	95
5420	90	87	85	80	75	70	63	51	33	23
5430	10	-6	-24	-47	-61	-84	-106	-121	-124	-129
5440	-126	-124	-124	-122	-119	-114	-106	-99	-91	-79
5450	-75	-72	-71	-77	-81	-83	-91	-99	-87	-87
5460	-85	-84	-84	-87	-93	-97	-99	-86	-85	-72
5470	-59	-45	-30	-13	-7	-3	0	2	7	15
5480	24	34	46	64	79	84	81	70	56	46
5490	43	37	31	30	30	32	32	32	30	29
5500	27	31	41	49	62	79	95	107	118	127
5510	126	120	108	89	69	45	19	-2	-10	-17
5520	-30	-33	-22	-15	-14	-17	-19	-23	-29	-33
5530	-37	-37	-34	-25	-20	-16	-11	-7	-17	-24
5540	-39	-38	-70	-84	-95	-102	-101	-98	-88	-76
5550	-72	-68	-74	-75	-77	-74	-62	-37	-26	-16
5560	-8	-3	-3	-8	-12	-26	-36	-50	-55	-62
5580	-61	-56	-51	-44	-35	-20	-6	0	10	20
5590	167	176	180	181	179	175	166	154	144	132
5600	125	121	120	117	111	103	98	95	90	82
5610	69	58	44	29	17	1	-8	-16	-24	-32
5620	-40	-51	-57	-67	-77	-93	-103	-111	-118	-124
5630	-130	-131	-135	-137	-136	-135	-131	-128	-109	-103
5640	-98	-87	-68	-46	-29	-23	-16	-22	-38	-42
5650	-49	-53	-56	-49	-33	-18	-11	-1	7	14
5660	29	38	49	54	57	57	54	33	17	-9
5670	-21	-38	-51	-57	-56	-53	-48	-35	-17	-9
5680	-3	2	10	20	41	54	65	88	119	146
5690	167	181	194	200	204	202	188	171	150	125
5700	102	84	70	54	43	32	21	18	10	3
5710	0	-4	-12	-13	-8	-3	0	8	10	5
5720	-4	-13	-24	-36	-47	-67	-83	-103	-112	-113
5730	-112	-109	-106	-102	-102	-101	-95	-83	-57	-37
5740	-47	-38	-20	-6	0	2	2	0	-2	-9
5750	-18	-27	-32	-36	-42	-45	-46	-44	-35	-17
5760	0	24	44	56	67	72	76	73	81	83
5770	87	92	94	91	89	85	79	73	66	58
5780	48	39	28	22	19	18	25	35	45	47
5790	47	45	44	39	31	26	19	13	9	7
5800	-8	-22	-36	-59	-72	-87	-97	-104	-105	-98
5810	-92	-74	-63	-39	-24	0	5	14	10	0
5820	-5	-11	-14	-12	-10	10	16	22	28	29
5830	27	26	26	24	23	23	21	20	20	19
5840	19	18	13	7	0	4	6	11	17	22
5850	28	38	44	47	47	47	44	40	31	21
5860	14	3	-9	-19	-27	-29	-30	-26	-24	-20
5870	-20	-21	-21	-22	-20	-14	-13	-13	-8	1
5880	16	28	34	47	60	72	74	70	61	54

TO BE CONTINUED

CONTINUED (S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5890	45	36	28	33	37	40	37	34	28	22
5900	15	2	-9	-22	-38	-59	-78	-86	-93	-96
5910	-95	-92	-85	-73	-62	-54	-44	-38	-32	-15
5920	-9	-1	1	7	11	14	17	13	10	15
5930	21	23	27	32	33	37	34	27	22	22
5940	17	15	12	18	9	11	13	15	15	15
5950	18	18	14	14	0	-7	-16	-22	-22	-23
5960	-16	-1	20	35	40	47	57	67	82	86
5970	86	86	61	67	46	24	5	2	9	22
5980	38	47	51	60	52	27	18	8	-2	-13
5990	-18	-18	-22	-25	-27	-26	-24	-20	-16	-17
6000	-21	-23	-24	-24	-23	-24	-24	-23	-22	-19
6010	-17	-21	-25	-29	-35	-37	-37	-37	-31	-21
6020	-14	-12	-10	-12	-11	-10	-14	-17	-20	-18
6030	-17	-15	-2	11	17	21	12	5	-4	-9
6040	-15	-20	-22	-26	-30	-33	-29	-26	-18	-9
6050	-5	-10	-15	-18	-24	-29	-26	-24	-17	-7
6060	-1	2	4	9	13	19	17	8	4	4
6070	6	11	14	20	26	35	42	52	63	68
6080	71	77	83	85	84	79	71	60	43	24
6090	4	-2	-5	-7	-1	8	19	29	34	26
6100	20	18	14	18	25	34	41	46	47	45
6110	33	15	-3	-33	-44	-64	-87	-104	-113	-122
6120	-125	-128	-128	-122	-114	-108	-94	-80	-61	-48
6130	-39	-17	-6	2	9	20	26	27	31	34
6140	31	34	42	53	59	66	70	74	80	90
6150	91	89	87	84	80	69	62	56	42	25
6160	8	-6	-20	-33	-27	-31	-32	-32	-40	-48
6170	-52	-61	-73	-79	-80	-77	-66	-37	-10	12
6180	38	58	62	69	74	76	79	72	58	50
6190	39	27	9	0	-3	-7	-12	-15	-16	-17
6200	-10	2	9	11	6	1	-2	4	7	11
6210	14	13	7	1	-8	-16	-33	-53	-67	-70
6220	0	12	34	48	54	56	57	58	50	45
6230	0	28	17	15	15	13	12	11	10	10
6240	40	28	17	15	15	13	12	11	10	10
6250	7	5	4	4	4	2	-1	-7	-13	-14
6260	-10	-6	0	7	12	15	21	17	7	0
6270	-12	-18	-20	-18	-6	10	16	24	33	35
6280	35	35	34	32	23	9	-8	-29	-46	-60
6290	-72	-75	-79	-68	-60	-50	-38	-28	-24	-18
6300	-13	-6	-8	2	13	27	33	35	34	29
6310	22	18	19	25	35	44	51	63	68	71
6320	75	79	87	95	99	98	96	94	89	84
6330	81	72	63	55	41	16	0	-14	-29	-34
6340	-40	-33	-26	-24	-20	-14	-13	-14	-19	-20
6350	-21	-32	-49	-60	-62	-67	-73	-74	-74	-69
6360	-66	-63	-61	-55	-45	-40	-31	-27	-23	-19
6370	-16	-5	-1	4	4	6	6	6	6	6
6380	6	6	4	-2	-10	-16	-19	-32	-42	-53
6390	-60	-67	-70	-67	-61	-57	-54	-50	-44	-38
6400	-30	-21	-9	4	20	32	39	46	52	51
6410	48	47	48	47	39	34	31	33	37	46
6420	62	72	77	86	77	66	61	52	36	32

TO BE CONTINUED

CONTINUED (S-1201 NORTH)										CONTINUED (S-1201 NORTH)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	25	17	13	12	7	2	-2	-17	-32	-39	6970	-102	-100	-79	-67	-50	-35	-29	-28	-27	-27
6440	-41	-43	-46	-41	-37	-31	-27	-23	-22	-15	6980	-28	-117	-7	-5	-1	12	37	54	69	81
6450	-19	-23	-29	-32	-33	-36	-43	-40	-35	-31	6990	93	102	103	101	97	83	73	68	56	51
6460	-20	-11	-5	-5	-10	-13	-14	-13	-9	-6	7000	45	39	30	24	19	9	3	-4	-9	-19
6470	1	5	13	22	26	21	15	9	-1	-13	7010	-27	-35	-41	-46	-52	-57	-60	-67	-71	-72
6480	-15	-22	-29	-34	-36	-34	-28	-23	-14	-12	7020	-74	-74	-74	-78	-73	-69	-66	-61	-55	-55
6490	-4	2	12	17	22	24	24	23	19	10	7030	-56	-49	-48	-44	-41	-29	-22	-17	-9	1
6500	3	-3	-6	-6	-3	1	8	22	37	53	7040	17	27	37	44	49	51	53	53	53	53
6510	67	82	96	109	119	122	122	122	121	117	7050	53	53	53	53	53	46	53	53	29	7
6520	115	114	113	109	103	98	90	75	48	17	7060	-21	-39	-45	-46	-47	-45	-41	-36	-31	-19
6530	-6	-22	-32	-40	-43	-46	-44	-40	-27	-20	7070	-7	-3	-2	0	2	3	3	4	9	15
6540	-15	-10	-1	6	14	17	10	4	3	-3	7080	22	28	30	47	54	55	50	42	39	34
6550	-3	-6	-7	-7	-6	-8	-12	-12	-16	-22	7090	27	21	21	17	15	9	3	-6	-25	-51
6560	-28	-25	-24	-21	-14	-5	-1	1	2	2	7100	-66	-78	-89	-89	-89	-89	-70	-65	-50	-35
6570	0	0	2	0	0	1	2	2	2	2	7110	-28	-27	-26	-30	-36	-41	-49	-57	-64	-64
6580	2	-5	-6	-10	-13	-15	-21	-24	-25	-25	7120	-64	-64	-58	-47	-43	-38	-30	-22	-8	-1
6590	-24	-21	-15	-6	-6	-14	-20	-24	-27	-24	7130	10	25	37	48	62	76	84	103	113	116
6600	-23	-23	-19	-15	-11	-10	-4	-1	4	5	7140	112	108	106	103	98	88	79	74	67	67
6610	4	5	4	4	7	10	14	23	33	41	7150	62	55	46	30	11	-1	-11	-22	-31	-39
6620	50	55	58	55	50	36	26	13	-8	-26	7160	-46	-55	-57	-56	-56	-68	-70	-77	-87	-94
6630	-17	-49	-53	-52	-41	-30	-23	-19	-27	-33	7170	-97	-96	-90	-85	-73	-61	-55	-49	-46	-50
6640	-39	-46	-49	-49	-41	-27	-12	-1	6	20	7180	-54	-59	-59	-57	-57	-51	-42	-38	-37	-33
6650	38	66	79	81	85	86	85	84	82	75	7190	-36	-43	-43	-46	-49	-52	-56	-56	-51	-47
6660	68	84	82	80	51	40	30	19	15	3	7200	-47	-41	-38	-30	-25	-23	-18	-15	-13	-10
6670	-12	-20	-25	-26	-25	-26	-26	-29	-35	-41	7210	-9	-5	-2	12	24	34	50	66	76	77
6680	-47	-64	-64	-73	-79	-81	-83	-83	-83	-82	7220	78	81	84	86	87	89	97	112	121	126
6690	-82	-82	-82	-83	-82	-82	-82	-78	-61	-51	7230	130	133	133	136	139	140	138	132	124	124
6700	-39	-30	-20	-7	0	0	0	0	0	0	7240	109	98	94	81	41	25	15	4	-16	-27
6710	-6	-5	-3	-1	4	14	22	26	31	41	7250	-31	-41	-48	-52	-56	-67	-76	-92	-100	-118
6720	42	42	41	41	40	38	35	30	24	25	7260	-136	-138	-138	-138	-138	-129	-119	-114	-99	-90
6730	27	28	28	28	29	29	29	29	29	21	7270	-81	-75	-69	-69	-69	-70	-77	-80	-80	-77
6740	1	-3	-16	-29	-37	-37	-37	-37	-33	-22	7280	-76	-74	-70	-66	-46	-33	-26	-24	-24	-24
6750	-12	-6	8	18	28	32	36	36	35	35	7290	-21	-21	-20	-20	-19	-19	-19	-15	-9	-2
6760	33	30	24	25	22	19	19	17	12	1	7300	0	1	6	10	9	-1	-17	-28	-33	-46
6770	-9	-20	-28	-36	-40	-47	-47	-46	-40	-30	7310	-53	-53	-53	-50	-33	-22	-5	14	37	50
6780	-19	-11	-2	5	14	19	27	32	28	25	7320	55	59	59	62	63	64	65	65	69	71
6790	25	22	17	14	14	14	14	18	22	23	7330	70	70	67	67	64	64	64	63	63	64
6800	23	20	18	17	14	14	13	13	9	4	7340	65	64	65	64	66	68	67	67	67	59
6810	1	-3	-6	-6	-6	-7	-10	-11	-13	-13	7350	50	39	27	17	15	8	4	0	-4	-7
6820	-13	-10	-8	-7	1	9	12	13	17	19	7360	-10	-10	-13	-16	-21	-25	-29	-32	-39	-48
6830	22	26	31	39	45	42	32	17	5	-3	7370	-52	-52	-56	-60	-57	-55	-48	-46	-45	-42
6840	-10	-19	-28	-33	-33	-40	-47	-55	-66	-79	7380	-57	-53	-53	-50	-28	-16	0	12	26	32
6850	-87	-88	-88	-88	-79	-78	-67	-58	-45	-29	7390	51	66	74	78	79	82	85	86	84	92
6860	-21	-12	-7	-14	-25	-36	-42	-47	-50	-57	7400	88	82	79	75	66	59	56	54	53	50
6870	-57	-56	-48	-44	-41	-41	-34	-29	-19	-12	7410	41	35	28	26	25	16	6	0	-13	-30
6880	-2	2	4	8	13	26	29	32	33	35	7420	-47	-62	-71	-79	-87	-92	-99	-100	-102	-103
6890	33	28	18	14	10	2	-1	-4	-7	-12	7430	-103	-103	-100	-92	-77	-71	-54	-38	-30	-21
6900	-15	-16	-16	-17	-17	-17	-14	-8	-2	3	7440	-18	-15	-12	-13	-11	-8	-6	-1	0	0
6910	14	19	23	23	23	23	22	21	27	38	7450	-4	-5	-7	-8	-2	0	7	8	8	8
6920	45	50	53	56	56	56	54	50	47	42	7460	-1	-3	-7	-10	-11	-11	-5	-5	-10	-13
6930	40	37	33	33	35	38	39	39	37	32	7470	-20	-23	-27	-29	-30	-30	-25	-21	-15	-8
6940	27	22	17	15	17	19	20	25	32	38	7480	-6	-7	-5	-4	-4	-3	-2	-2	-1	-1
6950	42	40	26	6	-21	-32	-49	-61	-84	-91	7490	-2	-2	-3	1	7	10	3	0	-4	-5
6960	-92	-97	-107	-108	-107	-107	-107	-107	-106	-104	7500	-1	0	1	7	11	17	21	29	35	38

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	40	43	45	51	59	63	66	70	63	52
7520	40	23	0	-18	-29	-43	-57	-63	-64	-65
7530	65	-65	-65	-71	-69	-71	-71	-73	-79	-80
7540	-81	-78	-78	-63	-53	-44	-44	-40	-35	-21
7550	-11	-2	5	18	36	62	71	77	67	90
7560	93	96	100	101	101	102	103	100	96	76
7570	70	70	61	51	37	26	25	22	13	5
7580	-2	-3	-8	-13	-15	-18	-19	-19	-23	-26
7590	-27	-27	-27	-29	-30	-30	-30	-29	-29	-30
7600	-31	-37	-44	-47	-49	-53	-53	-54	-54	-54
7610	-49	-42	-40	-31	-21	-14	-3	6	18	28
7620	32	34	38	44	47	53	55	55	53	53
7630	50	44	29	23	18	10	5	0	-12	-17
7640	-17	-21	-26	-30	-30	-25	-22	-13	-8	5
7650	-2	0	0	2	7	18	36	47	56	65
7660	69	70	65	61	57	56	53	50	45	43
7670	43	42	39	35	22	2	-14	-29	-37	-45
7680	-60	-70	-75	-83	-90	-90	-89	-85	-74	-72
7690	-67	-62	-56	-54	-52	-46	-42	-38	-31	-24
7700	-17	-9	-11	-14	-19	-25	-31	-35	-38	-40
7710	-41	-38	-35	-24	-11	-1	4	4	10	14
7720	17	18	18	17	15	15	12	12	18	26
7730	32	32	28	25	22	17	5	1	-4	-16
7740	-25	-33	-44	-52	-62	-68	-69	-71	-72	-72
7750	-71	-71	-71	-71	-70	-68	-63	-59	-56	-55
7760	-45	-27	-13	5	22	38	46	59	66	74
7770	76	73	72	71	68	64	61	55	46	44
7780	37	31	25	19	10	5	5	5	5	5
7790	5	13	24	33	41	51	63	71	76	82
7800	83	80	76	73	72	65	56	51	46	38
7810	29	21	15	12	7	4	0	-8	-12	-12
7820	-12	-15	-19	-29	-36	-44	-54	-68	-80	-92
7830	-99	-105	-109	-117	-117	-117	-117	-114	-111	-107
7840	-96	-93	-83	-79	-73	-61	-50	-35	-26	-17
7850	-6	-2	-1	1	1	4	7	9	9	14
7860	19	25	24	25	28	34	39	44	54	60
7870	75	96	104	110	114	119	121	121	113	98
7880	85	69	40	12	0	-12	-14	-17	-15	-12
7890	-10	-9	-10	-10	-13	-15	-20	-32	-41	-51
7900	-62	-66	-69	-80	-78	-78	-76	-75	-69	-65
7910	-65	-61	-51	-43	-32	-29	-25	-20	-19	-19
7920	-19	-19	-19	-19	-19	-19	-19	-19	-19	-19
7930	13	16	16	18	29	43	53	58	60	61
7940	66	69	70	70	70	65	55	45	33	22
7950	12	12	13	13	18	24	29	31	36	39
7960	40	43	44	46	48	50	50	50	50	48
7970	47	44	38	33	28	23	14	10	3	-1
7980	-6	-11	-18	-20	-26	-29	-28	-27	-24	-20
7990	-23	-20	-17	-15	-16	-20	-25	-31	-36	-40
8000	-42	-42	-42	-32	-16	-6	0	3	4	6
8010	6	6	8	10	13	10	10	10	7	0
8020	-6	-13	-13	-13	-6	-2	0	8	11	19
8030	25	30	31	30	28	24	21	15	10	4
8040	5	5	5	4	2	0	-6	-7	-12	-15

TO BE CONTINUED

CONTINUED (S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8050	-20	-25	-27	-28	-30	-30	-30	-30	-26	-22
8060	-17	-10	-4	1	5	7	8	18	21	25
8070	32	39	43	47	48	50	54	59	61	61
8080	57	52	46	45	44	43	39	35	31	31
8090	31	28	22	13	0	-6	-18	-28	-35	-42
8100	-45	-49	-47	-43	-40	-38	-33	-32	-25	-20
8110	-18	-14	-9	-3	-3	-4	-5	-7	-9	-10
8120	-7	-5	0	4	8	17	19	24	27	28
8130	29	29	29	38	44	47	51	54	58	55
8140	50	40	30	22	11	0	-14	-18	-26	-33
8150	-38	-37	-35	-40	-41	-41	-37	-32	-28	-22
8160	-18	-17	-10	-5	1	6	13	21	30	35
8170	47	51	50	50	50	44	37	25	16	12
8180	10	9	8	10	12	14	18	22	12	8
8190	7	3	0	-6	-13	-18	-25	-30	-35	-42
8200	-50	-60	-61	-66	-64	-62	-58	-55	-52	-45
8210	-62	-38	-29	-24	-14	-9	-5	1	8	19
8220	27	34	40	42	44	45	43	36	31	25
8230	21	18	11	5	2	0	-2	-4	-8	-14
8240	-16	-16	-17	-19	-31	-39	-46	-49	-53	-60
8250	-67	-68	-68	-68	-67	-62	-58	-51	-44	-29
8260	-21	-14	-6	8	14	22	32	47	57	63
8270	65	65	62	60	56	51	44	36	31	29
8280	24	23	18	11	9	6	6	8	7	9
8290	12	13	10	10	9	1	-2	-13	-16	-19
8300	-30	-36	-42	-46	-46	-42	-41	-40	-41	-39
8310	-36	-30	-23	-14	-12	-14	-12	-12	-12	-12
8320	-12	-12	-10	-9	-7	-6	-2	0	1	0
8330	0	0	-7	-11	-12	-12	-7	-5	0	0
8340	9	13	17	21	23	27	26	25	24	18
8350	14	5	1	-2	-5	-3	-2	1	4	6
8360	10	13	17	23	27	31	31	31	31	35
8370	44	45	45	45	45	45	45	40	35	22
8380	11	2	-7	-13	-20	-26	-28	-34	-37	-42
8390	-48	-49	-55	-62	-65	-68	-69	-70	-71	-73
8400	-71	-69	-67	-66	-66	-66	-66	-66	-66	-66
8410	-13	-9	-6	-6	-3	2	5	10	14	19
8420	24	31	39	45	46	47	43	33	28	26
8430	24	19	17	20	24	28	31	31	28	25
8440	21	18	16	15	15	15	13	11	11	6
8450	4	2	1	-1	-3	-5	-6	-5	-7	-10
8460	-12	-15	-15	-17	-19	-26	-38	-48	-58	-68
8470	-58	-56	-50	-43	-36	-21	-15	-7	-2	0
8480	2	1	3	6	8	14	15	19	17	20
8490	18	18	15	12	9	8	7	9	14	15
8500	21	24	23	21	18	16	15	16	16	17
8510	17	16	12	11	8	5	5	5	3	1
8520	-1	-4	-2	4	12	21	30	36	44	47
8530	49	52	53	53	52	50	50	50	48	39
8540	36	32	27	24	20	9	-2	-10	-14	-15
8550	-13	-10	-7	-8	-8	-10	-10	-11	-11	-13
8560	-14	-20	-32	-44	-45	-52	-61	-68	-79	-85
8570	-66	-66	-66	-66	-66	-66	-66	-66	-66	-66
8580	-86	-86	-84	-68	-63	-54	-49	-45	-45	-45

TO BE CONTINUED

CONTINUED (S-1201 NORTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	-40	-37	-34	-25	-15	-4	0	4	6	13
8600	14	12	15	18	18	21	25	37	42	43
8610	45	47	48	47	47	48	47	47	47	47
8620	47	47	45	45	43	37	32	31	31	29
8630	29	28	26	30	29	26	25	23	22	20
8640	7	-5	-15	-25	-28	-34	-38	-47	-49	-50
8650	-64	-82	-90	-96	-96	-97	-87	-83	-78	-73
8660	-68	-65	-64	-64	-60	-55	-55	-51	-49	-45
8670	-39	-35	-26	-26	-17	-8	-3	0	7	15
8680	24	28	39	49	59	73	81	93	96	94
8690	92	90	88	84	74	68	63	49	43	33
8700	25	13	7	2	4	5	7	13	18	27
8710	35	41	46	49	51	48	44	35	29	18
8720	4	-9	-18	-21	-21	-43	-54	-59	-60	-62
8730	-62	-60	-55	-46	-39	-35	-33	-27	-23	-18
8740	-14	-14	-14	-11	-11	-8	-2	3	18	24
8750	25	33	45	57	65	67	69	71	71	71
8760	70	69	69	65	61	56	51	48	47	38
8770	24	11	0	-3	-3	-10	-13	-14	-15	-20
8780	-18	-15	-13	-9	-5	-5	-5	-5	-10	-12
8790	-14	-17	-24	-34	-36	-44	-50	-54	-55	-55
8800	-52	-48	-44	-41	-39	-35	-35	-35	-35	-35
8810	-35	-35	-35	-34	-31	-28	-31	-31	-34	-37
8820	-41	-44	-45	-48	-49	-49	-48	-48	-45	-41
8830	-36	-28	-24	-20	-16	-14	-11	-2	1	4
8840	7	11	19	27	37	53	62	71	75	76
8850	74	73	68	66	61	57	54	52	46	43
8860	35	28	24	25	19	18	12	7	5	0
8870	-1	-1	-4	-7	-13	-17	-25	-36	-41	-43
8880	-45	-46	-48	-48	-48	-43	-41	-39	-38	-38
8890	-38	-39	-42	-39	-37	-35	-34	-31	-28	-28

END

RECORD = S-1201 COMPONENT = DOWN STATION = SHIOGAMA-KOJYO-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 8900
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC.
 CONNECTION POINT IN DATA NUMBER= 4451. 8900.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
490	3	-84	-157	-182	-176	-124	-51	-31	-12	12
500	48	86	107	116	110	68	-25	-188	-335	-364
510	-332	-269	-220	-248	-277	-220	-25	181	230	178
520	-174	-260	-217	-22	141	196	204	184	152	153
530	180	443	545	556	509	101	-125	-162	-146	-86
540	-18	2	-4	-41	-106	149	-168	-155	-102	-25
550	0	-3	-54	-134	-176	-184	-100	94	152	164
560	145	99	93	127	143	119	-84	-109	-116	-29
570	44	60	-47	-327	-370	-386	-281	-65	17	85
580	131	188	232	275	289	253	172	117	137	285
590	436	496	462	371	218	177	166	122	47	-63
600	-127	-164	-181	-163	-137	-132	-131	-137	-142	-166
610	-194	-225	-265	-282	-248	-181	-129	-131	-149	-137
620	-127	-100	-53	-37	-20	5	104	236	449	537
630	573	553	484	347	317	323	313	270	7	-59
640	-89	-117	-145	-197	-245	-260	-261	-263	-289	-387
650	-455	-474	-314	-81	66	203	233	218	216	227
660	227	201	78	-13	-83	-116	-110	-84	237	84
670	319	341	310	154	7	-37	-80	-90	-83	-35
680	62	139	181	185	119	-23	-194	-331	-385	-400
690	-402	-388	-342	-260	-156	-70	0	53	105	128
700	127	64	-41	-60	20	187	336	412	417	407
710	402	434	460	428	-142	-243	-314	-306	-218	-52
720	22	65	48	-29	-129	-361	-371	-298	-175	-62
730	30	151	189	167	125	95	121	239	251	57
740	-112	-255	-233	-137	179	231	237	179	96	47
750	22	8	-21	-88	-192	-183	-92	100	155	120
760	-180	-360	-423	-406	-260	12	235	350	382	298
770	228	234	258	263	204	123	100	112	121	125
780	95	-50	-131	-141	-127	-81	-85	-103	-130	-170
790	-171	-158	-112	-77	-48	-34	-46	-125	-205	-213
800	-185	-79	-19	6	9	16	29	43	101	231
810	277	289	274	67	-216	-390	-424	-418	-325	-162
820	38	169	213	257	277	267	164	131	127	185
830	262	308	301	278	157	7	-107	-237	-256	-265
840	-267	-287	-315	-339	-337	-298	-222	-208	-175	-54
850	29	71	73	70	80	256	438	506	481	309
860	-14	-120	-118	-54	87	143	165	163	118	-151
870	-373	-502	-533	-535	-471	-404	-359	-338	-232	51
880	268	380	390	340	275	242	218	132	-148	-286
890	-323	-276	-167	59	173	205	201	189	179	186
900	235	292	301	283	253	196	121	72	13	68
910	-106	-133	-150	-147	-124	16	63	74	68	55
920	32	32	77	170	232	262	277	270	243	187
930	134	100	73	39	-4	-16	0	27	50	22
940	-149	-193	-178	-77	13	130	148	79	-32	-48
950	-43	73	204	223	183	-9	-56	-39	96	163
960	152	77	-6	-23	-38	-109	-254	-312	-287	-181
970	150	286	276	156	156	-88	-88	-88	-88	-88
980	-11	-28	-86	-289	-344	-409	-494	-537	-549	-562
990	-592	-677	-943	-973	-1000	-880	-719	-558	-426	-265
1000	-48	224	424	565	641	655	673	759	1024	1346
1010	1533	1631	1661	1478	854	349	-32	-187	-272	-458
1020	-646	-811	-854	-843	-679	-514	-441	-402	-372	-416

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-604	-683	-690	-625	-464	-268	-24	206	375	429
1040	426	335	174	-214	-322	-339	-304	-203	-28	171
1050	370	536	704	782	768	595	276	83	-52	-63
1060	-19	98	189	233	257	276	311	439	512	535
1070	521	466	402	395	393	395	404	482	862	853
1080	970	1066	1091	1045	908	469	29	-342	-430	-438
1090	-426	-415	-421	-434	-439	-424	-408	-402	-393	-363
1100	-314	-291	-398	-869	-1091	-1214	-1277	-1284	-1277	-1227
1110	-1055	-883	-741	-650	-405	-254	-38	170	402	561
1120	641	671	661	621	548	460	379	345	299	200
1130	-109	-241	-379	-235	-84	122	179	154	-53	-183
1140	-240	-387	-514	-828	-970	-1041	-1021	-891	-739	-589
1150	-475	-371	-282	-225	-203	-202	-209	-207	-179	1
1160	41	-6	-108	-324	-356	-304	175	-32	0	-54
1170	-358	-439	-444	-345	-170	162	463	763	1010	1173
1180	1355	1380	1337	1169	904	640	375	343	426	827
1190	1113	1336	1494	1299	926	684	543	401	296	133
1200	-7	-115	-194	-210	-195	-162	-60	-28	3	41
1210	127	176	157	-58	-374	-504	-736	-856	-845	-675
1220	-505	-342	-188	-61	-43	-52	-125	-261	-338	-400
1230	-453	-489	-486	-381	-245	-128	-28	22	32	29
1240	12	-47	-204	-264	-295	-289	-214	-100	-21	-19
1250	-91	-162	-170	-142	-67	101	156	172	158	137
1260	131	134	135	135	129	92	-52	-258	-222	-1
1270	177	241	260	226	-10	-271	-393	-568	-679	-675
1280	-595	-389	-284	-226	-168	354	430	432	423	431
1290	572	849	966	1067	1121	1097	927	634	542	220
1300	184	191	221	274	246	36	-305	-629	-796	-838
1310	-898	-906	-895	-846	-648	-449	-263	-109	-22	9
1320	19	31	74	251	450	583	673	670	607	432
1330	359	267	167	80	-6	-110	-257	-370	-456	-477
1340	-460	-351	-199	-89	11	54	56	4	-106	-219
1350	-240	-272	-284	-236	-79	162	336	365	323	71
1360	-18	-20	12	61	96	127	136	45	-264	-387
1370	-559	-566	-539	-488	-468	-523	-578	-657	-719	-742
1380	-706	-629	-521	-437	-328	-184	-22	112	156	135
1390	-24	-106	-114	-40	44	77	95	111	139	272
1400	433	584	697	799	816	759	652	513	398	313
1410	197	93	57	43	42	98	206	317	474	527
1420	512	440	353	157	13	-27	-16	54	36	123
1430	-388	-542	-705	-736	-766	-705	-606	-405	-212	-68
1440	-28	-61	-386	-694	-860	-863	-852	-774	-616	-402
1450	-191	1	106	111	58	0	7	72	122	214
1460	350	542	699	794	831	817	766	695	627	598
1470	574	563	572	579	567	545	344	408	-83	-245
1480	-468	-734	-798	-802	-787	-665	-509	-369	-227	-35
1490	118	226	257	213	6	-47	-34	191	485	519
1500	504	210	16	-52	-122	-111	-74	-77	-131	-260
1510	-362	-407	-438	-432	-406	-378	-355	-347	-356	-373
1520	-371	-238	64	295	552	614	648	641	556	361
1530	134	41	10	-63	-160	-206	-191	-120	126	336
1540	551	716	741	687	567	326	-44	-280	-381	-280
1550	-389	-336	-218	-39	0	-53	-275	-412	-574	-629
1560	-629	-600	-498	-399	-301	-206	-166	-125	-77	-13

TO BE CONTINUED

CONTINUED (S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1570	90	143	150	103	35	-97	-110	-113	-79	-33
1580	-53	-104	-141	-162	-173	-182	-191	-214	-238	-229
1590	-162	-51	22	31	-4	-99	-168	-146	139	346
1600	553	741	830	843	832	821	815	802	677	482
1610	256	165	159	231	348	384	362	309	264	179
1620	-136	-444	-543	-563	-558	-505	-452	-417	-408	-436
1630	-531	-636	-620	-536	-307	-78	-264	-319	-323	23
1640	211	192	168	80	-78	-264	-134	-166	-188	-188
1650	152	201	156	26	-99	-134	-166	-188	-196	-188
1660	-152	-40	72	224	300	291	161	-45	-191	-244
1670	-243	-207	-108	40	176	246	254	216	15	-246
1680	-393	-440	-332	-148	144	330	507	536	505	413
1690	245	43	219	-365	-386	-393	-384	-372	-355	-335
1700	-321	-320	-328	-323	-316	-316	-346	-446	-520	-526
1710	-466	-318	-115	-2	216	340	444	509	514	490
1720	419	333	318	421	530	519	434	205	9	-108
1730	-42	87	223	352	531	561	578	563	503	352
1740	197	45	-20	-39	-50	-73	-156	-222	-240	-196
1750	-18	89	157	206	193	52	-490	-611	-680	-686
1760	-644	-561	-433	-301	-169	-65	-44	-129	-459	-746
1770	-774	-763	-638	-453	-282	-136	-31	6	13	-2
1780	-28	-39	-15	66	185	284	315	305	190	14
1790	-130	-222	-256	-344	-446	-490	-509	-510	-441	-299
1800	-98	18	95	130	216	332	390	434	440	423
1810	408	403	398	412	427	434	406	312	151	8
1820	-33	-26	13	219	372	480	605	708	775	773
1830	722	532	79	-74	-35	67	313	454	537	579
1840	432	76	-260	-438	-485	-592	-656	-685	-671	-671
1850	-608	-454	-310	-186	-117	-54	-34	-25	-33	-27
1860	-19	-34	-53	-70	-79	-64	-45	-34	-37	-42
1870	-46	-46	-40	69	242	469	539	539	391	62
1880	-184	-211	-178	-3	142	192	199	190	182	173
1890	168	143	54	-164	-329	-376	-415	-425	-411	-388
1900	-357	-325	-282	-187	-53	16	28	-28	-253	-330
1910	-348	-287	-138	40	114	139	118	57	23	19
1920	12	-9	-72	-136	-141	-114	35	182	341	558
1930	802	1062	1175	1201	1196	1027	858	711	579	447
1940	313	229	149	102	69	59	19	12	36	117
1950	166	122	-37	-131	-130	-130	-131	-162	-257	-309
1960	-317	-311	-323	-387	-585	-701	-730	-735	-721	-709
1970	-704	-695	-660	-586	-396	-206	-20	140	244	297
1980	313	321	328	324	271	141	-41	-192	-233	-242
1990	-202	-16	108	182	200	161	25	-101	-159	-157
2000	-133	70	249	357	436	463	455	374	241	92
2010	-70	-174	-182	-169	-193	-198	-211	-247	-308	-340
2020	-355	-326	-282	-238	-133	-106	-92	-100	-111	-137
2030	-143	31	156	267	357	371	346	197	119	100
2040	143	276	408	436	415	330	142	78	43	18
2050	1	-61	-294	-545	-658	-725	-669	-512	-400	-325
2060	-306	-300	-298	-288	-270	-260	-245	-224	-195	-126
2070	-54	5	48	66	44	-48	-92	-102	-110	-178
2080	-269	-292	-257	-156	78	203	302	397	423	445
2090	444	389	240	85	-9	-59	-53	-32	2	97
2100	202	323	378	405	417	395	291	60	-47	-162

TO BE CONTINUED

CONTINUED (S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-207	-226	-222	-157	41	192	326	357	328	81
2120	40	-76	-53	41	157	216	242	252	239	227
2130	222	207	185	157	183	249	313	368	420	262
2140	437	422	326	136	-58	-205	-325	-392	-424	-424
2150	417	413	412	-514	-549	-555	-539	-432	-340	-340
2160	305	305	305	304	-287	-241	-168	-139	-133	-144
2170	161	156	-82	162	290	357	372	347	278	264
2180	271	254	174	8	-41	-53	-62	-27	-11	-20
2190	-63	-93	-111	-92	-67	-49	-43	-38	-26	-15
2200	-2	22	47	52	52	52	52	425	225	116
2210	484	442	450	391	306	264	243	235	218	188
2220	154	119	71	18	-9	-19	-4	88	161	192
2230	196	141	38	-63	-95	-108	-23	121	197	219
2240	219	209	193	172	155	114	-31	-131	-179	-208
2250	-230	-245	-256	-234	-163	-87	-70	-101	-209	-209
2260	-263	-273	-244	-146	45	105	120	104	65	23
2270	2	-17	-67	-206	-378	-319	-341	-344	-327	-311
2280	-301	-299	-297	-283	-234	-64	97	230	348	364
2290	272	76	16	0	19	98	163	176	159	86
2300	36	13	2	-5	-1	2	-6	-20	-45	-66
2310	-71	-62	-53	-46	-25	65	118	140	31	-210
2320	-247	-210	-49	135	218	319	338	340	345	349
2330	359	366	371	363	343	293	270	264	274	263
2340	183	0	-178	-200	-259	-284	-297	-305	-290	-260
2350	-212	-176	-167	-178	-204	-229	-251	-244	-244	-161
2360	-47	6	-81	-48	-75	-139	-163	-169	-146	-120
2370	-80	-62	-60	-48	75	183	349	432	450	420
2380	337	300	271	211	99	-30	-143	-259	-293	-377
2390	-445	-465	-469	-464	-454	-440	-430	-422	-411	-382
2400	-334	-276	-190	-43	92	228	356	437	456	454
2410	415	369	325	306	298	274	220	151	85	17
2420	-81	-106	-123	-117	-104	-62	-35	-23	-19	-23
2430	-35	-29	-19	-4	21	79	139	207	276	357
2440	386	402	408	402	391	384	383	368	325	282
2450	214	140	63	-19	-77	-89	-97	-147	-195	-418
2460	-580	-610	-584	-443	-348	-325	-342	-379	-638	-644
2470	-612	-513	-627	-357	-391	-205	-126	27	139	198
2480	221	228	221	209	202	203	241	273	288	214
2490	123	91	104	170	223	241	243	216	148	85
2500	71	84	132	227	261	277	280	232	156	86
2510	-14	-73	-90	-91	-53	15	62	70	66	65
2520	69	61	10	-113	-297	-420	-445	-415	-328	-222
2530	-208	-204	-204	-204	-204	-199	-190	-176	-153	-94
2540	-10	91	148	173	183	167	115	23	-4	0
2550	18	58	96	114	117	117	117	119	123	119
2560	96	33	-50	-102	-116	-110	-101	-87	-69	-41
2570	31	158	241	279	295	268	70	-93	-149	-214
2580	-213	-158	-35	3	31	47	44	37	33	31
2590	35	30	19	-12	-91	-173	-190	-206	-208	-197
2600	-179	-161	-145	-140	-152	-231	-313	-365	-384	-379
2610	-319	-309	-150	-129	-128	-109	-76	-36	22	66
2620	96	143	203	284	309	307	269	179	92	85
2630	72	88	103	99	90	99	113	153	194	220
2640	242	265	286	297	282	204	99	21	-3	-12

TO BE CONTINUED

CONTINUED (S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2650	0	11	16	-18	-88	-123	-164	-181	-180	-173
2660	-174	-185	-196	-203	-200	-174	-144	-119	-109	-108
2670	-321	-122	-124	-137	-172	-208	-234	-235	-201	-95
2680	-14	52	131	179	205	220	220	219	219	219
2690	228	242	257	274	290	258	200	166	151	133
2700	117	78	15	-75	-101	-291	-335	-345	-340	-334
2710	-332	-331	-324	-313	-290	-254	-238	-218	-183	-37
2720	51	151	248	294	300	276	243	222	231	286
2730	380	415	436	407	309	199	115	80	66	64
2740	58	54	31	-7	-46	-63	-76	-77	-69	-57
2750	-32	6	0	-14	-32	-34	-22	-4	14	33
2760	50	64	67	53	26	0	-13	-14	-26	-42
2770	-120	-239	-272	-281	-256	-202	-169	-146	-118	-92
2780	-53	-20	9	26	34	27	17	23	47	75
2790	123	140	120	88	70	67	59	36	-29	-134
2800	-209	-242	-236	-195	-133	-110	-52	54	94	112
2810	120	103	69	33	19	17	16	11	7	14
2820	32	50	69	80	88	82	69	58	66	152
2830	283	298	279	227	143	111	107	115	115	87
2840	31	-19	-36	-33	-33	-35	-46	-65	-81	-89
2850	-77	-59	-28	34	73	94	105	87	59	11
2860	-61	-76	-14	27	45	13	-86	-159	-191	-222
2870	-241	-251	-258	-253	-245	-237	-231	-222	-211	-196
2880	-173	-110	-36	-6	11	25	21	9	-1	-5
2890	0	44	117	159	177	180	165	135	81	37
2900	-22	-68	-87	-88	-66	-7	21	21	0	-38
2910	59	-62	-65	-66	-72	-76	-64	-26	23	78
2920	142	196	127	73	56	67	98	142	163	122
2930	275	223	127	73	56	67	98	142	163	122
2940	48	0	-38	-93	-190	-256	-300	-318	-324	-292
2950	-205	-125	-73	-40	-28	-46	-86	-122	-124	-124
2960	-120	-129	-141	-149	-159	-165	-159	-139	-46	41
2970	98	114	104	81	64	56	49	40	-2	-60
2980	-130	-161	-178	-183	-182	-170	-135	-67	-4	39
2990	64	68	73	81	114	146	175	200	204	192
3000	165	135	102	79	77	84	91	97	104	113
3010	110	104	97	92	101	117	131	140	137	123
3020	116	116	122	130	138	148	156	152	114	54
3030	-7	-35	-47	-48	-64	-102	-177	-228	-222	-206
3040	-192	-187	-197	-208	-212	-206	-186	-80	20	54
3050	50	4	-72	-130	-142	-120	-39	25	76	99
3060	93	77	24	-51	-98	-117	-111	-79	-25	2
3070	15	16	15	17	19	23	31	58	105	162
3080	210	233	248	253	252	241	189	113	40	12
3090	3	2	7	14	24	40	68	101	138	160
3100	174	176	163	138	94	49	11	-12	-45	-71
3110	-101	-130	-166	-200	-222	-231	-223	-171	-100	-61
3120	-56	-84	-115	-109	-97	-87	-85	-98	-113	-114
3130	-100	-74	-44	-23	-51	-66	-98	-82	-51	-19
3140	14	36	49	50	41	31	18	11	6	8
3150	15	36	112	154	166	162	128	55	0	-20
3160	13	110	196	237	256	274	269	237	184	109
3170	59	19	8	13	57	95	113	112	104	94
3180	87	73	42	0	-49	-60	-64	-72	-73	-73

TO BE CONTINUED

CONTINUED (S-1201 DOWN)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	-77	-92	-106	-116	-117	-117	-111	-100	-100	-100
3200	-93	-81	-60	-45	-30	-13	1	42	26	39
3210	45	39	27	-14	-38	-46	-37	-23	-18	-8
3220	-5	-13	-47	-97	-149	-171	-151	-97	-34	8
3230	16	6	-4	-16	-30	-35	-35	-35	-28	-22
3240	-13	-5	0	2	-1	-2	-2	3	14	24
3250	28	37	36	30	20	8	6	11	43	75
3260	100	106	34	-26	-95	-113	-150	-150	-140	-125
3270	-124	-124	-115	-116	-128	-128	-129	-129	-122	-122
3280	-115	-100	-63	-7	29	58	79	84	69	53
3290	42	39	42	47	48	52	46	44	44	46
3300	49	50	48	42	38	30	18	15	13	3
3310	1	2	-27	-56	-63	-63	-59	-38	43	101
3320	153	180	193	198	203	208	206	191	144	82
3330	44	35	35	37	39	42	38	33	25	13
3340	-4	60	-105	-123	-128	-128	-131	-145	-151	-155
3350	-160	-153	-143	-134	-129	-120	-108	-93	-78	-71
3360	-75	-75	-79	-78	-78	-71	-52	-42	-33	56
3370	52	37	30	32	83	113	124	133	128	119
3380	111	107	101	91	65	40	23	8	10	15
3390	23	31	26	24	31	42	52	63	60	22
3400	-11	-40	-44	-29	9	67	105	121	129	120
3410	113	98	72	51	31	16	0	-14	-22	-11
3420	-1	11	18	29	34	30	16	-24	-72	-95
3430	-109	-119	-113	-98	-74	-54	-43	-53	-73	-91
3440	-96	-88	-33	9	42	64	81	69	51	35
3450	22	14	15	23	42	69	84	80	73	75
3460	82	90	92	78	56	21	-27	-55	-71	-75
3470	-64	-45	-23	-6	11	27	41	49	44	34
3480	25	14	4	0	-1	-9	-34	-57	-80	-97
3490	-100	-100	-100	-98	-98	-98	-98	-98	-103	-103
3500	-108	-108	-117	-151	-176	-194	-205	-188	-139	-84
3510	-20	-9	-5	-2	4	11	17	27	41	58
3520	71	75	67	56	45	51	56	60	51	34
3530	42	43	28	115	180	198	175	118	61	37
3540	34	39	40	30	21	14	9	1	5	14
3550	21	35	42	59	60	31	-6	-40	-49	-48
3560	-30	-11	8	17	18	27	30	12	-27	-77
3570	-89	-99	-100	-94	-81	-62	-30	-18	-21	-38
3580	-56	-61	-57	-40	-23	-9	-22	-35	-47	-53
3590	-53	-52	-51	-50	-46	-45	-45	-42	-41	-49
3600	-59	-70	-87	-89	-66	-48	-30	-24	-30	-31
3610	-26	-12	-3	-2	-3	-4	11	27	26	14
3620	4	5	18	40	63	76	84	88	91	76
3630	95	101	105	111	116	111	111	112	115	121
3640	113	96	65	31	13	11	5	0	-8	-27
3650	-47	-63	-71	-63	-52	-33	-9	5	18	22
3660	26	27	26	29	37	49	58	51	33	18
3670	3	4	0	-14	-60	-85	-90	-68	-10	-65
3680	17	16	-25	-94	-131	-139	-137	-131	-116	-98
3690	-87	-84	-76	-76	-72	-65	-55	-46	-40	-37
3700	-34	-33	-36	-62	-63	-37	-28	-6	5	-1
3710	-30	-67	-74	-78	-56	-27	2	9	0	-6
3720	-18	-24	-17	-12	-1	6	36	66	84	82

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-58	-55	-49	-40	-37	-33	-38	-39	-39	-39	4810	-2	0	5	8	7	0	-5	-14	-15	-17
4280	-30	-15	0	19	26	24	21	12	3	7	4820	-18	-33	-43	-51	-53	-53	-52	-42	-44	-15
4290	15	21	16	7	-3	-16	22	-28	-28	-34	4830	30	50	64	67	66	34	41	24	19	12
4300	-41	-46	-39	-35	-30	-24	-28	-40	-48	-48	4840	22	27	39	47	54	59	62	64	65	20
4310	-57	-57	-54	-48	-40	-34	-30	-14	3	11	4850	60	57	54	50	48	47	48	45	39	25
4320	7	1	-3	-11	-3	1	9	12	12	13	4860	8	12	-11	-4	1	6	7	6	14	23
4330	15	25	36	44	41	33	24	14	12	12	4870	32	36	29	24	19	14	14	6	0	-6
4340	15	18	29	28	18	9	3	-2	-7	-7	4880	-6	-6	-14	-17	-19	-27	-27	-22	-22	-13
4350	-7	-10	-19	-26	-33	-35	-35	-35	-35	-34	4890	-10	-11	-15	-22	-30	-38	-38	-35	-25	-5
4360	-31	-31	-31	-30	-34	-25	-18	-29	-29	-29	4900	10	21	24	24	24	24	26	27	29	33
4370	-42	-50	-51	-45	-39	-30	-25	-18	-11	35	4910	35	37	35	32	28	33	41	35	66	67
4380	-16	-36	-53	-67	-56	-40	-15	11	30	32	4920	65	65	65	65	64	63	62	61	60	57
4390	33	33	35	36	37	37	43	43	46	46	4930	64	49	29	22	13	13	25	29	31	33
4400	61	65	66	66	66	63	57	53	47	46	4940	36	37	37	37	37	37	34	28	23	22
4410	38	28	12	-1	-22	-18	-4	24	62	85	4950	22	25	30	27	25	16	0	-8	-13	-13
4420	98	89	66	20	-13	-25	-29	-15	0	4	4960	-17	-18	-18	-18	-19	-21	-27	-37	-50	-58
4430	12	13	18	25	23	22	17	10	4	5	4970	-58	-56	-54	-50	-45	-42	-47	-49	-37	-29
4440	10	15	15	9	6	8	14	18	24	17	4980	-20	-16	-10	-4	2	8	20	39	36	46
4450	193	404	-1	-8	-28	-36	-42	-43	-41	-37	4990	57	73	81	87	82	79	74	68	67	70
4460	-33	-22	-11	4	21	29	26	21	17	9	5000	72	75	75	72	73	74	74	73	71	71
4470	7	7	5	-2	-9	-17	-21	-17	-7	1	5010	68	68	68	68	68	68	68	68	68	68
4480	9	3	-9	-26	-39	-45	-45	-47	-43	-28	5020	73	8	15	27	35	37	32	26	18	14
4490	12	47	66	84	89	89	88	87	86	80	5030	8	-1	-11	-22	-33	-34	-34	-21	-14	-6
4500	76	69	68	73	78	79	80	85	96	102	5040	-3	-3	-8	-8	-33	-34	-34	-33	-37	-48
4510	102	92	74	72	70	82	93	99	94	78	5050	-62	-74	-64	-57	-49	-42	-41	-41	-41	-41
4520	62	35	3	-11	-13	-11	-3	9	22	26	5060	-41	-36	-30	-19	-1	9	23	37	46	48
4530	16	-6	-28	-37	-32	-26	-19	-15	-17	-19	5070	48	48	48	48	48	45	36	28	19	8
4540	-28	-31	-29	-28	-24	-24	-22	-20	-18	-26	5080	5	5	6	7	12	13	8	4	1	-2
4550	-39	-47	-48	-39	-33	-22	-16	-10	-6	-6	5090	-8	-11	-14	-19	-18	-10	-9	-6	-3	1
4560	-10	-20	-28	-41	-52	-55	-56	-56	-57	-54	5100	11	20	28	37	46	47	46	40	35	31
4570	-41	-28	-19	-6	7	6	-1	-10	-20	-28	5110	24	15	3	-6	-3	4	8	18	25	29
4580	-30	-18	-1	14	26	34	37	44	48	56	5120	33	36	38	37	35	34	34	33	29	22
4590	64	65	63	60	57	54	48	47	46	46	5130	17	14	16	20	22	17	10	4	-13	-17
4600	50	57	65	80	89	99	104	102	99	92	5140	-14	-9	-7	-4	1	7	7	7	4	1
4610	97	106	118	125	126	120	108	95	81	72	5150	-1	-4	-4	-4	17	15	2	-27	-41	-44
4620	64	55	53	53	55	60	63	56	43	-19	5160	24	24	24	24	18	10	9	9	15	22
4630	-93	-124	-131	-125	-123	-106	-99	-98	-99	-101	5170	-68	-68	-50	-67	-35	-24	-7	-2	21	45
4640	-101	-98	-97	-100	-104	-99	-88	-64	-54	-51	5180	55	59	60	59	56	52	49	49	54	51
4650	-54	-54	-54	-49	-41	-37	-36	-38	-38	-38	5190	46	39	30	21	17	13	10	10	11	17
4660	-29	-6	18	30	37	41	42	42	39	37	5200	23	26	36	46	54	54	50	47	42	51
4670	29	28	29	37	45	48	46	43	34	24	5210	60	70	80	82	77	70	62	55	52	48
4680	20	19	22	38	47	53	61	63	63	64	5220	43	40	31	28	25	21	20	16	18	16
4690	66	67	67	68	67	68	71	74	79	86	5230	14	11	0	-7	-16	-31	-30	-26	-18	-13
4700	89	89	86	81	78	65	52	33	17	1	5240	-11	-14	-17	-17	-15	-11	-3	-34	-33	-29
4710	-9	-18	-22	-26	-28	-38	-39	-36	-35	-34	5250	24	26	28	-31	-34	-34	-34	-34	-33	-29
4720	-38	-48	-70	-93	-107	-110	-109	-106	-104	-100	5260	-23	-15	-6	0	8	16	21	15	6	-1
4730	-106	-109	-110	-111	-114	-115	-115	-115	-110	-71	5270	-9	-17	-16	-16	11	26	28	28	29	33
4740	-12	9	13	21	26	27	32	36	38	40	5280	33	30	34	34	37	39	33	33	41	40
4750	41	40	58	69	75	77	77	72	72	74	5290	34	34	34	34	37	39	33	33	41	40
4760	74	75	78	80	84	86	88	93	96	91	5300	86	81	74	62	47	38	30	21	11	7
4770	76	62	48	44	40	47	56	66	77	78	5310	4	0	-10	-21	-27	-31	-32	-32	-30	-29
4780	78	75	67	53	39	28	24	19	16	13	5320	-20	-11	-11	-11	-11	-11	-11	-11	-11	-11
4790	8	3	4	8	7	0	-12	-24	-25	-27	5330	-11	-14	-10	-3	-6	-12	-19	-23	-24	-15
4800	-17	5	24	44	50	45	31	21	13	0	5340	-4	7	13	20	26	27	25	22	20	20

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	18	18	23	36	43	47	46	46	46	45	5890	15	19	23	26	24	27	25	19	12	9
5360	40	35	27	21	18	12	0	-6	-11	-19	5900	3	2	2	0	-2	-6	-9	-14	-18	-18
5370	-16	-21	-28	-34	-44	-44	-44	-44	-44	-29	5910	-18	-18	-18	-18	-18	-18	-18	-18	-15	-3
5380	-18	-14	29	38	47	53	61	64	64	67	5920	1	6	12	16	22	24	24	29	39	44
5390	70	60	55	49	43	38	27	22	18	17	5930	44	41	41	38	39	38	37	34	29	23
5400	14	9	7	4	4	1	0	-2	-2	-3	5940	15	7	0	-3	-5	-8	-9	-10	-10	-10
5410	-10	-19	-30	-39	-44	-37	-28	-18	-9	2	5950	-7	-4	-2	-3	0	2	2	2	2	8
5420	4	4	5	5	5	8	20	9	40	43	5960	12	20	25	23	17	12	6	1	-3	6
5430	44	44	42	39	34	28	20	9	3	-8	5970	4	8	11	20	20	17	13	6	10	14
5440	-25	-32	-32	-31	-29	-27	-26	-25	-24	-17	5980	16	20	19	12	8	0	0	0	1	-2
5450	-4	-5	-6	-6	-3	2	11	30	38	48	5990	-5	-5	-5	-5	-1	0	1	6	2	2
5460	57	58	58	62	64	66	65	64	64	64	6000	-6	-6	-6	-6	-6	-4	5	6	10	10
5470	64	59	42	36	31	28	30	30	30	31	6010	10	13	6	3	3	4	5	4	4	2
5480	50	54	59	60	58	49	40	33	28	19	6020	2	3	4	4	4	9	15	13	10	2
5490	14	6	0	-2	-6	-7	-9	-12	-17	-22	6030	2	4	5	9	13	16	14	12	11	14
5500	-29	-37	-50	-52	-51	-52	-52	-47	-41	-35	6040	17	21	26	23	20	15	7	5	0	-1
5510	-38	-29	-28	-27	-30	-28	-24	-33	-38	-37	6050	0	3	11	10	9	5	1	-2	-3	-4
5520	-30	-25	-21	0	1	-2	-12	-22	-23	-23	6060	-4	-4	-4	-4	-4	-4	-4	-2	7	16
5530	-21	-20	-20	-20	-20	-20	-20	-16	-7	-7	6070	22	25	26	25	23	18	13	2	-11	-18
5540	-10	-9	3	8	16	25	35	37	37	40	6080	-26	-23	-12	1	10	9	8	8	6	2
5550	38	31	18	12	7	6	6	5	5	6	6090	11	18	24	24	19	14	11	3	-4	-6
5560	7	15	20	38	48	59	58	52	48	32	6100	-6	-2	2	5	18	23	26	27	24	2
5570	17	13	13	15	15	15	16	15	15	7	6110	29	30	30	28	25	24	22	15	17	17
5580	-7	-14	-20	-30	-34	-29	-20	-10	-3	-1	6120	15	11	4	-4	-8	-13	-9	10	-2	2
5590	1	2	-7	-21	-25	-28	-22	-14	-7	0	6130	-3	-5	-8	-6	-3	2	7	13	18	19
5600	3	6	6	5	3	0	-8	-11	-15	-18	6140	19	19	21	21	21	21	21	21	22	18
5610	-21	-24	-25	-25	-27	-27	-27	-27	-27	-27	6150	12	2	-3	-5	-8	-13	-22	-25	-25	-24
5620	26	32	41	47	48	55	50	37	28	27	6160	-23	-23	-23	-21	-20	-18	-17	-12	-6	-9
5630	26	31	33	36	40	43	40	43	47	53	6170	-14	-15	-18	-14	-9	-5	-2	1	3	5
5640	27	31	33	36	40	43	40	43	47	53	6180	5	6	9	10	8	10	13	21	29	29
5650	60	58	58	57	52	49	45	39	35	37	6190	28	25	15	5	-4	1	2	5	5	11
5660	36	36	37	36	36	36	36	36	36	34	6200	14	12	10	10	10	8	2	-1	-2	-4
5670	31	29	19	16	16	16	16	14	7	-1	6210	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
5680	-4	-3	0	4	7	9	7	5	2	-2	6220	-5	0	4	2	2	1	2	2	2	2
5690	-6	-9	-9	-9	-3	6	11	18	27	23	6230	1	2	-26	-41	-46	-38	-29	-26	-27	-30
5700	15	0	-15	-26	-27	-27	-27	-30	-30	-30	6240	-32	-33	-38	-30	-19	-9	-8	-8	-5	-4
5710	-30	-30	-28	-25	-18	-10	3	9	19	19	6250	-4	-2	0	4	13	15	16	15	13	7
5720	23	24	28	32	40	44	49	53	54	55	6260	4	12	18	24	23	22	22	20	15	9
5730	57	55	55	55	54	52	50	47	44	41	6270	6	10	11	12	12	15	16	18	21	21
5740	36	28	22	20	17	14	13	13	16	20	6280	21	19	15	10	4	2	1	1	4	3
5750	23	24	19	13	2	0	0	0	2	2	6290	-4	-10	-15	-25	-32	-34	-35	-33	-33	-33
5760	0	-7	-14	-23	-25	-26	-20	-9	-2	7	6300	-31	-30	-27	-17	-11	-5	-4	-4	-9	-12
5770	23	31	42	49	57	57	52	45	39	34	6310	-13	-13	-12	-6	0	6	6	6	6	6
5780	22	16	8	7	9	12	13	15	13	8	6320	17	17	16	15	10	6	5	5	5	6
5790	3	-2	-8	-14	-15	-15	-17	-18	-18	-18	6330	6	6	9	9	11	5	5	5	5	6
5800	-18	-19	-18	-15	-7	-1	5	8	9	12	6340	7	11	15	19	20	18	15	12	9	14
5810	13	12	13	13	18	26	44	50	51	46	6350	21	22	22	20	18	19	18	17	16	14
5820	39	36	33	29	22	18	15	12	9	12	6360	12	8	5	0	6	7	15	19	22	25
5830	13	12	10	7	5	1	-1	5	9	12	6370	21	15	7	0	-3	-5	-5	-4	-3	-5
5840	16	16	19	18	15	8	-1	-10	-14	-17	6380	-6	-3	5	9	5	4	0	-3	-6	-9
5850	-20	-21	-19	-18	-15	-15	-7	2	23	30	6390	-9	9	-7	-2	-2	-3	-6	-11	-15	-13
5860	39	43	41	38	32	29	27	27	26	24	6400	-3	1	4	6	8	12	15	22	22	23
5870	22	17	14	1	0	0	1	8	11	13	6410	24	24	25	24	19	16	13	11	8	6
5880	16	18	21	23	21	23	18	14	13	13	6420	3	2	0	-2	-3	-5	-6	-10	-13	-17

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1201 DOWN)

CONTINUED(S-1201 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-18	-18	-18	-18	-15	-13	-10	-9	-9	-7	6970	-16	-16	-16	-16	-16	-16	-15	-15	-13	-10
6440	-6	-3	-1	7	13	12	14	13	15	22	6980	-9	-5	-1	1	2	2	2	0	0	-5
6450	24	23	23	23	23	23	23	24	25	26	6990	-6	-9	-17	-24	-27	-27	-27	-27	-30	-31
6460	25	22	21	20	18	14	11	5	3	2	7000	-33	-35	-39	-43	-43	-43	-43	-43	-42	-35
6470	0	-6	-11	-14	-17	-18	-18	-18	-17	-10	7010	-35	-36	-37	-36	-34	-29	-23	-17	-5	0
6480	-9	-9	-10	-7	-3	-2	-2	-2	5	2	7020	14	17	16	17	12	13	12	12	13	13
6490	6	5	5	5	5	4	4	2	2	2	7030	14	17	16	17	15	18	18	16	15	13
6500	2	2	4	5	4	4	3	2	1	-1	7040	0	-6	-9	-12	-13	-15	-16	-16	-16	-16
6510	-7	-9	-9	-9	2	5	11	-11	-9	-8	7050	-16	-16	-17	-16	-16	-16	-19	-18	-15	-15
6520	-5	-5	0	2	5	13	15	15	13	13	7060	-15	-16	-16	-16	-17	-19	-21	-24	-25	-25
6530	13	11	8	4	3	3	0	-4	-14	-20	7070	-25	-25	-27	-27	-27	-27	-27	-24	-22	-22
6540	-26	-28	-27	-29	-29	-28	-22	-4	7	14	7080	-19	-19	-17	-13	-13	-11	-7	-4	4	9
6550	15	17	22	23	23	23	23	23	23	17	7090	9	8	6	6	3	-2	-4	-4	4	9
6560	14	13	14	13	14	13	0	-8	-14	-22	7100	-4	-16	-23	-27	-28	-28	-28	-28	-28	-28
6570	-25	-25	-25	-25	-25	-24	-18	-16	-14	0	7110	-28	-22	-13	-7	-5	0	10	18	28	33
6580	2	8	10	15	21	23	24	23	23	25	7120	33	37	38	36	31	30	28	19	12	5
6590	25	24	19	17	16	15	13	10	6	6	7130	-2	-11	-20	-24	-27	-29	-28	-28	-28	-28
6600	5	4	1	0	-1	-1	-1	-1	-1	-1	7140	-28	-22	-13	-7	-5	0	10	18	28	33
6610	-1	0	3	8	12	18	16	16	13	12	7150	-23	-26	-31	-33	-36	-38	-41	-42	-36	-31
6620	15	17	21	22	17	12	0	-5	-13	-19	7160	-25	-24	-18	-8	-3	0	4	4	4	4
6630	-19	-20	-19	-17	-17	-15	-11	-8	-8	-5	7170	4	12	14	14	13	13	13	13	13	13
6640	-2	-1	0	0	2	6	8	12	13	14	7180	14	13	13	13	13	14	14	14	14	14
6650	15	16	17	17	17	19	19	19	18	17	7190	13	13	13	13	11	10	6	0	-3	-7
6660	20	23	24	18	17	18	17	15	12	5	7200	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
6670	1	-4	-6	-6	-6	-6	-4	-4	-4	-8	7210	-9	-9	-7	-4	-3	-1	-5	-8	-11	-15
6680	-11	-12	-12	-12	-7	0	4	8	9	9	7220	-17	-15	-16	-17	-25	-30	-34	-36	-38	-41
6690	9	13	14	12	10	9	7	1	-3	-3	7230	-41	-44	-44	-39	-35	-31	-28	-24	-22	-18
6700	0	0	0	0	-3	-4	-1	1	6	1	7240	-10	-9	-5	0	1	3	3	3	3	3
6710	-1	-5	-9	-14	-16	-16	-13	-13	-13	-7	7250	0	-1	-2	-3	-3	-3	-3	-2	-3	0
6720	-3	-9	-12	-14	-15	-18	-21	-22	-22	-24	7260	-1	-7	-14	-17	-20	-21	-20	-17	-12	0
6730	-25	-25	-25	-25	-25	-25	-24	-22	-20	-14	7270	3	5	12	13	13	15	20	25	26	25
6740	-8	-2	2	4	11	11	9	4	4	1	7280	27	28	28	28	28	25	24	20	16	14
6750	-4	-5	-6	-4	-1	-2	-4	-4	-6	-5	7290	12	5	0	-3	-10	-16	-22	-26	-30	-35
6760	-3	0	1	5	9	7	4	0	0	-2	7300	-35	-35	-35	-35	-30	-21	-16	-6	-4	-4
6770	-5	-6	-5	-6	-7	-9	-15	-18	-23	-25	7310	-4	-4	-4	-2	-2	-2	-2	-2	-2	-3
6780	-27	-34	-38	-43	-46	-47	-47	-46	-43	-37	7320	-7	-10	-14	-16	-16	-18	-19	-21	-28	-35
6790	-29	-19	-15	-12	-9	-5	-4	-4	-3	-4	7330	-36	-38	-37	-38	-37	-38	-37	-38	-37	-39
6800	-3	-4	-3	-4	0	-1	-2	-2	-1	-1	7340	-39	-39	-39	-39	-34	-29	-23	-18	-11	-6
6810	-1	-1	-1	-1	-1	-1	-1	-2	6	11	7350	-1	0	2	8	14	20	20	20	24	27
6820	12	12	12	10	5	4	1	-1	-9	-11	7360	27	27	27	27	29	29	29	29	29	17
6830	-11	-10	-12	-7	0	5	10	10	10	10	7370	16	16	16	16	16	15	14	11	7	1
6840	10	10	9	9	0	-14	-17	-19	-19	-15	7380	-7	-11	-14	-14	-10	-11	-6	-4	-2	-1
6850	-11	-10	-8	-4	-3	0	-1	0	0	3	7390	-2	-2	-1	-1	0	0	0	0	0	0
6860	4	3	3	2	1	5	8	11	16	16	7400	0	1	1	0	-6	-8	-9	-11	-14	-18
6870	15	13	13	11	9	2	-3	-3	4	9	7410	-19	-17	-13	-13	-13	-13	-10	-5	-3	0
6880	-16	-16	-16	-14	-10	-3	4	6	9	9	7420	7	8	11	14	17	22	19	14	9	5
6890	5	1	0	-3	-4	-4	-4	-4	-5	-6	7430	0	-3	-1	3	7	11	14	19	23	28
6900	-7	-9	-16	-24	-27	-28	-28	-28	-26	-25	7440	30	30	29	23	22	21	18	15	14	12
6910	-23	-18	-13	-10	-7	0	0	2	5	9	7450	13	14	14	10	8	5	5	5	4	-6
6920	18	23	23	23	23	22	22	22	22	21	7460	-17	-17	-17	-17	-17	-17	-17	-19	-19	-18
6930	19	13	5	0	-4	-5	-5	-7	-10	-16	7470	-9	-9	-9	-9	-9	-9	-9	-9	-9	-8
6940	-21	-22	-24	-25	-25	-25	-25	-25	-25	-21	7480	-13	-2	7	9	12	12	12	8	7	5
6950	-22	-19	-18	-17	-7	3	9	13	18	23	7490	-2	0	-6	-12	-15	-19	-22	-23	-23	-23
6960	23	23	23	18	14	12	6	-1	-12	-16	7500	-23	-23	-22	-18	-14	-11	-5	-4	-2	-1

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1201 DOWN)										CONTINUED(S-1201 DOWN)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	-1	-1	-5	-4	-3	-4	-4	-4	-4	0	8050	2	0	1	1	0	-1	-1	-1	-2	-2
7520	1	0	1	2	4	4	9	9	9	10	8060	-6	-12	-14	-14	-14	-14	-5	0	0	0
7530	9	9	9	4	0	1	-2	-4	-4	-6	8070	0	0	0	1	3	3	3	3	3	3
7540	-7	-7	-9	-10	-12	-12	-18	-19	-19	-19	8080	3	3	1	0	0	0	-10	-13	-14	-14
7550	-21	-20	-24	-24	-24	-14	-8	-4	-1	1	8090	-14	-14	-12	-13	-11	-11	-11	-11	-11	-12
7560	0	1	1	1	5	5	1	0	-5	-14	8100	-12	-11	-11	-10	-7	-10	-14	-13	-10	-3
7570	-21	-22	-24	-25	-25	-25	-25	-26	-27	-27	8110	-1	-1	0	0	1	1	1	1	1	1
7580	-26	-26	-26	-26	-26	-26	-26	-22	-19	-15	8120	1	1	1	2	1	-1	-2	0	0	0
7590	-13	-6	-1	5	9	15	14	13	15	15	8130	-14	-14	-4	-4	-13	-14	-14	-13	-14	-13
7600	15	16	16	16	16	16	16	16	16	16	8140	-14	-14	-14	-13	-14	-14	-14	-13	-14	-13
7610	15	0	-3	-11	-16	-21	-16	-21	-15	-14	8150	-13	-13	-15	-21	-21	-21	-21	-20	-20	-20
7620	-8	-3	-1	1	1	2	3	5	4	4	8160	-20	-20	-17	-16	-10	-4	-1	3	9	17
7630	2	1	1	1	1	1	0	0	-1	-3	8170	19	19	21	20	20	20	17	17	13	8
7640	-6	-17	-20	-20	-24	-22	-22	-22	-24	-25	8180	3	-2	-4	-10	-12	-12	-13	-15	-15	-12
7650	-23	-23	-23	-25	-25	-25	-25	-23	-23	-22	8190	-12	-12	-11	-8	-4	-3	0	7	9	9
7660	-25	-28	-31	-32	-30	-27	-26	-24	-23	-21	8200	9	10	12	14	12	11	12	12	12	13
7670	-16	-15	-14	-13	-8	-8	-7	-3	0	0	8210	13	10	9	7	5	5	5	5	5	6
7680	4	5	9	11	11	12	16	18	17	18	8220	6	5	5	5	5	5	4	3	2	-6
7690	18	18	19	24	28	31	34	37	36	35	8230	-17	-19	-19	-19	-20	-24	-24	-26	-26	-26
7700	36	37	35	31	24	22	19	16	12	8	8240	-26	-26	-26	-26	-26	-24	-24	-24	-24	-22
7710	0	-4	-8	-13	-19	-22	-23	-23	-21	-21	8250	-21	-19	-18	-15	-14	-10	-8	-8	-8	-8
7720	-21	-19	-20	-21	-20	-20	-15	-12	-8	-3	8260	-7	-7	-7	-7	-7	-7	-7	-7	-8	-8
7730	1	4	8	12	17	18	17	12	10	10	8270	-8	-8	-8	-2	2	8	9	5	1	0
7740	12	12	12	4	2	4	4	4	4	4	8280	-8	-16	-22	-27	-27	-27	-27	-27	-27	-27
7750	4	5	4	5	9	11	12	15	15	15	8290	-27	-27	-27	-27	-27	-26	-26	-26	-26	-26
7760	19	22	24	25	24	23	22	22	21	21	8300	-26	-21	-18	-17	-16	-16	-13	-8	-6	-6
7770	20	17	11	5	0	-3	-6	-7	-9	-16	8310	-7	-10	-13	-15	-15	-12	-7	-4	-4	-4
7780	-22	-22	-23	-25	-28	-31	-29	-26	-26	-24	8320	-4	0	2	2	2	2	4	6	3	0
7790	-21	-17	-16	-11	-7	0	1	5	4	2	8330	1	0	0	-1	-8	-10	-13	-15	-16	-16
7800	0	-6	-7	-7	-7	-7	-7	-5	-10	-15	8340	-16	-16	-16	-16	-16	-15	-15	-15	-15	-16
7810	-22	-29	-35	-38	-39	-39	-39	-39	-35	-33	8350	-16	-15	-15	-15	-14	-15	-15	-15	-15	-16
7820	-32	-29	-24	-19	-13	-13	-11	-5	-1	0	8360	-23	-23	-22	-22	-20	-21	-19	-18	-17	-20
7830	2	5	6	9	9	16	20	21	21	21	8370	-15	-15	-15	-15	-13	-11	-10	-10	-9	-9
7840	21	21	21	23	20	16	13	10	9	9	8380	-9	-6	0	1	2	3	4	4	4	4
7850	11	11	14	19	22	22	21	16	13	11	8390	4	4	4	4	4	7	10	9	9	9
7860	9	4	3	2	2	0	-9	-12	-13	-13	8400	9	8	10	8	5	4	2	0	-3	-2
7870	-19	-28	-29	-29	-29	-29	-29	-29	-31	-32	8410	1	5	7	5	5	5	5	5	4	4
7880	-32	-31	-31	-32	-33	-35	-33	-33	-32	-31	8420	4	4	4	4	4	2	0	-3	-4	-4
7890	-27	-23	-19	-13	-7	-6	-6	-3	3	9	8430	-5	-13	-17	-17	-17	-17	-19	-19	-20	-20
7900	14	11	13	12	15	18	23	23	23	24	8440	-19	-20	-20	-20	-21	-17	-12	-9	-9	-9
7910	18	14	10	6	5	3	3	2	3	2	8450	-7	-7	-7	-7	-7	-7	-5	-5	-5	-4
7920	4	5	5	5	5	5	1	-2	-4	-10	8460	-4	-5	-6	-10	-11	-11	-14	-15	-15	-15
7930	-17	-19	-18	-18	-18	-17	-17	-16	-16	-13	8470	-13	-13	-13	-11	-11	-9	-9	-9	-9	-13
7940	-12	-7	-1	2	2	0	0	-1	-5	-14	8480	-13	-13	-13	-11	-9	-9	-9	-9	-9	-13
7950	-21	-29	-32	-32	-32	-31	-31	-32	-31	-31	8490	-7	-6	-6	-6	-6	-5	-4	-1	0	-6
7960	-31	-27	-24	-24	-18	-8	-1	5	7	7	8500	-11	-14	-19	-22	-24	-26	-28	-30	-30	-30
7970	7	9	9	9	9	9	9	9	9	9	8510	-29	-27	-23	-17	-14	-14	-12	-9	-7	-6
7980	9	4	-2	-7	-11	-15	-18	-19	-20	-24	8520	-15	-14	-14	-14	-14	-14	-14	-12	-9	-11
7990	-25	-24	-22	-23	-23	-24	-24	-21	-15	-14	8530	-8	-9	-9	-9	-8	-9	-10	-10	-10	-10
8000	-11	-9	-6	0	0	0	0	0	0	0	8540	-11	-10	-4	-1	0	0	-4	-10	-14	-14
8010	-12	-11	-5	-3	0	0	0	0	0	0	8550	-19	-28	-32	-35	-36	-36	-36	-33	-27	-25
8020	0	0	1	1	0	0	0	-2	-5	-5	8560	-26	-24	-23	-22	-18	-13	-7	-1	1	2
8030	-10	-12	-14	-14	-14	-14	-14	-12	-6	-3	8570	2	3	3	3	4	6	6	6	6	6
8040	-1	-1	-1	-1	0	0	1	1	1	1	8580	6	6	6	7	7	7	7	7	7	7

TO BE CONTINUED

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	7	7	5	2	0	0	0	1	1	1
8600	1	-9	-10	-7	-5	-6	-6	-9	-14	-19
8610	-23	-27	-27	-27	-24	-29	-29	-29	-29	-29
8620	-29	-24	-29	-29	-29	-29	-29	-29	-29	-29
8630	-29	-29	-29	-29	-29	-29	-29	-29	-29	-29
8640	-15	-15	-9	-5	-3	-3	-3	2	4	5
8650	5	5	5	6	7	5	5	5	5	5
8660	5	5	5	5	5	5	5	5	5	5
8670	5	5	5	5	5	5	5	5	5	5
8680	-20	-22	-24	-24	-24	-25	-26	-26	-26	-26
8690	-24	-24	-24	-24	-24	-24	-24	-24	-24	-24
8700	-24	-24	-22	-19	-12	-5	-4	-3	-4	-4
8710	-24	-24	-22	-19	-12	-5	-4	-3	-4	-4
8720	-3	3	5	5	5	5	5	5	5	5
8730	0	0	0	0	0	0	0	0	0	0
8740	-8	-7	-5	-4	-2	4	3	3	7	9
8750	11	12	9	8	7	6	6	6	5	5
8760	1	-3	-4	-5	-5	-6	-9	-11	-16	-16
8770	-16	-17	-17	-21	-22	-22	-21	-20	-19	-19
8780	-20	-18	-15	-9	-8	-7	-5	-5	-5	-4
8790	-4	2	4	5	5	5	5	5	5	5
8800	5	5	5	5	5	4	0	0	0	0
8810	0	0	0	0	0	0	0	0	0	1
8820	2	4	6	7	6	5	5	5	5	5
8830	0	-1	-4	-8	-8	-8	-9	-8	-9	-9
8840	-9	-9	-9	-8	-6	-6	-6	-6	-6	-8
8850	-9	-12	-12	-12	-10	-6	-1	-5	-13	-19
8860	-12	-19	-19	-19	-21	-24	-24	-23	-20	-18
8870	-12	-5	-3	-3	-3	-3	5	16	23	27
8880	27	27	27	27	27	27	27	23	17	16
8890	16	16	16	16	12	4	-1	-5	-6	-6

END

RECORD = S-1210 COMPONENT = N41E STATION = OFUNATO-BOCHI-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 5800
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CONNECTION POINT IN DATA NUMBER= 2853, 5800.

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
0	-14	-13	-13	-13	-13	-13	-13	-13	-12	-11	490	-14	-13	-13	-12	-15	-24	-31	-25	-2	7	
10	-9	-7	-7	-7	-7	-7	-7	-7	-6	-6	500	8	8	13	27	26	11	-20	-29	-31	-26	
20	-5	-5	-5	-5	-5	-6	-7	-7	-6	-6	510	-19	-17	-18	-29	-50	-73	-66	-31	12	30	
30	-4	-4	-3	-3	-3	-3	-4	-5	-4	-3	520	0	-24	-25	-7	5	17	33	42	37	27	
40	-2	-2	-3	-3	-3	-3	-4	-5	-4	-3	530	25	34	47	52	47	32	9	-14	-42	-74	
50	-4	-1	0	0	-2	-2	-2	-1	-3	-8	540	-85	-89	-79	-54	-26	-22	-15	-15	-18	-21	
60	-5	-2	-2	-2	-4	-6	-6	-5	-5	-6	550	-5	25	25	55	106	69	41	37	26	7	
70	-11	-11	-8	-4	-4	-7	-5	-3	-1	1	570	14	23	33	33	11	-3	-26	-35	-16	-3	
80	1	-1	-9	-3	0	-5	-9	-7	-5	-6	580	46	41	28	51	67	69	65	57	47	47	
90	-13	-9	-3	0	0	-5	-8	-11	-13	-13	590	-17	-17	-18	-9	15	29	27	10	0	5	
100	-2	1	0	-4	-7	-9	-9	-6	-8	-12	600	8	8	13	29	56	58	58	52	52	52	
110	-16	-19	-20	-17	-15	-13	-8	-2	3	0	610	51	43	32	28	31	31	28	18	-6	-1	
120	0	1	7	7	5	3	1	0	-3	-2	620	-94	-94	-92	-83	-69	-40	-7	-6	-6	-1	
130	5	19	22	15	0	-9	-11	-11	-11	-13	630	10	25	41	48	47	44	35	24	21	21	
140	-15	-15	-14	-13	-11	-10	-6	0	3	10	640	17	10	3	-7	-22	-27	-25	-27	-44	-61	
150	14	16	18	14	11	-1	-17	-17	-15	-16	650	-68	-73	-63	-39	-2	26	36	35	25	20	
160	-19	-20	-21	-16	-8	10	14	9	-20	-20	660	7	-2	-8	-14	-30	-42	-77	-27	32	39	
170	-13	3	9	4	-5	-12	-7	-2	-7	-16	670	50	45	49	59	57	39	9	-16	-29	-38	
180	-16	-6	4	0	-6	-10	-10	-7	-4	-3	680	-43	-38	-6	36	51	39	26	38	43	32	
190	14	9	1	-5	-10	-9	-11	-18	-23	-20	690	8	-12	-22	-14	0	-3	-16	-40	-46	-11	
200	-18	-11	-2	1	7	6	2	-3	0	4	700	19	27	21	17	7	1	-5	-22	-31	-33	
210	5	3	0	-2	-5	-6	-1	2	1	0	710	-19	53	66	32	18	-9	-15	-26	-41	-58	
220	-2	-5	-9	-13	-8	-3	3	6	6	0	720	-48	-38	-36	-35	-20	-19	20	46	45	32	
230	21	19	14	4	-3	-3	3	3	3	19	730	18	7	9	3	-9	-19	-33	-45	-45	-32	
240	0	7	16	21	19	17	8	-3	-13	-16	740	-12	-1	-13	-17	-6	-16	-24	-14	16	50	
250	-10	-4	0	-1	-10	-19	-21	-11	5	8	750	62	45	27	19	17	17	20	27	32	33	
260	4	1	0	1	2	-3	-9	-1	0	6	760	29	28	38	59	81	78	66	52	22	43	
270	7	2	-3	-7	-8	-9	-1	0	6	17	770	-75	-76	-79	-76	-74	-68	-67	-70	-59	-23	
280	18	15	12	8	0	-16	-13	-2	3	-2	780	-2	11	20	38	47	52	49	25	9	7	
290	12	5	6	6	6	6	6	3	3	3	790	8	13	18	15	9	0	-18	-43	-69	-60	
300	-11	-9	-7	-6	-5	-4	-1	1	3	4	800	-37	-28	-37	-48	-36	5	61	100	143	143	
310	-3	-9	-21	-19	-7	10	10	-1	-11	-16	810	50	32	14	18	18	-2	-34	-39	-24	14	
320	-8	-1	8	12	12	10	2	-3	-4	-3	820	-7	-9	-18	-23	-9	8	16	25	24	16	
330	-6	-7	-1	3	9	11	11	1	4	-8	830	13	11	-16	-37	-46	-30	-2	14	13	0	
340	-13	-20	-18	-15	-15	-13	-4	21	24	19	840	-9	-7	-8	-9	-9	-7	10	41	73	77	
350	6	-5	-9	-14	-20	-15	5	22	20	6	850	23	-44	-73	-74	-74	-74	-73	-66	-53	-31	
360	-8	-18	-17	-9	1	15	24	33	34	26	860	-12	0	20	36	52	89	109	114	97	64	
370	0	-12	-22	-24	-19	-3	0	3	-1	0	870	25	-1	-25	-37	-38	-34	-19	-3	0	-3	
380	2	9	12	20	25	32	18	0	1	10	880	-7	-1	-11	-44	-45	-6	34	56	62	62	
390	10	-7	-24	-26	-34	-37	-37	-37	-37	-37	890	67	49	15	-36	-79	-80	-73	-54	-20	2	
400	-32	-12	17	43	51	47	41	35	24	12	900	11	33	48	72	75	64	39	8	-27	-56	
410	4	1	8	17	29	48	54	49	42	31	910	-66	-47	-26	-19	-15	0	26	27	15	8	
420	21	-12	-32	-37	-43	-45	-46	-44	-39	-36	920	16	47	58	51	35	1	-58	-62	-61	-30	
430	-25	-13	-8	-23	-38	-42	-37	-29	-23	-6	930	-8	-1	-5	-6	-7	-16	-20	-6	21	44	
440	18	22	14	-2	6	24	53	69	57	39	940	43	38	35	25	19	20	17	-5	-33	-43	
450	26	19	14	8	-4	-7	-1	12	29	46	950	-46	-45	-32	3	35	40	31	-11	-27	-37	
460	45	34	20	17	23	25	24	33	21	18	960	0	21	22	-3	-30	-23	-11	-2	4	11	
470	11	0	-6	-6	-3	6	17	35	40	36	970	14	16	16	16	-7	-24	-31	-35	-37	-60	
480	28	20	2	-4	-14	-35	-42	-33	-26	-17	980	-41	-39	-33	-28	-19	9	46	55	44	14	
											990	-13	-12	-2	15	28	27	28	46	68	77	
											1000	74	75	75	66	40	8	-18	-7	20	21	
											1010	17	2	-13	-27	-29	-30	-15	-8	-14	-37	
											1020	-70	-90	-94	-86	-93	-85	-76	-70	-63	-36	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1210 NA1E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-10	-7	-33	-66	-87	-100	-103	-104	-97	-89
1040	-78	-64	-54	-37	-25	-34	-139	-139	-263	-345
1050	-383	-358	-315	-278	-237	-155	-52	-22	-20	-26
1060	-33	-26	27	142	230	300	369	385	421	444
1070	441	396	350	340	460	422	464	475	468	400
1080	308	214	127	47	-15	-89	-216	-352	-469	-506
1090	-501	-524	-545	-544	-495	-421	-322	-223	-158	-117
1100	-127	-150	-130	-87	63	172	204	195	191	205
1110	248	313	390	447	456	457	426	349	268	265
1120	192	110	12	-74	-188	-341	-502	-633	-705	-717
1130	-717	-719	-705	-657	-600	-670	-354	-242	-136	-44
1140	22	81	157	237	283	305	292	248	191	147
1150	144	171	308	243	252	247	237	226	225	231
1160	240	276	301	406	483	523	533	494	387	208
1170	58	19	-84	-39	-84	-131	-173	-267	-334	-366
1180	-406	-434	-466	-497	-539	-552	-511	-436	-382	-364
1190	-360	-382	-427	-497	-532	-594	-727	-815	-876	-902
1200	-926	-911	-846	-692	-516	-274	-29	73	85	98
1210	100	97	96	151	233	328	409	460	490	502
1220	505	503	504	509	516	514	484	440	410	399
1230	417	493	531	530	503	448	403	401	466	535
1240	557	498	321	134	58	24	-34	-67	-142	-249
1250	-257	-252	-252	-242	-237	-268	-339	-403	-553	-544
1260	-429	-266	-96	-5	12	6	-17	-56	-83	-82
1270	-96	-134	-169	-157	-89	9	180	306	307	291
1280	297	302	320	294	242	130	-125	64	20	-7
1290	-69	-171	-295	-463	-597	-581	-501	-614	-617	-540
1300	-468	-360	-221	-72	57	147	192	234	287	323
1310	413	368	360	406	464	541	620	617	611	604
1320	600	622	644	633	549	411	257	92	-65	-296
1330	-387	-451	-477	-478	-468	-458	-448	-435	-433	-448
1340	-493	-464	-360	-252	-222	-216	-226	-245	-263	-263
1350	-246	-232	-240	-239	-178	-46	72	225	452	660
1360	863	1090	1146	1143	1089	985	874	751	672	652
1370	598	475	384	282	207	118	37	-9	-59	-181
1380	-316	-459	-563	-649	-709	-629	-531	-440	-358	-328
1390	-323	-306	-283	-237	-142	-37	96	370	586	757
1400	747	640	517	359	153	-129	-360	-1027	-1187	-1270
1410	-1348	-1375	-1346	-1230	-1113	-857	-568	-279	-6	352
1420	660	1042	1171	1155	1094	969	844	668	494	360
1430	293	245	135	40	-39	-98	-110	-110	-114	-112
1440	-144	-232	-362	-600	-743	-797	-784	-742	-687	-622
1450	-527	-392	-210	-50	71	145	155	155	139	62
1460	19	-36	-80	-66	31	115	159	179	212	294
1470	370	411	453	495	497	434	347	245	161	108
1480	55	31	68	134	208	311	407	452	465	435
1490	316	168	14	-151	-338	-399	-443	-460	-445	-410
1500	-347	-271	-205	-94	16	10	-36	-40	-9	40
1510	48	-40	-186	-194	-144	-140	-243	-357	-431	-531
1520	-633	-629	-534	-609	-238	-23	213	522	687	699
1530	672	644	639	659	693	709	704	664	581	468
1540	368	365	402	435	364	274	174	9	-180	-283
1550	-376	-451	-467	-432	-445	-367	-272	-197	-90	-45
1560	-113	-211	-345	-545	-742	-807	-816	-765	-697	-731

TO BE CONTINUED

TO BE CONTINUED

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-77	-79	-77	-71	-66	-59	-55	-62	-103	-136
2120	-106	-80	92	147	189	213	195	156	145	145
2130	146	126	55	-58	-49	-111	-132	-118	-99	-79
2140	-66	-67	-74	-57	-49	-15	19	32	22	-37
2150	-132	-184	-204	-185	-158	-121	-79	-42	-16	3
2160	15	21	34	37	12	-31	-83	-159	-243	-247
2170	-150	-36	46	75	78	78	105	126	160	254
2180	299	287	270	216	151	113	100	74	51	30
2190	11	-19	-137	-221	-214	-163	-45	81	147	185
2200	217	248	253	241	206	139	93	74	72	95
2210	134	148	144	116	66	-15	-82	-111	-127	-136
2220	-151	-174	-245	-295	-307	-269	-221	-208	-199	-199
2230	-198	-210	-249	-320	-192	-121	-58	7	74	91
2240	78	68	57	43	39	48	88	108	94	53
2250	14	-14	-24	-23	-44	-76	-142	-150	-104	-50
2260	-32	-35	-48	-61	-69	-64	-37	15	69	73
2270	58	26	0	16	52	84	96	108	129	129
2280	103	53	13	3	10	8	6	17	53	88
2290	100	62	-5	-35	11	49	9	11	-99	-194
2300	-211	-177	-108	-62	-49	-34	-41	-32	-33	-38
2310	-40	-25	5	38	59	86	126	161	183	185
2320	184	178	163	140	113	68	20	5	9	24
2330	43	48	31	-20	-66	-74	-73	-73	-85	-113
2340	-139	-168	-183	-170	-144	-135	-134	-127	-122	-118
2350	-116	-131	-149	-153	-125	-88	-34	54	96	137
2360	200	250	275	262	210	163	95	82	55	18
2370	-46	-88	-109	-151	-206	-229	-229	-223	-203	-162
2380	-108	-53	-19	-7	24	55	75	100	124	160
2390	-67	-30	-11	-7	24	101	28	81	140	172
2400	214	229	230	217	180	101	28	87	140	172
2410	-83	-66	-2	29	19	0	37	89	140	172
2420	158	161	155	140	78	16	22	56	89	94
2430	90	85	78	49	-6	-31	-17	20	46	44
2440	51	67	79	71	54	42	36	27	-12	-83
2450	-122	-149	-149	-113	-61	-16	-8	-5	-17	-53
2460	-134	-166	-169	-156	-59	66	101	99	82	77
2470	67	-2	-80	-104	-111	-68	-37	-28	-20	-20
2480	-26	-27	-9	9	5	5	-14	1	38	85
2490	109	91	43	2	-14	-12	-40	-89	-119	-185
2500	-237	-266	-27	-259	-221	-131	-21	57	87	83
2510	64	23	-2	5	23	46	62	80	88	67
2520	20	-23	-110	-110	-74	-28	27	80	93	85
2530	63	21	-10	-11	24	95	133	156	158	133
2540	68	27	-3	-37	-83	-110	-142	-159	-154	-145
2550	-134	-131	-143	-154	-183	-218	-210	-155	-67	30
2560	84	98	91	69	44	28	9	30	30	72
2570	139	172	180	181	156	59	2	-48	-88	-140
2580	-204	-197	-189	-171	-183	-167	-123	-69	42	90
2590	101	114	110	95	89	63	52	57	82	103
2600	102	100	94	71	23	-42	-54	-60	-71	-80
2610	-75	-45	0	22	15	9	12	28	46	66
2620	74	72	65	49	36	33	30	14	-6	-31
2630	-86	-117	-139	-124	-97	-40	13	86	127	115
2640	301	42	-11	-18	-15	-12	-14	0	31	59

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1210 N41E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	7	-1	-12	-22	-15	-1	17	25	14	-14
3200	-52	-76	-83	-63	-15	26	57	53	43	17
3210	-22	-75	-120	-134	-120	-54	5	30	54	62
3220	60	52	42	37	13	14	43	104	164	164
3230	163	137	89	38	11	1	5	-33	-63	-75
3240	-65	-36	5	21	46	77	94	98	88	54
3250	-7	-50	-76	-84	-79	-73	-66	-78	-99	39
3260	-107	-103	-85	-45	6	59	87	84	53	32
3270	38	31	23	27	41	52	59	49	32	7
3280	-17	-38	-19	-43	-19	-8	23	16	-5	-21
3290	-28	-36	-43	-43	-39	-45	-73	-106	-123	-124
3300	-118	-107	-91	-76	-49	19	51	71	76	76
3310	49	55	46	40	40	40	51	67	84	83
3320	48	44	53	56	50	45	41	29	7	-10
3330	-17	-17	-8	0	10	14	20	25	40	71
3340	93	100	103	96	80	49	16	-11	-31	-42
3350	-52	-61	-80	-94	-97	-93	-88	-89	-94	-99
3360	-100	-75	-15	25	40	46	49	35	30	27
3370	-49	-50	-32	-14	-2	13	25	30	27	32
3380	43	45	32	-1	-29	-52	-53	-41	-26	-13
3396	-4	12	48	77	104	129	132	117	75	21
3400	-12	-31	-47	-57	-54	-42	-30	-24	-26	-28
3410	-32	-43	-71	-103	-118	-123	-121	-116	-94	-50
3420	-23	-9	1	4	0	-11	-18	-10	5	18
3430	31	30	29	35	39	30	2	-29	-51	-55
3440	-42	-6	26	48	53	50	40	17	-4	-13
3450	-17	-40	-82	-108	-134	-149	-143	-107	-69	0
3460	33	49	45	42	42	42	39	34	29	22
3470	7	-6	-6	8	30	39	39	36	31	26
3480	12	1	-17	-16	6	31	40	35	27	24
3490	17	15	16	13	10	11	15	20	14	-1
3500	-27	-49	-54	-67	-98	-143	-159	-169	-133	-73
3510	-11	31	50	50	46	44	42	39	41	54
3520	73	84	74	59	56	60	61	52	28	-3
3530	-42	-64	-68	-65	-62	-61	-56	-49	-64	-72
3540	-51	-60	-69	-61	-34	0	4	-2	-17	-53
3550	-69	-59	-59	-42	135	106	93	85	61	71
3560	104	120	135	135	123	106	93	85	61	71
3570	51	14	-19	-30	-36	-29	-16	-6	-11	-20
3580	-25	-5	39	79	93	81	33	-12	-54	-86
3590	-97	-100	-92	-59	-38	-16	-9	-14	-24	-34
3600	-52	-56	-49	-39	-37	-52	-68	-72	-50	7
3610	20	47	52	48	35	6	-14	-32	-48	-57
3620	-50	-42	-41	-48	-53	-50	-40	-30	-15	10
3630	34	44	41	22	7	-12	-17	-22	-18	-18
3640	-7	16	39	55	63	69	63	58	45	38
3650	37	41	41	38	31	21	4	-19	-27	-37
3660	-34	-22	-9	0	-9	-17	-24	-28	-31	-30
3670	-30	-25	-19	-7	25	47	48	24	-14	-43
3680	-69	-55	-61	-65	-58	-28	0	13	24	31
3696	37	44	57	78	89	83	73	66	69	80
3700	85	73	27	-7	-30	-16	-6	3	10	11
3710	8	7	0	-10	-19	-27	-39	-46	-52	-57
3720	-63	-61	-49	-34	-27	-52	-38	-45	-50	-46
3730	-63	-61	-49	-34	-27	-52	-38	-45	-50	-46

TO BE CONTINUED

CONTINUED(S-1210 N41E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3730	-13	36	64	75	88	59	44	3	-28	-44
3740	-51	-58	-62	-58	-44	-6	-6	53	63	63
3750	55	41	22	7	2	5	15	33	47	46
3760	27	11	6	2	-1	-3	-8	-18	-20	-20
3770	-14	-9	-6	-10	-15	-32	-44	-45	-32	-24
3780	-18	-13	8	-10	-16	-26	-38	-44	-42	-31
3790	-67	-2	1	-6	-17	-18	-11	-6	-3	-3
3800	5	-10	-15	-14	-1	37	85	111	119	109
3810	54	-4	-40	-60	-66	5	9	-42	-16	5
3820	34	32	25	12	6	5	9	-6	-31	1
3830	-45	-56	-44	-23	45	1	26	37	39	38
3840	34	28	22	19	23	27	25	17	11	8
3850	11	15	12	0	-12	-23	-36	-48	-49	-29
3860	13	3	57	77	86	85	64	46	29	20
3870	13	7	2	-18	-41	-73	-82	-89	-77	-71
3880	-61	-52	-34	-13	4	22	36	57	74	87
3890	86	90	93	100	97	81	56	36	19	10
3900	3	1	6	8	12	17	18	13	7	5
3910	-3	-10	-10	0	-8	-8	-14	-24	-29	-23
3920	-12	1	7	0	-18	-37	-20	-42	-6	-13
3930	-39	-62	-66	-66	-57	-55	-51	-41	-32	-12
3940	1	9	-1	-4	-5	2	2	1	-18	-41
3950	-58	-65	-66	-66	-54	-34	-25	-16	-16	-24
3960	-36	-43	-41	-35	-27	-15	-5	0	2	4
3970	8	8	5	0	-6	-20	-41	-58	-67	-51
3980	-31	-44	-33	-21	-5	9	20	29	30	28
4000	18	9	4	-9	-24	-28	-17	3	27	48
4010	64	74	81	80	75	72	73	66	55	51
4020	53	59	62	56	47	39	34	30	25	21
4030	19	17	15	20	34	45	34	4	-28	-54
4040	-71	-84	-77	-55	-20	11	38	46	55	51
4050	41	25	6	-4	-16	-21	-15	-9	-8	-15
4060	-24	-37	-41	-40	-46	-49	-43	-23	1	30
4070	41	44	41	40	45	51	44	44	35	25
4080	13	13	26	46	55	42	21	-6	-30	-48
4090	-47	-26	7	39	53	46	28	11	9	-16
4100	-14	-12	-5	-8	-6	0	8	15	21	21
4110	25	25	27	14	4	-13	-23	-32	-33	-26
4120	-12	-4	0	-3	-9	-13	-14	-13	-10	-5
4130	4	2	5	5	0	-5	-8	-5	0	8
4140	23	40	42	32	21	15	5	-9	-79	-79
4150	-80	-72	-57	-46	-38	-27	-2	13	18	13
4160	4	-6	-20	-37	-51	-64	-73	-79	-80	-80
4170	-44	-3	38	51	54	55	57	59	63	65
4180	72	78	80	83	89	95	99	91	74	53
4190	31	6	15	-23	-25	-23	-20	-17	-16	-14
4200	-12	7	-2	0	0	5	13	22	28	38
4210	42	36	26	11	-4	-37	-57	-75	-84	-84
4220	-82	-77	-76	-78	-75	-68	-62	-56	-49	-35
4230	-13	5	21	36	51	59	49	26	-7	7
4240	-47	-77	-81	-66	-45	-31	-32	-30	-32	-30
4250	-22	-13	0	16	25	32	33	32	34	44
4260	55	61	57	47	34	19	2	2	-16	-16

TO BE CONTINUED

CONTINUED(S-1210 N41E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-45	-71	-84	-88	-78	-59	-47	-41	-49	-53
4280	-83	-69	-67	-59	-33	-2	27	33	41	47
4290	53	59	65	75	83	74	58	43	28	19
4300	15	16	17	12	3	-2	-2	2	12	11
4310	3	-6	-23	-36	-37	-31	-30	-35	-42	-48
4320	-54	-64	-70	-64	-52	-40	-31	-24	-16	23
4330	36	28	18	12	21	25	30	32	29	27
4340	30	35	35	28	23	23	28	39	49	50
4350	44	38	35	32	31	25	14	2	-9	-15
4360	-9	0	-6	-19	-26	-23	-9	-9	8	19
4370	25	26	23	18	15	14	10	0	-12	-22
4380	-30	-29	-21	-12	-1	0	-13	-32	-42	-49
4390	-35	-17	1	14	23	32	26	21	13	4
4400	1	2	17	37	39	33	22	11	1	-2
4410	-1	-3	-6	-9	-13	-20	-29	-33	-32	-28
4420	-25	-16	-10	-12	-11	-7	-4	7	24	33
4430	29	24	21	17	1	-14	-26	-34	-38	-32
4440	-18	6	2	6	7	5	6	5	6	13
4450	15	5	-8	-18	-26	-33	-36	-36	-27	-22
4460	-22	-32	-41	-48	-51	-46	-32	-7	23	49
4470	58	54	41	29	20	16	21	31	40	45
4480	41	28	10	-18	-41	-61	-73	-70	-52	-27
4490	-1	26	39	36	35	32	36	34	27	18
4500	8	-8	-23	-26	-29	-15	1	22	26	14
4510	-15	-30	-41	-52	-53	-47	-39	-32	-26	-19
4520	-10	-3	-6	-12	-20	-28	-37	-44	-43	-28
4530	-6	18	30	19	4	-1	-6	-5	6	16
4540	25	31	26	12	3	-5	-10	-7	2	16
4550	31	30	26	21	21	18	13	7	4	1
4560	0	2	8	16	22	7	-4	-24	-42	-55
4570	-59	-59	-54	-46	-34	-12	20	40	63	70
4580	64	52	35	23	18	12	7	4	2	3
4590	2	-2	-7	-12	-11	-6	-8	-10	-5	-3
4600	-2	-12	-17	-12	0	16	25	20	15	10
4610	3	2	-3	-10	-19	-28	-22	-21	-17	-11
4620	-6	-5	-15	-20	-23	-22	-11	-2	8	15
4630	10	6	6	8	16	19	14	6	-2	-13
4640	-21	-26	-27	-19	-6	8	21	29	33	30
4650	21	9	-5	-17	-21	-17	-9	8	26	38
4660	48	56	63	62	46	16	-1	-16	-30	-41
4670	-50	-40	-68	-73	-61	-51	-33	-20	-17	-24
4680	-32	-33	-15	14	22	16	8	1	-3	-2
4690	3	7	12	19	26	31	28	22	19	17
4700	20	22	16	8	3	0	-2	0	6	16
4710	26	32	31	23	28	35	42	43	36	27
4720	18	13	19	31	37	40	50	52	40	30
4730	26	21	24	16	9	1	4	11	15	5
4740	-9	-20	-28	-40	-52	-56	-53	-47	-39	-33
4750	-29	-29	-30	-28	-19	-8	2	12	10	0
4760	-10	-22	-30	-27	-14	-1	8	18	28	26
4770	22	21	25	17	11	-3	-20	-37	-32	-27
4780	-20	-26	-34	-35	-30	-23	-23	-19	-13	-6
4790	-6	-8	1	5	7	8	10	13	20	27
4800	19	5	-4	-13	-21	-24	-17	-8	1	9

TO BE CONTINUED

CONTINUED(S-1210 N41E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4810	6	-5	-16	-22	-25	-18	-8	2	22	39
4820	50	55	53	52	54	60	63	56	44	28
4830	-1	-2	-10	-13	-16	-21	-28	-32	-30	-23
4840	7	-2	3	11	15	15	32	36	50	52
4850	43	29	18	7	-5	-15	-20	-18	-14	-8
4860	-1	7	13	16	15	9	1	-3	-8	-13
4870	-17	-20	-17	-9	0	8	9	9	11	12
4880	10	9	10	11	8	4	0	-5	-11	-15
4890	-16	-16	-16	-15	-18	-21	-25	-25	-21	-19
4900	-15	-12	-16	-21	-26	-20	-16	-8	-6	-7
4910	-10	-7	-4	-2	0	-6	-10	-11	-4	2
4920	9	18	17	15	20	25	29	31	28	26
4930	22	17	12	8	8	11	15	18	15	10
4940	5	3	7	6	-3	-10	-13	-32	-48	-54
4950	-59	-59	-52	-52	-29	-17	-10	-1	-1	1
4960	9	11	13	19	19	15	11	8	2	0
4970	-6	-10	-12	-14	-16	-19	-18	-14	-8	-2
4980	5	13	15	13	8	0	-12	-25	-28	-23
4990	-18	-15	-9	0	13	28	40	46	46	48
5000	48	43	39	36	38	37	30	24	16	11
5010	5	-3	-8	-12	-9	-11	-15	-20	-21	-19
5020	-14	1	21	33	37	30	24	18	13	10
5030	7	3	-3	-10	-11	-5	1	5	10	15
5040	19	20	14	8	6	7	10	14	12	5
5050	0	-7	-14	-17	-8	4	14	23	25	21
5060	14	10	-1	-9	-20	-16	-23	-30	-34	-28
5070	-18	-2	13	31	45	46	49	53	53	48
5080	42	38	35	34	30	26	20	10	3	0
5090	0	-4	-13	-20	-25	-29	-28	-26	-26	-24
5100	-25	-22	-16	-13	-15	-18	-20	-23	-31	-34
5110	-31	-27	-23	-17	-11	0	9	14	14	9
5120	2	-5	-15	-26	-36	-40	-42	-37	-26	-16
5130	-6	4	20	34	42	38	28	19	14	14
5140	15	9	3	-3	-12	-20	-18	-9	4	22
5150	29	24	9	-4	-15	-25	-30	-37	-44	-42
5160	-42	-38	-34	-33	-35	-37	-34	-26	-9	10
5170	22	33	31	24	22	25	25	19	10	0
5180	-15	-21	-21	-4	0	8	16	26	34	41
5190	36	29	22	15	9	4	-2	-2	-14	-1
5200	-24	-33	-39	-39	-30	-21	-11	-3	-2	1
5210	9	18	28	39	41	35	26	16	10	7
5220	11	18	21	20	15	10	9	7	5	5
5230	1	0	-2	0	2	6	2	-7	-18	-25
5240	-32	-34	-34	-26	-31	-33	-29	-33	-24	-30
5250	-29	-23	-7	2	20	31	40	40	29	18
5260	7	0	-1	-4	-9	-12	-11	-7	-1	-1
5270	4	12	22	29	32	26	17	6	-6	-16
5280	-23	-28	-31	-32	-36	-42	-54	-67	-78	-84
5290	-88	-82	-68	-54	-30	-14	-5	0	2	14
5300	15	14	9	4	0	-3	-5	-7	-7	6
5310	0	6	12	17	22	25	30	33	31	26
5320	21	17	13	7	0	-5	-13	-19	-23	-25
5330	-22	-16	-9	-2	-2	-5	-7	-6	1	10
5340	20	31	36	34	25	12	1	-13	-17	-12

TO BE CONTINUED

No.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	-17	-10	-9	-4	7	22	30	39	50	53
5360	55	53	51	50	47	40	31	22	16	14
5370	15	13	7	0	-9	-17	-17	-11	-4	1
5380	1	-4	-14	-23	-26	-26	-22	-14	-8	-5
5390	-8	-14	-19	-25	-30	-30	-25	-15	-7	-2
5400	10	11	7	6	6	6	7	8	14	20
5410	21	15	5	-3	-11	-22	-32	-41	-45	-39
5420	-33	-25	-18	-12	-6	2	6	6	2	1
5430	3	6	10	7	0	-6	-9	-9	-6	4
5440	13	22	30	29	25	23	22	20	16	16
5450	12	9	1	-7	-14	-27	-33	-35	-41	-44
5460	-16	-48	-45	-42	-43	-43	-41	-37	-34	-23
5470	-9	2	12	22	26	28	25	22	21	17
5480	17	17	15	14	10	5	0	-5	-7	-7
5490	-8	-13	-18	-22	-22	-17	-8	1	11	27
5500	37	38	37	34	30	26	21	18	13	6
5510	0	-3	-3	2	6	11	16	13	10	8
5520	8	9	12	14	17	17	13	6	3	-1
5530	-3	-6	-8	-4	2	8	14	17	16	12
5540	8	3	1	3	8	9	7	2	-2	-6
5550	-10	-12	-13	-11	-6	4	14	20	25	28
5560	30	28	28	29	31	33	34	32	25	18
5570	12	7	2	0	0	3	4	1	-4	-8
5580	-14	-22	-31	-35	-38	-33	-27	-14	-3	4
5590	2	-1	-1	0	0	-2	-5	-9	-12	-11
5600	-9	-9	-7	-4	0	4	9	12	10	6
5610	0	-3	-3	0	3	7	11	18	26	26
5620	18	11	4	-6	-17	-26	-28	-28	-26	-22
5630	-17	-8	0	5	8	11	8	12	17	13
5640	8	2	-1	-4	-7	-5	-4	0	5	6
5650	7	7	6	12	13	14	13	13	19	26
5660	33	40	43	43	42	37	31	33	33	32
5670	30	27	23	16	9	0	-11	-16	-13	-3
5680	3	10	13	18	23	19	15	11	6	4
5690	0	1	6	10	12	8	5	1	-6	-9
5700	-12	-15	-18	-17	-17	-22	-25	-29	-31	-32
5710	-29	-24	-21	-20	-19	-20	-19	-16	-13	-5
5720	2	10	18	20	17	10	1	-5	-12	-20
5730	-22	-21	-18	-16	-16	-16	-14	-12	-5	5
5740	12	14	13	11	7	6	5	3	0	3
5750	7	8	3	0	-3	-4	-1	4	7	5
5760	3	2	2	0	-2	-3	-4	-1	-1	-1
5770	-2	-2	-1	0	1	1	0	-2	-6	-9
5780	-11	-10	-8	-6	-2	-1	0	3	6	9
5790	13	13	10	6	2	2	7	15	20	21

END

RECORD = S-1210 COMPONENT = E41S STATION = OFUNATO-BOCHI-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 5800
 SIGNAL = GR-ACC. SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 CONNECTION POINT IN DATA NUMBER = 2843, 5800,

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-9	-10	-10	-10	-10	-10	-10	-10	-10	-10
10	-9	-10	-10	-9	-9	-9	-9	-9	-9	-9
20	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
30	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
40	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
50	-10	-10	-10	-11	-11	-11	-11	-11	-11	-11
60	-11	-11	-10	-10	-10	-10	-10	-10	-10	-10
70	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
80	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
90	-10	-10	-10	-11	-11	-11	-11	-11	-11	-11
100	-21	-22	-24	-24	-24	-24	-24	-24	-24	-24
110	-54	-59	-59	-57	-56	-56	-56	-56	-56	-56
120	-20	-18	-15	-13	-14	-13	-10	-7	-8	-8
130	-8	-9	-9	-8	-8	-8	-8	-8	-8	-8
140	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
150	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
160	-7	-8	-8	-8	-7	-8	-8	-8	-8	-8
170	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
180	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
190	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
200	-9	-8	-8	-8	-8	-8	-8	-8	-8	-8
210	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
220	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
230	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
240	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
250	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
260	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
270	-8	-8	-8	-9	-9	-9	-9	-9	-9	-9
280	-9	-8	-9	-11	-11	-11	-11	-10	-6	-5
290	-5	-4	-4	-4	-5	-5	-5	-5	-5	-5
300	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
310	-2	-1	-1	-1	-1	0	0	0	0	1
320	0	0	0	0	0	0	0	0	0	0
330	1	1	1	1	1	1	1	1	1	1
340	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3
350	42	42	42	42	42	42	42	42	42	42
360	35	35	35	35	35	35	35	35	35	35
370	21	20	19	18	18	19	19	24	24	24
380	21	14	11	10	10	10	7	-2	-10	-13
390	-13	-12	-3	7	14	20	20	20	19	7
400	17	16	16	17	18	20	18	11	7	7
410	7	7	7	7	6	1	1	-2	-3	-4
420	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5
430	48	49	49	49	49	46	41	36	36	36
440	36	37	34	21	6	1	1	1	1	1
450	0	0	-3	-3	-3	-3	-3	-3	-5	-5
460	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
470	-10	-12	-9	-2	2	3	5	0	-3	-3
480	-3	-4	-4	-4	20	43	64	73	74	73

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1210 E41S)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-69	-80	-81	-76	-70	-72	-75	-77	-78	-78
1040	-78	-78	-78	-77	-70	-42	9	71	131	185
1050	213	221	204	149	84	-4	-23	-28	-27	-27
1060	-28	-83	-115	-131	-132	-126	-87	-43	-5	16
1070	25	32	57	92	99	101	109	146	204	285
1080	371	438	464	460	371	233	1	-186	-246	-252
1090	-215	-176	-114	-73	-68	-95	-206	-333	-444	-453
1100	-440	-378	-260	-147	0	149	302	420	491	439
1110	276	75	61	105	183	250	255	225	177	121
1120	71	-48	-213	-288	-607	-636	-485	-502	-518	-520
1130	-522	-500	-439	-344	-236	-131	-35	62	165	258
1140	342	379	398	407	395	348	262	74	-77	-126
1150	-125	-98	-90	-76	-66	-63	-81	-36	-10	13
1160	48	108	138	187	185	159	82	33	-76	-98
1170	-93	-100	-117	-221	-349	-546	-760	-799	-784	-750
1180	-706	-675	-639	-546	-467	-374	-287	-237	-225	-243
1190	-265	-267	-247	-219	-174	-94	24	151	246	314
1200	358	351	334	250	203	127	-1	-373	-534	-730
1210	-743	-749	-690	-584	-444	-267	-137	2	217	350
1220	477	637	721	861	953	996	993	959	683	381
1230	82	-52	-66	-31	23	92	168	242	276	279
1240	267	272	307	363	408	405	203	-68	-212	-224
1250	-123	22	192	305	390	410	333	201	96	121
1260	203	241	247	234	81	-147	-274	-288	-290	-277
1270	-250	-194	-125	-27	36	82	70	25	-104	-141
1280	-101	-66	-86	-293	-529	-548	-687	-400	-311	-247
1290	-251	-337	-456	-468	-407	-308	-224	-191	-195	-202
1300	-198	-180	-175	-184	-172	-100	-9	51	140	195
1310	206	156	74	34	92	211	386	466	570	660
1320	733	819	899	935	946	911	770	455	140	94
1330	126	185	292	254	-589	-1056	-978	-841	-697	-481
1340	-263	-60	146	298	437	512	541	542	493	399
1350	288	185	97	136	288	446	567	676	817	939
1360	1088	1193	1260	1279	1054	798	540	281	85	-32
1370	-162	-354	-502	-529	-503	-465	-461	-830	-1182	-1177
1380	-1045	-883	-702	-511	-311	-220	-129	-106	-296	-589
1390	-784	-825	-768	-615	-454	-283	-86	79	214	372
1400	556	665	756	799	531	9	-303	-196	-63	64
1410	150	82	-271	-356	-282	-182	-75	42	155	257
1420	248	37	-228	-307	-297	-258	-212	-180	-226	-644
1430	-1030	-993	-886	-744	-597	-446	-277	-152	-149	-270
1440	-423	-461	-345	-156	58	259	431	602	772	879
1450	936	935	938	982	940	777	588	111	-708	-1159
1460	-1255	-1187	-1036	-884	-698	-480	-258	-24	206	433
1470	669	845	1066	1261	1430	1553	1611	1451	1277	1100
1480	897	673	460	275	163	160	198	226	238	208
1490	121	2	-139	-276	-394	-569	-802	-865	-843	-774
1500	-672	-567	-476	-397	-314	-227	-114	-35	20	54
1510	81	66	31	133	233	314	446	626	766	862
1520	789	596	63	862	862	702	-508	-308	-145	75
1530	301	469	594	753	904	977	1025	497	386	397
1540	-215	-256	-348	-301	-254	-233	-221	-212	-201	-190
1550	168	-142	-137	-221	-279	-351	-350	-295	-262	-254
1560	-771	-1163	-1186	-1060	-918	-755	-561	-391	-260	-142

TO BE CONTINUED

CONTINUED(S-1210 E41S)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1570	-87	-50	-29	4	132	226	360	470	581	615
1580	595	288	24	-40	-36	24	91	136	159	145
1590	139	185	302	444	512	578	477	-23	-584	-692
1600	-794	-828	-829	-787	-641	-501	-411	-217	-98	19
1610	150	260	272	99	-5	-43	-44	-31	-55	-194
1620	-312	-325	-198	-69	129	274	448	598	700	769
1630	476	-316	-598	-504	-350	-186	-57	112	237	319
1640	306	68	-242	-295	-281	-202	-113	44	48	159
1650	275	358	400	418	403	318	196	124	128	213
1660	321	402	482	561	563	496	357	-372	-602	-633
1670	-593	-495	-360	-307	-277	-350	-628	-812	-853	-839
1680	-771	-660	-544	-435	-317	-169	-49	29	152	229
1690	300	318	315	281	87	-230	-245	-164	-29	38
1700	98	168	188	179	155	95	5	-42	-37	-15
1710	17	71	133	178	196	170	88	11	24	24
1720	66	168	244	292	324	273	206	78	-11	-7
1730	35	51	-256	-441	-463	-359	-154	-142	-97	-49
1740	-51	-256	-441	-463	-359	-184	17	151	286	407
1750	452	215	-124	-266	-214	-121	-30	-13	-101	-351
1760	-459	-430	-364	-307	-243	-161	-88	-5	113	229
1770	354	466	505	495	437	280	102	-59	-126	-122
1780	-99	-99	-214	-419	-482	-481	-427	-335	-238	-159
1790	23	145	177	166	57	-39	-24	111	197	269
1800	340	385	392	378	354	338	324	297	223	100
1810	5	-52	-108	-135	-123	-89	-57	-42	-43	-47
1820	-47	-47	-69	-121	-211	-268	-238	-180	-96	-8
1830	37	53	76	93	145	182	200	200	42	-132
1840	-175	-173	-138	-70	39	126	170	171	36	-277
1850	-386	-525	-668	-684	-561	-456	-399	-259	-186	-24
1860	-283	-276	-213	-117	112	111	142	183	213	252
1870	316	379	427	437	412	302	208	141	64	-20
1880	-106	-157	-159	-128	-97	-55	-7	41	97	137
1890	146	54	-41	-128	-154	-155	-170	-279	-351	-363
1900	-290	-221	-135	-84	2	137	172	233	305	322
1910	300	246	173	105	95	93	107	146	200	254
1920	283	270	207	109	48	-397	-397	-433	-355	-355
1930	-244	-99	42	184	291	344	380	344	-34	-366
1940	-462	-443	-434	-461	-457	-420	-317	-175	-54	7
1950	52	71	62	58	57	70	73	92	121	182
1960	223	222	202	183	184	200	219	223	201	137
1970	88	68	64	37	-12	-119	-272	-378	-480	-576
1980	-593	-581	-514	-365	-222	-83	50	179	314	371
1990	377	305	195	69	-44	-113	-116	-81	-6	83
2000	132	116	95	-9	43	49	-10	-158	-309	-357
2010	-63	-55	-9	43	49	-10	-158	-309	-357	-373
2020	-256	-168	-66	-46	105	231	272	295	241	191
2030	58	167	270	288	276	224	125	-11	58	125
2040	186	218	218	218	218	218	218	218	218	218
2050	180	157	107	55	-90	-294	-341	-336	-311	-232
2060	-432	-308	-189	-83	10	96	156	202	215	239
2070	256	312	316	289	179	47	109	-102	-45	24
2080	89	55	9	-205	-271	-352	-176	-83	35	153
2090	215	237	177	-3	-283	-390	-381	-352	-293	-223
2100	-154	-81	0	78	123	132	125	140	212	301

TO BE CONTINUED

CONTINUED(S-1210 E41S)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	408	498	577	559	476	299	-6	-435	-548	-557	2650	114	130	131	101	49	-12	-109	-237	-288	-274
2120	-515	-621	-350	-216	-50	50	86	73	45	52	2660	-261	-250	-224	-204	-188	-197	-197	-197	-197	-197
2130	78	89	82	32	-61	-119	-130	-85	29	127	2670	-175	-123	-59	-4	22	27	28	28	20	-10
2140	162	264	300	249	78	-210	-338	-345	-309	-248	2680	-51	85	-85	-58	6	91	181	243	243	215
2150	-169	-79	12	74	88	71	29	-22	-56	-54	2690	114	17	-33	-27	-53	-167	-236	-249	-290	-290
2160	-2	79	163	227	219	148	55	-50	-102	-100	2700	-160	-70	2	94	174	231	290	336	364	351
2170	-83	-23	44	82	133	168	226	246	257	242	2710	307	249	212	211	197	151	59	-43	-70	-42
2180	181	94	-38	-126	-115	-59	-7	1	-55	-126	2720	28	107	165	187	163	59	-46	-161	-145	-110
2190	-226	-222	-197	-163	-124	-94	-88	-106	-147	-272	2730	-61	17	16	29	12	-16	-42	-62	-70	-83
2200	-377	-409	-385	-345	-281	-193	-86	18	59	61	2740	-108	-123	-124	-125	-134	-148	-150	-150	-139	-120
2210	573	14	-40	-84	-167	-234	-266	-258	-251	-217	2750	-112	-119	-133	-110	-64	-3	68	118	106	78
2220	-170	-142	-116	-65	-9	31	99	184	290	403	2760	-58	-157	-190	-172	-140	-79	-11	58	86	74
2230	468	444	360	263	-236	-268	-205	-59	30	119	2770	22	-93	-197	-162	-106	-56	-32	-32	-43	-43
2240	196	287	353	406	426	417	334	100	-435	-499	2780	-67	-98	-107	-76	-22	24	44	43	21	3
2250	-468	-384	-271	-162	-74	-16	18	56	93	140	2790	-2	-3	-3	-16	-96	-208	-239	-205	-146	-54
2260	178	203	152	15	-87	-115	-108	-93	-83	-73	2800	93	212	268	309	310	290	276	131	75	-6
2270	-19	77	153	180	171	109	20	-40	-46	-26	2810	-74	-172	-255	-250	-229	-186	-127	-60	-13	0
2280	-5	8	22	27	-3	-64	-92	-39	50	170	2820	1	0	7	52	114	165	197	193	156	107
2290	306	403	392	303	46	-23	4	44	94	121	2830	80	65	36	-2	-32	-23	11	43	62	66
2300	118	54	-13	-114	-148	-169	-119	-46	0	-1	2840	62	51	30	1	8	4	-4	-27	-62	-81
2310	-41	-116	-128	-96	-40	5	-5	-43	-63	-4	2850	-86	-82	-73	-59	-26	7	24	17	-5	-38
2320	111	207	267	290	257	114	-117	-352	-390	-347	2860	-55	-60	-52	-4	-42	-32	-8	19	43	62
2330	-283	-216	-186	-211	-284	-366	-384	-342	-280	-215	2870	76	68	44	9	-21	-26	-25	-34	-42	-52
2340	-448	-89	-14	20	38	47	48	50	58	48	2880	-48	-28	-12	3	21	36	20	-5	-21	-21
2350	-2	-13	-19	0	31	81	133	189	228	212	2890	-5	24	46	54	49	48	45	34	8	30
2360	157	90	59	68	68	68	67	75	103	172	2900	-65	-96	-125	-154	-192	-204	-194	-164	-126	-87
2370	234	304	347	333	275	145	-47	-149	-122	-65	2910	-60	-55	-56	-52	-45	-40	-52	-87	-117	-112
2380	29	132	-38	20	86	123	149	154	133	91	2920	48	31	25	33	31	18	-7	-32	-31	113
2390	-123	-38	20	86	123	149	154	133	91	66	2930	-17	-13	-50	-87	-103	-94	-81	-65	-45	-25
2400	62	62	62	62	2	-63	-185	-261	-276	-245	2940	1	39	78	110	108	82	57	54	54	47
2410	-180	-95	27	128	287	322	374	373	305	189	2950	1	29	78	110	108	82	57	54	54	47
2420	-18	-296	-541	-579	-566	-466	-346	-232	-134	-52	2960	39	24	10	0	2	23	60	85	106	90
2430	-22	-11	-12	-15	-16	-2	39	86	125	160	2970	51	-9	-172	-254	-245	-192	-104	-37	36	106
2440	184	178	142	80	29	20	31	35	34	10	2980	143	165	119	40	29	17	1	-44	-112	-189
2450	-117	-265	-319	-290	-232	-172	-85	-109	-98	-73	2990	-233	-222	-188	-138	-114	-112	-93	-51	-4	29
2460	82	63	54	53	45	14	-53	-109	-98	-73	3000	52	59	59	70	89	118	155	183	169	118
2470	-30	-15	-35	-81	-124	-144	-139	-122	-85	-38	3010	34	-93	-175	-187	-173	-148	-114	-61	-7	56
2480	-8	0	4	-6	-65	-172	-272	-265	-184	-69	3020	110	151	133	83	14	-47	-66	-62	-48	-44
2490	40	107	121	105	63	22	25	40	64	107	3030	-41	-21	43	73	98	109	78	46	34	32
2500	149	156	141	116	78	58	55	54	54	43	3040	29	21	-5	-34	-48	-51	-35	0	-42	69
2510	-13	-140	-290	-349	-303	-210	-119	-36	1	21	3050	78	34	-32	-88	-98	-84	-66	-41	-10	24
2520	47	89	123	132	113	56	-29	-29	-9	-1	3060	56	77	96	97	86	80	76	68	44	12
2530	-25	-60	-96	-120	-91	-61	-10	35	73	72	3070	-30	-75	-87	-74	-39	15	54	56	41	29
2540	28	-69	-143	-158	-143	-111	-69	-18	42	111	3080	34	49	67	54	25	-1	-25	-28	-30	-31
2550	171	203	194	134	2	-101	-94	-44	39	132	3090	-31	-32	-32	-31	-31	-26	-18	-7	20	54
2560	210	239	235	208	167	133	124	97	25	116	3100	67	39	-65	-225	-284	-242	-167	-108	-38	27
2570	-195	-184	-115	-18	68	115	132	124	39	-52	3110	67	69	60	61	76	103	135	155	156	137
2580	-102	-111	-111	-111	-100	-58	-17	-15	-7	-41	3120	111	96	98	95	77	60	46	37	33	25
2590	-37	-106	-39	-26	-18	-18	-34	-72	-129	-159	3130	9	-12	-26	-33	-31	-34	-41	-48	-49	-50
2600	-137	-102	-80	-64	-82	-126	-198	-256	-270	-248	3140	-47	-33	0	13	-13	-77	-89	-80	-69	-53
2610	-212	-173	-132	-102	-90	-89	-86	-71	-24	61	3150	-100	-146	-155	-126	-89	-39	8	77	108	113
2620	139	193	224	240	236	211	182	146	134	119	3160	88	68	56	61	56	38	15	-1	-3	6
2630	105	82	60	-17	-77	-75	-33	-27	106	107	3170	17	21	12	0	-21	-60	-97	-125	-131	-119
2640	99	43	-78	-187	-191	-162	-114	-60	-6	50	3180	-93	-52	-14	30	57	15	-89	-201	-236	-214

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1210 E415)

CONTINUED(S-1210 E415)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
3190	-167	-84	-13	58	99	135	156	180	169	153											
3200	128	96	84	87	114	149	190	212	175	112											
3210	40	-4	-11	-15	-10	-6	-4	-7	-19	-30											
3220	-49	-57	-59	-47	-36	-21	-9	-18	-40	-40											
3230	-83	-70	-79	-82	-81	-83	-89	-101	-112	-105											
3240	-83	-38	18	68	99	81	70	55	52	46											
3250	36	27	32	35	29	18	-18	-62	-61	-63											
3260	-49	-24	-24	-80	-145	-199	-217	-197	-170	-137											
3270	-74	-35	4	20	28	37	66	160	77	86											
3280	117	120	102	79	74	84	96	113	122	121											
3290	119	115	112	101	75	45	13	-30	-87	-146											
3300	-170	-180	-119	-63	-2	65	133	190	227	247											
3310	225	152	111	55	15	-1	-25	-38	-48	-52											
3320	43	-38	-22	-5	11	22	30	33	43	51											
3330	330	46	25	-23	-62	-62	-69	-76	-81	-81											
3340	-69	-57	-53	-58	-69	-73	-64	-47	-28	-41											
3350	4	25	57	94	121	120	104	70	63	33											
3360	32	32	32	26	1	-39	-95	-144	-159	-170											
3370	-163	-150	-133	-124	-109	-88	-50	-13	22	31											
3380	5	-21	-41	-44	-27	0	44	101	148	177											
3390	175	142	75	15	-14	-50	-78	-92	-103	-101											
3400	-73	-32	10	62	121	156	147	116	90	89											
3410	104	119	113	78	16	43	-72	-71	-43	-2											
3420	44	81	79	57	23	-22	-86	-128	-142	-159											
3430	-155	-144	-125	-166	-158	-144	-97	-8	25	74											
3440	120	192	217	199	154	90	45	39	32	17											
3450	-4	-19	-28	-28	-27	-26	-27	-26	-28	-28											
3460	-26	-21	-13	-3	5	9	12	12	9	1											
3470	-14	-22	-24	-22	-13	-3	15	38	62	79											
3480	70	32	-21	-59	-52	-4	40	80	90	87											
3490	85	80	72	59	41	34	41	56	74	86											
3500	67	23	-24	-39	-29	-19	-13	-11	-8	-1											
3510	0	-2	-9	-14	-6	7	34	60	55	16											
3520	-34	-64	-61	-39	-10	0	-5	-10	-11	-10											
3530	-7	-5	-9	-19	-32	-53	-60	-54	-52	-51											
3540	-51	-51	-49	-45	-4	-38	-30	-24	-14	-10											
3550	-9	-4	-3	4	18	33	52	77	88	75											
3560	41	-39	-137	-195	-170	-111	-56	-13	10	3											
3570	-27	-50	-66	-66	-77	-73	-58	-35	-40	12											
3580	59	76	92	86	68	43	32	30	36	39											
3590	31	13	-24	-86	-140	-146	-120	-94	-70	-47											
3600	0	20	14	8	6	12	28	53	71	63											
3610	19	-42	-77	-79	-57	-23	5	33	60	80											
3620	93	84	66	33	4	1	-8	-24	-54	-81											
3630	-88	-77	-52	-23	-4	11	27	41	59	80											
3640	101	129	157	174	170	156	122	70	45	33											
3650	39	59	72	86	81	67	47	26	8	-11											
3660	-102	-63	-102	-128	-140	-151	-146	-138	-126	-118											
3670	-102	-63	-64	-57	-64	-73	-79	-81	-80	-76											
3680	-70	-58	-58	-14	11	39	57	57	59	80											
3690	59	50	40	33	31	31	31	31	31	31											
3700	51	32	32	35	62	99	129	122	109	109											
3710	71	22	-18	-55	-81	-93	-94	-93	-99	-110											
3720	-117	-118	-116	-115	-115	-119	-133	-144	-158	-163											

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1210 E415)

CONTINUED(S-1210 E415)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	6	6	6	6	2	4	0	-6	-8	-5	4810	59	58	54	52	47	41	39	37	37	38
4280	0	2	5	5	2	-1	-5	-9	-10	-8	4820	28	25	25	25	25	26	26	26	26	29
4290	-4	-2	8	17	36	63	92	102	91	-8	4830	32	34	39	43	45	43	36	34	33	23
4300	67	41	17	10	13	14	15	15	14	14	4840	16	10	12	13	12	-1	-10	-21	-31	-31
4310	8	-1	-10	-15	-17	-20	-26	-31	-37	-51	4850	-31	-31	-31	-29	-25	-17	-11	-5	-4	1
4320	-75	-103	-112	-99	-84	-62	-31	17	35	17	4860	0	-1	-1	-1	-1	0	0	1	1	1
4330	49	54	59	56	51	51	46	40	23	6	4870	0	-1	-2	-8	-18	-31	-44	-44	-44	-34
4340	-5	-15	-16	-4	9	25	37	41	28	6	4880	-18	0	3	-5	-4	-6	-41	-21	-33	-33
4350	-8	-18	-19	-12	-8	-6	-6	-9	-10	-7	4890	-36	-30	-22	-9	6	22	39	53	69	61
4360	-6	-4	-3	-2	-2	-5	-7	-7	-9	-9	4900	5	22	12	9	8	1	-7	-23	-37	-50
4370	-10	-10	-10	-9	-8	-4	0	4	14	4	4910	-63	-72	-71	-72	-72	-71	-64	-50	-39	-39
4380	22	25	22	8	-9	-22	-33	-37	-40	-43	4920	-31	-25	-27	-19	-16	-11	-4	0	2	6
4390	-47	-47	-47	-44	-42	-42	-39	-32	-10	-10	4930	10	10	7	7	7	7	7	7	7	7
4400	6	18	31	38	48	48	36	29	26	25	4940	12	14	14	15	16	22	30	42	59	72
4410	31	33	33	35	42	52	63	74	84	85	4950	74	75	74	70	63	50	35	26	22	22
4420	77	65	47	24	10	8	8	8	8	8	4960	21	21	18	16	15	13	7	-2	-9	-19
4430	8	8	8	8	8	5	-5	-21	-31	-29	4970	-21	-20	-17	-16	-17	-15	-14	-12	-11	-9
4440	-21	-5	11	26	39	48	40	26	10	4	4980	-7	-6	-6	-4	1	7	11	12	14	19
4450	5	8	7	-5	-17	-33	-37	-38	-38	-38	4990	25	27	25	22	22	22	22	22	22	22
4460	-38	-34	-29	-22	-6	13	34	46	45	43	5000	22	22	22	19	15	12	7	2	-1	-1
4470	40	38	35	29	21	8	-6	-20	-30	-43	5010	1	7	1	-2	-14	-21	-24	-18	-11	-4
4480	-55	-61	-61	-56	-45	-36	-33	-32	-28	-17	5020	5	9	13	15	9	3	-14	-43	-60	-61
4490	-2	12	24	35	46	54	64	56	43	31	5030	-54	-45	-39	-32	-3	16	33	38	30	30
4500	23	19	19	19	20	21	15	5	-7	-13	5040	17	9	3	0	-1	-3	-5	-8	-12	-14
4510	-23	-29	-33	-41	-42	-45	-44	-43	-47	-51	5050	-11	-4	7	13	18	19	18	16	16	9
4520	-50	-44	-40	-39	-47	-62	-78	-84	-80	-85	5060	-2	-9	-26	-40	-51	-59	-66	-69	-64	-58
4530	-45	-32	-15	-19	18	10	4	-3	-13	-13	5070	52	-49	-47	-48	-50	-44	-37	-28	-25	-24
4540	0	0	0	0	0	0	0	0	1	1	5080	-23	-13	-6	1	6	10	11	10	4	-3
4550	0	0	0	1	4	8	9	6	3	0	5090	-8	-10	-9	-7	-6	-3	2	6	10	13
4560	-3	-1	0	2	-2	-12	-23	-31	-36	-38	5100	17	19	23	27	28	26	25	22	15	3
4570	-34	-30	-24	-19	-12	-3	0	5	5	4	5110	-6	-10	-13	-4	5	13	19	21	19	18
4580	3	5	7	11	17	20	19	14	8	5	5120	14	7	2	-1	2	8	17	21	29	32
4590	0	-6	-8	-6	-1	1	0	-9	-18	-26	5130	30	17	3	14	-8	-31	-31	-31	-31	-31
4600	-27	-25	-24	-22	-21	-19	-15	-12	-6	16	5140	-31	-28	-24	-20	-14	-8	-2	45	83	78
4610	34	42	41	46	51	47	45	39	34	26	5150	84	79	68	57	51	47	42	36	31	31
4620	12	-4	-2	5	3	0	-5	-16	-29	-41	5160	28	19	11	6	5	5	5	5	6	5
4630	-46	-47	-43	-37	-25	-17	-12	-8	-7	-7	5170	8	13	18	23	26	28	22	8	-23	-35
4640	-7	-6	-2	0	5	12	16	16	14	14	5180	-38	-36	-28	-21	-8	-2	-1	1	-2	-2
4650	18	26	34	38	38	36	39	41	41	39	5190	-2	-2	0	1	1	2	1	3	5	7
4660	31	13	-19	-48	-61	-66	-69	-69	-65	-63	5200	3	-3	1	1	-3	-8	-13	-15	-15	-11
4670	-51	-21	0	19	27	21	10	-3	-10	-14	5210	-8	-8	-8	-8	-7	-5	-1	5	8	8
4680	0	17	34	46	39	37	34	33	31	27	5220	10	11	11	11	9	7	5	2	-1	-14
4690	26	27	31	34	37	36	34	28	17	11	5230	-22	-26	-29	-27	-19	-15	-12	-14	-15	-12
4700	9	5	-3	-14	-24	-31	-28	-18	-9	0	5240	-8	-12	-15	-16	-4	16	26	27	18	4
4710	7	17	22	22	23	25	23	16	10	10	5250	-16	-12	-4	4	16	26	17	18	4	-10
4720	4	3	1	-11	-25	-36	-42	-41	-27	-3	5260	-20	-18	-11	-5	0	1	1	0	0	0
4730	25	39	39	36	34	33	30	21	8	2	5270	3	6	9	10	11	11	10	10	10	9
4740	0	0	0	0	0	1	1	1	1	1	5280	7	6	2	-3	-7	-16	-25	-31	-32	-32
4750	2	6	12	17	18	11	0	-31	-68	-89	5290	-39	-33	-13	-5	1	-2	-19	-29	-36	-36
4760	-89	-80	-68	-55	-48	-45	-39	-34	-31	-23	5300	-39	-39	-39	-39	-39	-39	-39	-39	-39	-39
4770	-8	0	-1	-7	-15	-21	-16	-8	2	12	5310	12	12	12	12	12	12	12	12	12	12
4780	21	29	31	34	40	57	51	19	0	-12	5320	12	12	13	13	13	13	16	18	17	16
4790	-14	-16	-20	-22	-27	-37	-41	-42	-32	-42	5330	15	15	15	15	15	15	14	12	7	0
4800	-17	-1	16	15	18	22	29	39	52	52	5340	-17	-30	-32	-31	-39	-29	-29	-29	-28	-28

TO BE CONTINUED

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	-28	-28	-31	-34	-34	-30	-20	0	23	40
5360	50	49	44	44	44	44	45	49	45	41
5370	34	28	24	23	23	23	22	19	17	17
5380	15	11	4	-8	-15	-17	-17	-19	-23	-26
5390	-27	-25	-16	-5	8	23	34	38	39	39
5400	39	39	39	37	35	33	33	25	9	-16
5410	-28	-39	-46	-44	-38	-35	-37	-41	-51	-59
5420	-64	-63	-58	-51	-42	-33	-22	-13	-12	-12
5430	-12	-11	-7	-1	7	14	15	9	-2	-1
5440	-3	-4	-4	-5	-5	-5	-5	-7	-8	-11
5450	-15	-18	-22	-24	-25	-24	-22	-19	-18	-17
5460	-14	-13	-10	-4	11	20	29	36	36	35
5470	35	32	28	27	27	27	27	27	26	21
5480	22	22	22	22	21	20	20	20	21	20
5490	20	20	20	20	19	19	19	19	19	19
5500	19	19	18	17	16	17	18	22	24	28
5510	29	30	30	30	30	30	30	30	30	29
5520	25	20	17	13	6	-3	-3	-3	-3	-1
5530	-1	-1	-1	0	1	-1	-4	-11	-16	-19
5540	-19	-16	-12	-10	-8	-5	-3	-3	-2	-2
5550	-3	-4	-3	-3	-2	0	4	6	3	2
5560	2	1	2	2	3	5	6	1	-2	-6
5570	-7	-5	-1	5	9	16	18	19	17	6
5580	0	-7	-10	1	10	24	30	30	30	31
5590	32	32	33	33	32	32	27	22	16	12
5600	11	15	17	15	14	13	12	9	6	4
5610	2	2	1	1	0	0	-2	-5	-8	-11
5620	-13	-13	-16	-18	-20	-20	-20	-19	-20	-22
5630	-26	-29	-26	-20	-12	-1	17	26	19	18
5640	14	8	6	0	-6	-6	-10	-15	-19	-18
5650	-16	-14	-11	-8	-4	0	2	4	3	2
5660	2	0	-1	0	0	-1	-5	-6	-2	-2
5670	-5	-7	-7	-7	-7	-5	-4	-4	-4	-3
5680	-2	3	5	5	8	8	8	8	8	5
5690	5	5	8	9	9	9	9	9	9	9
5700	5	1	-4	-8	-9	-9	-9	-9	-9	-9
5710	-8	-9	-9	-6	-4	-3	-3	-2	-1	-3
5720	-3	-3	-3	-3	-3	-3	-3	-3	-2	0
5730	2	3	3	3	3	3	5	7	7	7
5740	6	1	-1	-5	-8	-10	-12	-10	-5	1
5750	7	7	12	11	7	3	2	2	1	2
5760	6	11	13	19	22	22	22	22	21	18
5770	15	13	12	12	13	14	12	10	2	-5
5780	-16	-24	-26	-23	-21	-20	-21	-20	-22	-22
5790	-23	-25	-25	-24	-22	-16	-13	-8	-1	-2

END

RECORD = S-1210 COMPONENT = DOWN STATION = OFUNATO-BOCHI-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 5800
 SIGNALING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 CONNECTION POINT IN DATA NUMBER= 2840, 5800,

CONTINUED (S-1210 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
0	-8	-8	-8	-8	-7	-7	-7	-7	-6	-6	-82	-68	-58	-36	-5	-3	26	111	121	112	
10	-5	-4	-4	-3	-4	-4	-5	-5	-4	-3	83	-29	17	7	-4	-22	-12	-3	-30	-62	
20	-2	-2	-3	-4	-4	-4	-4	-3	-2	-4	-105	-109	-68	-12	36	30	7	-16	-27	-27	
30	1	0	-1	-2	-3	-4	-3	-2	0	0	12	2	22	53	80	117	147	152	117	-8	
40	-8	-7	-5	-2	0	-1	-2	-3	-4	-6	530	19	-63	-152	-174	-177	-149	-107	-52	-8	
50	-8	-8	-6	-5	-4	-1	-2	-3	-4	-6	540	14	24	22	22	33	44	108	135	140	
60	2	3	2	2	3	6	6	2	0	0	550	112	90	89	71	36	27	36	51	94	
70	0	2	3	1	-1	-6	-6	-7	-9	-8	560	28	6	-22	-31	-17	2	21	25	28	
80	-8	-8	-8	-8	-9	-7	2	9	10	4	570	44	13	-10	-19	-21	-25	-52	-101	-189	
90	1	-4	-8	-9	-6	9	11	7	1	0	580	-159	-143	-108	-62	-25	-10	8	44	86	
100	0	-2	-8	-8	-9	-6	-28	-37	-42	-39	590	85	44	3	-7	-11	-40	-73	-57	3	
110	-32	-14	12	27	30	27	30	26	25	21	600	113	126	130	146	139	129	71	19	11	
120	13	5	-2	-6	0	17	39	51	55	31	610	11	40	2	-11	-16	-50	-125	-142	-95	
130	-14	-22	-28	-39	-51	-57	-58	-58	-52	-40	620	-58	-35	-10	17	30	29	16	-9	1	
140	-24	-12	-7	2	13	26	40	46	49	33	630	22	37	40	43	46	43	28	0	-24	
150	-2	-17	-24	-36	-49	-53	-46	-38	-24	0	640	-31	-29	-40	-55	-63	-77	-80	-89	-78	
160	40	59	49	18	-17	-23	-22	-20	-20	-29	650	-38	-18	-1	27	68	102	110	111	84	
170	-33	-30	-27	-27	-18	-12	1	16	17	16	660	22	34	44	59	50	51	74	91	89	
180	13	16	17	15	7	-3	-8	-1	1	1	670	37	12	-21	-64	-82	-83	-13	24	-2	
190	-47	-40	-33	-31	-31	-21	-13	4	10	9	680	-42	-25	-8	-13	-57	-94	-95	-81	-60	
200	7	0	-8	-13	-16	-14	-3	11	22	26	690	-55	-61	-39	6	37	47	49	46	36	
210	22	22	33	32	28	13	-14	-25	-25	-25	700	34	19	-5	1	28	58	82	79	26	
220	-16	-7	-2	-4	-6	1	13	18	13	3	710	23	19	-9	-61	-100	-116	-126	-124	-95	
230	0	-4	0	6	4	-1	-2	0	7	13	720	-29	47	98	120	119	112	86	64	39	
240	17	17	6	-6	-14	-20	-21	-21	-28	-41	730	-2	-55	-92	-84	-66	-16	41	50	30	
250	-19	-43	-34	-24	-10	-6	-7	-13	-9	0	740	-3	-44	-67	-48	-13	12	7	-3	-4	
260	-7	-10	-7	-7	0	9	12	4	0	0	750	16	27	39	44	42	44	44	60	93	
270	-4	-6	-2	5	15	36	38	28	7	-24	760	162	149	127	89	-29	-92	-119	-169	-158	
280	-53	-44	-21	9	35	40	41	37	36	18	770	-146	-150	-159	-108	-27	-11	27	77	99	
290	-5	-19	-25	-38	-54	-38	-9	13	25	30	780	131	109	74	70	47	36	28	24	14	
300	33	28	21	21	23	17	-7	-63	-81	-83	790	-4	-22	-33	-30	-11	23	61	49	-4	
310	-69	-36	-37	-45	-43	-26	5	33	43	41	800	-17	-13	-6	3	3	-19	-38	-32	-4	
320	33	19	15	12	6	-10	-31	-30	-4	31	810	42	31	36	43	44	41	29	19	1	
330	54	52	36	20	4	-6	-18	-46	-115	-117	820	-61	-64	-61	-50	-26	-21	-23	-54	-94	
340	-87	-44	0	25	39	38	21	-3	-31	-59	830	-101	-75	-32	-14	-16	-18	-26	-31	-34	
350	-71	-55	-17	12	19	19	21	22	20	14	840	-34	-16	32	80	89	81	42	-27	-34	
360	14	33	34	36	29	21	0	-20	-54	-65	850	-44	-13	57	120	149	119	56	38	43	
370	-60	-43	-22	-18	-17	-17	7	11	-23	55	860	47	35	14	-3	-6	-3	0	0	-6	
380	77	55	12	11	18	11	-23	-55	-68	-74	870	-75	-76	-71	-77	-84	-33	32	71	86	
390	-66	-58	-45	-25	-16	-2	27	55	62	62	880	105	109	102	97	96	96	92	42	0	
400	62	59	53	51	35	5	-42	-41	-27	-2	890	-48	-57	-55	-94	-53	-28	25	39	47	
410	44	91	122	132	133	95	33	-31	-78	-121	900	45	9	-46	-101	-111	-98	-85	-59	-23	
420	-146	-151	-151	-150	-142	-104	-42	-12	-14	-17	910	24	80	117	107	88	70	57	38	24	
430	-16	-18	-18	-3	34	89	92	62	28	17	920	-25	-88	-82	-51	-23	14	43	51	63	
440	35	70	78	76	68	63	59	55	47	36	930	94	87	79	78	75	58	34	-23	-31	
450	26	29	40	54	59	48	18	-22	-29	-29	940	-17	-19	-29	-70	-100	-101	-83	-45	15	
460	-25	-14	5	29	38	33	28	20	6	0	950	27	6	-4	-4	4	25	36	27	3	
470	16	34	47	47	32	-1	-67	-120	-157	-187	960	-79	-61	-61	-42	-26	-8	1	11	17	
480	-195	-179	-141	-86	-49	-25	-4	0	-2	-34	970	79	137	176	178	138	93	54	28	20	
											980	67	137	176	178	138	93	54	28	20	5
											990	-2	9	25	47	56	61	72	73	56	16
											1000	-88	-113	-78	-85	-81	-84	-88	-92	-92	-60
											1010	-8	20	24	14	0	-17	-37	-36	-27	-19
											1020	-26	-50	-84	-105	-93	-77	-76	-84	-73	-49

TO BE CONTINUED TO BE CONTINUED

CONTINUED(S-1210 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-35	-26	19	86	120	122	108	86	77	93
1040	117	130	117	61	-3	17	67	79	44	13
1050	23	92	172	235	263	285	285	277	259	227
1060	133	27	-70	-76	-89	-114	-155	-165	-153	-159
1070	-173	-195	-232	-267	-280	-248	-178	-107	-62	-9
1080	31	72	136	188	212	206	170	137	138	167
1090	205	239	267	301	330	256	164	122	99	75
1100	40	-27	-144	-215	-212	-177	-146	-141	-140	-164
1110	-242	-270	-273	-284	-295	-300	-283	-229	-126	9
1120	85	226	289	312	307	273	197	146	155	175
1130	172	133	81	72	57	27	20	38	44	24
1140	49	69	85	79	59	44	77	142	177	186
1150	186	165	55	-87	-161	-182	-191	-212	-242	-247
1160	-233	-202	-162	-124	-89	-71	-67	-67	-69	-58
1170	-43	-48	-81	-103	-90	-65	-28	-30	-57	-158
1180	-177	-157	-90	-46	-69	-109	-111	-80	-8	60
1190	111	189	286	344	357	325	276	225	176	143
1200	125	87	39	31	52	91	112	108	114	127
1210	118	107	78	22	-12	-19	-19	-12	-1	16
1220	33	133	171	182	181	140	88	-4	-38	-58
1230	-99	-165	-337	-436	-414	-320	-195	-102	-45	-45
1240	-48	-46	-26	-4	-4	-2	43	119	154	126
1250	97	103	137	158	158	100	107	-29	-23	8
1260	68	147	218	258	262	241	134	12	-85	-107
1270	-123	-171	-235	-256	-256	-242	-229	-248	-288	-285
1280	-276	-265	-183	-72	89	159	275	367	409	367
1290	409	395	355	281	186	110	13	-22	-42	-54
1300	-51	-49	-55	-63	-71	-75	-87	-143	-231	-264
1310	-265	-258	-228	-172	-126	-111	-100	-71	-22	36
1320	118	231	284	315	316	290	267	213	175	78
1330	23	-3	-38	-97	-100	-99	-111	-184	-277	-267
1340	-284	-243	-126	44	127	208	258	262	254	229
1350	199	84	-77	-146	-123	-67	-17	2	19	55
1360	80	65	8	-58	-92	-153	-148	-92	-25	49
1370	145	232	255	249	226	183	134	2	-105	-170
1380	-214	-231	-233	-233	-233	-250	-281	-313	-446	-520
1390	-576	-598	-581	-523	-431	-324	-210	-91	23	144
1400	237	329	430	455	462	460	412	316	201	96
1410	13	-65	-146	-188	-188	-188	-203	-216	-166	-58
1420	39	72	101	131	158	164	164	168	168	119
1430	26	-58	-136	-219	-247	-249	-257	-253	-228	-147
1440	-41	20	42	63	89	94	83	64	42	16
1450	-67	-118	-142	-140	-60	128	257	348	467	543
1460	556	515	377	172	-66	-157	-116	-59	-45	-63
1470	-105	-113	-113	-113	-127	-155	-152	-68	53	53
1480	78	98	100	69	6	-27	-34	-41	-53	-61
1490	-63	-53	-38	-33	-24	5	0	-56	-82	-84
1500	-63	-4	34	54	52	36	19	32	77	136
1510	134	88	82	128	180	185	151	148	153	153
1520	141	57	-86	-116	-67	-11	16	-24	-42	-36
1530	14	23	80	117	121	90	37	-1	-35	85
1540	-75	-119	-203	-265	-274	-263	-244	-208	-167	-146
1550	-161	-189	-192	-161	-167	10	72	193	224	230
1560	166	24	-39	-83	-100	-108	-136	-143	-118	-87

TO BE CONTINUED

CONTINUED(S-1210 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1570	-71	-65	-54	-27	39	109	199	216	192	133
1580	119	127	169	215	208	148	34	-39	-89	-170
1590	-233	-229	-193	-126	-26	62	125	158	126	126
1600	92	70	23	-24	-99	-215	-250	-234	-177	-89
1610	-36	29	97	126	156	161	136	51	14	14
1620	-12	-126	-172	-169	-157	-139	-193	-253	-286	-336
1630	-314	-281	-214	-147	5	126	211	243	261	254
1640	246	239	228	204	179	159	124	93	56	11
1650	-96	-144	-250	-278	-280	-298	-275	-232	-194	-138
1660	42	37	48	117	161	172	142	79	38	38
1670	-27	-70	-93	-100	-107	-90	-71	-63	-75	-80
1680	-59	8	108	129	106	54	65	111	177	186
1690	486	184	170	125	70	52	23	0	-12	-35
1700	-75	-143	-201	-193	-148	-79	6	86	124	150
1710	155	132	21	-97	-124	-112	-100	-69	-40	-22
1720	45	92	99	99	76	37	18	11	0	-14
1730	-17	-24	-57	-123	-153	-136	-110	-63	-29	15
1740	65	98	116	116	121	116	97	69	-17	-128
1750	-152	-142	-122	-104	-110	-114	-114	-87	-45	-5
1760	38	75	110	149	179	200	212	203	146	50
1770	-12	-32	-53	-101	-119	-108	-103	-104	-106	-113
1780	-129	-165	-215	-259	-253	-208	-84	-5	94	150
1790	196	219	217	197	168	146	116	73	-48	150
1800	-126	-127	-121	-106	-80	-13	61	119	160	162
1810	171	175	176	179	168	93	-5	-42	-71	-100
1820	-96	-66	-29	3	28	36	0	-10	15	45
1830	65	68	58	-5	-81	-137	-152	-146	-135	-120
1840	-106	-103	-112	-161	-250	-238	-215	-150	-146	-146
1850	-145	-106	-106	-37	28	131	233	281	294	289
1860	244	203	178	139	100	52	-10	-69	-142	-201
1870	-207	-163	-85	-24	-2	4	3	-10	-25	-21
1880	7	75	125	128	125	104	80	40	-22	-60
1890	-73	-83	-83	-75	-69	-72	-75	-57	-15	4
1900	6	6	12	43	66	81	104	104	96	64
1910	29	29	29	22	10	-6	-25	-49	-74	-86
1920	-79	-76	-69	-30	71	144	169	169	137	72
1930	2	-49	-101	-190	-242	-247	-245	-227	-191	-146
1940	-75	1	71	148	180	158	101	72	66	55
1950	15	-20	-43	-40	-20	11	37	14	-13	-18
1960	-10	15	55	91	120	131	136	124	102	79
1970	59	45	27	18	6	-2	0	25	74	122
1980	128	127	125	113	49	-77	-150	-168	-177	-177
1990	-174	-158	-106	-46	-20	-17	-23	-41	-59	-65
2000	-65	-65	-72	-83	-109	-141	-145	-144	-82	-28
2010	11	59	109	121	122	123	121	115	121	118
2020	126	129	121	110	91	81	79	82	68	34
2030	30	44	36	-5	-55	-64	-69	-63	-58	-4
2040	30	44	36	-5	-55	-64	-69	-63	-58	-4
2050	21	31	19	-14	-58	-96	-120	-150	-161	-129
2060	-87	-49	10	89	136	146	147	148	147	144
2070	115	85	32	13	11	12	11	12	7	-63
2080	-153	-172	-171	-137	-79	-14	70	119	106	68
2090	2	-85	-127	-115	-104	-95	-79	-59	-37	-28
2100	-22	5	32	39	51	74	111	146	176	200

TO BE CONTINUED

CONTINUED (S-1210 DOWN)

CONTINUED (S-1210 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	218	223	210	161	95	37	8	6	5	5
2120	3	-11	-37	-67	-82	-87	-101	-100	-86	-87
2130	-103	-139	-163	-154	-131	-100	-66	-25	8	22
2140	27	32	40	31	1	34	48	-44	-28	7
2150	51	93	115	122	118	118	117	89	25	-40
2160	-83	-117	-139	-148	-151	-141	-125	-97	-65	-31
2170	0	12	25	43	43	59	67	69	20	-29
2180	-32	2	62	100	143	176	180	182	164	118
2190	93	58	28	2	-53	-94	-81	-69	-64	-79
2200	-110	-129	-124	-99	-77	-53	-43	-53	-71	-89
2210	-91	-78	-47	-37	-56	-69	-101	-119	-113	-79
2220	-32	-8	-2	-16	-37	-45	-38	-34	-38	-38
2230	-41	-33	-19	-9	1	8	23	77	130	161
2240	156	107	63	68	63	55	20	14	22	27
2250	33	34	21	32	4	60	93	83	63	21
2260	-83	-82	-53	4	60	93	93	83	63	21
2270	-18	-21	-10	-6	-8	-17	-46	-79	-90	-82
2280	-69	-48	-30	-24	-34	-50	-61	-63	-63	-58
2290	-48	-29	-5	0	-10	-21	-21	-10	-3	0
2300	-11	-39	-63	-58	-43	-43	-64	-89	-111	-116
2310	-98	-86	-71	-44	4	72	100	110	108	108
2320	108	108	104	85	41	-3	-18	-24	-24	-24
2330	-24	-18	29	100	129	147	166	164	127	74
2340	20	2	0	-3	-4	-16	-41	-77	-111	-154
2350	-166	-158	-129	-51	-22	-3	-5	-14	-37	-21
2360	15	72	73	55	11	-11	-6	-32	-51	-78
2370	-95	-63	-16	-19	-29	-35	-33	-24	-12	8
2380	29	24	9	11	31	61	98	139	182	218
2390	229	228	206	135	69	36	43	62	84	90
2400	91	99	108	109	99	73	18	-31	-117	-147
2410	-168	-169	-165	-133	-119	-86	-57	-55	-57	-75
2420	-100	-119	-123	-111	-87	-42	-11	-8	-23	-50
2430	-114	-132	-129	-117	-100	-80	-43	15	67	104
2440	123	120	103	79	60	46	40	28	19	17
2450	22	33	38	38	16	41	-78	-115	-170	-214
2460	-231	-226	-208	-130	-70	-18	41	93	112	110
2470	104	94	80	69	52	44	15	-12	-19	-24
2480	-37	-68	-98	-101	-73	-44	-32	-18	4	48
2490	104	149	174	185	189	179	154	129	110	94
2500	75	31	-5	-25	-34	-51	-88	-134	-170	-176
2510	-149	-84	5	34	27	1	-25	-50	-65	-113
2520	-136	-126	-98	-80	-68	-73	-80	-85	-84	-73
2530	-48	-37	-30	-8	-9	-12	-39	-69	-71	-74
2540	-72	-58	-30	-11	-1	-1	0	4	0	3
2550	-3	-15	-17	1	29	42	30	4	-20	-37
2560	-35	-34	-29	-10	25	74	93	107	144	180
2570	197	207	209	201	158	106	73	39	0	-20
2580	-58	-73	-132	-166	-156	-123	-72	-62	-38	-25
2590	-22	9	36	27	15	3	0	2	-3	-3
2600	-6	-10	-24	-57	-83	-92	-97	-93	-76	-60
2610	55	-50	-34	-12	8	23	36	43	48	51
2620	56	75	84	87	87	87	87	87	59	-30
2630	-74	-77	-64	-49	-24	11	20	-3	-25	-27
2640	-38	-59	-70	-64	-44	-30	-23	-21	-20	-20

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1210 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	42	32	24	8	-1	-6	0	20	24	43	3730	-40	-20	13	40	61	73	72	56	31	14
3200	7	14	19	16	17	12	-14	-28	-34	-34	3740	0	-14	-25	-34	-41	-41	-33	-10	11	19
3210	-36	-41	-47	-56	-67	-74	-75	-62	-59	-33	3750	24	27	31	34	28	21	16	14	14	15
3220	-28	-24	-13	3	20	25	24	19	12	6	3760	19	28	37	43	50	55	55	52	44	35
3230	3	6	5	0	-3	2	10	13	16	19	3770	24	20	14	18	26	35	41	45	42	37
3240	21	19	17	21	28	35	36	24	14	3	3780	24	10	-2	-5	-7	-5	0	1	0	0
3250	0	0	17	29	33	42	42	31	12	0	3790	-3	-6	15	-31	-42	-49	-55	-63	-70	-71
3260	-1	-9	-16	-22	-27	-20	-13	-3	12	24	3800	-63	-50	-40	-27	-47	-29	-47	-57	-59	-49
3270	34	40	45	51	58	67	68	65	62	58	3810	-45	-40	-35	-29	-21	-13	-4	5	-7	-14
3280	54	46	43	38	22	7	0	-5	-9	-10	3820	-14	-7	-10	-20	-27	-33	-28	-18	-19	-21
3290	-9	-6	-9	-21	-30	-31	-25	-15	-13	-24	3830	-25	-17	-11	-2	-4	-10	-16	-22	-25	-28
3300	-44	-56	-54	-55	-50	16	29	22	8	3	3840	-29	-24	-8	3	4	2	1	6	12	18
3310	-10	-13	-9	-6	-8	-9	-8	-4	1	6	3850	26	24	22	24	22	25	34	46	50	43
3320	14	18	14	11	9	15	23	30	23	12	3860	27	11	-2	10	-15	-16	-15	-9	-3	0
3330	-11	-31	-34	-36	-36	-37	-36	-30	-19	-11	3870	7	15	19	13	0	-9	-17	-22	-23	0
3340	-18	-27	-44	-63	-73	-75	-72	-72	-78	-87	3880	-14	-10	11	10	11	26	31	42	44	50
3350	-91	-89	-77	-52	-35	-29	-19	-6	6	19	3890	60	63	64	66	68	62	57	45	31	24
3360	21	10	0	-3	-1	-6	-20	-31	-33	-30	3900	22	22	22	21	18	14	10	6	3	2
3370	-26	-19	-17	-12	-3	-5	-12	-19	-30	-38	3910	-1	-7	-12	-20	-31	-42	-48	-55	-59	-52
3380	-40	-35	-30	-30	-30	-23	-7	3	10	13	3920	-45	-37	-29	-20	-14	-17	-24	-25	-25	-31
3390	7	-3	-14	-12	-2	23	53	64	68	59	3930	-45	-61	-68	-68	-60	-52	-49	-44	-35	-27
3400	35	-1	-34	-53	-54	-43	-33	-28	-23	-17	3940	-17	-8	0	5	9	12	14	15	13	11
3410	-3	17	32	34	33	37	47	62	77	7	3950	4	0	-6	-9	-5	0	1	2	3	3
3420	86	91	85	71	58	46	34	22	13	9	3960	-14	-28	-38	-39	-36	-29	-12	7	9	3
3430	3	6	3	2	0	5	9	15	20	19	3970	-2	-8	-14	-18	-14	-2	10	20	20	9
3440	12	9	9	11	8	0	-5	-8	-6	-1	3980	-8	-19	-23	-22	-16	-7	-2	-2	-6	-7
3450	10	13	8	3	0	1	6	11	11	3	3990	-7	-7	-1	20	38	48	56	63	67	69
3460	-10	-24	-29	-21	-15	-17	-25	-30	-24	-16	4000	67	64	61	55	44	25	15	8	5	5
3470	-2	11	16	4	-18	-34	-51	-52	-48	-42	4010	14	22	24	22	14	5	-8	-18	-20	-18
3480	-35	-33	-23	-3	14	18	19	19	25	31	4020	-14	-5	5	11	17	22	24	22	15	10
3490	36	32	26	16	12	18	14	5	-1	-5	4030	9	10	14	16	7	-4	-14	-19	-14	-4
3500	0	6	4	-3	-12	-12	-18	-27	-40	-53	4040	7	12	10	6	0	-5	-13	-16	-18	-17
3510	-52	-47	-39	-33	-33	-33	-34	-35	-38	-41	4050	-11	-5	6	19	37	46	49	41	25	12
3520	-44	-43	-30	-16	-11	-12	-19	-26	-24	-19	4060	1	0	0	0	4	9	9	5	1	-4
3530	-16	-20	-24	-24	-19	-13	-10	-11	-17	-22	4070	-7	-11	-14	-14	-14	-10	-3	6	15	20
3540	-28	-34	-36	-35	-34	-31	-34	-37	-37	-30	4080	19	14	6	-1	-4	-5	-6	-6	-8	-8
3550	-7	9	11	14	20	32	44	57	65	66	4090	-5	-2	1	1	-2	-7	-17	-28	-36	-40
3560	27	25	22	24	31	44	57	65	66	56	4100	-63	-44	-50	-53	-55	-55	-55	-51	-43	-33
3570	34	14	4	-3	-8	-7	0	8	14	19	4110	-11	-1	-8	-15	-18	-22	-21	-17	-9	-9
3580	21	19	13	3	-14	-29	-31	-22	-17	-14	4120	-7	-9	-17	-19	-18	-15	-7	-6	-8	-9
3590	-9	-4	0	-2	-9	-28	-30	-25	-10	12	4130	-8	-3	5	18	34	44	50	52	56	60
3600	10	7	3	47	-2	4	10	20	23	23	4140	66	73	76	72	61	49	37	29	22	18
3610	20	20	19	14	-2	-26	-42	-47	-45	-38	4150	16	12	8	5	5	5	5	4	7	10
3620	-32	-25	-17	-10	-1	6	4	-13	-38	-50	4160	17	20	20	19	17	11	10	6	1	-2
3630	-48	-41	-36	-36	-35	-31	-28	-25	-22	-15	4170	-6	-8	-9	-2	3	10	15	11	9	10
3640	-7	8	24	37	48	54	50	44	21	0	4180	8	1	-13	-31	-40	-41	-46	-51	-54	-53
3650	-7	-12	-30	-62	-44	-49	-40	-30	-20	-19	4190	-46	-39	-33	-26	-18	-7	0	3	1	0
3660	-27	-41	-65	-71	-75	-60	-56	-56	-45	-33	4200	1	6	11	17	19	18	17	22	30	36
3670	-18	-16	-22	-27	-29	-27	-18	-12	-9	-8	4210	40	38	28	13	-5	-13	-14	-17	-20	-21
3680	-8	-10	-18	-30	-51	-70	-74	-68	-56	-40	4220	-25	-28	-28	-24	-20	-20	-21	-21	-25	-23
3690	-10	13	20	23	26	35	47	57	65	64	4230	-8	-16	-18	-19	-14	-8	-1	4	7	5
3700	59	53	45	33	18	8	10	20	30	56	4240	1	-2	-7	-7	-7	-7	13	11	8	5
3710	65	68	68	65	59	53	38	20	0	-31	4250	2	0	-2	-6	-11	-16	-19	-20	-16	-5
3720	-43	-40	-48	-65	-58	-58	-58	-54	-52	-48	4260	4	11	17	22	28	34	39	42	45	47

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1210 DOWN)										CONTINUED (S-1210 DOWN)												
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
4270	43	39	32	26	17	4	6	9	9	0	4610	-13	-17	-11	-6	-3	-2	-3	-6	-13	-17	
4280	3	7	3	3	11	11	9	9	9	17	4820	-18	-18	-18	-17	-4	-8	-4	-4	0	7	16
4290	11	2	-15	-22	-29	-33	-36	-40	-35	-25	4830	26	34	38	41	62	45	49	53	59	61	
4300	-15	-9	-8	-10	-8	3	6	18	32	43	4840	64	62	61	55	53	53	49	51	51	44	
4310	50	51	47	43	44	39	35	23	10	8	4850	36	28	21	16	18	14	8	1	1	-5	-4
4320	-28	-46	-54	-55	-55	-43	-36	-35	-37	-32	4860	-3	-3	-2	-2	-4	-3	-1	1	1	-1	-1
4330	-26	-19	-6	11	20	15	7	3	-2	-8	4870	-4	-5	-4	0	3	2	0	0	2	7	7
4340	-10	-5	0	3	10	24	36	43	49	54	4880	7	5	3	0	-3	-1	4	5	8	11	11
4350	55	52	47	35	22	14	9	4	3	-12	4890	12	15	13	10	7	6	2	-3	-10	-8	-10
4360	-16	-14	-14	0	4	3	1	0	-3	-7	4900	-11	-12	-12	-11	-12	-11	-10	-8	-5	-2	-2
4370	-11	-15	-16	-19	-23	-27	-29	-31	-34	-36	4910	-1	-1	-2	-6	-7	0	8	18	26	31	31
4380	-41	-47	-52	-54	-51	-45	-41	-35	-30	-27	4920	32	32	33	37	38	35	29	21	12	1	1
4390	-25	-28	-27	-27	-29	-32	-39	-40	-38	-32	4930	-7	-12	-14	-17	-20	-20	-16	-15	-18	-18	-18
4400	-24	-12	0	8	4	1	-4	-12	-20	-24	4940	-16	-14	-10	-4	2	8	14	19	23	24	24
4410	-25	-17	-5	12	30	40	51	55	51	50	4950	24	20	16	12	12	15	19	23	19	14	14
4420	50	47	41	37	36	34	31	28	18	3	4960	9	5	3	1	1	3	5	9	12	14	14
4430	-20	-15	-7	-4	-38	-35	-27	-18	-16	-17	4970	17	19	22	24	25	24	21	15	9	2	2
4440	-20	-15	-7	6	25	36	31	24	21	16	4980	-2	-6	-10	-11	-13	-14	-15	-15	-14	-13	-13
4450	10	9	9	10	16	22	26	21	11	-1	4990	-12	-12	-11	-7	-5	1	9	15	15	10	10
4460	-15	-20	-20	-13	-11	-19	-30	-39	-47	-46	5000	4	-2	-9	-14	-12	-6	-6	5	6	-6	-6
4470	-34	-22	-11	2	18	33	47	64	78	83	5010	-6	-9	-11	-11	-11	-14	-16	-20	-21	-21	-21
4480	77	69	59	44	27	16	6	-2	-8	-10	5020	-21	-21	-19	-16	-13	-11	-12	-12	-11	-9	-9
4490	-9	-11	-17	-19	-17	-15	-7	-3	-2	-2	5030	-8	-7	-6	-6	-8	-9	-11	-12	-12	-12	-12
4500	-4	-6	-5	-5	-4	-4	0	1	1	0	5040	-12	-12	-15	-18	-18	-15	-13	-7	0	7	7
4510	-2	-2	-1	2	8	15	18	16	17	11	5050	12	9	4	-1	-5	-11	-11	-13	-12	-7	-6
4520	8	6	2	0	0	1	1	-2	-8	-11	5060	-5	1	8	16	20	16	13	10	6	5	5
4530	-14	-15	-15	-11	-9	-12	-17	-24	-27	-25	5070	8	9	13	18	20	22	19	18	17	22	22
4540	-19	-13	-14	-17	-16	-10	-7	-6	-7	-10	5080	25	21	18	14	9	4	-2	-10	-18	-25	-25
4550	-14	-23	-31	-39	-39	-30	-17	0	17	33	5090	-29	-30	-31	-31	-30	-28	-26	-23	-17	-6	-6
4560	41	46	53	55	48	41	28	20	13	6	5100	0	0	-2	-3	0	1	3	1	0	0	0
4570	6	6	6	7	3	-1	-1	-2	-3	0	5110	1	7	11	18	23	24	25	24	23	21	21
4580	6	15	22	21	18	15	13	11	6	0	5120	20	22	22	22	24	22	16	6	5	6	6
4590	-5	-10	-9	-6	-2	-3	-5	-5	-6	-3	5130	7	9	9	10	11	11	7	1	-3	-7	-7
4600	3	10	12	13	15	19	21	22	24	21	5140	-6	-8	-6	-3	0	3	4	5	1	-2	-2
4610	19	20	22	15	7	-5	-15	-18	-18	-16	5150	-5	-11	-16	-19	-22	-25	-28	-30	-32	-34	-34
4620	-7	0	6	13	19	14	12	6	1	-2	5160	-32	-28	-24	-21	-18	-14	-8	-1	7	4	4
4630	-8	-12	-19	-21	-23	-25	-27	-27	-24	-24	5170	-4	-18	-23	-27	-31	-35	-38	-33	-25	-17	-17
4640	-22	-19	-11	-2	4	5	0	-5	-9	-12	5180	-13	-10	-6	0	7	11	16	21	27	33	33
4650	-12	-9	-5	-2	0	0	3	8	10	12	5190	33	28	23	20	16	13	14	15	16	14	14
4660	10	8	5	-1	-6	-6	-6	-4	-1	0	5200	13	14	16	21	23	23	22	17	12	9	9
4670	2	2	1	3	5	7	9	6	3	3	5210	7	5	2	0	-1	-2	-2	0	2	3	3
4680	3	3	3	0	-3	0	5	14	23	32	5220	3	-1	-9	-16	-22	-27	-28	-25	-18	-14	-14
4690	34	29	22	16	11	5	-3	-13	-21	-28	5230	-7	2	10	22	26	24	18	15	10	8	8
4700	-34	-37	-37	-36	-35	-30	-24	-16	-6	1	5240	3	0	-5	-8	-12	-16	-18	-19	-19	-19	-19
4710	10	16	20	18	16	11	-3	-18	-29	-35	5250	-19	-18	-17	-16	-14	-9	-5	-3	-4	-9	-9
4720	-36	-40	-41	-41	-39	-36	-36	-28	-11	4	5260	-15	-21	-25	-27	-27	-25	-23	-20	-16	-9	-9
4730	17	22	25	24	23	21	15	8	5	5	5270	-3	0	1	3	6	10	15	22	28	32	32
4740	5	3	2	0	0	1	5	11	10	6	5280	32	29	26	23	19	17	15	11	8	5	5
4750	5	5	7	11	11	9	9	12	8	4	5290	6	5	3	-2	-4	-4	-9	-14	-13	-11	-11
4760	2	3	6	11	15	16	17	17	16	18	5300	-20	-23	-26	-29	-34	-36	-38	-35	-29	-24	-24
4770	20	19	16	11	6	3	1	1	3	1	5310	-20	-16	-10	-4	0	2	6	8	8	5	5
4780	-2	-7	-10	-14	-15	-17	-20	-22	-25	-26	5320	0	-6	-15	-24	-29	-30	-28	-23	-14	-2	-2
4790	-30	-29	-21	-11	-4	-6	-14	-21	-29	-35	5330	6	6	5	2	3	7	10	14	17	16	16
4800	-38	-40	-40	-41	-38	-35	-33	-33	-33	-30	5340	12	6	6	-9	-18	-23	-25	-28	-25	-21	-21

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1210 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	-14	-7	-1	3	8	13	18	23	26	25
5360	21	13	9	5	-3	-8	-12	-12	-8	-2
5370	3	14	20	25	27	27	29	29	29	26
5380	20	16	15	11	8	5	0	-4	-8	-9
5390	-8	-8	-10	-11	-10	-5	-3	-2	0	2
5400	6	7	4	-1	-6	-10	-13	-7	-3	-4
5410	-7	-5	-1	2	5	2	0	0	4	7
5420	10	8	7	6	6	7	7	10	12	8
5430	5	1	0	0	0	-3	-5	-2	-12	-15
5440	-17	-14	-8	-2	2	7	11	16	18	18
5450	16	12	12	14	16	14	7	3	4	-3
5460	-8	-10	-10	-9	-6	-4	0	8	15	16
5470	28	30	30	29	28	25	21	16	15	11
5480	5	1	-1	-4	-7	-9	-11	-13	-16	-19
5490	-24	-28	-31	-31	-30	-29	-29	-28	-20	-20
5500	-16	-10	-5	-1	4	10	13	13	9	9
5510	3	0	-2	-4	-5	-5	-4	-6	-7	-8
5520	-5	-3	-5	-8	-7	-3	1	5	2	0
5530	-2	0	1	5	9	10	13	17	19	17
5540	13	12	12	14	15	14	11	6	1	-4
5550	-7	-9	-11	-14	-19	-22	-27	-30	-30	-30
5560	-9	-24	-21	-17	-11	-9	-10	-13	-11	-9
5570	-11	-15	-19	-20	-23	-27	-23	-20	-15	-12
5580	-7	-3	0	0	-2	-4	-8	-6	-4	-2
5590	0	1	3	9	14	18	22	25	22	25
5600	27	28	30	29	27	25	22	19	19	20
5610	23	25	25	22	18	15	11	8	4	1
5620	0	-1	0	0	-1	-4	-8	-8	-7	-6
5630	-3	0	4	7	11	11	8	5	4	6
5640	8	11	13	18	20	16	14	12	10	10
5650	13	16	18	20	22	24	26	27	27	24
5660	20	18	18	16	13	10	8	7	7	7
5670	7	5	0	-2	-4	-8	-13	-17	-19	-22
5680	-23	-22	-19	-14	-6	-2	1	7	9	11
5690	17	22	26	24	21	13	4	2	2	6
5700	7	5	2	0	-6	-8	-10	-12	-14	-15
5710	-16	-19	-22	-24	-25	-23	-19	-13	-6	0
5720	9	18	23	25	27	25	21	17	11	7
5730	4	0	-4	-8	-8	-7	-7	-8	-7	-8
5740	-10	-9	-6	-2	1	2	-2	-7	-11	-14
5750	-17	-18	-18	-19	-17	-13	-5	4	15	22
5760	24	25	24	20	13	7	1	-4	-8	-6
5770	1	8	12	13	13	13	13	14	15	15
5780	13	8	3	3	5	9	11	8	6	6
5790	4	0	-3	-3	-4	-4	-2	0	0	2

END

RECORD = S-1204 COMPONENT = EAST STATION = MIYAKO-S
 DATE AND TIME = 1978-08-12-17-14 TOTAL NUMBER OF DATA = 5950
 SIGNAL = GR-ACC. SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL.
 CONNECTION POINT IN DATA NUMBER= 2984, 5950.

CONTINUED (S-1204 EAST)
 NO. (1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

0	15	15	14	15	11	10	9	8	6	5	490	-85	-67	0	44	64	56	36	-3	-51	-81
10	3	0	-2	-26	-2	-5	-7	-9	-11	-14	500	91	47	-76	-52	-29	-3	37	78	99	105
20	-16	-18	-21	-23	26	24	-27	-28	-24	-19	510	34	54	65	67	-109	-109	-57	-54	-19	10
30	-14	-3	6	15	19	26	27	30	32	35	520	-105	-102	-63	-10	42	52	113	119	98	70
40	38	29	20	0	-23	-44	-84	-58	-25	5	530	47	3	-65	-102	-113	-116	-95	-58	-21	16
50	37	84	93	84	93	78	58	28	-6	-41	540	42	68	89	101	97	73	32	-4	-20	-22
60	-69	-87	-93	-93	-62	-29	8	44	80	104	550	22	22	-28	-43	-65	-20	-21	22	65	-20
70	115	114	101	79	45	-12	-60	-92	80	104	560	83	61	28	-11	-38	-39	-25	-4	10	19
80	-46	-10	16	36	50	66	66	85	91	74	570	24	23	19	10	9	4	-7	-17	-40	-69
90	45	48	46	36	28	16	2	47	39	21	580	-80	-61	-81	2	38	76	94	95	94	80
100	-1	4	21	34	46	52	47	39	21	39	590	39	2	-50	-33	-23	-23	-39	-52	-72	-81
110	9	7	-2	-14	-23	-28	-11	23	37	37	600	-82	-65	-19	14	52	84	98	98	97	92
120	120	9	7	3	7	19	34	43	39	42	610	78	69	51	15	-24	-74	-123	-166	-181	-178
130	42	31	18	7	3	10	0	-42	-72	-12	620	78	69	51	15	-24	-74	-123	-166	-181	-178
140	16	-19	-37	-38	-28	-1	10	0	-42	-72	630	136	-77	-43	103	117	164	179	180	171	123
150	-90	-78	-51	-8	45	91	114	114	96	57	640	56	-13	-68	-133	162	180	168	-123	-62	-8
160	15	-9	-28	-37	-45	1	12	16	27	28	650	32	56	72	75	80	78	71	56	42	21
170	-14	-19	-21	-15	1	12	16	27	28	22	660	1	-19	-37	-22	-18	-11	-43	-35	-68	-100
180	12	8	9	14	19	18	9	4	10	25	670	54	-21	-99	10	73	130	170	179	-91	-47
190	29	25	8	-16	-50	-68	-65	-39	-14	12	680	86	121	125	105	62	43	-33	-37	-50	-26
200	32	51	69	75	70	56	35	5	-26	-52	690	8	32	29	-8	-57	-95	-115	-120	-111	-68
210	-77	-87	-47	-16	-16	19	58	71	70	57	700	13	91	120	150	108	88	67	37	0	-42
220	35	9	-13	-29	-48	-60	-59	-52	-35	6	710	-95	-147	-177	-167	-108	-35	34	75	74	43
230	31	46	51	45	21	-24	-33	-21	9	36	720	-4	-54	-75	-46	6	53	86	107	113	93
240	55	17	-15	-26	-29	-31	-24	-18	-12	-12	730	58	17	-36	-102	-155	-178	-167	-170	-52	18
250	2	15	25	32	19	-4	-28	-60	-70	-52	740	91	150	181	192	184	148	14	-84	-145	-160
260	0	42	74	78	65	34	5	-18	-24	-25	750	141	-129	-75	-73	-13	19	66	113	145	161
270	-11	-8	8	-8	-12	28	9	-9	-16	-24	760	165	159	172	83	-2	-77	-86	-77	-45	-26
280	-21	7	30	47	42	28	9	0	2	12	770	-32	-37	-57	-67	-77	1	45	73	59	8
290	23	29	35	37	29	27	18	5	-17	-25	780	-39	-73	-86	-74	-42	-15	15	42	58	71
300	-26	-17	19	49	67	44	21	-8	-54	-114	790	86	87	81	60	26	-35	-84	-146	-180	-166
310	-124	-118	-78	-10	49	96	130	131	106	61	800	-120	-53	11	74	142	187	207	211	164	80
320	14	-43	-139	-161	-158	-133	-73	1	47	87	810	5	-82	-146	-182	-189	-192	-171	-110	-47	11
330	121	131	128	92	44	-4	-60	-144	-186	-172	820	79	134	157	159	108	55	-2	-50	-71	-60
340	-123	-63	-142	-138	-90	-37	18	63	80	69	830	-83	-58	19	38	40	41	44	50	51	39
350	-27	-93	-49	-27	2	35	53	54	49	49	840	11	-27	-73	-78	-68	-12	49	122	170	165
360	33	-14	-50	-49	-20	-53	-37	-55	-45	-29	850	146	79	2	-91	-148	-150	-115	-73	-34	-11
370	26	15	-2	-23	47	38	24	13	2	0	860	-6	16	36	55	57	58	44	12	-22	-39
380	-11	0	-6	-12	47	18	-11	4	25	5	870	-39	-11	43	89	117	119	106	36	76	-147
390	40	40	19	-2	-23	-34	-33	-16	9	25	880	-188	-143	-113	-105	-97	-264	-274	-200	181	146
400	31	21	0	-29	-55	-68	-68	-54	-31	-15	890	80	1	-103	-49	30	114	178	200	181	146
410	-9	-5	6	23	44	62	72	63	33	-7	900	116	168	209	247	242	130	29	-49	-98	-168
420	-33	-33	-16	6	12	10	-69	-101	-113	-113	910	224	-249	-263	-200	-116	-20	56	117	151	176
430	440	-101	-71	-31	13	55	91	111	116	-108	920	185	173	132	88	28	-2	-35	-72	-103	-124
440	88	47	2	-41	-85	-140	-114	-108	-93	-93	930	109	129	129	-129	-121	-90	-61	-35	-13	28
450	460	70	-45	-20	9	45	74	90	94	83	940	101	118	129	129	123	124	126	127	126	108
460	15	-32	-83	-112	-111	-82	-35	-3	20	52	950	-24	-140	-243	-260	-269	-196	-68	69	139	205
470	15	-32	-83	-112	-111	-82	-35	-3	20	52	1000	-24	-140	-243	-260	-269	-196	-68	69	139	205
480	81	98	102	75	19	-30	-73	-109	-117	-106	1020	-24	-140	-243	-260	-269	-196	-68	69	139	205

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 EAST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	274	319	308	259	201	128	15	-106	-197	-253
1040	-242	-190	-122	-58	12	413	136	142	143	143
1050	1050	128	83	17	-37	-69	-76	-33	3	45
1060	64	48	4	-40	-77	-108	-126	-112	-63	-11
1070	22	54	82	98	98	83	55	20	-4	-18
1080	-13	2	38	73	95	101	89	45	-19	-73
1090	-120	-137	-115	-82	-53	-10	33	72	112	158
1100	493	187	137	72	5	-169	-75	-169	-995	-300
1110	-261	-139	10	100	164	246	315	338	314	255
1120	162	65	-52	-247	-360	-317	-240	-134	-27	-27
1130	146	229	280	324	340	298	190	60	-69	-187
1140	-223	-227	-187	-112	-22	45	80	92	91	78
1150	43	-5	-56	-89	-101	-42	-60	10	33	73
1160	-138	-109	-56	171	175	165	115	41	-17	-126
1170	-109	-56	-14	10	28	40	52	85	114	144
1180	141	165	171	146	93	43	25	-3	-76	-140
1190	-189	-209	-211	-186	-130	-59	23	138	200	210
1200	176	118	56	-16	-106	-178	-198	-184	-160	-124
1210	-79	-25	18	68	115	151	176	144	102	102
1220	64	11	-34	-67	-73	-70	-66	-59	-41	-32
1230	-23	-8	-15	-17	-16	-3	34	90	141	152
1240	152	133	101	66	29	-12	-33	-47	-80	-121
1250	-162	-199	-205	-202	-161	-79	6	67	126	140
1260	139	132	99	70	38	10	-37	-83	-84	-130
1270	-139	-106	-37	8	33	40	31	14	-35	-81
1280	-107	-86	-46	22	77	102	99	70	35	-3
1290	-20	-12	31	63	70	80	91	107	140	184
1300	205	192	137	59	-14	-63	-103	-122	-119	-108
1310	-73	-15	37	95	153	180	186	179	143	98
1320	37	-17	-52	-58	-58	-53	-34	-1	38	80
1330	101	116	136	150	151	136	79	1	-66	-107
1340	-131	-134	-120	-82	-28	31	76	114	124	123
1350	116	92	57	14	-7	1	29	52	50	10
1360	-28	-87	-131	-157	-143	-81	6	92	167	220
1370	227	202	127	27	-68	-154	-205	-230	-203	-145
1380	-91	-41	3	33	79	131	145	190	209	215
1390	219	188	129	63	-31	-115	-136	-178	-187	-159
1400	-101	-51	-35	-32	-49	-93	-129	-134	-119	-71
1410	4	80	127	187	213	216	212	169	81	-49
1420	-185	-288	-314	-322	-283	-216	-113	12	150	244
1430	311	359	365	303	205	92	-66	-205	-384	-304
1440	-438	-399	-298	-190	-67	62	182	270	321	333
1450	334	290	244	181	85	12	-32	-57	-69	-78
1460	-82	-81	-78	-80	-15	24	36	42	44	47
1470	63	82	98	92	69	11	-91	-216	-256	-231
1480	-165	-91	-64	-31	-29	-27	-26	-27	-61	-124
1490	-201	-271	-312	-324	-275	-213	-120	-28	50	150
1500	285	327	359	309	254	140	7	-118	-280	-405
1510	-405	-244	-269	-176	-68	11	121	154	158	126
1520	67	-3	-70	-91	-52	5	81	137	143	80
1530	-29	-173	-317	-358	-363	-347	-289	-174	-26	125
1540	292	397	449	484	499	454	330	166	-1	-223
1550	-350	-397	-365	-265	-151	30	131	134	130	57
1560	-61	-143	-154	-73	60	254	367	414	401	47

TO BE CONTINUED

CONTINUED (S-1204 EAST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1570	306	52	-153	-344	-456	-951	-723	-740	-699	-477
1580	-264	-97	168	412	583	680	743	756	686	584
1590	380	122	-224	-606	-818	-865	-853	-705	-489	-240
1600	-128	46	269	360	400	452	463	370	185	-57
1610	-305	-439	-544	-865	-529	-431	-309	-191	-81	-2
1620	27	80	176	299	396	485	534	543	490	390
1630	158	-233	-440	-894	-662	-652	-546	-438	-210	111
1640	280	411	501	591	652	653	619	529	402	245
1650	71	-76	-226	-384	-478	-543	-618	-665	-682	-651
1660	-557	-471	-238	38	212	385	556	743	865	895
1670	866	768	600	292	19	-162	-263	-349	-383	-329
1680	-192	-22	124	248	306	265	94	187	-454	-600
1690	724	-782	-730	-568	-230	54	328	526	668	794
1700	790	552	209	-73	-273	-555	-896	-959	-899	-724
1710	-540	-240	-12	127	534	770	890	1065	1083	846
1720	457	139	-131	-661	-850	-894	-844	-741	-569	-315
1730	-27	263	388	509	579	525	240	0	-275	-486
1740	-552	-572	-555	-478	-306	-134	35	207	387	477
1750	501	507	479	389	316	270	257	252	243	245
1760	176	132	51	-66	-228	-405	-520	-591	-618	-583
1770	-469	-228	62	271	442	535	535	474	322	131
1780	-85	-324	-506	-714	-808	-803	-580	-357	-217	-14
1790	197	321	413	424	350	268	109	-17	-123	-246
1800	-301	-307	-285	-244	-205	-184	-169	-145	-138	-150
1810	-119	-49	22	103	223	330	422	477	514	521
1820	518	434	169	78	-54	-380	-441	-442	-347	-32
1830	148	412	597	670	722	659	566	413	151	154
1840	-382	-613	-784	-822	-792	-677	-484	-258	-63	123
1850	300	429	496	552	604	622	608	469	259	-10
1860	-240	-380	-454	-514	-519	-461	-353	-251	-113	-1
1870	81	141	186	226	272	273	284	146	43	-26
1880	-103	-167	-275	-353	-391	-419	-410	-363	-282	-209
1890	-148	-75	146	284	431	599	765	860	934	658
1900	340	59	95	355	546	687	765	860	934	658
1910	-667	-386	-100	-248	-446	-681	-810	-853	-798	-663
1920	283	-78	-161	-259	-299	-297	-273	-191	-5	167
1930	329	366	380	340	254	157	0	-291	-399	-399
1940	-453	-3	116	153	174	176	183	170	91	-89
1950	385	488	-699	-443	-312	-102	192	427	593	713
1960	775	753	631	321	31	191	419	536	615	932
1970	-944	-913	-621	-427	-198	1	190	355	496	550
1980	572	570	465	220	-24	-26	-15	39	138	232
1990	282	228	94	-78	-282	-402	-454	-477	-494	-504
2000	-587	-669	-617	-468	-214	39	204	327	514	766
2010	930	1069	1095	969	828	570	241	-120	-441	-599
2020	-856	-706	-731	-725	-695	-654	-609	-582	-535	-499
2030	-440	-303	-163	-6	377	525	686	859	997	1032
2040	824	927	230	-14	-181	-205	-484	-601	-609	-549
2050	345	-197	-83	73	86	174	254	373	481	547
2060	571	545	381	218	-23	-254	-548	-596	-624	-635
2070	-578	-484	-354	-179	-3	177	253	281	288	259
2080	224	194	198	248	-374	273	278	245	161	73
2090	-102	-256	-424	-510	-561	-607	-626	-577	-464	-312
2100	-129	43	202	331	378	400	348	260	79	-63

TO BE CONTINUED

CONTINUED (S-1204 EAST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-155	-197	-215	-214	-153	-81	-26	21	60	108
2120	154	216	268	334	338	386	423	431	420	360
2130	245	4	-195	-376	-652	-841	-884	-886	-837	-751
2140	-477	-185	19	195	511	648	730	783	865	870
2150	826	714	473	197	-75	-268	-404	-562	-625	-625
2160	-558	-470	-358	-227	-93	-36	-29	-79	-119	-151
2170	-461	-172	-337	-23	103	198	330	459	555	601
2180	616	604	667	261	67	-78	-249	-363	-488	-601
2190	-394	-360	-556	-552	-533	-466	-396	-294	-60	67
2200	194	504	611	712	783	783	697	392	79	-296
2210	-508	-617	-678	-672	-551	-399	-225	-107	21	109
2220	428	98	9	-70	-184	-211	-216	-209	-150	0
2230	175	331	453	540	607	702	700	654	609	505
2240	369	209	34	-116	-299	-372	-450	-502	-522	-524
2250	-463	-321	-201	-110	-16	51	80	95	95	87
2260	66	52	46	82	174	234	229	188	108	44
2270	35	20	-27	-171	-303	-422	-576	-691	-730	-701
2280	-600	-403	-188	43	242	361	520	607	650	640
2290	590	502	359	218	135	39	-127	-208	-281	-371
2300	-410	-423	-409	-337	-252	-201	-159	-111	-71	-14
2310	86	176	295	402	458	470	454	386	289	163
2320	7	-118	-177	-244	-312	-369	-421	-489	-528	-528
2330	-504	-423	-318	-321	-145	-66	47	198	352	414
2340	446	469	441	321	163	-10	-201	-361	-436	-475
2350	-667	-393	-275	-137	28	302	308	358	479	578
2360	606	667	693	647	532	282	31	-162	-874	-822
2370	-607	-622	-622	-585	-455	-274	7	169	274	464
2380	533	597	610	552	378	146	-82	-272	-528	-685
2390	-766	-800	-761	-663	-512	-242	-68	50	217	456
2400	641	734	819	825	748	541	269	-16	-329	-552
2410	-833	-844	-774	-606	-415	-241	-25	261	573	655
2420	742	893	969	985	930	801	507	213	-57	-305
2430	-576	-961	-1084	-1073	-1006	-748	-420	-93	142	311
2440	429	746	865	914	932	781	699	216	10	-187
2450	-410	-681	-784	-797	-765	-579	-889	-259	-136	-26
2460	98	230	326	413	474	489	477	408	295	57
2470	-109	-217	-326	-315	-319	-262	-196	-124	-60	0
2480	36	69	78	79	82	82	82	82	74	71
2490	72	71	29	-17	-232	-260	-281	-329	-296	-248
2500	-121	54	127	185	201	161	84	-16	-133	-214
2510	-276	-288	-245	-130	-47	42	142	262	330	367
2520	352	275	192	100	-18	-137	-258	-321	-341	-331
2530	-281	-200	-111	3	111	208	281	308	300	252
2540	191	135	73	16	-89	-180	-263	-342	-422	-445
2550	-401	-322	-225	-102	-5	102	198	247	290	321
2560	330	331	311	261	183	105	23	67	-158	-248
2570	-311	-327	-304	-247	-143	-11	158	331	478	549
2580	559	477	355	213	60	-130	-493	-709	-720	-648
2590	-506	-344	-139	148	414	560	628	651	574	437
2600	274	81	-165	-388	-523	-663	-657	-592	-512	-431
2610	-560	-240	-134	-21	62	130	204	296	389	437
2620	442	408	333	230	117	8	-122	-278	-422	-511
2630	-508	-626	-324	-225	-104	82	243	309	301	239
2640	122	22	-47	-120	-209	-266	-277	-266	-214	-128

TO BE CONTINUED

CONTINUED (S-1204 EAST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2650	-54	-7	38	90	148	217	295	353	360	370
2660	321	239	150	60	-57	-172	-280	-361	-384	-377
2670	-333	-256	-146	-73	47	189	284	316	275	180
2680	65	-55	-194	-326	-349	-287	-223	-146	-178	-178
2690	311	343	370	379	338	282	185	99	-14	-131
2700	-207	-233	-242	-212	-136	-34	62	122	140	131
2710	94	36	-3	-41	-90	-126	-94	-38	51	-58
2720	148	209	230	217	178	120	50	-6	-62	-143
2730	-203	-224	-234	-187	-114	-55	16	80	101	103
2740	85	40	-2	-16	-7	1	3	-13	-46	-79
2750	-148	-175	-180	-177	-173	-186	-177	-173	-186	-199
2760	2760	134	-47	59	147	232	331	445	468	364
2770	252	156	66	-31	-187	-270	-336	-358	-332	-288
2780	-194	-108	-33	30	87	162	237	311	353	362
2790	360	305	246	172	104	42	-13	-69	-118	-148
2800	-182	-208	-211	-180	-119	-63	-36	-29	-29	-29
2810	-30	-31	-32	-36	5	62	121	175	121	227
2820	240	237	159	72	-22	-113	-231	-324	-356	-356
2830	-352	-301	-224	-137	-42	57	152	201	216	218
2840	197	118	38	-36	-94	-101	-99	-91	-62	-16
2850	15	46	46	70	75	106	164	174	196	201
2860	180	125	40	-51	-151	-244	-347	-352	-286	-175
2870	-79	11	116	202	244	251	222	128	38	-52
2880	-134	-248	-345	-384	-318	-223	-105	30	124	244
2890	350	394	407	371	286	175	63	-90	-220	-375
2900	-482	-523	-535	-492	-402	-295	-184	-10	204	339
2910	410	502	529	534	448	336	231	129	1	-141
2920	-290	-334	-398	-334	-248	-209	-145	-93	37	29
2930	33	41	52	61	77	67	23	21	-94	-167
2940	-239	-279	-262	-182	-94	-20	95	244	280	289
2950	255	199	168	105	26	-52	-124	-180	-237	-263
2960	-287	-292	-287	-271	-236	-193	-149	-82	0	105
2970	183	271	375	447	494	497	454	376	276	144
2980	-40	-239	-336	-359	-383	-406	-433	-437	-398	-331
2990	320	105	19	124	198	251	306	354	373	375
3000	320	236	131	13	-116	-241	-311	-338	-351	-334
3010	-273	-187	-106	-40	27	95	169	263	350	407
3020	416	416	348	264	153	0	-167	-389	-518	-595
3030	-648	-622	-537	-384	-201	-10	179	331	405	476
3040	519	487	386	240	59	-160	-276	-301	-268	-204
3050	-42	-19	74	16	60	102	128	149	164	167
3060	42	-19	-74	-131	-169	-179	-179	-166	-154	-151
3070	-153	150	170	128	-89	-8	71	122	158	184
3080	200	190	142	92	62	31	10	-63	-116	201
3090	-165	-192	-185	-144	-85	5	152	227	243	211
3100	171	84	-3	-66	-146	-220	-345	-413	-431	-396
3110	-316	-193	-114	-180	198	182	112	-13	36	94
3120	26	-35	-114	-180	198	182	112	-13	36	94
3130	137	185	168	135	76	7	-60	-116	-136	-101
3140	-23	51	118	180	237	307	341	334	277	178
3150	176	47	-96	-235	-312	-381	-393	-357	-279	-178
3160	-43	20	107	181	216	225	199	165	101	35
3170	-59	-147	-216	-266	-291	-250	-223	-160	-89	-5
3180	87	123	137	142	141	120	63	25	8	-18

TO BE CONTINUED

CONTINUED(S-1204 EAST)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
3190	-36	-52	-42	-26	40	91	114	109	35	-91	
3200	-147	-323	-250	-218	-135	-40	62	153	240	297	-234
3210	316	306	279	217	121	65	-62	-192	-263	-274	172
3220	-251	-176	-31	-5	47	76	66	50	-6	-58	21
3230	-76	-70	-17	48	108	122	124	109	81	23	-86
3240	-54	-168	-370	-311	-279	-209	-119	-23	73	161	-50
3250	201	248	297	320	293	217	120	-20	-105	-278	43
3260	-306	-324	-285	-215	-142	-45	18	41	78	104	134
3270	107	115	104	72	23	-39	-78	-107	-125	-126	-163
3280	-115	-71	5	69	113	148	181	178	146	110	5
3290	70	28	-22	-91	-152	-205	-236	-211	-133	-38	130
3300	64	172	243	309	321	300	244	94	-114	-231	112
3310	-261	-237	-166	-80	-41	52	101	146	162	148	-47
3320	103	39	-14	-50	-65	-51	-14	26	49	41	-56
3330	3	-42	-69	-112	-155	-165	-118	-59	25	-59	78
3340	96	132	148	148	104	-24	-156	-289	-398	-432	32
3350	-629	-363	-256	-125	12	153	277	371	430	450	176
3360	450	383	310	229	93	-22	-126	-217	-307	-376	260
3370	-388	-362	-281	-169	-63	35	145	247	317	348	188
3380	328	255	141	10	-120	-201	-190	-347	-263	-177	-104
3390	-46	82	190	285	368	379	340	242	89	-88	245
3400	-240	-362	-488	-508	-424	-302	-140	3	157	300	-212
3410	381	425	420	363	209	63	-59	-148	-231	-266	148
3420	-242	-214	-141	-72	0	35	43	46	33	15	-71
3430	1	-2	16	61	122	152	170	178	167	153	34
3440	110	70	37	8	-46	76	-128	-188	-221	-270	88
3450	-240	-222	-162	-109	-50	9	70	114	159	186	132
3460	188	185	120	49	-31	-117	-170	-164	-110	-27	-296
3470	65	138	197	222	226	226	196	123	53	-5	194
3480	-95	-187	-241	-323	-330	-296	-216	-125	-46	59	105
3490	137	161	174	149	79	14	-61	-129	-130	-115	-285
3500	-66	-27	38	98	148	190	208	210	172	86	151
3510	15	-66	-155	-158	-205	-190	-158	-114	-105	-64	-72
3520	-24	26	69	118	168	200	211	189	135	55	54
3530	-34	-152	-234	-243	-215	-145	-65	30	147	275	79
3540	322	347	326	255	175	72	-56	-189	-280	-331	142
3550	-348	-307	-226	-124	4	59	95	108	97	50	170
3560	-52	-131	-168	-182	-154	-103	-24	54	135	194	-126
3570	253	281	281	246	145	22	-103	-278	-381	-345	270
3580	-278	-196	-102	8	134	253	351	414	434	383	186
3590	278	116	-88	-219	-341	-444	-689	-679	-419	-289	136
3600	-135	-14	96	207	310	368	388	345	251	129	87
3610	6	-98	-178	-221	-245	-213	-139	-45	60	144	183
3620	182	198	195	145	64	7	-74	-156	-216	-265	117
3630	252	-195	-131	58	13	61	81	87	91	91	19
3640	88	92	96	100	108	141	104	85	61	33	25
3650	-14	-83	-136	-173	-193	-189	-169	-129	-83	37	26
3660	122	205	271	294	257	201	138	55	-57	-141	33
3670	-168	-178	-179	-152	-102	-74	-29	59	134	197	-136
3680	233	244	208	137	56	-19	-81	-128	-151	-144	92
3690	-119	-78	-25	20	61	109	152	175	184	166	-61
3700	139	83	0	-110	-211	-266	-278	-246	-186	-123	93
3710	-55	0	60	131	197	238	249	222	102	-32	-70
3720	-112	-165	-239	-256	-204	-172	-103	-47	4	62	204

TO BE CONTINUED

CONTINUED: S-1204 EAST

CONTINUED: S-1204 EAST

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
4370	185	142	73	-8	-70	-139	-217	-261	-278	-254		4810	-201	-199	-142	-55	-2	75	121	134	135	
4380	-168	-105	-23	41	63	63	37	-16	-60	-89		4820	89	50	36	28	22	40	67	77	75	
4390	-105	-90	-47	7	61	115	161	187	201	204		4830	56	37	-1	-50	-91	-151	-155	-143	-93	
4400	165	90	-3	-81	-128	-186	-235	-241	-204	-125		4840	-29	25	52	84	106	104	91	91	78	68
4410	-47	2	68	135	138	146	152	153	146	122		4850	51	23	0	-29	-64	-89	-111	-127	-178	-129
4420	78	9	-37	-89	-146	-173	-182	-168	-119	-54		4860	-125	-104	-69	-10	-112	-187	-244	-244	-383	300
4430	2	42	64	106	147	173	199	208	202	187		4870	275	219	125	-7	67	100	128	155	142	105
4440	98	2	-74	-141	-191	-204	-185	-106	-44	16		4880	-193	-64	-7	67	100	128	155	142	105	3
4450	81	137	198	255	277	282	252	185	90	-12		4890	69	42	10	-1	-5	-14	-15	-12	-4	3
4460	-116	-180	-215	-223	-188	-140	-82	-23	30	82		4900	12	14	5	-22	-56	-75	-35	-29	24	64
4470	128	150	154	111	36	-52	-121	-155	161	-144		4910	138	189	217	205	167	110	30	-49	-88	-126
4480	-108	-64	-29	-7	10	30	53	59	59	40		4920	-172	-199	-172	-105	-36	15	57	-80	91	109
4490	9	-14	-24	-26	-26	3	50	82	79	113		4930	113	114	99	51	25	-31	-77	-80	-96	-97
4500	120	121	110	62	68	62	54	53	53	53		4940	-87	-71	-51	-23	4	39	62	67	78	91
4510	52	-6	-73	-145	-202	-255	-282	-292	-248	-190		4950	60	37	61	29	-3	-40	-75	-98	-106	-95
4520	-20	69	115	136	156	155	105	71	29	29		4960	-66	-23	30	59	83	63	24	-13	-46	-46
4530	-4	-11	-10	32	82	108	112	103	52	-11		4970	-61	-68	-59	-27	-1	26	60	75	80	73
4540	-74	-138	-180	-196	-178	-131	-75	-10	25	88		4980	71	58	23	-22	-63	-99	-122	-178	-115	-70
4550	144	174	189	190	142	73	-4	-90	-140	-197		4990	-6	47	84	109	120	121	85	38	0	-35
4560	-230	-233	-232	-212	-166	-103	-36	34	98	165		5000	-59	-67	-67	-30	23	77	125	168	209	234
4570	225	257	263	253	179	92	11	-74	-127	-213		5010	238	181	75	-18	-123	-194	-244	-259	-257	-208
4580	-261	-298	-302	-285	-214	-87	1	86	187	349		5020	-139	-66	18	84	126	139	141	134	86	-28
4590	275	267	206	99	5	-73	-110	-178	-270	-262		5030	-99	-129	-143	-148	-139	-106	-70	-22	26	63
4600	-237	-197	-110	-74	-13	34	97	140	178	206		5040	70	70	74	70	68	55	35	24	2	2
4610	217	217	206	153	88	30	-33	-63	-102	-106		5050	-13	-24	-29	-32	-27	-20	12	1	13	24
4620	-119	-125	-122	-120	-117	-104	-61	-20	35	51		5060	33	39	39	31	-5	-23	-34	-36	-30	-12
4630	78	89	85	79	74	73	73	73	73	66		5070	7	29	59	75	82	85	81	68	39	-19
4640	43	-6	-59	-93	-124	-138	-139	-146	-146	-112		5080	-47	-95	-140	-150	-127	-79	-6	59	105	105
4650	-37	53	99	116	126	115	78	17	-31	-76		5090	142	157	155	122	60	31	-15	-29	-19	-44
4660	-102	-118	-118	-112	-81	-28	9	27	24	13		5100	0	44	14	8	-11	-24	-26	-27	-16	-12
4670	-18	-36	-36	-30	-8	6	34	39	35	36		5110	-3	-2	3	5	-1	-8	1	4	5	5
4680	66	-6	-26	-50	-49	-25	4	24	57	65		5120	7	2	-10	-37	-62	-77	-102	-107	-107	-105
4690	63	56	48	42	31	18	-2	-23	-48	-57		5130	-68	-7	15	39	43	41	33	29	26	26
4700	-44	-9	35	77	99	105	95	74	41	7		5140	26	26	26	26	23	-10	-18	-22	-49	-51
4710	-26	-50	-37	-5	36	76	93	92	81	52		5150	-62	-27	-6	3	22	38	47	57	71	78
4720	7	-36	-72	-89	-91	-67	-27	18	71	124		5160	84	88	95	96	98	92	59	23	-16	-50
4730	168	205	224	228	198	141	86	22	-58	-124		5170	-71	-80	-80	-74	-48	-21	1	20	26	28
4740	-160	-173	-175	-154	-107	-37	40	98	121	176		5180	78	27	27	27	29	32	30	19	-2	-14
4750	97	20	-61	-125	-172	-194	-180	-144	-101	-72		5190	-9	-15	2	19	29	37	40	57	67	70
4760	-52	-38	-6	69	107	131	133	105	88	88		5200	70	54	41	10	-29	-69	-103	-121	-117	-68
4770	1	-66	-74	-102	-115	-110	-100	-86	-73	70		5210	-6	-4	29	56	80	83	69	23	-65	-68
4780	64	97	120	128	135	138	131	114	85	39		5220	-102	-114	-100	-66	-31	-12	45	54	84	100
4790	0	-32	-82	-119	-138	-146	-146	-111	-67	-22		5230	103	102	84	56	-6	-83	-61	-86	-92	-93
4800	19	46	59	61	61	89	86	92	103	111		5240	-71	-41	-17	10	44	81	111	128	138	139
4810	177	75	11	-56	-102	-127	-130	-116	-77	-7		5250	156	93	48	-10	-69	-121	-149	-154	-139	-117
4820	59	87	99	76	23	-41	-67	-100	-134	-136		5260	-68	-36	7	32	62	106	130	133	122	86
4830	-127	-100	-81	-64	-39	-25	-22	-22	-43	-56		5270	25	-39	-9	-12	-154	-104	-53	-4	86	86
4840	-57	-17	60	117	151	176	209	216	219	219		5280	108	120	90	58	-11	-54	-75	-85	-82	-82
4850	150	51	-60	-103	-173	-212	-184	-130	-73	-24		5290	-64	-31	6	44	72	82	82	53	0	55
4860	34	97	161	199	203	202	136	34	-58	-154		5300	-98	-158	-152	-179	-176	-156	-109	-51	0	52
4870	-196	-217	-220	-214	-166	-85	-31	-15	27	73		5310	91	116	159	135	136	116	61	6	-36	-60
4880	88	91	104	119	114	103	77	49	2	-35		5320	-69	-71	-51	-35	-22	-2	19	37	62	79
4890	-60	-92	-75	-74	-63	-49	-36	-20	-5	40		5330	90	94	90	60	8	-45	-96	-135	-136	-100
4900	82	120	125	122	85	19	-37	-109	-174	-174		5340	-54	-14	24	53	73	82	86	87	73	47

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1204 EAST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5890	35	31	24	13	-1	-14	-26	-32	-33	-21
5900	5	30	53	79	97	106	109	100	76	42
5910	0	-46	-80	-96	-104	-93	-56	-5	31	60
5920	74	73	65	53	41	33	32	32	23	1
5930	-12	-20	-36	-44	-31	-11	12	36	51	57
5940	59	50	39	24	0	-14	-19	-22	-20	-14

END

CONTINUED(S-1204 EAST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5750	23	-4	-26	-35	-36	-32	-22	-9	-4	-1
5760	-2	-4	-6	-6	1	10	22	31	33	27
5770	15	7	4	12	22	37	45	46	45	21
5780	-26	-72	-100	-113	-117	-121	-95	-51	7	57
5790	116	157	190	204	189	162	114	58	-12	77
5800	-101	-105	-95	-79	-50	-20	2	23	35	36
5810	36	29	15	-1	-32	-48	-62	-63	-60	-49
5820	-2	38	61	72	54	50	15	-21	-52	-68
5830	-86	-73	-41	-11	33	81	94	115	122	130
5840	121	70	9	-42	-75	-101	-122	-127	-126	-108
5850	-96	-78	-44	-34	-4	17	46	89	111	113
5860	123	125	120	90	63	59	18	-25	-43	-48
5870	-46	-38	-31	-20	-12	-9	-5	-6	-9	-14
5880	-17	-22	-31	-40	-44	-23	-3	19	52	68
5890	69	69	41	3	-27	-52	-70	-81	-75	-68
5900	-17	-11	-1	51	89	98	100	94	65	19
5910	-27	-71	-88	-99	-106	-101	-67	-24	20	64
5920	102	124	132	124	93	55	18	-15	-42	-43
5930	-27	-16	1	23	40	47	46	39	34	31
5940	34	34	29	17	-10	-33	-57	-67	-69	-61
5950	-34	0	16	50	78	89	102	105	92	62
5960	37	14	-16	-23	-21	-16	-8	-4	-7	-15
5970	-23	-25	-16	10	44	74	101	122	129	109
5980	61	6	-46	-93	-125	-145	-155	-163	-100	-65
5990	13	64	98	126	150	144	145	129	84	37
6000	-3	-50	-81	-123	-139	-139	-112	-55	14	75
6010	122	160	177	178	150	82	18	-31	-91	-131
6020	-143	-144	-106	-35	22	61	87	100	103	96
6030	76	46	14	-15	-38	-46	-44	-40	-33	-23
6040	-19	-17	-15	-11	7	29	52	83	102	111
6050	111	93	50	-1	-68	-78	-94	-100	-90	-61
6060	-37	-16	-7	3	12	32	43	50	49	49
6070	27	2	-15	-32	-63	-38	-27	-3	26	49
6080	61	62	55	33	13	5	4	7	22	33
6090	40	42	42	35	25	23	24	28	42	53
6100	63	70	72	72	69	42	3	-41	-80	-104
6110	-111	-98	-65	-25	6	39	78	101	111	111
6120	114	109	68	34	3	-16	-32	-33	-25	-25
6130	-18	-11	-6	9	16	31	38	42	48	49
6140	49	39	10	-2	-28	-36	-36	-35	-18	4
6150	26	45	66	77	76	59	16	-24	-64	-80
6160	-81	-45	4	57	109	121	141	144	142	105
6170	48	-4	-38	-68	-74	-65	-41	-13	16	45
6180	59	60	59	43	12	-15	-18	-35	-45	-40
6190	-40	-40	-42	-40	-29	-8	31	67	95	113
6200	113	106	69	58	14	-63	-117	-139	-160	-151
6210	-132	-94	-45	20	65	94	128	140	140	129
6220	78	22	-7	-21	-33	-39	-44	-44	-42	-37
6230	-35	-32	-20	-6	7	22	35	35	33	26
6240	24	25	29	33	37	41	47	52	52	53
6250	47	27	10	-6	-21	-37	-47	-57	-57	-42
6260	-21	2	28	46	59	66	62	45	16	-9
6270	-16	-21	-15	5	27	32	33	36	37	38
6280	39	40	42	42	42	42	42	41	40	38

TO BE CONTINUED

RECORD = S-1204 COMPONENT = SOUTH STATION = MIYAKO-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 6000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CONNECTION POINT IN DATA NUMBER= 3011, 6000,

CONTINUED(S-1204 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
0	6	43	21	28	35	43	50	57	66	75											
10	84	93	102	108	107	107	107	104	73	43											
20	12	-16	-42	-68	-94	-79	-63	-47	-28	-8											
30	12	51	91	123	141	159	121	77	34	7											
40	-49	-70	-92	-97	-99	-83	-59	-25	16	55											
50	91	128	185	182	82	30	-21	-68	-110	-135											
60	-132	-97	-56	-11	27	59	77	84	86	81											
70	64	35	6	-22	-53	-62	-96	-99	-66	41											
80	29	71	99	117	125	125	96	41	0	-20											
90	-31	-43	-39	-38	-35	-29	-27	2	25	44											
100	60	67	70	61	34	-2	-4	3	26	50											
110	63	61	44	31	18	-17	-55	-83	-102	-101											
120	-59	-4	24	57	93	118	129	129	112	86											
130	32	-13	-68	-97	-110	-126	-138	-99	-68	14											
140	66	102	128	137	136	109	73	42	18	3											
150	-5	-7	-7	-6	6	22	38	49	55	44											
160	-4	-59	-100	-113	-114	-87	-33	30	77	98											
170	99	100	100	100	97	74	44	31	9	-7											
180	-27	-43	-70	-71	-56	-35	-16	17	63	95											
190	116	95	35	-17	-62	-111	-107	-71	-15	41											
200	81	100	107	109	78	18	18	-14	-51	-81											
210	-61	-35	5	45	87	112	99	42	-22	-67											
220	-89	-93	-89	-6	35	54	65	58	46	8											
230	-44	-88	-88	-79	-33	30	77	98	111	115											
240	112	55	2	-56	-85	-111	-114	-114	-105	-48											
250	-13	30	55	80	103	176	131	131	96	40											
260	-54	-115	-119	-85	-34	43	53	56	26	26											
270	-5	-36	-54	-58	-55	-17	25	43	44	53											
280	72	90	114	119	93	47	-8	-41	-70	-115											
290	-141	-138	-131	-108	-89	-63	-40	-2	56	124											
300	163	188	201	184	124	65	-60	-90	-140	-169											
310	-164	-82	8	87	125	155	186	177	87	20											
320	-202	-233	-239	-220	-129	-25	78	130	196	66											
330	190	142	80	7	-62	-111	-114	-122	-111	-51											
340	30	37	55	39	-6	-61	-88	-90	-62	-24											
350	25	64	117	127	94	47	-18	-42	-43	-24											
360	-10	-17	-37	-68	-87	-85	-86	-41	4	46											
370	75	88	88	88	88	87	88	81	61	45											
380	3	-88	-85	-87	-96	-74	-11	32	58	75											
390	94	98	72	-10	-104	-142	-142	-143	-113	-25											
400	67	135	167	184	187	177	125	33	-33	-66											
410	-94	-14	-118	-123	-127	-121	-76	-8	28	66											
420	97	125	144	144	144	144	144	-22	-85	-139											
430	-186	-188	-185	-92	3	80	144	183	187	167											
440	128	168	-42	-110	-171	-208	-245	-155	-63	13											
450	81	137	172	183	166	125	68	5	-57	-69											
460	-65	-28	25	60	74	71	45	-4	50	81											
470	-104	-116	-105	-58	6	59	105	154	179	174											
480	127	68	5	-66	-138	-159	-165	-165	-98	-12											

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1204 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-43	1	45	98	136	157	154	122	67	1
1040	-85	-138	-143	117	-85	113	184	101	197	
1050	131	26	-86	-191	-209	-186	-149	-99	-42	5
1060	58	99	133	166	162	166	127	61	2	
1070	-43	-82	-112	-137	-166	-202	-190	-137	-52	
1080	21	81	125	143	145	143	101	99	99	
1090	92	81	72	41	-23	-110	-190	-229	-242	
1100	-235	-196	-135	-63	8	132	231	266	243	195
1110	120	8	-100	-205	-247	-233	-151	-83	154	
1120	280	307	317	244	154	47	103	-231	-307	-266
1130	-185	-93	7	120	193	218	205	186	93	-36
1140	-149	-234	-302	-307	-179	-74	-78	-183	-257	-225
1150	271	342	348	287	207	71	-78	-183	-257	-225
1160	-137	-21	89	170	206	212	182	86	-9	-100
1170	-126	-127	-126	-84	-4	57	83	113	122	63
1180	-26	-107	-151	-170	-175	-175	-116	-3	88	105
1190	174	191	140	128	98	63	34	2	-22	-69
1200	-177	-189	-180	-169	-145	-121	-87	-75	18	113
1210	171	200	241	317	333	324	226	70	-51	-122
1220	-163	-213	-234	-253	-261	-186	-114	-20	98	203
1230	283	239	229	216	214	81	-54	-137	-225	-285
1240	-327	-314	-236	-142	-29	107	163	201	233	227
1250	171	114	55	26	7	-39	-95	-133	-133	-133
1260	-117	-76	-13	27	54	53	1	-55	-97	-103
1270	-86	-6	22	79	118	140	144	119	42	-35
1280	-52	-77	-74	-39	-12	1	69	140	163	213
1290	229	212	146	36	-95	-175	-270	-209	-173	17
1300	121	192	228	236	223	154	2	-125	-267	-362
1310	-345	-305	-221	-151	-65	55	182	269	314	331
1320	293	192	73	-70	-151	-263	-298	-307	-263	-161
1330	-60	38	115	167	225	260	281	260	181	62
1340	-53	-81	-141	-162	-152	-102	-58	-6	14	12
1350	-9	-32	-67	-77	-64	-14	31	54	55	50
1360	27	15	15	16	23	47	77	84	69	22
1370	-26	-58	-72	-80	-85	-72	-33	11	51	87
1380	145	185	201	202	191	138	50	-36	-148	-264
1390	-344	-370	-307	-313	-111	0	91	125	143	164
1400	169	184	160	165	172	171	140	48	-82	198
1410	-319	-414	-432	-425	-341	-236	-120	-4	137	274
1420	344	381	393	326	197	61	-60	-184	-265	-299
1430	-305	-227	-104	50	171	222	241	232	198	155
1440	117	80	55	48	58	79	96	110	110	69
1450	-21	-132	-238	-357	-488	-505	-495	-424	-346	-256
1460	-97	88	248	354	425	451	442	335	207	53
1470	-72	-142	-220	-323	-473	-499	-483	-399	-268	-104
1480	59	189	289	401	400	420	489	506	493	431
1490	350	59	-114	-269	-435	-508	-557	-531	-455	-388
1500	-321	-115	48	338	457	544	635	651	483	232
1510	-169	-394	-523	-579	-600	-511	-360	-227	2	227
1520	405	528	552	513	415	263	322	445	-430	-327
1530	-227	-93	36	148	269	304	226	86	-111	-250
1540	-353	-376	-354	-269	-152	18	208	297	378	404
1550	354	216	76	-229	-351	-364	-350	-219	-42	134
1560	254	279	290	248	72	-96	-224	-414	-509	-474

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 SOUTH)

CONTINUED (S-1204 SOUTH)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	210	44	-59	-84	-77	-106	-177	-310	-488	-579
2120	-628	-638	-628	-538	-380	-200	-15	194	447	804
2130	621	556	420	176	-8	-262	-442	-466	-397	-212
2140	267	131	30	168	372	547	572	504	352	-101
2150	-399	-683	-775	-709	-541	-348	-158	200	390	572
2160	675	854	732	732	406	140	-21	-211	-761	-949
2170	-1009	-938	-773	-544	-304	54	309	580	851	953
2180	1011	999	716	308	133	-143	-405	-645	-712	-723
2190	-721	-682	-585	-486	-359	-146	29	111	188	252
2200	321	395	461	478	459	401	311	209	113	77
2210	-257	-453	-485	-410	-273	-117	49	261	352	402
2220	341	229	85	144	-296	-299	-194	-50	81	257
2230	481	618	618	618	502	321	62	-211	-554	-770
2240	-813	-764	-639	-625	-242	-66	66	169	210	200
2250	144	78	-19	-146	-210	-197	-62	65	177	245
2260	195	70	-63	-245	-352	-421	-405	-315	-191	-48
2270	170	273	315	336	302	237	166	91	52	-141
2280	-243	-376	-459	-422	-302	-146	6	165	338	507
2290	615	650	594	461	297	-39	-458	-550	-617	-620
2300	-557	-439	-320	-206	-85	55	207	295	324	325
2310	301	264	215	152	75	20	-18	-58	-130	-253
2320	-368	-411	-360	-253	-116	24	141	289	446	519
2330	561	558	498	397	212	23	-74	-173	-228	-209
2340	-171	-152	-146	-144	-147	-133	-102	-89	-129	-203
2350	-258	-289	-176	-40	103	272	414	503	534	519
2360	434	289	133	-135	-411	-529	-675	-744	-719	-645
2370	-462	-328	-173	-4	127	221	309	375	408	410
2380	335	232	129	28	-53	-81	-62	-12	36	112
2390	20	-9	-30	-60	-84	-74	-21	72	153	194
2400	210	221	194	123	9	-101	-213	-274	-281	-265
2410	-210	-123	-32	58	132	220	325	388	424	343
2420	218	83	-154	-361	-423	-531	-568	-523	-410	-238
2430	-71	74	194	306	376	423	469	460	377	148
2440	-110	-358	-545	-565	-513	-604	-279	-145	117	282
2450	373	412	437	441	430	346	187	101	22	-87
2460	-249	-342	-369	-348	-294	-199	-89	-3	61	155
2470	255	333	368	413	449	451	427	324	127	-74
2480	-258	-334	-263	-165	-45	39	121	255	344	364
2490	355	289	173	19	-123	-267	-364	-455	-512	-498
2500	-425	-321	-169	-19	268	467	602	584	471	310
2510	185	-125	-451	-557	-580	-527	-424	-284	-58	121
2520	258	401	481	539	568	565	591	517	374	472
2530	-98	-264	-378	-473	-503	-508	-504	-497	-479	-430
2540	-360	-294	-205	-4	203	331	427	512	553	572
2550	538	424	268	125	13	-96	-168	-201	-231	-248
2560	-223	-133	-16	77	161	214	259	292	345	391
2570	403	375	259	11	-198	-392	-435	-450	-413	-323
2580	-198	-55	73	220	328	374	347	227	127	18
2590	-64	-127	-184	-194	-154	-164	-143	-45	30	57
2600	103	126	129	89	48	28	26	42	60	64
2610	36	-49	-105	-181	-331	-516	-689	-736	-719	-620
2620	-370	-44	-175	-12	329	605	846	940	911	691
2630	472	204	-151	-439	-739	-743	-627	-425	-244	-49
2640	202	366	413	372	318	217	34	-175	-293	-323

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1204 SOUTH)

CONTINUED(S-1204 SOUTH)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		(6)	(7)	(8)	(9)	(10)					
	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	21	-102	-201	-242	-260	-262	-215	-131	-34	27	3730	28	67	78	85	81	51	-11	-94	-138	-170
3200	173	203	186	120	32	31	18	14	12	97	3740	-199	-188	-146	-76	8	78	146	188	202	203
3210	-46	-60	-57	-42	-41	-31	-8	20	53	86	3750	199	87	73	-198	-220	-187	-122	168	18	74
3220	130	121	68	-10	-108	-253	-373	-399	-364	-274	3760	125	151	156	127	67	-23	-137	-237	-253	297
3230	-189	-85	30	135	227	290	292	251	133	-14	3770	-189	-126	-71	-13	41	127	194	249	288	287
3240	-131	-213	-242	-227	-188	-160	-145	-60	-7	19	3780	234	118	56	17	-99	-251	-286	-297	-281	-252
3250	25	-3	-68	-124	-129	-57	16	109	205	325	3790	-185	-80	-11	45	106	142	181	164	141	115
3260	457	507	456	281	75	-32	140	-351	-523	-553	3800	25	-90	-151	-195	-156	-85	-22	42	119	200
3270	-544	-610	-286	-161	-30	157	289	422	493	511	3810	216	60	163	95	-8	-86	-168	-192	-87	-47
3280	504	423	256	76	-37	-146	-198	-232	-263	-258	3820	0	83	130	143	137	87	187	183	162	107
3290	-206	-134	-69	-8	29	36	30	29	32	32	3830	22	-79	-173	-199	-137	85	10	87	119	151
3300	50	71	91	130	149	148	120	56	3	-26	3840	482	168	167	109	31	-101	-214	-276	-295	-279
3310	-35	-38	-54	-90	-125	-153	-177	-200	-204	-175	3850	-234	-159	-140	-111	185	191	191	142	67	67
3320	124	-72	-17	32	62	73	76	88	103	104	3860	-10	-62	-109	-79	-42	-12	24	45	57	55
3330	73	-5	-122	-255	-313	-309	-266	-187	-84	-32	3870	35	-3	-30	-69	-70	-65	-41	34	119	163
3340	7	148	290	375	457	485	486	425	205	-26	3880	187	201	197	156	73	-22	-98	-203	-268	-266
3350	-214	-357	-426	-450	-403	-280	-160	-54	56	173	3890	-207	-113	-18	-61	147	206	246	271	216	216
3360	271	314	331	335	307	252	181	77	-80	-208	3900	117	34	-45	-122	-185	-178	-133	-97	-82	-23
3370	-281	-300	-237	-155	-74	15	113	199	274	335	3910	21	50	56	67	74	82	87	95	118	142
3380	368	361	374	308	200	97	-28	-126	-168	-300	3920	165	179	172	127	48	-45	-132	-214	-276	-306
3390	-415	-473	-486	-457	-409	-340	-244	-127	-34	75	3930	-272	-208	-163	-105	-34	32	106	204	296	295
3400	179	317	418	486	530	532	460	394	52	-123	3940	208	97	16	-92	-242	-326	-345	-326	-276	-204
3410	392	-537	-616	-657	-598	-494	-384	-246	3	202	3950	-128	-84	12	93	183	210	241	261	263	222
3420	344	507	597	592	508	373	223	-177	-440	-570	3960	144	48	-63	-162	-221	-336	-318	-191	-165	-130
3430	-607	-557	-461	-360	-288	-108	52	145	249	328	3970	-90	-27	54	122	161	173	176	160	123	65
3440	316	309	261	203	139	108	171	195	262	376	3980	5	-57	-78	-83	-84	-67	-38	-21	-22	21
3450	326	255	94	-53	-201	-373	-489	-562	-613	-635	3990	30	27	25	33	51	88	154	222	273	302
3460	-572	-411	191	134	296	465	560	599	593	593	4000	294	260	212	134	9	-101	-199	-264	-287	-259
3470	506	364	191	-114	-248	-371	-471	-497	-661	-666	4010	-199	24	-24	-54	-93	-119	-127	-117	-70	-1
3480	-268	-201	-89	47	160	269	348	361	294	196	4020	99	24	-24	-54	-93	-119	-127	-117	-70	-1
3490	103	19	-78	-102	-141	-156	-168	-120	-95	-31	4030	72	120	149	177	189	160	104	-7	-132	-235
3500	9	67	94	96	84	61	4	-68	-153	-251	4040	-314	-352	-326	-264	-191	-120	104	-7	-132	-235
3510	-350	-255	-140	-81	-23	47	123	215	292	292	4050	352	358	318	235	135	8	-142	-322	-414	-431
3520	345	343	286	171	39	-80	-162	-232	-269	-267	4060	-370	-261	-143	-19	86	175	213	238	210	169
3530	-205	-103	-19	61	89	93	83	24	-50	-134	4070	130	77	16	-30	-21	-3	0	1	1	6
3540	-708	-235	-193	-128	-60	4	96	163	190	196	4080	18	21	19	20	20	35	55	63	74	89
3550	189	159	133	95	38	-33	-110	-176	-234	-280	4090	100	107	95	86	66	26	3	-4	-25	-41
3560	-300	-267	-189	-91	15	138	283	386	440	447	4100	-70	-96	-112	-124	-118	-84	-32	4	33	74
3570	401	319	193	-15	-241	-359	-484	-519	-660	-356	4110	123	140	147	111	47	-28	-84	-132	-169	-172
3580	-211	-30	135	256	334	389	395	336	220	65	4120	-97	-166	-127	-87	4	76	139	173	172	159
3590	-109	-246	-290	-254	-168	-80	12	104	180	234	4130	97	33	-70	-180	-277	-304	-279	-213	-138	-66
3600	246	243	211	144	63	-53	-184	-280	-322	-318	4140	-7	86	214	232	318	342	250	168	46	-77
3610	-282	-216	-133	-47	44	156	244	269	275	246	4150	-301	-276	-284	-237	-137	-44	52	127	184	223
3620	162	0	81	-194	-274	-277	-237	-189	-139	-70	4160	251	268	247	184	54	-68	-183	-229	-232	-183
3630	0	81	168	240	286	303	266	192	115	43	4170	-119	-58	6	59	102	116	116	91	38	-18
3640	-62	-198	-273	-305	-305	-262	-187	-109	-35	57	4180	-69	-103	-119	-112	-104	-77	-8	73	144	221
3650	145	188	204	204	179	125	36	-55	-115	-198	4190	252	255	224	149	78	38	-37	-136	-295	-377
3660	-271	321	352	352	306	228	123	9	107	230	4200	-381	-332	-253	-174	-81	49	190	263	293	313
3670	261	321	352	352	306	228	123	9	107	230	4210	326	332	308	244	161	62	-31	-141	-226	-256
3680	-313	-335	-324	-271	-192	-107	-18	85	190	279	4220	-281	-283	-243	-179	-107	-30	50	134	188	205
3690	347	374	361	297	208	100	-38	-194	-287	-295	4230	199	195	81	-3	-55	-103	-145	-167	-177	-177
3700	-255	-197	-144	-103	-56	0	70	143	210	254	4240	-157	-91	-7	66	110	125	130	118	80	38
3710	267	269	219	146	73	7	-60	-122	-151	-155	4250	8	-3	-8	-13	-14	-30	-57	-74	-102	-142
3720	-141	-96	-53	-23	-13	-14	-22	-40	-48	-24	4260	-169	-178	-178	-157	-112	-61	0	54	96	127

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 SOUTH)												CONTINUED (S-1204 SOUTH)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
4270	140	115	47	-15	-44	-51	-49	-49	-49	-49	4810	29	53	83	101	111	112	108	96	84	62		
4280	-69	-130	-107	-139	-118	-86	-44	-15	-15	-15	4820	44	-20	10	-19	-48	-48	-78	-105	-106	-79		
4290	3	29	55	78	101	124	168	151	151	107	4830	-38	27	11	37	60	68	61	28	-4	-21		
4300	28	-53	-134	-200	-220	-160	-82	1	95	95	4840	-25	-22	12	51	66	89	92	89	76	49		
4310	178	232	285	288	289	214	96	-14	-129	-255	4850	29	-13	-55	-87	-112	-118	-105	-74	-38	-1		
4320	-317	-253	-299	-214	-125	-28	97	233	308	371	4860	28	47	54	48	17	-29	-68	-92	-85	-43		
4330	308	234	338	49	-26	-83	-149	-195	-176	-176	4870	13	68	116	137	151	126	54	1	-70	-120		
4340	-139	-83	-53	-40	-27	-15	2	11	26	26	4880	-149	-147	-124	-80	-26	12	46	79	97	95		
4350	41	45	49	50	50	35	5	-6	-25	-25	4890	88	81	72	55	33	14	-2	-14	-15	-3		
4360	-56	-65	-48	-21	21	53	90	156	166	126	4900	21	47	72	84	72	32	-26	-83	-129	-139		
4370	69	-12	-102	-183	-237	-244	-208	-123	-34	37	4910	-4	-66	-20	84	76	126	138	139	118	66		
4380	98	154	205	233	236	196	136	76	12	-54	4920	-4	-85	-145	-184	-201	-184	131	-58	7	63		
4390	-129	-211	-212	-155	-102	-41	24	90	137	167	4930	130	184	216	227	217	163	91	22	-41	-87		
4400	173	172	138	89	-6	-83	-128	-207	-288	-306	4940	-93	-83	-50	0	41	60	64	48	12	-35		
4410	-278	-217	-146	-96	-65	47	188	232	229	189	4950	-90	-126	-141	-145	-137	-91	-22	38	89	131		
4420	31	57	-24	-83	-144	-156	-88	-40	3	3	4960	158	164	133	92	47	-21	-89	-133	-147	-144		
4430	46	56	57	56	42	21	9	2	12	30	4970	-112	-60	-61	-121	-40	81	108	117	120	89		
4440	35	40	47	48	28	-8	-46	-58	-61	-55	4980	-13	-61	-121	-171	-198	-205	-205	-195	-156	-109		
4450	-40	-18	-10	-9	-31	-73	-123	-161	-175	-179	4990	-49	17	93	163	213	241	247	202	112	30		
4460	-151	-98	-55	-3	58	141	160	212	240	230	5000	-30	-101	-159	-172	-162	-138	-83	-24	26	78		
4470	154	85	5	-84	-137	-164	-134	-105	-95	-80	5010	125	162	171	175	173	126	69	23	-13	-35		
4480	-66	-63	-74	-78	-79	-41	15	71	88	-80	5020	-42	-41	-38	-37	-36	-34	-31	-25	-23	-23		
4490	103	110	106	91	33	-66	-125	-178	-196	-169	5030	-25	-32	-36	-40	-41	-33	-7	23	46	62		
4500	-106	-47	15	89	141	176	190	181	124	52	5040	71	72	70	44	6	-32	-65	-127	-147	-150		
4510	-28	-83	-125	-136	-139	-135	-109	-44	-13	37	5050	-138	-103	-54	-3	35	75	112	132	135	91		
4520	108	145	172	174	159	108	26	-75	-149	-188	5060	37	-12	-65	-102	-126	-135	-126	-90	-44	5		
4530	-188	-182	-147	-74	-4	35	67	89	90	90	5070	39	69	87	98	100	82	57	49	13	-45		
4540	78	27	-32	-81	-106	-102	-85	-65	-65	-22	5080	-93	-120	-125	-112	-74	-40	6	59	75	90		
4550	26	79	122	159	177	174	143	95	37	-19	5090	99	103	102	102	70	28	4	-20	-22	-31		
4560	-46	-48	-30	5	34	55	63	64	82	46	5100	-38	-39	-39	-32	-8	11	37	58	82	97		
4570	22	-16	-72	-118	-147	-182	-197	-169	-125	-82	5110	96	61	59	16	-4	-35	-53	-67	-67	-62		
4580	-16	98	166	195	209	208	185	136	78	16	5120	-43	-33	-16	0	16	24	23	1	-22	-40		
4590	-38	-79	-104	-115	-102	-58	-6	31	58	69	5130	-58	-64	-66	-38	-19	5	33	44	42	11		
4600	67	57	35	0	-34	-51	-53	-51	-44	-39	5140	-36	-72	-79	-77	-72	-48	-9	39	82	108		
4610	-38	-37	-38	-44	-55	-63	-46	-11	15	51	5150	118	132	139	137	123	102	67	25	-21	-72		
4620	87	116	134	141	129	95	52	14	-14	-33	5160	-105	-122	-109	-77	-27	19	57	83	96	98		
4630	-43	-42	-35	-24	-3	10	15	11	0	-14	5170	85	63	39	22	7	-9	33	-58	-80	-92		
4640	-23	-35	-53	-70	-78	-64	-26	10	40	-73	5180	-92	-93	-87	-68	-67	-63	-58	-41	-14	-1		
4650	91	95	97	82	44	-3	-42	-66	-72	-69	5190	8	15	22	33	47	59	73	76	90	13		
4660	-67	-63	-49	-29	-6	12	25	31	33	34	5200	-30	-76	-116	-137	-131	-103	-59	-8	42	90		
4670	27	20	16	17	20	32	52	63	54	34	5210	121	136	126	101	82	43	-5	-57	-98	-118		
4680	7	-28	-70	-119	-174	-245	-220	-164	-91	-90	5220	-132	-135	-111	-80	8	56	94	115	136	153		
4690	-20	42	110	166	206	231	238	214	142	70	5230	160	153	126	89	50	5	-39	-101	-161	-183		
4700	-7	-62	-97	-107	-108	-108	-74	-34	0	23	5240	-175	-143	-92	-37	14	64	103	121	103	62		
4710	45	60	65	66	65	50	25	-6	-32	-69	5250	19	-38	94	-137	-159	-145	-102	-51	-2	40		
4720	-95	-99	-78	-38	10	56	92	102	104	101	5260	81	114	124	119	102	80	50	6	-56	-119		
4730	90	73	53	17	-30	-90	-131	-153	-160	-143	5270	147	-159	-146	-114	-85	-15	28	81	119	141		
4740	-95	-29	7	71	107	130	135	124	104	83	5280	160	169	171	151	98	33	21	-69	-104	-116		
4750	48	15	-12	-43	-65	-80	-103	-127	-136	-126	5290	-109	-77	-38	-3	32	70	92	104	108	92		
4760	-81	0	55	100	125	141	142	118	77	5	5300	63	31	-3	-3	-71	-84	-91	-94	-95	-101		
4770	-59	-104	-137	-136	-98	-38	27	68	91	103	5310	-104	-104	-87	-51	-13	4	9	11	13	14		
4780	103	67	19	-35	-89	-144	-158	-157	-114	-30	5320	35	33	27	20	21	25	30	31	16	-1		
4790	39	111	163	189	193	158	101	62	14	-37	5330	-12	-16	-16	-11	-6	-2	4	14	27	40		
4800	-85	-115	-127	-127	-125	-104	-75	-49	-19	16	5340	54	68	79	85	84	56	3	-49	-82	-102		

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 SOUTH)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	-120	-127	-98	-38	14	66	120	148	153	139
5360	100	77	17	-41	-106	-159	-180	-181	-145	-103
5370	-50	1	51	91	124	142	142	113	60	5
5380	-49	-89	-101	-102	-77	-37	1	48	79	89
5390	90	85	40	-10	-69	-113	-127	-103	-59	-18
5400	9	43	51	53	48	45	40	43	49	52
5410	55	56	53	8	-31	-77	-104	-116	-119	-119
5420	-91	-43	-7	39	82	107	123	127	108	68
5430	28	8	-30	-112	-120	-125	-119	-119	-119	37
5440	3	26	48	82	107	119	122	120	75	32
5450	-5	-44	-33	-60	-33	-16	-4	11	30	44
5460	50	44	7	-21	-39	-53	-52	-35	-11	15
5470	30	42	37	1	-24	-47	-64	-69	-63	-39
5480	-3	38	85	116	135	148	152	146	109	55
5490	-6	-58	-139	-176	-196	-188	-152	-110	-65	-24
5500	22	63	85	93	100	100	89	42	-6	-48
5510	-76	-92	-98	-94	-74	-41	-7	19	42	58
5520	69	70	72	68	56	48	46	35	14	-11
5530	-43	-66	-75	-79	-81	-77	-58	-32	-6	28
5540	54	64	66	65	65	65	65	61	51	41
5550	29	16	6	-13	-31	-41	-48	-48	-44	-30
5560	-14	-6	2	7	15	20	28	30	32	22
5570	0	-16	-22	-15	4	24	41	54	62	59
5580	40	11	-7	-12	-7	1	8	15	18	15
5590	6	-3	-8	-13	-17	-5	17	35	57	73
5600	74	66	43	15	-7	-29	-43	-49	-42	-23
5610	-4	12	28	37	35	27	20	19	20	20
5620	21	18	7	-4	-15	-33	-51	-58	-56	-39
5630	-10	20	59	96	114	98	56	5	-53	-108
5640	-149	-166	-134	-114	-82	-15	27	60	71	70
5650	58	35	15	-2	-21	-24	-1	29	50	63
5660	64	48	22	-6	-42	-71	-82	-87	-86	-68
5670	-57	-39	-14	7	31	45	51	55	58	56
5680	55	55	55	54	49	35	18	-1	-8	-9
5690	8	10	34	58	78	88	91	88	56	9
5700	-18	-43	-67	-77	-74	-52	-27	-1	20	30
5710	37	39	38	26	17	9	-2	-20	-58	-99
5720	-121	-130	-111	-72	-37	-5	19	23	25	28
5730	29	26	24	24	21	32	43	46	47	46
5740	26	5	-7	-13	-14	-3	3	9	18	24
5750	35	48	55	65	79	87	90	89	39	-13
5760	-58	-118	-147	-153	-156	-154	-99	-38	9	51
5770	80	84	84	79	41	-28	-72	-106	-115	-112
5780	-76	-38	-6	41	88	114	122	122	116	65
5790	-5	-37	-86	-106	-103	-79	-39	-10	17	41
5800	53	54	43	26	17	16	24	53	70	75
5810	74	68	42	20	-2	-28	-48	-67	-81	-91
5820	-86	-58	-30	-8	21	38	38	42	46	52
5830	60	61	66	66	58	21	-20	-58	-91	-109
5840	-117	-114	-80	-33	4	34	52	57	61	59
5850	41	18	-6	-33	-55	-64	-58	-29	-10	1
5860	2	-4	-14	-14	-7	17	49	79	99	109
5870	111	96	49	-2	-43	-79	-101	-108	-93	-47
5880	0	36	81	117	135	133	96	39	-5	-52

END

TO BE CONTINUED

RECORD = S-1204 COMPONENT = DOWN STATION = MIYAKO-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 5950
 SIGNALING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 CONNECTION POINT IN DATA NUMBER = 2988, 5950,

CONTINUED (S-1204 DOWN)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
490	17	17	-3	-27	-46	-63	-68	-55	-7	40
500	57	61	80	42	11	-8	-14	-12	-10	-22
510	-44	-64	-78	-81	-53	7	65	94	80	43
520	-4	-38	-46	-46	-47	-43	-40	-40	-24	7
530	48	77	83	58	17	-12	-18	-4	23	43
540	48	38	16	-7	-13	-13	-8	-1	6	8
550	7	-19	-36	-48	-50	-16	37	66	78	58
560	26	3	-16	-27	-29	-30	-16	33	36	63
570	60	26	-23	-66	-80	-80	-72	-31	-21	-27
580	-36	-40	-40	-1	43	83	81	52	46	45
590	47	48	52	21	-33	-82	-107	-100	-79	-99
600	-57	-42	-15	13	36	37	34	38	44	57
610	73	83	64	32	17	15	21	30	37	7
620	-40	-79	-106	-105	-14	14	39	104	95	66
630	42	-13	-41	-41	-61	-13	-33	30	10	-13
640	-64	-90	-95	-84	-19	57	83	91	67	36
650	17	-23	-57	-68	-65	-14	51	33	26	-11
660	-50	-83	-85	-68	-11	42	82	97	104	79
670	9	-57	-78	-85	-76	-19	75	105	113	92
680	66	1	-54	-65	-66	-48	12	67	99	103
690	87	34	-9	-53	-61	-47	15	78	106	103
700	65	-2	-51	-63	-66	-47	80	109	108	92
710	42	-10	-47	-43	-9	28	33	35	26	3
720	-8	-17	-24	-28	-31	-17	14	28	26	3
730	-33	-62	-69	-54	-26	29	99	135	136	107
740	39	-76	-85	-51	-21	3	7	2	-7	-12
750	4	35	57	62	58	35	-15	-59	-75	-83
760	-86	-75	-66	-15	10	28	43	51	4	2
770	-34	-35	-13	36	97	125	103	51	-5	-42
780	-50	-49	-46	-39	-36	-48	-67	-77	-81	-47
790	29	87	105	101	67	10	-34	-48	-36	-25
800	-24	-28	-54	-81	-99	-110	-113	-115	-91	-23
810	47	107	155	180	183	177	55	4	-26	-49
820	-77	-91	-84	-93	-58	3	55	81	86	75
830	16	-51	-80	-81	-45	8	34	37	12	-28
840	-58	-58	-17	43	79	93	95	68	28	-7
850	-26	-37	-52	-61	-64	-67	-52	-31	-25	-25
860	-26	-24	-17	-7	2	14	27	33	12	-31
870	-58	-67	-61	-41	12	52	61	65	59	12
880	-31	-55	-56	-22	-4	6	16	22	36	40
890	41	-2	-46	-56	-10	45	72	74	72	20
900	-41	-97	-111	-79	-13	61	102	130	141	77
910	-1	-96	-115	-109	-67	-10	15	30	35	6
920	-36	-76	-104	-110	-63	7	56	78	79	52
930	-1	-57	-71	-23	22	35	43	53	26	-9
940	-19	-25	-19	10	45	84	108	110	81	2
950	-46	-72	-87	-44	-26	1	27	46	47	30
960	9	-41	-57	-51	-5	26	54	58	56	38
970	3	-57	-119	-145	-155	-131	-65	12	104	156
980	162	151	91	15	-21	-33	-33	-31	-18	-7
990	5	16	16	6	28	66	18	-19	-28	-21
1000	17	69	102	104	97	66	18	-19	-28	-21
1010	8	36	43	31	-12	-62	-109	-144	-146	-101
1020	-14	80	136	172	161	109	31	-72	-131	-145

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1204 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-125	-42	40	65	67	47	-17	-76	-90	-61
1040	148	66	106	135	141	143	113	36	-33	-86
1050	-118	-114	-79	-17	41	59	58	32	-34	-86
1060	-93	-77	-31	21	48	58	38	-8	40	-52
1070	-50	-29	11	47	68	70	33	-38	-86	-112
1080	-118	-86	-14	56	99	119	125	124	81	5
1090	-52	-80	-88	-67	-6	41	52	57	34	34
1100	5	-44	-89	-111	-112	-62	21	85	126	156
1110	168	131	56	-12	-41	-41	-17	-1	-3	-30
1120	-84	-127	-148	-119	-46	26	87	141	162	151
1130	85	-8	-57	-81	-90	-83	-72	-59	-21	38
1140	73	94	104	74	43	3	-40	-63	-67	-42
1150	5	42	54	50	28	-11	-39	-49	-14	47
1160	89	104	76	25	-32	-61	-70	-71	-31	25
1170	58	80	96	90	62	23	10	9	10	9
1180	3	-33	-68	-106	-136	-141	-137	-88	-31	1
1190	7	9	11	15	33	47	56	56	24	-39
1200	-76	-86	-67	-18	26	87	93	93	83	82
1210	82	82	85	10	-56	-105	-141	-147	-117	-88
1220	20	58	59	24	-14	-42	-3	44	83	89
1230	84	54	16	7	16	86	101	83	50	0
1240	-56	-97	-99	-99	-99	-98	-69	-95	4	57
1250	81	97	108	101	87	77	36	4	-2	-20
1260	-65	-117	-164	-180	-134	-59	7	62	33	33
1270	-17	-54	-38	11	49	64	67	66	51	42
1280	21	17	12	-5	-20	-29	-29	-35	-40	-35
1290	-35	-60	-92	-124	-113	-54	6	80	89	88
1300	69	33	-19	-77	-113	-112	-86	-35	23	49
1310	45	25	-4	-24	-24	-2	28	57	70	78
1320	59	20	-86	-89	-121	-135	-122	-70	-36	-11
1330	11	23	28	42	90	115	120	114	90	74
1340	71	79	99	95	53	-10	-56	-71	-71	-45
1350	-2	36	42	11	-13	-30	-30	15	55	93
1360	121	131	125	106	82	55	47	47	50	62
1370	72	73	61	16	-54	-109	-131	-124	-164	-188
1380	27	57	64	64	39	-20	-72	-119	-164	-188
1390	-197	-156	-76	-1	67	119	132	134	121	84
1400	33	-12	-33	-39	-35	-22	0	37	70	87
1410	90	68	15	-29	-45	-32	0	24	29	6
1420	-50	-102	-94	-36	28	93	123	109	59	-1
1430	-49	-76	-80	-50	-5	33	58	70	76	76
1440	77	67	49	29	10	-19	-40	-85	-105	-143
1450	-188	-225	-235	-189	-101	30	115	139	113	43
1460	-16	-86	-24	2	43	71	91	107	116	116
1470	111	82	29	-34	-66	-74	-20	44	83	119
1480	140	145	144	115	81	58	39	25	5	-24
1490	-69	-94	-97	-58	-5	21	23	10	-24	-63
1500	-99	-123	-143	-152	-149	-120	-74	-23	30	83
1510	123	133	130	77	23	-8	23	78	128	153
1520	152	95	37	-54	-118	-169	-193	-197	-177	-120
1530	-26	57	131	141	86	38	-30	-80	-104	-65
1540	-3	66	148	164	90	3	-104	-161	-159	-99
1550	-39	-10	-25	-71	-96	-153	-303	-166	-113	31
1560	163	224	231	151	49	-85	-348	-298	-280	-304

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 DOWN)										CONTINUED (S-1204 DOWN)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-108	-105	-78	-30	13	48	65	70	56	3	2650	135	77	-12	-76	-110	-133	-119	-73	-30	42
2120	-45	-81	-121	-179	-238	-316	-316	-295	-226	-127	2660	70	98	148	194	205	182	136	75	25	-14
2130	-43	42	151	229	252	195	123	43	-52	91	2670	-49	-71	-93	-125	-136	-171	-175	-150	-91	-36
2140	-99	-53	0	51	95	120	129	128	119	-112	2680	12	45	51	48	36	4	-43	-71	-73	-75
2150	95	73	37	-17	-59	-101	-127	-136	-141	-153	2690	-72	-85	-44	0	32	39	41	10	-87	-34
2160	-162	-167	-168	-153	-90	2	93	152	165	127	2700	-9	30	45	30	-7	-56	-108	-142	-114	-46
2170	62	-25	-116	-175	-197	-146	-51	55	145	217	2710	-26	89	113	66	32	-13	-41	-65	-89	-106
2180	209	145	48	-108	-295	-319	-245	-133	9	117	2720	-114	-117	-49	65	139	173	176	140	80	20
2190	198	238	262	261	197	93	-26	-146	-230	-312	2730	-7	-11	-10	-8	0	11	22	30	40	55
2200	-312	-296	-225	-169	-109	-48	-11	5	10	-14	2740	65	66	39	-14	-67	-89	-63	-48	-8	1
2210	-58	-18	-33	13	62	128	186	249	255	-67	2750	-29	-67	-82	-89	-33	35	84	100	61	-4
2220	225	147	46	-41	-91	-107	-79	7	104	173	2760	-44	-75	-107	-117	-104	-86	-91	-108	-120	-129
2230	182	180	154	75	8	-104	-161	-184	-130	-37	2770	-81	-11	35	54	58	39	39	-8	-51	-66
2240	45	102	118	130	132	116	72	13	-44	-101	2780	-70	-61	-53	-48	-47	-42	-40	-35	-1	43
2250	-161	-211	-242	-266	-273	-249	-158	-63	56	118	2790	-72	83	88	87	54	0	-56	-103	-127	-121
2260	131	121	84	4	-44	-68	-97	-138	-164	-187	2800	-72	-9	29	63	92	103	93	76	79	116
2270	-202	-227	-232	-210	-128	-12	108	221	266	282	2810	161	173	153	36	102	-195	-230	-236	-155	-34
2280	188	94	-5	-96	-190	-237	-214	-137	-52	20	2820	44	100	163	167	170	177	98	-13	-61	-46
2290	47	50	38	-7	-55	-67	11	125	210	272	2830	9	39	63	94	63	42	-12	-57	-95	-146
2300	303	275	197	109	13	-74	-108	-89	-1	52	2840	-149	-149	-136	-65	56	108	141	141	110	47
2310	63	53	-8	-103	-165	-181	-179	-164	-151	-151	2850	-36	-59	-68	-72	-31	16	29	12	-37	-70
2320	-142	-184	-196	-173	-86	18	173	224	274	263	2860	-88	-101	-50	22	48	48	24	-55	-127	-144
2330	206	123	141	-4	-89	-181	-246	-323	-340	-370	2870	-142	-80	-1	65	110	103	58	1	-16	-27
2340	-253	-187	-101	-3	85	161	209	227	231	205	2880	-30	-30	-34	-32	-8	68	90	103	91	54
2350	141	63	8	-9	-5	35	94	126	101	22	2890	3	-45	-77	-100	-100	-101	-103	-62	-26	-47
2360	-69	-108	-118	-73	10	50	35	-22	-70	-70	2900	46	90	128	155	164	164	163	139	39	42
2370	-25	63	138	202	240	197	109	8	-74	-175	2910	-131	-183	-189	-195	-60	8	25	45	51	34
2380	-145	-116	-58	-3	24	30	12	-27	-55	-53	2920	5	-17	-7	46	72	68	30	-47	-94	-136
2390	-15	43	99	164	198	176	121	32	-68	-135	2930	-169	-189	-185	-195	-118	-56	-12	-7	-9	-14
2400	-143	-169	-151	-71	18	71	91	94	85	-2	2940	-4	34	56	65	69	68	58	20	-9	-20
2410	-122	-164	-106	-17	48	102	156	203	220	191	2950	-19	-20	-23	-39	-80	-103	-103	-81	-26	-9
2420	141	59	-98	-240	-355	-382	-399	-194	-28	117	2960	16	46	74	114	147	171	179	154	78	-6
2430	195	241	283	290	289	209	114	-1	-137	-208	2970	-46	-66	-90	-115	-124	-126	-73	61	142	171
2440	-226	-230	-210	-155	-130	-128	-128	-140	-146	-148	2980	178	135	28	-64	-94	-87	-40	10	-19	-81
2450	-92	-16	49	104	119	131	103	77	17	-43	2990	-68	-30	11	49	66	73	64	29	-16	-56
2460	-75	-81	-52	3	32	40	0	-81	-136	-153	3000	-90	-104	-86	-31	44	107	137	127	79	10
2470	-98	-10	111	248	306	319	281	221	166	92	3010	-46	-74	-41	50	141	213	258	251	196	10
2480	-38	-80	-87	-36	20	64	75	79	87	52	3020	52	-111	-189	-193	-140	-65	-12	41	81	90
2490	89	66	54	53	40	37	37	0	-149	-260	3030	95	95	97	98	119	152	164	130	50	-72
2500	-316	-313	-250	-118	-18	55	123	131	79	1	3040	-174	-207	-202	-145	-50	17	56	76	70	49
2510	-72	-89	-34	-117	-131	-156	-85	-20	65	82	3050	35	53	84	106	115	90	42	-53	-92	-112
2520	69	34	-117	-131	-153	-156	-85	-20	65	82	3060	-119	-117	-94	-42	0	17	14	-1	-13	-18
2530	83	45	-52	-72	-82	-66	-55	-34	-74	-74	3070	-18	-4	15	25	24	5	-25	-38	-40	-25
2540	-123	-162	-179	-167	-85	24	88	144	191	197	3080	42	103	134	144	124	73	21	-38	-99	-142
2550	190	116	21	-64	-61	-66	-72	-69	-18	35	3090	-160	-163	-114	-43	12	58	77	62	20	-7
2560	70	62	2	-92	-151	-167	-107	4	112	202	3100	-27	-40	11	73	108	116	96	46	-8	-57
2570	253	252	228	153	57	68	192	-229	-215	-147	3110	-94	-106	-107	-107	-97	-89	-87	-78	-65	-53
2580	-74	-11	47	69	86	87	91	99	103	110	3120	-26	4	31	43	43	33	35	71	94	94
2590	142	145	133	70	19	88	-44	-115	-175	-209	3130	104	105	67	16	-8	-14	-14	-13	18	68
2600	-227	-204	-114	-11	50	88	140	190	223	222	3140	114	144	153	114	54	14	7	3	19	31
2610	176	108	66	30	6	1	-10	-14	-19	-26	3150	41	44	37	32	31	32	43	54	55	22
2620	-32	-39	-46	-69	-38	-9	9	31	83	116	3160	-12	-38	-48	-63	-72	-73	-67	-50	-30	-24
2630	131	136	126	83	24	-24	-38	-45	-64	-116	3170	-38	-68	-91	-94	-28	20	74	123	156	156
2640	-176	-220	-241	-224	-167	-95	-11	72	133	150	3180	107	63	0	-62	-91	-96	-97	-100	-100	-81

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 DOWN)										CONTINUED (S-1204 DOWN)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	-28	32	61	61	16	-13	-43	-46	12	63	3730	-8	-9	-13	-44	-89	-119	-133	-129	-90	-33
3200	95	126	130	122	87	38	-18	-25	-26	-26	3740	18	52	58	34	10	-15	-20	18	55	68
3210	-27	-35	-36	-35	-19	13	12	-16	-60	-85	3750	75	77	61	41	21	-3	-23	-44	-57	-60
3220	84	-20	74	153	176	171	110	33	-38	-88	3760	-58	-40	-35	-36	-34	-26	-19	-14	-8	2
3230	-98	-98	-98	-97	-93	-86	-63	-42	-49	0	3770	20	44	54	55	44	-7	-35	-21	-55	-62
3240	22	38	52	48	21	-53	-58	-36	-31	8	3780	-81	-56	12	48	59	59	21	51	-54	-98
3250	42	62	65	20	-32	-81	-109	-107	-83	-26	3790	-124	-134	-134	-124	-78	-50	-50	15	56	73
3260	64	126	145	138	113	90	85	95	101	90	3800	80	47	-5	-33	-44	-28	-28	-50	-90	-37
3270	40	-5	-37	47	-46	-42	-23	2	43	74	3810	22	57	112	147	175	176	133	82	34	-20
3280	83	83	74	31	22	19	11	-11	-25	54	3820	-59	-80	-89	-88	-27	19	12	-3	-17	-45
3290	-29	-29	-29	-23	-2	21	46	59	62	57	3830	-48	-38	26	63	87	101	104	98	48	7
3300	46	40	30	-1	-43	-68	-70	-74	18	59	3840	-89	-44	-39	1	21	25	23	12	4	4
3310	71	54	12	-18	-25	-27	-31	-26	4	14	3850	4	12	13	28	56	87	107	110	106	106
3320	15	17	17	17	2	-31	-60	-76	-79	-78	3860	59	-8	-60	-95	-96	-52	1	44	65	65
3330	-68	-52	-45	-41	-31	-16	6	43	71	79	3870	58	7	-9	36	56	70	100	111	103	51
3340	81	59	4	-45	-64	-67	-55	-23	11	34	3880	1	-99	-38	-91	-99	-100	-72	-13	12	56
3350	55	79	97	108	101	66	17	-20	-45	-67	3890	83	90	93	92	83	65	49	45	25	11
3360	-88	-106	-130	-145	-147	-138	-102	-31	36	98	3900	-12	-65	-109	-137	-138	-123	-55	47	118	143
3370	135	143	130	110	97	85	41	-33	-82	-108	3910	144	128	72	24	-16	-54	-79	-91	-87	-64
3380	-111	-89	-62	0	27	37	37	30	20	18	3920	-99	-28	-22	-22	-22	-22	-11	16	30	12
3390	34	49	74	81	81	62	24	-17	-59	-91	3930	-15	-45	-69	-87	-99	-84	-52	-26	-6	12
3400	-95	-81	-54	-34	-15	16	31	32	32	31	3940	33	61	85	102	108	85	38	-1	-30	-45
3410	15	-15	-30	-33	-41	-53	-64	-77	-90	-92	3950	-48	-40	-19	-3	-7	-15	-20	-17	12	51
3420	-78	-45	0	63	135	176	189	192	152	92	3960	63	68	56	30	11	4	-6	-17	-19	-20
3430	7	-34	-52	-55	-22	15	34	41	46	46	3970	-21	-22	-16	-1	12	21	28	33	34	28
3440	37	33	32	32	31	21	6	-9	-26	-40	3980	13	3	0	-7	-21	-42	-63	-77	63	-28
3450	-20	12	30	33	17	-1	-22	-35	-41	5	3990	16	53	68	63	38	0	-40	-72	-84	-69
3460	66	100	105	89	31	-12	-33	-36	-31	4	4000	-30	11	46	78	98	102	98	83	47	-5
3470	47	79	92	63	19	3	0	-2	-11	-15	4010	-67	-104	-113	-114	-88	-34	6	25	33	25
3480	-34	-49	-50	-45	-15	26	47	50	51	51	4020	10	0	-3	4	13	21	26	17	0	-19
3490	24	-24	-52	-53	-53	-4	67	90	92	93	4030	-30	-33	-33	-32	-33	-32	-26	-18	-14	-3
3500	40	2	-3	-3	11	33	52	53	53	12	4040	5	2	-8	-18	-22	-21	-13	-4	17	38
3510	-28	-71	-95	-99	-99	-53	-2	26	41	14	4050	56	74	80	79	56	14	-15	-27	-30	-23
3520	-6	-19	-30	-35	-39	-39	-38	-36	-36	-38	4060	7	20	22	27	15	4	1	1	1	56
3530	-64	-88	-99	-73	-10	32	70	83	80	50	4070	73	77	77	78	64	25	18	-44	-57	-60
3540	31	17	19	41	81	83	80	49	-12	-78	4080	-60	-28	20	62	75	87	104	101	85	51
3550	-105	-104	-95	-57	-23	-1	8	5	-12	-30	4090	14	2	-14	-33	-50	-63	-78	-94	-105	-68
3560	-36	-34	-26	-10	-1	1	1	0	-15	-30	4100	-31	5	28	40	42	21	-4	-19	-25	-17
3570	-44	-52	-53	-50	-38	-20	12	52	85	104	4110	-4	4	12	16	0	-18	-38	-42	-46	-49
3580	100	68	15	-10	-20	-23	-25	-25	-19	-2	4120	-44	-33	-15	-4	7	8	-23	-44	-52	-52
3590	8	11	4	-31	-84	-129	-153	-139	-82	-6	4130	-39	-40	-20	12	30	41	48	30	5	-21
3600	84	143	177	181	159	79	30	-82	-101	-100	4140	-44	-40	-32	-4	-9	-17	-23	-22	-23	-22
3610	-80	-23	22	46	71	86	87	72	36	3	4150	-11	-11	-7	7	5	-9	-26	-37	-52	-27
3620	-17	-19	-18	-18	-30	-58	-69	-76	-76	-51	4160	-22	-25	-47	-63	-62	-33	-10	2	7	10
3630	-20	4	35	54	50	22	-32	-78	-90	-52	4170	13	17	16	1	-16	-34	-45	-45	-31	-17
3640	10	58	84	98	73	26	11	27	55	55	4180	-10	-10	-10	-9	-9	-10	-12	-12	-8	-9
3650	71	82	88	61	3	-39	-65	-77	-76	-60	4190	-16	-17	-18	-14	-14	-13	-13	-12	-7	-1
3660	-22	29	77	98	76	24	-20	-41	-50	-34	4200	8	15	14	7	4	5	6	8	7	2
3670	9	47	54	38	10	-9	-7	22	29	29	4210	-2	3	13	14	-6	-27	-43	-51	-39	-6
3680	27	-1	-44	-82	-99	-99	-72	-17	35	78	4220	30	49	55	51	30	16	13	18	39	57
3690	103	107	94	44	-8	-29	-32	-17	10	22	4230	61	53	26	-1	-28	-51	-50	-50	-42	-24
3700	25	6	-27	-50	-56	-43	-15	17	42	48	4240	-6	7	14	26	43	76	103	108	98	67
3710	47	45	21	-15	-52	-80	-96	-105	-105	-75	4250	24	-18	-46	-68	-84	-84	-78	-54	-1	-1
3720	-21	31	75	100	106	78	52	28	10	-2	4260	10	9	2	-6	-2	8	18	18	-24	-34

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 DOWN)										CONTINUED (S-1204 DOWN)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-61	-83	-96	-101	-102	-89	-58	-28	3	34	4810	0	54	70	67	43	-21	-53	-54	-54	-51
4280	47	37	6	-22	-39	-53	-53	-37	-3	38	4820	-18	16	40	35	8	-33	-41	-66	-68	-44
4290	58	66	70	52	21	-3	-9	-6	5	18	4830	2	62	93	99	94	50	42	-17	-55	-70
4300	30	43	30	-5	-38	-70	-81	-60	-31	2	4840	-34	20	75	114	115	96	66	36	0	-22
4310	34	59	71	31	69	51	20	6	2	0	4850	-28	-25	2	6	10	7	3	-29	-43	-62
4320	-1	-7	-18	-31	-45	-53	-49	-32	-16	2	4860	-33	0	37	48	62	61	55	38	17	-3
4330	24	45	55	59	56	48	36	27	22	14	4870	-24	-38	-45	-49	-49	-49	-46	-33	-16	-1
4340	4	10	-3	-14	-19	-17	-8	4	10	10	4880	21	42	53	50	43	32	19	6	-2	-8
4350	10	10	-15	-32	-45	-45	-51	-53	-56	-58	4900	-8	-8	-8	-8	-8	-13	-4	-28	-26	-28
4360	-58	-58	-53	-39	-29	-26	-25	-25	-23	-22	4910	37	28	4	-18	-33	-40	-38	9	23	37
4370	-21	-15	-8	-6	-6	-6	-6	-10	-17	-22	4920	62	59	49	34	24	19	16	14	12	10
4380	-13	0	11	23	30	38	25	5	-15	-29	4930	10	9	8	5	1	1	1	1	0	4
4390	-15	-24	-3	29	54	51	28	7	-12	-22	4940	6	-2	-17	-26	-18	1	70	33	42	41
4400	-37	-34	-47	-53	-62	-64	-59	-53	-43	31	4950	34	25	16	10	10	9	0	-14	-21	-37
4410	-29	-35	-50	-56	-67	-72	-59	-37	9	35	4960	-42	-27	-20	-19	-10	-1	-4	-10	-11	-12
4420	41	51	58	54	45	39	29	25	22	12	4970	-12	-15	-21	-26	-17	-9	-8	-8	-9	-5
4430	4	-5	-12	-24	-29	-29	-20	-13	-3	4	4980	0	3	2	0	-2	-2	-9	-14	-4	26
4440	13	20	23	25	26	25	12	-4	-23	-26	4990	60	82	89	84	62	23	-16	-42	-49	-49
4450	0	27	36	32	17	-6	-47	-80	-90	-91	5000	-25	10	28	29	28	28	24	15	16	21
4460	-53	-12	31	76	93	95	76	57	44	31	5010	31	33	13	8	-29	-36	-47	-45	-16	20
4470	4	3	14	14	4	-11	-36	-59	-66	-25	5020	39	42	38	32	20	-1	-18	-26	-37	-58
4480	8	28	34	31	26	22	21	18	15	10	5030	-72	-52	-24	-9	6	34	7	14	29	39
4490	-7	-26	-44	-53	-56	-54	-53	-49	-35	-19	5040	-8	-24	-18	-18	-10	2	7	14	29	39
4500	-9	7	26	48	58	61	60	55	49	37	5050	41	35	13	-2	-8	-8	-39	-36	-33	-32
4510	31	21	15	11	-5	-14	-23	-14	-21	-6	5060	-33	-32	-27	-20	-16	-18	-11	-4	3	7
4520	10	11	15	18	2	-12	-15	14	47	67	5070	10	16	20	21	22	21	4	-17	-44	-74
4530	80	78	45	0	-23	-29	-26	-13	-1	2	5080	-79	-79	-61	-19	8	23	30	33	32	32
4540	12	18	23	28	26	16	10	4	-10	-23	5090	33	34	20	3	-3	5	5	-9	-17	-16
4550	-30	-32	-31	-23	-13	-10	-2	17	27	28	5100	-19	-25	-34	-36	-36	-31	-9	9	33	36
4560	24	0	-23	-43	-59	-62	-42	-16	19	48	5110	25	4	-17	-26	-28	-15	10	40	53	55
4570	48	33	15	-4	-19	-33	-26	-20	1	24	5120	11	-9	-24	-28	-34	-39	-23	0	3	4
4580	31	31	27	8	-10	-17	-27	-41	-39	-12	5130	-3	-24	-28	-34	-39	-39	-23	-2	8	4
4590	10	34	53	60	50	24	6	-5	-6	11	5140	-2	-2	-2	-1	-2	-2	-1	0	28	40
4600	40	63	73	71	57	24	-16	-41	-37	-6	5150	30	55	55	21	0	-11	-3	10	8	13
4610	32	56	60	59	59	53	30	0	-20	-30	5160	16	14	14	-50	-38	-49	-59	-32	-35	-12
4620	-30	-22	-18	-16	-15	-16	-12	-5	24	45	5170	17	42	42	42	33	20	-4	-16	-16	0
4630	40	32	15	-14	-43	-69	-105	-107	-72	-43	5180	6	1	9	-13	-14	-4	-6	10	15	12
4640	-21	-4	-3	0	1	1	1	1	1	-1	5190	-6	-15	-21	-23	-18	13	26	30	24	4
4650	-2	-1	0	0	0	-5	-12	-15	-16	-19	5200	-17	-20	-11	-8	-7	-7	-4	-3	-7	-6
4660	-20	-8	3	33	80	107	113	83	30	-8	5210	2	8	11	12	13	10	6	-2	-8	-8
4670	-26	-36	-39	-35	-29	-15	6	22	29	29	5220	-8	-9	-8	-7	-5	-3	-6	-8	-6	-3
4680	34	28	22	21	22	21	27	18	-4	-18	5230	-2	-2	-2	-2	-2	-2	-2	-2	-2	-2
4690	-36	-51	-54	-32	0	20	26	22	14	2	5240	-23	-17	-5	-7	-6	-6	-6	-6	-6	-6
4700	-9	2	18	45	74	85	74	42	0	-29	5250	-30	-39	-38	-39	-39	-39	-39	-39	-39	-39
4710	-59	-73	-68	-46	-27	-10	6	9	2	-6	5260	-30	-30	-30	-30	-30	-30	-30	-30	-30	-30
4720	-7	-14	-8	-10	-15	-20	-25	-16	-9	-5	5270	-33	-38	-40	-41	-41	-41	-41	-41	-41	-41
4730	-8	-14	-23	-39	-47	-37	-28	-10	21	33	5280	4	-5	-10	-12	-13	-13	-13	-13	-13	-13
4740	15	-6	-26	-29	-16	3	18	34	51	60	5290	-14	-13	-8	-6	38	69	88	73	37	5
4750	56	46	27	10	-1	-8	-19	-22	-22	-17	5300	-24	-57	-72	-58	-25	6	34	56	66	66
4760	-4	-2	17	25	26	18	0	-18	-37	-57	5310	54	23	-3	-10	-2	7	18	21	21	3
4770	-59	-59	-36	-1	29	62	82	84	75	49	5320	-28	-60	-80	-64	-65	-33	-3	18	39	49
4780	19	7	-1	-12	-15	-13	-7	-10	10	11	5330	47	35	31	33	33	31	31	30	38	25
4790	9	4	-2	-12	-15	-15	-5	-4	-64	-59	5340	21	19	12	11	19	20	15	15	15	15
4800	50	57	53	45	33	2	-25	-54	-64	-59											

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1204 DOWN)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	7	-9	-20	-22	-22	-21	-22	-22	-21	-4
5360	13	18	7	-7	-21	-28	-34	-41	-44	-40
5370	-38	-26	-8	5	13	17	18	16	12	-2
5380	-15	-18	-16	-18	-9	16	51	57	49	36
5390	22	14	10	11	4	3	0	-10	-32	-46
5400	-44	-33	-24	-16	-8	8	16	23	28	26
5410	24	15	-4	-17	-22	-22	-29	-16	7	29
5420	47	50	54	53	43	13	-36	-61	-61	-42
5430	-20	-5	1	2	3	7	-9	-22	-26	-26
5440	-12	8	26	26	21	-11	-28	-39	-49	-32
5450	-8	1	4	1	-9	-9	-4	7	11	11
5460	12	11	11	7	0	-19	-34	-53	-67	-46
5470	-20	4	20	20	20	22	22	22	20	5
5480	-8	-11	-19	-22	-25	-26	-26	-26	-26	-23
5490	-1	15	19	18	-5	-20	-24	-23	-14	-8
5500	-8	-2	5	-3	-13	-23	-21	-1	7	5
5510	-4	-24	-24	-24	-35	6	42	65	67	71
5520	71	63	26	-2	-16	-27	-30	-29	-19	-4
5530	11	12	14	15	13	6	-1	-2	14	33
5540	46	47	48	41	16	-17	-32	-29	-13	10
5550	30	41	30	0	-22	-35	-32	-26	-26	-16
5560	2	9	17	13	1	-2	-9	-22	-27	-31
5570	-40	-33	7	40	55	57	44	24	-1	-35
5580	-53	-56	-56	-44	-28	-27	-29	-35	-40	-41
5590	-28	4	36	49	51	51	25	-23	-60	-80
5600	-86	-92	-83	-52	-14	27	63	85	92	91
5610	83	51	-1	-35	-45	-52	-58	-57	-44	-28
5620	-15	1	20	28	28	18	7	2	0	0
5630	-1	-4	-8	-17	-22	-26	-26	-24	-16	-8
5640	-5	-1	2	14	33	43	46	47	31	2
5650	-18	-41	-49	-27	-9	1	13	20	20	6
5660	-25	-43	-48	-49	-19	14	28	36	38	28
5670	6	-16	-33	-38	-46	-44	-17	4	19	26
5680	27	18	-6	-25	-31	-24	1	26	32	19
5690	3	-19	-31	-37	-29	2	29	52	60	61
5700	43	15	-3	-6	-4	1	2	3	9	11
5710	11	3	0	-6	-15	-20	10	24	25	18
5720	-2	-13	-18	-19	-24	-14	-3	15	24	31
5730	26	19	7	-2	-7	-7	-5	2	0	-6
5740	-10	-12	-18	-20	1	15	30	40	30	8
5750	-4	-32	-55	-63	-61	-33	-1	6	11	2
5760	-7	-7	-7	1	3	11	21	24	24	1
5770	-8	-18	-19	-22	-22	-15	-3	1	20	20
5780	16	15	16	37	49	48	35	11	-17	-34
5790	-38	-22	-12	-5	10	21	24	23	13	-10
5800	-25	-30	-32	-25	-6	9	11	11	11	9
5810	-4	-11	-14	-21	-20	-16	-1	19	42	51
5820	46	10	-39	-54	-83	-86	-48	-5	25	43
5830	46	46	40	12	-18	-16	-9	-3	2	10
5840	20	19	19	17	17	18	20	14	1	-3
5850	-14	-18	-18	-8	15	33	46	38	36	32
5860	23	15	8	7	6	0	-6	-6	-6	-6
5870	-6	-8	-12	-6	7	5	-5	-10	-5	1
5880	0	1	-3	-16	-31	-42	-51	-54	-40	-40

TO BE CONTINUED

END

RECORD = S-1202 COMPONENT = SOUTH STATION = HACHINOH-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 8800
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC.
 CONNECTION POINT IN DATA NUMBER= 4332, 8800.

NO.		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	CONTINUED (S-1202 SOUTH)									
0	-35	-30	-26	-21	-17	-12	-8	-3	-1	-1	14	16	14	14	11	8	8	8	8	8	9
10	-2	-3	-4	-5	-6	-7	-8	-9	-10	-10	14	14	14	14	11	8	8	8	8	8	9
20	-11	-13	-14	-15	-16	-18	-20	-22	-25	-28	10	13	10	10	23	38	46	46	46	46	41
30	-31	-29	-26	-23	-20	-16	-13	-11	-8	-6	9	9	9	9	-23	-41	-52	-52	-52	-52	41
40	-4	-4	-4	-5	-5	-4	-4	-5	-5	-4	6	5	6	6	-47	-41	-41	-41	-41	-41	0
50	-16	-14	-10	-6	-3	-1	-1	0	1	0	6	5	6	6	6	5	6	6	6	6	0
60	-1	-5	-8	-10	-14	-18	-20	-22	-24	-25	49	59	65	71	72	69	69	69	69	40	
70	-26	-28	-25	-20	-18	-16	-15	-18	-16	-12	44	28	44	44	40	44	47	47	47	46	42
80	-8	0	8	9	6	2	-2	-6	-8	-6	30	40	38	33	28	28	28	28	28	26	16
90	-1	-1	-3	-5	-8	-14	-18	-20	-20	-14	18	19	16	10	2	-4	-4	-4	-4	9	16
100	-9	-2	4	9	12	12	4	-8	-21	-32	3	12	15	16	16	14	15	14	15	12	6
110	-29	-29	-27	-22	-16	-11	-6	1	2	6	6	9	13	25	43	53	53	56	52	39	6
120	9	10	9	9	12	18	19	23	24	23	20	-4	-20	-20	-12	-4	1	7	15	34	4
130	21	17	13	9	3	0	2	5	3	0	63	81	86	92	80	65	52	43	29	4	4
140	-4	-5	-5	-5	-7	-8	-12	-15	-15	-10	5	4	11	16	18	13	1	-6	-11	2	11
150	-6	-8	-11	-18	-19	-22	-24	-24	-21	-17	680	25	25	21	16	15	-7	-7	-7	-20	4
160	-11	-9	-6	-4	-4	-6	-12	-23	-32	-37	690	-18	-21	-22	-26	-28	-29	-34	-35	-33	-22
170	-39	-38	-36	-33	-28	-22	-14	-2	8	15	700	-11	2	3	-1	-8	-16	-18	-17	-12	-10
180	13	12	11	10	5	0	4	4	11	18	710	-7	-3	3	8	14	19	21	20	17	12
190	28	35	34	33	28	26	36	37	39	34	8	9	13	18	26	37	49	55	58	60	6
200	32	24	20	13	5	-2	-13	-19	-24	-27	720	8	9	12	18	26	37	49	55	58	6
210	-28	-31	-32	-34	-37	-40	-42	-45	-45	-45	740	2	-3	-11	-15	-16	-16	-16	-16	-16	4
220	-34	-35	-32	-28	-28	-24	-20	-18	-13	-9	750	13	11	6	0	-8	-8	-8	-8	-8	4
230	-7	-7	-18	-25	-35	-38	-35	-30	-25	-18	760	-69	-79	-80	-73	-67	-54	-42	-32	-45	-55
240	-10	0	5	11	12	11	12	12	12	7	770	-14	-5	1	10	16	26	29	23	13	4
250	-4	-23	-36	-37	-36	-35	-35	-35	-35	34	780	-4	-10	-10	-9	-4	0	1	9	21	27
260	42	39	35	30	29	32	33	29	22	6	790	32	33	34	34	34	34	30	33	41	46
270	-1	-2	-3	-2	-5	-14	-24	-28	-22	10	800	49	48	44	39	33	23	21	19	17	17
280	0	13	27	39	41	38	31	25	18	10	810	17	13	8	3	0	0	-3	-7	-15	-28
290	4	-3	-12	-21	-29	-29	-25	-20	-18	-16	820	-39	-46	-47	-41	-31	-23	-16	-14	-12	-7
300	-13	-10	-8	-5	-3	-3	-1	-4	-11	-19	830	-1	4	6	6	3	0	-3	-4	-7	-10
310	-24	-24	-18	-13	-12	-12	-17	-23	-27	-31	840	-16	-27	-41	-49	-52	-51	-46	-39	-25	-11
320	-32	-26	-16	0	17	28	32	34	33	28	850	-4	4	19	40	83	73	72	67	60	60
330	24	24	21	20	17	15	11	6	1	0	860	53	46	39	32	25	18	12	6	1	-2
340	2	11	23	33	33	31	31	31	31	31	870	-4	3	3	11	16	19	19	12	-1	-24
350	30	29	27	25	24	16	2	-12	-27	-37	880	-4	-55	-64	-63	-53	-36	-48	-48	16	32
360	-39	-36	-34	-32	-30	-32	-33	-34	-35	-34	890	43	46	47	47	48	49	48	46	42	40
370	-29	-20	-10	-3	-3	-1	-5	-9	-10	-10	900	4	-3	-9	-16	-24	-31	-39	-41	-36	18
380	-11	-14	-12	-8	2	11	17	21	25	30	910	-15	-9	-6	-3	0	7	13	17	18	-27
390	36	41	46	43	22	1	-9	-13	-10	-6	920	5	-3	-8	-5	-4	-2	0	2	11	36
400	-1	-1	-1	-6	-16	-27	-29	-18	-6	8	930	66	87	99	106	113	120	123	123	125	118
410	24	30	29	27	25	18	11	3	-5	-16	940	88	48	10	-24	-53	-65	-66	-66	-65	118
420	-20	-17	-10	4	1	17	15	13	10	13	950	-70	-71	-73	-70	-59	-49	-42	-37	-35	30
430	-1	-1	-4	-6	-6	-1	2	10	10	13	960	-26	-16	-3	6	19	33	34	31	19	-4
440	15	11	0	-12	-19	-20	-14	-2	20	36	970	-29	-56	-76	-87	-109	-116	-116	-107	-97	-97
450	40	40	36	36	35	31	19	-5	-22	-22	980	-84	-70	-58	-47	-40	-35	-27	-21	-20	-20
460	-31	-36	-39	-36	-31	-30	-22	-19	-16	-14	990	-16	-15	-7	-2	-3	-8	-10	-19	-28	-28
470	-16	-15	-4	3	14	27	32	30	14	0	1000	-26	19	17	13	15	15	15	15	15	25
480	-12	-26	-38	-40	-34	-29	-23	-11	2	11	1010	22	19	17	13	15	15	15	15	15	28
											1020	41	47	53	55	61	61	63	74	72	65

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	47	28	5	-11	-19	-17	-11	-5	1	4	1570	-27	-20	-10	-3	7	20	29	30	27	26
1040	4	12	17	35	49	53	57	58	41	14	1580	19	13	0	-16	-33	-52	-64	-70	-68	-64
1050	-15	-35	-50	-70	-86	-92	-96	-93	-87	-74	1590	-51	-31	-6	7	14	15	16	12	10	10
1060	-58	-40	-19	-9	-7	-8	-8	-13	-17	-19	1600	16	23	31	32	36	39	41	42	41	37
1070	-18	-18	-17	-17	-21	-32	-38	-56	-66	-75	1610	17	0	-6	-9	-8	-10	-11	-11	-13	-22
1080	-79	-74	-61	-43	-13	9	25	36	39	43	1620	-38	-54	-60	-64	-65	-62	-51	-39	-17	-5
1090	48	47	44	44	35	27	17	12	9	1	1630	0	1	-1	0	0	-1	3	4	-4	-4
1100	-12	-4	-18	-20	-12	-4	2	9	16	21	1640	0	8	14	20	23	28	31	34	51	80
1110	24	28	32	36	40	46	53	59	64	69	1650	113	139	149	151	141	120	81	43	4	-26
1120	71	70	70	59	38	17	0	-11	-22	-31	1660	-55	-83	-103	-111	-112	-96	-53	-15	7	23
1130	-40	-43	-4	-45	-46	-46	-44	-37	-31	-25	1670	27	26	29	29	22	16	14	25	36	49
1140	-18	-4	2	2	2	11	0	-2	-8	-11	1680	57	58	55	45	31	19	10	2	3	9
1150	-13	-15	-18	-18	-17	-12	-2	13	38	62	1690	15	23	32	32	47	48	48	40	32	24
1160	80	86	81	60	32	8	-12	-27	-49	-75	1700	11	-2	-18	-34	-48	-60	-71	-75	-70	-62
1170	-85	-84	-84	-74	-52	-30	-10	10	27	39	1710	-54	-49	-42	-36	-32	-31	-30	-25	-19	-15
1180	49	53	54	53	51	54	61	66	66	78	1720	-12	-8	-7	-9	-15	-19	-21	-20	-18	-16
1190	63	44	19	-9	-38	-61	-74	-79	-79	-86	1730	1	7	9	9	11	14	20	28	42	61
1200	-72	-68	-56	-35	-21	-17	-15	-12	-12	-12	1740	75	78	74	68	64	60	56	50	38	27
1210	-13	-21	-31	-32	-31	-29	-21	-9	0	6	1750	19	11	2	-6	-12	-8	1	10	16	23
1220	10	9	13	17	10	-1	-1	-24	-33	-42	1760	24	24	20	17	11	5	1	4	10	4
1230	-46	-39	-27	-20	-15	-7	1	9	16	25	1770	12	12	10	7	2	-3	-8	-13	-22	-30
1240	36	47	47	45	43	45	44	41	41	34	1780	-34	-36	-34	-27	-23	-19	-15	-13	-11	-11
1250	30	24	12	3	5	11	19	39	51	52	1790	-11	-8	-5	-1	4	6	4	-2	-2	-18
1260	52	53	51	49	47	45	41	30	17	10	1800	-25	-33	-38	-36	-31	-29	-25	-22	-15	-11
1270	0	-10	-20	-28	-36	-42	-40	-34	-27	-14	1810	-9	-4	4	15	26	31	34	33	39	41
1280	-7	11	16	26	25	19	10	-9	-19	-34	1820	41	37	30	30	30	29	27	26	23	7
1290	-43	-42	-39	-29	-25	-25	-22	-19	-19	-17	1830	0	13	-26	-35	-38	-36	-36	-34	-29	-15
1300	-14	-13	-5	0	1	3	5	5	7	1	1840	-2	13	18	11	3	-22	-41	-60	-84	-98
1310	-8	-14	-26	-39	-54	-75	-90	-90	-84	-84	1850	-104	-111	-112	-112	-99	-73	-50	-37	-37	-34
1320	-84	-83	-67	-38	-7	25	49	74	84	89	1860	-34	-30	-21	-16	-11	-10	2	25	48	62
1330	94	100	104	111	110	110	95	65	33	3	1870	66	68	67	65	57	54	51	48	44	45
1340	-12	-22	-22	-15	-5	9	24	39	46	51	1880	41	40	36	29	16	0	-15	-23	-28	-31
1350	51	42	34	21	6	-7	-15	-21	-27	-27	1890	-35	-37	-45	-52	-52	-49	-31	-21	-1	23
1360	-29	-29	-29	-26	-22	-8	8	25	39	46	1900	49	56	63	67	67	64	57	48	37	23
1370	47	48	47	46	46	40	32	24	12	-5	1910	12	5	-4	-8	-6	2	13	23	30	31
1380	-14	-23	-29	-31	-29	-29	-29	-26	-20	-6	1920	30	30	30	29	25	20	18	11	0	-5
1390	12	29	35	36	33	22	6	-3	-12	-28	1930	-5	-3	-2	-5	-8	-15	-28	-45	-67	-90
1400	-39	-47	-56	-63	-63	-60	-55	-46	-36	-28	1940	-102	-107	-108	-100	-90	-78	-66	-56	-49	-47
1410	-23	-22	-21	-22	-25	-28	-29	-26	-26	-12	1950	-44	-43	-43	-43	-43	-44	-44	-38	-29	-22
1420	18	22	22	19	13	8	4	-1	-11	-21	1960	-16	-10	-7	-5	0	12	24	39	50	63
1430	-23	-20	-15	-6	10	25	31	30	22	11	1970	75	84	87	89	90	91	88	81	76	69
1440	-2	-17	-22	-20	-18	-12	-2	6	15	21	1980	57	47	43	44	50	63	73	82	85	83
1450	26	31	37	41	41	34	18	-1	-15	-19	1990	77	64	41	27	12	-15	-43	-60	-67	-66
1460	-14	-3	5	7	5	0	-4	-7	-8	-7	2000	-64	-62	-58	-58	-62	-69	-76	-83	-86	-82
1470	-4	-3	-2	0	2	2	2	2	4	7	2010	-70	-50	-22	-2	14	19	24	30	36	40
1480	9	10	14	19	24	37	55	73	98	145	2020	42	43	39	31	26	20	16	19	24	28
1490	124	127	128	119	100	75	38	3	-17	-27	2030	34	43	53	59	58	53	45	35	26	17
1500	-36	-35	-28	-20	-10	-1	2	-2	-18	-18	2040	11	8	2	2	4	6	-10	-11	-11	-11
1510	-39	-54	-62	-62	-64	-62	-54	-48	-46	-44	2050	-10	-8	1	1	1	3	-4	-15	-21	-24
1520	-44	-45	-45	-43	-40	-37	-34	-31	-30	-27	2060	-25	-25	-25	-25	-22	-14	-6	3	17	29
1530	-24	-24	-24	-23	-18	-2	22	37	44	47	2070	37	38	40	42	35	23	15	9	6	5
1540	42	29	26	19	17	11	7	2	0	-3	2080	3	5	11	12	12	12	12	10	6	3
1550	-11	-10	-8	-4	-3	-3	-3	-2	0	1	2090	5	13	24	33	40	42	43	43	43	39
1560	2	5	5	5	5	0	-11	-16	-24	-28	2100	31	18	1	-18	-33	-42	-46	-45	-32	-23

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-9	6	25	34	45	66	85	94	99	104
2120	104	104	99	74	29	-13	-41	-82	-115	-127
2130	-141	-145	-144	-146	-146	-144	-140	-137	-133	-124
2140	-122	-119	-116	-110	-89	-59	-40	-18	-1	17
2150	26	29	31	30	13	-14	-38	-66	-97	-106
2160	-120	-132	-141	-148	-153	-149	-142	-135	-130	-128
2170	-128	-133	-139	-140	-146	-149	-149	-139	-114	-114
2180	-90	-61	-37	-20	-5	6	4	0	-6	-12
2190	-16	-16	-16	-24	-35	-52	-63	-69	-73	-79
2200	-83	-84	-72	-45	-13	26	65	94	113	114
2210	82	88	57	13	-18	-49	-82	-100	-104	-107
2220	-104	-104	-98	-91	-84	-78	-65	-51	-33	-6
2230	27	49	64	67	104	131	161	187	194	197
2240	197	185	160	133	109	91	78	68	42	1
2250	-28	-58	-87	-96	-96	-91	-72	-57	-43	-28
2260	-20	-12	-1	-1	1	17	25	35	49	68
2270	83	96	110	125	132	132	121	101	80	56
2280	35	22	7	-19	-52	-68	-131	-177	-220	-261
2290	-283	-287	-283	-241	-181	-108	-54	117	163	280
2300	194	226	267	299	328	355	370	386	394	407
2310	415	420	422	411	367	313	251	161	72	6
2320	-55	-98	-120	-124	-109	-79	-27	35	80	103
2330	115	117	117	120	122	125	125	119	108	90
2340	174	83	55	39	11	-24	-63	-109	-150	-174
2350	-181	-171	-147	-95	-34	-6	12	21	20	17
2360	12	6	-5	-22	-46	-63	-62	-52	-41	-32
2370	-34	-57	-91	-128	-154	-174	-184	-181	-157	-105
2380	-55	-36	-20	-12	-10	-12	-20	-28	-45	-53
2390	-55	-52	-40	-13	16	57	93	112	130	138
2400	138	116	52	-1	-57	-123	-168	-231	-264	-273
2410	-267	-242	-205	-173	-154	-140	-126	-117	-107	-91
2420	-76	-74	-66	-58	-36	-7	48	106	148	165
2430	168	144	108	68	9	-33	-55	-54	-41	-8
2440	49	106	139	193	232	263	280	277	273	262
2450	229	207	173	121	93	91	103	145	198	213
2460	212	192	98	-22	-137	-229	-337	-407	-448	-464
2470	-440	-391	-332	-263	-187	-97	-12	37	69	89
2480	86	91	92	80	32	-19	-99	-186	-262	-276
2490	-300	-298	-268	-205	-136	-58	-21	22	45	47
2500	4	-37	-110	-199	-247	-265	-280	-282	-265	-213
2510	-192	-166	-69	-28	13	57	98	134	161	232
2520	257	274	277	266	228	169	121	78	39	15
2530	-6	-13	-8	21	46	82	125	163	188	209
2540	215	220	224	229	245	257	260	255	207	167
2550	118	52	1	-48	-90	-121	-157	-204	-234	-246
2560	-249	-239	-207	-166	-137	-114	-99	-94	-92	-91
2570	-87	-74	-36	24	95	141	180	214	232	239
2580	240	218	170	97	-1	-103	-187	-176	-153	-73
2590	3	63	118	143	143	127	96	55	9	-29
2600	-47	-39	9	87	135	168	198	202	183	130
2610	61	-15	-113	-209	-261	-308	-324	-299	-252	-203
2620	-170	-158	-153	-151	-150	-149	-149	-149	-150	-150
2630	-142	-126	-109	-93	-78	-61	-43	-31	-40	31
2640	84	115	137	174	206	220	222	204	149	74

TO BE CONTINUED

CONTINUED(S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2650	10	-53	-85	-74	-24	46	115	180	248	305
2660	330	330	315	286	242	181	118	64	-33	-98
2670	-128	-148	-144	-130	-113	-89	-71	-57	-38	-13
2680	5	35	54	76	92	101	102	95	74	32
2690	-22	-59	-90	-95	-93	-86	-81	-65	-37	-8
2700	19	34	61	79	93	118	158	195	232	256
2710	259	260	244	198	101	10	-71	-142	-193	-216
2720	-207	-199	-167	-136	-114	-105	-105	-107	-124	-151
2730	-182	-216	-236	-234	-205	-150	-100	-66	-1	55
2740	91	106	106	101	98	93	90	95	104	122
2750	145	155	157	156	147	122	84	16	178	214
2760	-336	-398	-467	-532	-571	-559	-531	-451	-358	-250
2770	-139	-26	107	162	246	304	314	327	375	313
2780	253	162	32	-19	-85	-110	-110	-74	-33	19
2790	86	128	172	219	269	284	287	262	190	119
2800	53	-37	-139	-249	-340	-415	-475	-511	-518	-503
2810	458	396	375	337	278	224	157	-96	-12	79
2820	166	249	331	375	404	448	461	434	387	314
2830	223	136	35	51	-115	-163	-195	-201	-188	-164
2840	-145	-134	-132	-137	-147	-155	-154	-145	-129	-97
2850	-70	-57	-54	-54	-54	-54	-54	-54	-54	-36
2860	1	70	131	182	239	328	407	461	509	533
2870	543	528	491	447	390	297	224	189	179	183
2880	194	199	200	200	189	151	99	50	0	-56
2890	-112	-166	-211	-252	-303	-321	-321	-307	-271	-221
2900	167	110	-65	-48	-45	-41	-33	-15	16	56
2910	158	207	241	266	285	300	311	314	314	311
2920	288	246	203	175	173	184	191	180	140	79
2930	-16	-125	-227	-308	-402	-429	-433	-417	-378	-318
2940	-287	-228	-195	-184	-190	-205	-234	-280	-337	-385
2950	-430	-461	-466	-465	-457	-433	-406	-369	-324	-274
2960	-216	-149	-89	-41	-17	-7	5	19	29	43
2970	76	150	226	274	311	360	423	460	476	484
2980	468	493	500	503	507	518	524	525	525	522
2990	515	501	472	425	367	314	249	143	54	15
3000	-44	-113	-170	-219	-251	-258	-258	-244	-238	-244
3010	-202	-178	-162	-155	-160	-176	-203	-216	-231	-248
3020	-254	-268	-302	-362	-428	-488	-544	-614	-625	-644
3030	-620	-611	-558	-477	-389	-313	-260	-187	-139	-111
3040	-88	-44	-46	-30	-30	-17	-1	32	76	114
3050	140	184	240	293	325	356	360	365	364	349
3060	315	257	214	165	96	19	-17	-47	-61	-63
3070	9	67	132	173	204	213	220	210	195	153
3080	97	47	0	-54	-68	-111	-114	-110	-102	-90
3090	-68	-34	7	35	63	97	138	177	220	248
3100	262	284	289	276	247	209	165	114	76	43
3110	27	19	18	23	34	56	97	154	198	220
3120	224	223	185	132	56	-16	-89	-152	-214	-251
3130	-294	-337	-331	-307	-249	-187	-126	-74	-38	-23
3140	-22	-28	-52	-98	-147	-190	-221	-241	-248	-258
3150	-261	-261	-251	-218	-160	-98	-35	30	98	163
3160	224	284	344	398	459	474	485	492	496	473
3170	422	364	297	230	180	139	102	60	71	71
3180	74	77	83	92	96	100	100	84	36	-26

TO BE CONTINUED

CONTINUED(S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	-81	-130	-187	-254	-324	-383	-446	-468	-471	-495
3200	-408	-329	-251	-172	-91	-12	68	152	211	232
3210	237	230	190	115	31	35	-101	-170	-210	-228
3220	-224	-189	-129	-68	-20	11	79	114	139	153
3230	155	151	138	118	84	33	-13	-76	-143	-200
3240	-250	-308	-365	-472	-537	-605	-645	-655	-651	-628
3250	-577	-515	-458	-411	-365	-319	-273	-227	-180	-131
3260	-80	-25	30	89	140	177	205	224	249	262
3270	3280	368	363	373	377	364	337	296	256	214
3280	353	333	303	268	228	180	124	76	30	14
3290	160	93	26	15	40	132	160	174	170	150
3300	409	42	15	73	133	194	238	267	283	273
3310	263	220	167	78	30	-9	33	35	-35	-21
3320	-13	21	63	85	98	96	92	84	73	62
3330	49	31	8	-14	-27	-34	-35	-32	-28	-18
3340	-14	-13	-12	-9	-1	8	32	52	56	86
3350	104	128	147	148	137	120	101	81	59	41
3360	20	5	0	0	4	10	12	4	-2	-34
3370	-70	-108	-154	-204	-249	-271	-287	-290	-289	-270
3380	-231	-202	-179	-161	-132	-106	-94	-75	-55	-51
3390	-51	-51	-57	-54	-52	-52	-52	-59	-74	-94
3400	-111	-121	-118	-103	-79	-55	-36	-29	-41	-64
3410	-97	-139	-173	-185	-183	-164	-116	-53	13	74
3420	124	164	176	182	183	174	161	150	134	122
3430	115	106	95	86	77	71	67	61	56	59
3440	50	45	41	32	20	6	0	4	-7	-9
3450	-10	-15	-37	-76	-114	-147	-175	-188	-189	-185
3460	-180	-174	-174	-175	-174	-170	-158	-141	-131	-125
3470	-123	-122	-106	-80	-60	-31	3	25	32	32
3480	22	10	4	3	4	13	27	31	24	6
3490	-13	-29	-44	-59	-73	-80	-77	-64	-39	2
3500	57	94	112	128	133	130	111	70	22	-31
3510	-83	-121	-145	-150	-150	-144	-128	-92	-28	46
3520	125	183	244	300	345	363	366	366	366	366
3530	363	361	361	361	359	358	355	351	347	336
3540	314	287	254	207	165	146	131	115	103	85
3550	60	37	3	54	-112	-162	-202	-219	-205	-161
3560	101	-45	24	86	115	149	183	210	218	231
3570	237	237	230	199	174	137	81	12	-88	-135
3580	-187	-235	-277	-289	-285	-268	-243	-215	-185	-168
3590	-165	-178	-202	-235	-317	-353	-356	-339	-298	-249
3600	-205	-178	-171	-165	-162	-152	-132	-121	-99	-74
3610	-41	29	48	84	126	160	196	202	201	193
3620	189	135	108	54	-5	-64	-75	-99	-137	-145
3630	-156	-158	-154	-135	-108	-66	-46	-24	-68	-69
3640	-85	-93	-102	-105	-97	-86	-54	-5	33	76
3650	118	149	163	159	136	101	55	0	-40	-78
3660	-102	-100	-94	-72	-49	-22	-5	-2	-3	-13
3670	-29	-52	-67	-91	-125	-155	-170	-172	-162	-142
3680	-115	-80	-48	-26	-10	0	7	11	12	17
3690	19	19	19	6	-7	-30	-46	-61	-87	-109
3700	-135	-162	-190	-222	-236	-242	-228	-198	-166	-166
3710	-119	-65	-16	21	32	49	75	98	121	139
3720	140	144	169	202	237	287	343	399	433	472

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 SOUTH)

CONTINUED (S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	88	106	123	131	137	132	143	154	159	163
4280	166	167	165	162	148	126	104	74	30	-9
4290	-54	-94	-132	-163	-174	-220	-233	-239	-238	-238
4300	-230	-216	-203	-188	-168	-148	-128	-108	-94	-84
4310	-78	-75	-76	-74	-75	-80	-80	-73	-70	-63
4320	-53	-43	-42	-42	-47	-60	-73	-83	-96	-106
4330	-112	-115	-124	-134	-129	-138	-150	-161	-174	-182
4340	-183	-183	-177	-163	-141	-137	-107	-70	-51	-35
4350	-4	-19	-25	-43	-53	-82	-101	-110	-113	-113
4360	101	-77	-54	-16	42	76	105	149	169	149
4370	201	227	238	249	260	264	267	264	256	256
4380	249	242	229	242	191	165	136	118	97	80
4390	71	70	75	80	96	101	102	101	96	86
4400	80	65	51	39	27	16	9	3	-2	-6
4410	-6	-6	-6	-6	-12	-15	-22	-33	-40	-46
4420	-45	-42	-42	-42	-47	-53	-54	-58	-64	-71
4430	-80	-80	-84	-84	-88	-102	-115	-131	-143	-149
4440	-106	-93	-84	-84	-88	-102	-115	-131	-143	-149
4450	-150	-145	-136	-124	-110	-93	-69	-41	-10	21
4460	44	48	86	96	110	114	121	126	135	144
4470	145	145	136	123	108	86	74	63	53	51
4480	40	32	22	14	14	19	24	33	45	53
4490	62	71	74	76	78	74	64	48	40	29
4500	8	-20	-44	-55	-67	-68	-68	-58	-49	-42
4510	-32	-22	-11	0	19	41	53	60	61	54
4520	39	24	8	-5	-11	-12	-10	1	11	24
4530	32	38	46	59	66	68	66	49	19	-13
4540	-45	-67	-90	-102	-110	-113	-114	-113	-111	-103
4550	-95	-83	-71	-59	-44	-32	-22	-6	4	12
4560	16	17	16	16	19	25	33	39	44	50
4570	54	56	61	64	65	62	58	51	45	41
4580	34	25	14	3	-9	-24	-41	-58	-75	-91
4590	-112	-132	-146	-149	-144	-132	-115	-99	-88	-83
4600	-79	-77	-77	-78	-79	-80	-81	-84	-85	-86
4610	-86	-86	-85	-83	-80	-73	-66	-52	-21	16
4620	49	83	114	139	151	155	160	159	145	123
4630	108	88	70	55	42	34	32	30	27	26
4640	24	24	24	24	25	28	30	31	34	41
4650	48	57	66	71	77	84	90	101	112	119
4660	131	143	152	158	157	151	144	129	98	66
4670	45	17	-7	-22	-31	-39	-41	-42	-47	-53
4680	-59	-64	-66	-67	-66	-66	-67	-65	-62	-61
4690	-58	-55	-55	-56	-56	-55	-54	-44	-44	-46
4700	-51	-57	-61	-66	-70	-75	-78	-80	-80	-78
4710	-68	-53	-32	-8	10	33	44	45	40	31
4720	21	14	3	-8	-12	-15	-15	-14	-10	-8
4730	-4	0	6	12	17	24	27	33	37	43
4740	52	62	69	77	83	82	78	63	46	22
4750	-5	-27	-51	-68	-85	-92	-98	-99	-101	-101
4760	-101	-101	-99	-97	-89	-77	-56	-43	-26	-8
4770	4	4	34	39	40	34	25	13	6	1
4780	8	7	8	11	11	11	11	10	5	-1
4790	8	7	8	11	11	11	11	10	5	-1
4800	-8	-11	-13	-16	-16	-12	-2	33	51	51
4810	67	71	73	73	67	62	55	47	41	35
4820	33	34	35	33	33	33	33	33	33	33
4830	-27	-21	-13	-5	-2	-4	-3	-4	-6	-8
4840	80	81	81	81	81	80	80	81	81	78
4850	45	39	34	25	18	14	13	12	12	10
4860	10	11	11	11	12	12	12	12	12	10
4870	7	3	0	-2	-4	-7	-9	-9	-10	-11
4880	9	5	0	-2	-4	-7	-9	-9	-10	-11
4890	-15	-22	-29	-37	-46	-51	-56	-57	-58	-55
4900	-51	-44	-31	-17	-2	12	27	40	48	64
4910	72	74	88	100	108	115	119	123	134	134
4920	133	131	128	127	116	110	105	98	93	88
4930	83	79	78	80	80	80	81	81	78	68
4940	34	10	-14	-27	-40	-84	-122	-148	-171	-197
4950	-241	-216	-222	-224	-227	-228	-229	-229	-229	-225
4960	-209	-178	-132	-90	-55	-25	0	9	17	47
4970	17	17	17	12	5	1	-3	-6	-7	-7
4980	-5	0	9	20	32	43	51	59	64	66
4990	70	79	87	97	103	107	110	110	114	124
5000	131	140	147	152	155	157	158	162	171	177
5010	177	176	175	174	159	129	96	70	44	15
5020	18	-45	-64	-63	-96	-103	-106	-105	-93	-81
5030	-69	-72	-69	-69	-69	-72	-72	-82	-90	-95
5040	-77	-72	-69	-69	-69	-72	-72	-82	-90	-95
5050	-105	-120	-132	-139	-147	-161	-168	-174	-182	-193
5060	-199	-198	-190	-182	-180	-172	-163	-148	-147	-139
5070	-131	-117	-111	-106	-103	-100	-100	-100	-100	-96
5080	-86	-60	-36	-24	-5	20	43	57	71	91
5090	102	111	129	139	141	141	146	147	150	151
5100	151	151	151	160	171	179	191	207	223	241
5110	251	266	276	282	283	283	278	272	256	235
5120	205	171	137	95	60	26	-5	-36	-67	-98
5130	-121	-133	-138	-146	-146	-148	-146	-143	-138	-132
5140	-127	-122	-117	-109	-98	-88	-82	-79	-73	-63
5150	-55	-42	-26	-15	-11	-10	-9	-9	-10	-12
5160	-14	-15	-15	-15	-15	-17	-21	-26	-29	-31
5170	-37	-42	-44	-44	-45	-46	-43	-35	-24	-11
5180	1	11	16	18	20	21	21	22	22	21
5190	-21	-16	14	14	11	9	4	-7	-22	-39
5200	-25	-16	-9	0	12	23	33	38	39	39
5210	39	37	33	28	14	9	5	0	4	6
5220	-9	-14	-17	-19	-17	-12	-6	-2	4	4
5230	20	26	32	34	34	32	26	24	22	20
5240	21	22	26	32	37	46	67	89	96	98
5250	99	97	89	81	69	56	46	40	36	32
5260	25	23	21	19	14	13	10	9	0	-25
5270	-59	-82	-95	-99	-105	-109	-109	-109	-110	-110
5280	-113	-113	-113	-113	-107	-94	-83	-69	-44	-64
5290	-27	-8	2	12	13	19	23	25	20	19
5300	19	19	23	22	22	23	18	8	2	-1
5310	-4	-7	-10	-14	-17	-17	-13	-7	-6	6
5320	14	23	36	51	71	90	114	118	125	127
5330	127	127	125	119	120	116	112	106	102	96
5340	83	66	37	24	11	-20	-28	-35	-50	-71

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1202 SOUTH)

CONTINUED(S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	-74	-85	-87	-103	-104	-105	-100	-99	-93	
5360	-87	-72	-70	-55	-39	-29	-17	8	23	36
5370	40	41	40	40	40	37	36	36	35	35
5380	35	37	34	28	18	10	0	-25	-44	-44
5390	-72	-101	-115	-129	-143	-165	-172	-167	-175	-167
5400	-163	-155	-146	-136	-126	-116	-104	-96	-88	-88
5410	-75	-61	-54	-40	-22	-3	16	34	44	55
5420	64	70	79	89	93	93	92	91	87	87
5430	82	78	67	56	45	39	32	28	26	26
5440	25	24	31	38	47	56	65	71	71	68
5450	66	64	61	58	55	52	49	46	42	38
5460	30	26	21	16	12	8	4	3	6	7
5470	8	12	15	18	26	38	45	47	49	50
5480	50	48	42	34	28	18	17	19	25	24
5490	33	40	50	53	55	52	44	36	29	21
5500	13	12	15	20	24	26	30	35	35	36
5510	35	32	30	28	27	24	23	21	18	13
5520	6	0	-5	-11	-17	-25	-36	-47	-53	-58
5530	-59	-56	-51	-46	-42	-39	-34	-31	-30	-29
5540	-28	-23	-14	-5	5	19	26	29	27	17
5550	1	-15	-33	-48	-60	-68	-74	-78	-78	-78
5560	-78	-79	-82	-86	-95	-98	-109	-114	-121	-129
5570	-130	-130	-130	-129	-123	-117	-103	-85	-61	-45
5580	-28	-7	9	13	27	42	46	50	58	66
5590	73	76	79	79	76	65	49	41	30	15
5600	7	2	1	1	1	5	14	22	41	52
5610	56	59	57	55	51	51	55	53	60	65
5620	66	66	66	66	65	65	62	56	56	56
5630	54	52	52	56	60	61	59	56	50	41
5640	38	35	28	22	18	9	6	3	0	-4
5650	-7	-8	-15	-20	-27	-34	-40	-52	-61	-71
5660	-79	-85	-93	-97	-98	-98	-99	-94	-89	-89
5670	-87	-86	-79	-68	-54	-40	-29	-16	0	12
5680	15	20	26	32	38	45	52	59	60	59
5690	61	62	60	60	57	55	52	49	47	46
5700	48	53	56	61	67	71	72	72	72	61
5710	46	35	27	22	19	18	19	23	29	37
5720	48	58	65	70	71	70	63	52	43	37
5730	30	25	19	11	4	-6	-16	-24	-29	-31
5740	-31	-31	-31	-32	-37	-47	-57	-65	-71	-76
5750	-83	-91	-97	-97	-93	-88	-83	-74	-63	-57
5760	-50	-44	-40	-38	-37	-33	-24	-16	-8	6
5770	1	12	20	24	33	35	38	41	43	43
5780	43	42	40	37	33	28	23	21	15	7
5790	2	1	4	9	13	14	16	18	21	29
5800	33	31	27	23	28	33	40	43	42	42
5810	37	33	35	41	44	36	17	1	-10	-17
5820	-25	-28	-30	-33	-30	-26	-18	-12	-9	-5
5830	-1	4	8	8	6	-2	-9	-14	-18	-23
5840	-28	-29	-30	-33	-34	-36	-37	-38	-35	-35
5850	-32	-30	-24	-20	-13	-11	-7	-4	2	5
5860	5	-4	-16	-14	-12	-7	-7	-7	1	1
5870	21	50	65	70	71	80	84	83	82	79
5880	76	72	70	65	62	61	63	62	53	50

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 SOUTH)

CONTINUED (S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
6430	24	23	20	17	15	14	14	8	4	0										
6440	-3	-5	-8	-10	-10	-9	-9	-5	8	16										
6450	20	21	21	20	21	24	23	19	17	18										
6460	19	19	25	29	32	35	41	43	42	42										
6470	45	46	39	39	34	29	27	19	12	9										
6480	4	2	2	5	9	9	9	11	12	12										
6490	12	12	14	15	18	21	21	22	22	22										
6500	21	16	11	6	3	-6	-16	-21	-25	-25										
6510	-25	-25	-25	-25	-25	-20	-19	-19	-19	-9										
6520	7	13	17	23	29	35	40	41	38	39										
6530	40	40	38	36	28	22	21	20	20	20										
6540	20	20	20	20	18	15	13	6	0	0										
6550	-6	-11	-34	-43	-58	-74	-84	-88	-89	-89										
6560	-91	-91	-93	-93	-93	-92	-92	-92	-91	-87										
6570	-83	-77	-73	-69	-66	-62	-59	-57	-58	-44										
6580	-63	-68	-67	-65	-63	-61	-61	-65	-62	-58										
6590	-33	-28	-24	-21	-19	-18	-14	-6	0	3										
6600	11	17	20	23	27	30	30	29	29	29										
6610	26	23	20	17	15	14	13	12	11	9										
6620	6	3	1	0	-2	-2	-2	-2	-7	-6										
6630	-7	-6	-6	-6	-6	-6	-6	-6	-3	0										
6640	1	1	3	5	7	12	17	19	21	21										
6650	20	18	15	12	12	12	12	12	13	13										
6660	13	14	24	44	61	70	70	71	73	74										
6670	75	74	73	73	71	66	65	65	65	63										
6680	56	54	53	52	49	49	49	50	54	60										
6690	63	64	65	65	66	67	67	66	62	62										
6700	59	56	53	49	46	44	42	39	35	32										
6710	24	23	22	20	5	0	-2	-10	-15	-19										
6720	-25	-31	-36	-38	-39	-41	-42	-45	-45	-45										
6730	-45	-45	-45	-45	-46	-51	-55	-52	-52	-52										
6740	-52	-52	-53	-55	-58	-60	-60	-63	-66	-63										
6750	-69	-72	-73	-75	-75	-78	-78	-78	-78	-73										
6760	-71	-69	-67	-63	-59	-55	-44	-24	-8	9										
6770	27	32	44	53	59	61	59	56	57	56										
6780	55	54	54	50	45	44	42	41	41	39										
6790	38	37	37	37	31	26	25	25	21	10										
6800	5	2	-7	-9	-10	-12	-16	-18	-22	-29										
6810	-30	-30	-30	-30	-27	-23	-23	-22	-21	-18										
6820	-14	-13	-13	-13	-13	-13	-13	-13	-18	-18										
6830	-16	-17	-8	0	8	18	26	35	40	46										
6840	51	55	56	55	55	52	45	36	25	25										
6850	16	6	-5	-14	-23	-24	-27	-30	-32	-36										
6860	-38	-38	-38	-36	-36	-35	-32	-28	-27	-24										
6870	-21	-19	-18	-19	-22	-25	-27	-29	-31	-32										
6880	-33	-34	-35	-37	-39	-41	-45	-51	-58	-62										
6890	-62	-62	-62	-59	-55	-51	-46	-43	-37	-35										
6900	-33	-30	-27	-26	-26	-25	-22	-18	-15	-13										
6910	-11	-8	-4	-1	0	3	10	14	18	18										
6920	22	26	35	37	38	40	44	47	49	50										
6930	50	51	51	54	60	61	61	60	59	59										
6940	56	51	46	42	39	36	32	30	29	29										
6950	29	28	25	24	24	24	24	24	24	22										
6960	20	19	15	14	12	9	6	3	0	-6										

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	34	37	41	41	41	41	40	39	37	34
7520	31	28	27	27	26	22	17	13	18	18
7530	20	26	7	4	3	2	1	2	-1	-6
7540	7	4	3	3	2	2	1	2	-1	-6
7550	-12	-15	-19	-22	-26	-31	-33	-33	-34	-36
7560	-36	-36	-35	-36	-36	-36	-39	-39	-39	-39
7570	-36	-35	-33	-31	-31	-25	-25	-23	-23	-21
7580	-20	-18	-9	-1	5	7	13	18	20	21
7590	24	29	25	25	25	21	17	15	14	14
7600	11	9	8	5	3	-2	-8	-12	-16	-16
7610	-16	-13	-13	-14	-14	-13	-12	-11	-8	-7
7620	-4	-3	0	0	0	-6	-7	-7	-9	-13
7630	-9	-7	-6	-6	-6	-6	-7	-7	-9	-13
7640	-15	-16	-19	-22	-25	-26	-27	-27	-27	-26
7650	-24	-24	-24	-24	-27	-27	-27	-27	-27	-26
7660	-23	-19	-15	-7	0	6	10	12	12	16
7670	16	16	16	16	16	16	16	16	13	7
7680	6	5	3	-1	-4	-7	-12	-18	-20	-20
7690	-20	-18	-16	-16	-13	-12	-8	-3	0	5
7700	8	12	19	19	22	24	24	30	32	32
7710	32	32	29	27	27	23	18	16	14	8
7720	0	-4	-11	-15	-16	-21	-26	-28	-29	-29
7730	-28	-27	-29	-29	-28	-25	-23	-22	-21	-20
7740	-16	-13	-12	-10	-8	-6	-4	-2	-1	6
7750	11	15	19	24	28	31	34	38	41	41
7760	40	40	41	44	45	46	47	47	46	45
7770	44	45	42	38	37	36	34	31	29	28
7780	26	23	21	17	15	12	8	7	7	9
7790	14	15	15	15	18	22	22	23	24	25
7800	25	26	26	25	22	20	18	17	16	11
7810	5	4	3	0	-3	-5	-4	-2	-3	-4
7820	-4	-5	-5	-5	-5	-5	-7	-6	-10	-12
7830	-16	-17	-22	-23	-23	-23	-23	-28	-35	-37
7840	-37	-39	-43	-44	-46	-46	-45	-43	-40	-37
7850	-32	-27	-28	-30	-31	-31	-32	-34	-34	-34
7860	-35	-31	-27	-24	-22	-19	-15	-13	-12	-12
7870	-5	-1	0	0	3	3	3	1	-3	-7
7880	-10	-12	-15	-17	-16	-15	-13	-15	-13	-10
7890	-8	-6	-4	-3	0	0	0	0	-1	-1
7900	-4	-11	-9	-10	-10	-8	-8	-8	-5	-3
7910	2	7	7	7	3	0	-4	-7	-10	-12
7920	-13	-17	-20	-21	-23	-22	-21	-21	-21	-21
7930	-21	-18	-17	-17	-17	-16	-15	-16	-15	-16
7940	-17	-19	-22	-24	-25	-26	-29	-30	-30	-30
7950	-25	-18	-13	-8	-4	1	6	5	6	5
7960	9	12	14	13	16	19	20	21	28	36
7970	40	43	46	48	48	48	45	43	42	41
7980	42	41	40	40	40	41	40	40	40	40
7990	39	37	36	36	36	36	36	38	37	40
8000	40	39	39	39	36	34	30	28	27	25
8010	24	22	21	20	20	20	20	20	20	17
8020	14	12	11	10	7	5	4	3	2	0
8030	-4	-8	-10	-11	-11	-11	-11	-15	-19	-23
8040	-26	-28	-31	-33	-34	-36	-38	-39	-40	-40

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 SOUTH)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	10	7	6	4	0	-2	-3	-4	-7	-10
8600	-12	-11	-12	-16	-19	-21	-21	-21	-21	-22
8610	-22	-22	-24	-26	-26	-26	-27	-27	-26	-26
8620	-27	-28	-27	-23	-18	-17	-17	-17	-17	-17
8630	-14	-11	-11	-10	-9	-7	-7	-7	-7	-8
8640	-9	-9	-10	-11	-11	-11	-11	-11	-10	-10
8650	-10	-10	-10	-11	-11	-11	-11	-12	-13	-13
8660	-13	-13	-13	-13	-13	-12	-12	-9	-6	-6
8670	-7	-11	-15	-18	-19	-19	-20	-20	-21	-25
8680	-27	-29	-30	-30	-30	-27	-21	-16	-11	-6
8690	-5	-3	1	5	8	11	13	15	17	20
8700	22	23	27	29	33	41	41	42	45	46
8710	45	45	43	44	44	44	42	41	41	41
8720	35	34	34	34	34	35	36	41	41	41
8730	41	37	37	35	31	31	30	29	27	24
8740	22	22	21	20	18	16	18	20	21	24
8750	25	25	25	25	23	19	12	10	8	7
8760	1	0	-5	-7	-10	-13	-15	-15	-15	-17
8770	-20	-25	-25	-25	-26	-27	-29	-29	-27	-26
8780	-24	-24	-26	-26	-26	-26	-33	-30	-29	-33
8790	-33	-33	-33	-33	-34	-31	-27	-22	-23	-25

END

RECORD = S-1202 COMPONENT = WEST STATION = HACHINOHE-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 8800
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC. CONNECTION POINT IN DATA NUMBER= 4349, 8800,

CONTINUED (S-1202 WEST)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-8	-6	-9	-9	-9	-10	-10	-10	-10	-10
10	-10	-10	-10	-10	-10	-10	-10	-8	-7	-7
20	-5	-4	-2	0	1	2	4	5	7	10
30	12	12	12	12	6	1	0	2	4	4
40	4	1	-3	-2	1	0	8	4	0	0
50	-3	-6	-5	-4	-2	0	0	-4	-12	-20
60	-27	-24	-19	-15	-13	-14	-17	-16	-14	-19
70	-9	4	15	24	31	31	26	21	19	19
80	18	21	24	24	14	11	14	13	12	14
90	12	9	7	14	21	21	21	-3	-18	-25
100	-14	-13	-10	-6	-4	-4	-9	-18	-27	-35
110	-42	3	17	26	29	24	17	4	-8	-21
120	-25	-23	-20	-16	-12	-10	-9	-9	-11	-14
130	-15	-16	-14	-12	-12	-18	-28	-30	-29	-29
140	-29	-29	-27	-23	-21	-21	-20	-18	-12	-6
150	-1	-4	-4	-4	3	24	45	55	57	56
160	52	38	29	28	29	31	34	38	43	51
170	56	54	42	25	14	8	0	-10	-17	-20
180	-22	-24	-23	-22	-25	-27	-28	-24	-21	-21
190	-11	-19	-10	-1	8	7	4	-4	-8	-10
200	-11	-12	-15	-22	-30	-34	-35	-28	-10	7
210	24	31	23	17	15	19	24	30	39	44
220	37	31	26	28	29	31	34	26	14	7
230	8	9	12	15	12	8	2	11	17	14
240	26	31	31	27	15	9	-1	-5	-5	-5
250	-6	-7	-7	-7	-14	-27	-34	-35	-33	-30
260	-26	-24	-23	-8	13	31	38	39	37	30
270	19	12	7	1	0	3	8	9	10	9
280	7	10	16	20	11	2	2	-2	-9	-20
290	-29	-32	-32	-32	-27	-13	12	39	61	76
300	81	79	66	40	20	11	9	12	17	18
310	19	17	10	5	4	4	1	0	-1	-1
320	0	-1	1	5	7	5	0	-3	-8	-11
330	-8	-3	1	5	2	-1	-4	-5	-6	-7
340	-8	-9	-11	-15	-20	-22	-25	-26	-21	-11
350	1	19	23	23	23	24	29	34	38	39
360	35	26	24	22	18	15	8	3	0	0
370	1	10	20	27	29	30	33	36	40	43
380	38	30	18	10	7	7	7	6	0	-8
390	-17	-23	-27	-25	-15	-7	8	24	31	32
400	28	24	18	13	5	-5	-19	-30	-26	-16
410	6	23	30	34	39	38	35	26	26	23
420	25	28	25	10	5	5	10	16	15	15
430	14	11	10	10	10	9	11	14	12	19
440	16	16	12	9	3	2	0	-5	-17	-31
450	-4	3	3	-22	-20	-14	0	6	7	5
460	4	3	3	3	4	4	4	3	1	1
470	5	8	12	15	15	12	11	14	17	21
480	32	48	63	72	75	73	69	58	52	47

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 WEST)										CONTINUED (S-1202 WEST)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	0	5	5	0	-6	-8	-9	-10	-12	-20	1370	-1	-3	-3	-4	-19	-47	-71	-71	-71	-69
1040	-17	-14	-14	-14	-16	-25	-27	-33	-37	-40	1380	-55	-44	-29	-29	-29	-28	-24	-17	-8	0
1050	-65	-69	-51	-50	-37	-23	-11	0	17	28	1390	6	14	34	50	51	51	50	41	37	23
1060	40	42	48	50	54	58	56	45	40	36	1400	22	22	22	22	32	37	43	61	66	66
1070	31	29	22	21	21	22	21	20	22	21	1410	65	64	64	64	64	70	74	74	72	55
1080	17	6	-1	-18	-25	-26	-26	-28	-36	-39	1420	35	24	11	0	-11	-13	-19	-27	-22	-12
1090	-44	-46	-45	-32	-5	13	18	22	24	22	1430	1	15	19	31	33	24	20	10	-7	-26
1100	19	16	14	9	8	11	18	26	36	39	1440	-43	-61	-76	-79	-61	-80	-80	-80	-80	-86
1110	37	35	37	44	54	58	55	48	34	15	1450	87	90	91	90	74	45	18	6	25	47
1120	0	-6	-7	3	11	14	15	14	15	15	1460	58	60	59	47	30	21	16	15	15	14
1130	43	9	3	-10	-32	-51	-58	-67	-71	-61	1470	43	13	13	16	22	26	18	0	-14	-24
1140	-46	-33	-25	-23	-21	-22	-24	-30	-37	-34	1480	-32	-38	-30	-22	-14	-8	-4	-4	-10	-17
1150	-19	6	28	34	35	37	37	32	24	7	1490	-22	-25	-26	-26	-26	-26	-25	-24	-23	-17
1160	-12	-26	-34	-37	-42	-44	-44	-50	-59	-60	1500	-12	-7	-4	-4	-6	-9	-14	-16	-17	-15
1170	-52	-41	-32	-29	-28	-30	-34	-32	-19	-5	1510	-11	-10	-10	-8	-3	9	27	43	49	55
1180	8	30	51	64	70	70	68	58	37	19	1520	62	67	70	71	70	68	67	65	58	51
1190	10	0	-7	-17	-24	-27	-28	-23	-13	-2	1530	51	56	56	45	37	29	22	22	19	12
1200	3	8	16	34	55	67	69	70	71	69	1540	7	3	-7	-33	-53	-55	-55	-56	-57	-56
1210	69	74	76	76	75	73	68	68	67	59	1550	-55	-55	-46	-31	-19	-14	-10	-5	3	17
1220	37	10	-16	-37	-51	-55	-53	-50	-42	-32	1560	28	32	35	41	50	58	65	71	70	76
1230	-21	-18	-18	-20	-20	-20	-23	-35	-57	-73	1570	83	80	72	54	44	22	14	0	-19	-30
1240	-81	-89	-99	-108	-116	-119	-121	-120	-112	-98	1580	-43	-54	-54	-44	-22	-1	16	27	34	34
1250	-78	-60	-50	-45	-42	-42	-43	-41	-41	-37	1590	35	37	37	39	42	42	41	33	18	9
1260	-28	-23	-12	-5	2	11	18	22	27	27	1600	-3	-15	-28	-32	-41	-53	-47	-35	-24	-15
1270	25	17	10	5	-4	-11	-13	-17	-11	-1	1610	-6	6	20	32	34	31	19	7	-15	-31
1280	8	20	25	29	31	32	33	34	35	35	1620	-37	-37	-41	-53	-58	-61	-61	-57	-50	-43
1290	39	50	63	66	60	45	24	23	25	31	1630	-30	-16	-16	9	22	44	61	72	72	71
1300	38	40	41	39	31	27	24	29	34	38	1640	72	73	73	72	58	37	15	-5	-13	-14
1310	45	48	56	56	50	43	33	28	27	25	1650	-19	-20	-19	18	19	19	12	-7	-23	-42
1320	24	9	-2	-19	-20	-22	-30	-41	-44	-49	1660	-39	-38	-29	-14	-16	-12	-14	-19	-26	-36
1330	-50	-40	-25	-21	-16	-12	-12	-12	-18	-19	1670	-8	-17	-24	-26	-28	-28	-28	-31	-31	-31
1340	-17	-13	-8	-8	-11	-12	-6	10	26	40	1680	-34	-35	-39	-28	-14	0	26	40	63	73
1350	42	37	29	16	-2	-11	-20	-22	-23	-22	1690	69	68	67	64	48	35	26	20	13	1
1360	-22	-16	-9	-7	-11	-17	-22	-28	-27	-23	1700	-8	-13	-18	-15	-11	-4	-1	1	14	18
1370	-25	-22	-22	-20	-19	-17	-14	-14	-19	-27	1710	19	18	19	19	19	19	12	-7	-23	-42
1380	-31	-34	-36	-37	-38	-37	-35	-30	-22	-13	1720	-58	-59	-62	-66	-71	-81	-94	-99	-108	-108
1390	-5	0	4	4	6	3	1	5	20	44	1730	-107	-101	-99	-98	-97	-92	-89	-88	-82	-81
1400	75	96	104	110	117	119	119	119	118	117	1740	15	36	54	64	70	86	95	94	96	97
1410	116	111	95	75	56	28	9	1	-1	3	1750	97	97	88	80	71	61	50	42	37	27
1420	11	17	23	23	20	14	14	18	19	12	1760	19	14	13	10	12	10	-3	-21	-25	-28
1430	-7	-26	-35	-40	-45	-47	-45	-42	-38	-29	1770	-37	-50	-69	-86	-97	-89	-68	-37	-11	8
1440	-13	0	9	4	-5	-14	-23	-27	-26	-26	1780	16	16	15	9	4	0	-5	-9	-8	1
1450	-24	-23	-23	-23	-24	-24	-17	-9	-7	-8	1790	14	25	32	36	50	67	79	83	84	86
1460	-10	-14	-15	-13	-11	-10	-12	-15	-17	-21	1800	91	104	118	135	130	138	159	127	99	74
1470	-23	-24	-24	-30	-36	-39	-40	-44	-47	-47	1810	45	14	8	10	-18	-18	-18	-22	-29	-34
1480	-47	-47	-45	-40	-32	-25	-22	-23	-31	-52	1820	-38	-43	-43	-35	-61	-62	-60	-58	-53	-68
1490	-73	-79	-79	-77	-69	-58	-46	-33	-15	15	1830	-46	-44	-41	-41	-41	-47	-64	-77	-78	-74
1500	42	62	77	84	86	75	59	44	39	34	1840	-62	-62	-62	-62	-62	-62	-62	-62	-62	-62
1510	24	16	17	22	33	42	47	49	48	50	1850	-55	-81	-93	-92	-89	-89	-89	-89	-89	-89
1520	55	55	56	59	51	43	39	35	40	49	1860	30	38	50	59	71	73	66	41	17	-8
1530	59	61	69	75	74	72	68	65	65	66	1870	-20	-20	-20	-17	-7	8	25	33	35	46
1540	66	61	43	35	16	-2	-14	-24	-29	-35	1880	72	80	80	56	37	41	21	-4	-17	-18
1550	-57	-62	-67	-69	-70	-69	-58	-41	-30	-20	1890	-15	-7	11	21	21	23	31	42	60	90
1560	-1	15	23	32	38	37	29	20	12	4	1900	103	114	115	104	67	39	8	-15	-23	-26

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 WEST)

CONTINUED (S-1202 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	-24	-22	-19	-19	-20	-25	-30	-34	-48	-70
2120	-81	-84	-83	-79	-65	-35	-10	6	16	18
2130	20	11	-6	-28	-61	-92	-109	-121	-109	-101
2140	-84	-64	-47	-26	-9	-8	-9	-21	-42	-85
2150	-103	-120	-135	-127	-113	-73	-20	29	68	115
2160	145	141	171	174	149	100	65	18	-49	-107
2170	-422	-418	-99	-71	-35	10	41	54	84	99
2180	108	114	113	100	74	59	35	13	-41	-58
2190	-71	-71	-63	-51	-44	-42	-26	-6	6	26
2200	41	49	55	55	47	26	21	-4	-24	-31
2210	-37	-24	-9	14	31	33	32	31	32	35
2220	38	41	31	0	-29	-59	-92	-93	-100	-101
2230	-78	-40	0	40	64	72	75	65	54	54
2240	53	63	72	82	94	111	113	122	146	159
2250	162	150	88	27	-56	-184	-263	-288	-319	-328
2260	-393	-330	-330	-328	-323	-319	-303	-244	-199	-150
2270	-102	-39	12	68	135	204	267	305	318	328
2280	332	312	267	222	188	165	160	165	175	186
2290	181	165	139	109	93	97	118	143	160	175
2300	190	198	201	205	195	173	144	106	55	0
2310	-23	-52	-114	-170	-192	-201	-202	-190	-162	-126
2320	-85	-45	-20	-11	-7	-13	-26	-51	-89	-128
2330	-150	-160	-164	-149	-126	-88	-40	1	40	89
2340	128	139	138	124	104	76	54	43	37	41
2350	55	67	76	89	99	104	104	97	79	55
2360	2	-65	-122	-166	-214	-252	-259	-244	-234	-211
2370	-165	-131	-114	-91	-74	-53	-47	-47	-52	-75
2380	-112	-143	-172	-189	-211	-229	-236	-238	-227	-193
2390	-145	-92	-34	24	67	111	123	107	108	80
2400	30	-62	-142	-217	-270	-294	-299	-296	-284	-249
2410	-194	-130	-71	-24	12	41	60	79	117	119
2420	151	186	200	217	229	237	243	242	234	215
2430	187	153	119	91	64	58	56	71	87	103
2440	107	82	34	-55	-147	-219	-283	-341	-363	-357
2450	-332	-296	-270	-267	-269	-270	-280	-294	-303	-308
2460	-312	-304	-278	-244	-213	-171	-118	-66	-6	51
2470	115	184	225	271	305	311	320	321	315	289
2480	284	235	221	191	143	90	39	4	-4	8
2490	16	47	97	158	234	298	365	418	433	438
2500	396	319	222	67	-128	-214	-253	-260	-243	-211
2510	-136	-75	-31	9	36	49	65	82	95	102
2520	98	72	28	-9	-27	-25	1	44	94	128
2530	140	147	153	157	164	174	178	182	182	150
2540	66	9	-31	-77	-130	-184	-239	-266	-279	-278
2550	-261	-213	-154	-99	-71	-64	-67	-72	-77	-68
2560	-50	-8	42	96	161	232	278	293	280	184
2570	76	10	-78	-162	-192	-198	-139	-139	-75	30
2580	128	193	233	263	195	90	-37	-168	-276	-382
2590	-418	-458	-497	-525	-541	-539	-508	-425	-287	-180
2600	-29	82	143	217	249	255	257	240	192	128
2610	59	21	17	15	32	85	143	166	178	180
2620	180	180	187	213	240	263	325	372	399	411
2630	369	271	140	-27	-165	-276	-414	-426	-423	-358
2640	-317	-263	-202	-120	-44	-8	12	29	34	22

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 WEST)										
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	100	78	66	55	45	26	-2	-32	-54	-75
3200	-96	-103	-101	-95	-86	-72	-54	-30	0	21
3210	24	12	-1	-8	-21	-53	-105	-159	-202	-227
3220	-237	-241	-239	-228	-217	-209	-207	-207	-203	-199
3230	-177	-176	-195	-185	-168	-154	-144	-138	-135	-135
3240	-133	-132	-132	-131	-131	-127	-113	-74	-12	33
3250	36	45	72	71	60	40	16	6	6	9
3260	22	53	104	167	225	277	315	324	365	387
3270	390	369	307	268	192	113	52	-13	-85	-129
3280	-136	-132	-130	-125	-125	-126	-142	-157	-174	-174
3290	-180	-185	-189	-187	-193	-211	-239	-256	-276	-300
3300	-308	-299	-279	-250	-218	-185	-141	-140	-140	-141
3310	-200	-232	-279	-327	-348	-350	-323	-273	-227	-189
3320	-139	-95	-61	-38	-21	-18	-14	1	3	16
3330	330	68	104	122	134	144	148	146	145	132
3340	125	113	98	88	87	87	104	123	127	117
3350	107	99	88	84	83	83	83	104	118	137
3360	174	216	263	300	340	382	414	421	421	397
3370	349	300	280	276	279	280	279	276	275	276
3380	279	285	294	314	333	345	346	339	324	296
3390	265	235	205	177	142	80	-13	-119	-201	-260
3400	-289	-273	-253	-231	-223	-312	-303	-300	-295	-290
3410	-283	-272	-259	-237	-222	-210	-200	-199	-195	-207
3420	-226	-237	-240	-240	-278	-283	-274	-235	-209	-186
3430	-157	-136	-117	-112	-110	-109	-110	-110	-105	-93
3440	-64	-13	68	152	210	253	287	303	302	276
3450	224	162	85	47	-13	-36	-64	-87	-94	-92
3460	-79	-66	-54	-47	-46	-59	-88	-120	-142	-155
3470	-162	-178	-197	-202	-214	-218	-186	-135	-93	-44
3480	7	36	57	70	68	61	47	23	76	-32
3490	-49	-56	-58	-60	-64	-67	-71	-73	-75	-82
3500	-87	-87	-89	-93	-89	-75	-60	-50	-40	-32
3510	-24	-19	-19	-15	-12	-12	-18	-36	-50	-64
3520	-74	-90	-130	-171	-217	-277	-290	-304	-299	-259
3530	-179	-79	8	69	100	150	209	248	263	270
3540	274	257	233	202	174	131	73	54	28	21
3550	26	59	99	114	126	130	134	135	143	153
3560	168	187	237	271	294	332	367	390	400	449
3570	483	489	482	444	367	271	155	155	93	51
3580	42	42	53	70	74	69	52	16	-12	-34
3590	-62	-82	-77	-71	-65	-49	-29	-28	-32	-19
3600	-29	-43	-58	-70	-73	-73	-82	-77	-78	-81
3610	-111	-164	-239	-298	-342	-408	-433	-475	-533	-538
3620	-532	-523	-499	-454	-410	-368	-330	-300	-265	-220
3630	-180	-141	-97	-72	-59	-57	-76	-128	-180	-214
3640	-239	-233	-227	-209	-188	-147	-105	-101	-72	-42
3650	-34	-21	-11	-10	-19	-29	-34	-42	-43	-38
3660	-28	-8	22	58	96	128	134	129	126	126
3670	131	144	162	163	138	110	70	24	-4	-33
3680	-57	-86	-132	-166	-170	-168	-152	-99	7	67
3690	103	133	157	174	179	171	156	133	110	100
3700	99	100	100	106	114	117	117	117	117	117
3710	119	120	119	113	110	108	98	88	76	59
3720	46	40	39	42	52	70	101	141	181	225

TO BE CONTINUED

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-92	-100	-111	-113	-113	-112	-100	-69	-34	-7
4280	15	36	51	60	62	61	54	50	49	40
4290	25	17	16	20	29	35	37	36	34	23
4300	1	-27	-61	-93	-136	-145	-167	-186	-198	-200
4310	-300	-194	-183	-173	-164	-155	-138	-113	-91	-70
4320	-57	-41	-12	14	30	41	53	61	61	54
4330	41	32	27	34	51	68	80	85	94	97
4340	91	84	80	64	31	-6	-40	-72	-100	-113
4350	-118	-122	-130	-133	-138	-149	-157	-161	-163	-159
4360	-152	-157	-115	-103	-69	-16	4	19	25	27
4370	21	-6	0	-5	-4	-1	3	7	14	21
4380	27	27	18	6	-2	-6	-12	-16	-16	-17
4390	-22	-31	-41	-46	-50	-49	-45	-39	-27	-12
4400	9	20	35	45	46	44	37	22	8	-7
4410	-17	-25	-32	-38	-40	-36	-26	-22	-16	-11
4420	-4	8	15	19	26	23	31	36	38	44
4430	39	35	30	25	22	20	12	1	-11	-25
4440	-34	-32	-18	-2	34	85	116	151	181	238
4450	344	246	241	224	205	192	160	109	77	56
4460	29	21	30	53	67	83	104	136	152	156
4470	142	102	56	26	0	-19	-42	-59	-69	-76
4480	-80	-83	-90	-103	-109	-128	-154	-165	-181	-187
4490	-188	-177	-171	-168	-159	-155	-155	-156	-161	-163
4500	-168	-180	-189	-303	-215	-214	-206	-186	-162	-152
4510	-130	-95	-52	-21	16	50	87	132	179	211
4520	245	274	303	319	324	326	326	325	318	308
4530	297	282	269	258	245	228	215	208	200	186
4540	162	134	114	97	73	50	29	1	-25	-45
4550	-79	-107	-120	-131	-138	-138	-139	-142	-142	-145
4560	-145	-145	-144	-138	-135	-125	-111	-104	-85	-61
4570	-38	-23	-17	-16	-23	-33	-46	-69	-96	-129
4580	-151	-182	-191	-198	-192	-176	-158	-143	-135	-134
4590	-140	-149	-158	-166	-169	-166	-161	-149	-137	-123
4600	-97	-45	-8	-3	6	-10	-14	-16	-14	-2
4610	20	46	85	134	171	194	211	227	226	208
4620	178	149	114	82	73	61	52	48	47	49
4630	54	61	64	66	60	45	30	17	8	6
4640	6	6	6	6	7	10	12	12	14	16
4650	19	20	20	21	22	22	25	32	33	35
4660	41	42	41	37	33	26	23	19	11	5
4670	5	6	9	12	12	11	9	13	15	21
4680	35	38	39	45	54	59	62	64	65	65
4690	55	42	31	6	-20	-31	-45	-58	-62	-66
4700	-71	-72	-71	-70	-66	-58	-40	-17	-4	21
4710	45	59	64	64	61	58	51	50	44	35
4720	31	26	21	20	25	26	25	20	22	20
4730	17	12	11	11	11	11	10	5	-4	-8
4740	4740	-18	-26	-31	-35	-37	-38	-42	-31	-24
4750	-7	-1	-2	1	-1	-3	-5	-2	6	17
4760	22	29	29	29	16	11	9	5	-3	-26
4770	-40	-47	-57	-60	-59	-58	-56	-55	-54	-51
4780	-30	-48	-45	-42	-35	-30	-17	-5	0	12
4790	31	37	45	52	62	66	72	74	75	73
4800	71	70	63	49	36	19	5	-11	-39	-55

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4810	-62	-64	-63	-63	-54	-36	-28	-13	-4	5
4820	14	26	30	35	41	43	43	46	50	52
4830	53	54	53	51	47	41	38	32	23	16
4840	0	3	1	-1	-6	-6	-5	-3	-1	0
4850	8	1	-1	-10	-18	-31	-44	-62	-81	-104
4860	-116	-126	-129	-127	-123	-115	-100	-90	-79	-67
4870	-60	-51	-34	-17	-8	-4	-2	-2	-7	-12
4880	-21	-33	-49	-61	-68	-68	-70	-71	-68	-62
4890	-60	-58	-50	-44	-42	-41	-41	-41	-41	-41
4900	-42	-42	-43	-43	-43	-43	-43	-43	-43	-40
4910	-33	-21	-8	0	7	13	19	24	29	24
4920	24	33	19	13	11	8	9	16	23	43
4930	55	68	80	99	114	118	121	118	116	102
4940	90	84	78	72	67	68	73	78	83	88
4950	91	89	79	69	60	47	38	33	27	21
4960	17	15	14	14	13	12	12	12	12	13
4970	13	14	19	27	45	59	70	73	73	70
4980	54	30	16	-4	-22	-31	-39	-40	-43	-44
4990	-43	-41	-40	-39	-36	-33	-38	-40	-42	-44
5000	-49	-52	-63	-69	-74	-74	-74	-76	-76	-75
5010	-74	-71	-69	-66	-63	-56	-51	-51	-51	-50
5020	-47	-43	-33	-26	-21	-14	-9	-8	-8	-8
5030	-8	-9	-6	-5	-5	-4	-1	3	15	22
5040	28	32	38	42	42	43	36	26	18	6
5050	-1	-5	-5	-3	-1	-2	-4	-6	-8	-9
5060	-15	-19	-29	-37	-42	-53	-62	-63	-64	-64
5070	-57	-51	-43	-30	-14	-6	0	17	35	58
5086	79	102	121	130	131	131	131	131	131	131
5090	131	127	113	102	90	79	71	66	63	62
5100	61	62	55	47	40	31	10	0	-6	-13
5110	-22	-35	-42	-45	-49	-50	-50	-50	-49	-49
5120	-42	-39	-37	-36	-36	-34	-34	-34	-37	-43
5130	-47	-47	-47	-47	-47	-47	-47	-47	-47	-43
5140	-13	-4	3	9	15	20	23	27	28	28
5150	28	27	23	19	14	8	2	-3	-7	-11
5160	-19	-28	-34	-32	-21	-8	3	19	36	45
5170	49	55	60	62	62	63	66	70	72	77
5180	81	84	85	87	88	85	78	66	48	34
5190	26	21	21	23	23	22	21	13	-3	-18
5200	-35	-48	-56	-66	-69	-68	-64	-61	-58	-51
5210	-37	-26	-17	-5	0	4	6	-1	-6	-9
5220	-13	-21	-29	-38	-44	-49	-54	-56	-57	-58
5230	-64	-77	-81	-78	-76	-71	-63	-52	-37	-15
5240	6	25	38	45	53	61	66	68	71	74
5250	78	82	90	91	96	96	93	84	73	57
5260	37	26	20	13	12	11	8	0	-6	-14
5270	-25	-37	-48	-60	-74	-86	-101	-103	-100	-96
5280	-67	-72	-47	-26	-10	0	3	1	3	3
5290	3	3	2	1	-1	0	1	2	3	3
5300	3	-1	-5	-8	-13	-21	-21	-21	-21	-21
5310	-61	-70	-75	-83	-90	-97	-103	-108	-104	-102
5320	-101	-93	-75	-60	-50	-50	-51	-50	-51	-51
5330	-51	-48	-41	-36	-23	-17	0	7	13	22
5340	30	32	29	27	25	23	21	10	8	7

TO BE CONTINUED

CONTINUED (S-1202 WEST)

NO. (1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	14	16	21	26	32	45	62	77	92
5360	123	128	140	150	156	160	161	157	152
5370	138	132	125	113	102	85	69	53	45
5380	40	39	40	43	46	48	49	48	51
5390	55	58	59	60	60	60	57	55	54
5400	52	52	51	47	42	41	38	28	17
5410	8	4	0	-6	-12	-16	-16	-15	-18
5420	-26	-32	-43	-60	-79	-103	-120	-131	-134
5430	-132	-130	-120	-116	-109	-101	-98	-98	-98
5440	-98	-82	-73	-70	-61	-54	-47	-39	-32
5450	-24	-26	-25	-23	-21	-20	-21	-22	-23
5460	-30	-33	-35	-39	-41	-44	-46	-50	-51
5470	-47	-45	-44	-44	-45	-46	-48	-51	-53
5480	-51	-47	-41	-31	-23	-21	-21	-18	-17
5490	-19	-21	-21	-21	-20	-16	-9	0	11
5500	28	31	35	35	34	31	29	29	28
5510	18	12	8	3	0	-1	-2	-5	-10
5520	-23	-23	-22	-20	-21	-18	-13	-8	-1
5530	14	21	25	27	32	35	34	30	29
5540	31	32	32	32	32	29	29	28	23
5550	18	13	12	12	12	11	10	10	9
5560	7	1	2	2	0	-7	-12	-15	-17
5570	-30	-30	-35	-36	-36	-36	-30	-22	-9
5580	19	41	60	76	80	80	81	80	77
5590	42	25	17	12	9	9	9	9	10
5600	12	12	14	14	14	14	14	14	12
5610	-12	-8	-9	-9	-9	-11	-15	-15	-14
5620	-11	-11	-11	-8	4	9	12	16	22
5630	39	44	49	52	55	61	60	59	63
5640	73	81	89	100	112	117	116	115	113
5650	105	94	79	58	43	30	19	7	-6
5660	-24	-31	-40	-45	-48	-49	-52	-53	-56
5670	-65	-72	-80	-88	-101	-104	-103	-111	-114
5680	-124	-131	-136	-138	-142	-143	-139	-133	-123
5690	-115	-105	-92	-76	-65	-57	-47	-33	-16
5700	-13	-11	-11	-13	-12	-9	-6	-4	-3
5710	4	6	6	0	-3	-4	-4	0	7
5720	21	31	42	53	59	64	69	74	79
5730	94	98	100	100	98	96	92	87	85
5740	82	79	76	72	68	64	59	48	36
5750	11	7	4	2	0	-3	-5	-3	0
5760	6	10	13	16	20	22	23	25	23
5770	21	19	13	8	7	5	1	-1	-2
5780	2	3	2	1	1	1	1	1	3
5790	10	10	10	9	9	9	9	1	-13
5800	10	10	10	9	9	9	9	1	-13
5810	-20	-21	-28	-34	-34	-34	-33	-36	-44
5820	-47	-48	-48	-48	-49	-49	-48	-48	-47
5830	-39	-38	-35	-26	-20	-18	-12	-6	-2
5840	2	3	6	8	13	16	20	20	22
5850	30	30	30	30	30	33	34	36	35
5860	29	25	24	23	20	16	18	16	13
5870	13	13	20	20	24	37	45	47	47
5880	46	40	35	27	25	19	19	16	15

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 WEST)

CONTINUED (S-1202 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-7	-10	-11	-11	-9	1	11	20	30	36
6440	41	46	53	53	53	53	48	44	43	43
6450	42	41	40	39	38	35	30	28	28	27
6460	18	9	0	-4	-10	-16	-21	-27	-29	-28
6470	-28	-35	-37	-31	-30	-15	-6	-5	0	3
6480	22	30	36	35	35	27	22	18	9	8
6490	-6	-10	-21	-29	-36	-37	-36	-36	-38	-37
6500	-32	-29	-27	-27	-27	-30	-31	-30	-30	-30
6510	-31	-28	-29	-28	-31	-40	-49	-57	-62	-64
6520	-65	-69	-74	-75	-75	-75	-73	-73	-73	-73
6530	-73	-73	-72	-73	-71	-69	-68	-66	-65	-62
6540	-56	-49	-43	-44	-38	-30	-23	-12	-6	1
6550	9	13	17	18	18	18	18	18	18	18
6560	18	18	18	18	16	9	7	8	9	10
6570	13	19	26	33	42	52	55	55	54	54
6580	50	43	38	32	27	21	19	14	7	3
6590	3	4	3	1	-2	-5	-7	-9	-9	-9
6600	-10	-11	-12	-14	-15	-14	-11	-6	-4	-4
6610	-4	-4	-3	0	5	10	12	13	14	14
6620	14	14	14	14	10	5	0	-5	-9	-11
6630	-10	-10	-7	-2	0	0	0	1	8	17
6640	24	27	37	47	51	51	50	55	63	64
6650	64	63	61	59	56	51	49	48	48	46
6660	44	42	41	36	33	32	29	27	26	24
6670	23	21	19	16	14	10	6	3	1	-2
6680	-10	-9	-11	-17	-21	-24	-25	-25	-25	-21
6690	-16	-13	-10	0	4	7	11	19	23	22
6700	20	11	6	1	0	0	0	0	2	2
6710	2	2	2	0	0	-1	-1	-2	-2	-3
6720	-5	-5	-8	-9	-9	-12	-13	-17	-21	-21
6730	-23	-23	-22	-17	-16	-16	-17	-18	-19	-19
6740	-21	-22	-22	-24	-25	-24	-22	-18	-23	-32
6750	-36	-36	-36	-33	-33	-30	-27	-16	-12	-12
6760	-8	-6	-5	-3	-1	-1	1	3	8	10
6770	10	8	6	6	6	6	4	3	0	-2
6780	-4	-4	-1	1	2	2	2	2	2	2
6790	2	-1	-3	-3	-2	-2	10	17	17	20
6800	22	22	22	19	19	15	10	9	9	6
6810	5	5	0	-6	-8	-16	-23	-29	-35	-44
6820	-44	-44	-41	-36	-31	-26	-23	-16	-13	-11
6830	-11	-8	-7	-6	-3	0	0	2	2	1
6840	8	15	18	19	18	17	17	17	13	10
6850	9	8	1	-5	-10	-13	-15	-14	-12	-10
6860	-6	-2	0	0	5	12	13	11	11	11
6870	14	15	14	11	9	6	4	4	4	5
6880	5	5	5	5	5	5	5	5	6	6
6890	3	0	-2	-3	-2	-1	-1	-3	-4	-5
6900	-8	-13	-17	-19	-20	-20	-19	-17	-15	-14
6910	-14	-12	-4	6	13	13	12	12	14	16
6920	16	16	16	14	14	16	19	24	28	35
6930	39	43	49	54	65	73	77	77	79	79
6940	81	80	76	73	70	69	66	62	59	57
6950	51	46	42	43	42	38	31	30	30	28
6960	23	24	23	23	20	18	17	17	17	17

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1202 WEST)										CONTINUED(S-1202 WEST)												
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
7510	19	19	19	21	25	28	30	30	31	33	8050	-2	-2	-1	-1	-2	-5	-10	-11	-12	-12	
7520	36	38	38	38	38	38	38	38	38	37	8060	-12	-11	-10	-8	-7	-4	-3	-3	-3	-4	-4
7530	32	30	28	26	24	22	21	21	20	19	8070	-4	-2	-1	-1	-1	0	1	1	2	2	1
7540	16	6	4	2	1	0	-4	-9	-11	-13	8080	2	1	1	1	1	1	1	0	-2	-5	-5
7550	-14	-14	-20	-30	-38	-44	-49	-51	-54	-60	8090	-5	-5	-5	-5	-6	-8	-8	-9	-9	-8	-8
7560	-64	-70	-77	-76	-77	-78	-77	-73	-68	-64	8100	-8	-9	-9	-9	-10	-9	-9	-9	-9	-8	-8
7570	-61	-55	-48	-41	-37	-33	-32	-30	-23	-19	8110	-1	2	0	-1	-1	-1	-3	-6	-8	-9	-9
7580	-17	-16	-16	-16	-16	-16	-16	-16	-24	-30	8120	-11	-13	-15	-17	-18	-18	-23	-28	-29	-30	-30
7590	-31	-32	-33	-33	-33	-34	-34	-33	-34	-34	8130	-30	-30	-32	-33	-33	-33	-32	-28	-22	-18	-18
7600	-36	-43	-43	-43	-43	-42	-34	-28	-28	-28	8140	-12	-8	-5	-4	2	8	8	11	23	22	22
7610	-25	-19	-18	-19	-19	-19	-19	-18	-19	-17	8150	22	23	25	28	28	28	32	31	27	29	29
7620	-16	-11	-7	-7	-7	-7	-7	-7	-7	-7	8160	28	26	26	26	25	18	19	19	21	21	21
7630	-10	-10	-10	-16	-16	-17	-17	-16	-15	-14	8170	26	4	2	2	4	4	1	1	3	4	4
7640	-10	-6	0	0	4	7	9	15	18	21	8180	7	5	8	13	14	13	15	17	18	18	18
7650	25	28	28	30	31	31	38	44	46	45	8190	18	18	18	17	18	21	22	22	22	19	19
7660	49	49	49	50	50	50	50	50	47	41	8200	16	14	9	8	8	2	0	-4	-7	-6	-6
7670	37	35	34	31	30	30	29	28	28	24	8210	-6	-6	-6	-6	-9	-8	-5	-2	-1	-1	-1
7680	28	29	24	21	21	20	21	18	16	14	8220	-1	-1	-1	-1	-2	-8	-14	-17	-20	-24	-24
7690	12	11	10	8	6	6	7	5	4	2	8230	-30	-33	-33	-33	-30	-27	-26	-26	-26	-26	-26
7700	1	0	1	3	6	6	6	7	11	15	8240	-26	-29	-27	-23	-19	-17	-15	-13	-7	-2	-2
7710	17	19	19	19	19	20	20	20	20	17	8250	-1	-1	-2	0	0	-1	-4	-6	-7	-8	-8
7720	14	10	9	8	8	8	6	3	1	-1	8260	-9	-11	-11	-11	-11	-11	-11	-9	-6	-2	-2
7730	-3	-5	-7	-9	-12	-15	-17	-18	-19	-19	8270	0	0	0	0	1	7	16	20	22	20	23
7740	-19	-19	-11	-4	-1	2	4	4	4	4	8280	26	25	25	21	15	15	15	14	11	6	6
7750	4	3	1	0	0	0	0	-5	-9	-9	8290	4	4	4	7	6	5	7	14	15	11	9
7760	-9	-10	-13	-17	-19	-19	-21	-25	-28	-29	8300	9	11	11	11	11	11	13	14	14	12	12
7770	-31	-33	-33	-34	-35	-36	-37	-38	-39	-39	8310	8	6	3	0	-3	-9	-12	-13	-17	-25	-25
7780	-34	-24	-15	-8	-5	-3	0	0	0	0	8320	-28	-31	-37	-40	-41	-42	-43	-47	-50	-44	-44
7790	1	2	3	4	8	16	20	20	21	27	8330	-49	-49	-50	-49	-45	-39	-34	-32	-33	-33	-33
7800	34	35	37	39	41	41	41	41	41	42	8340	-32	-31	-30	-28	-25	-24	-23	-22	-21	-22	-22
7810	42	42	37	31	27	21	11	2	-1	-8	8350	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22	-22
7820	-18	-24	-28	-29	-28	-25	-22	-17	-11	-8	8360	-22	-22	-22	-22	-22	-22	-22	-22	-21	-21	-21
7830	0	5	12	17	19	19	19	20	20	21	8370	-21	-21	-21	-21	-21	-21	-21	-21	-21	-20	-20
7840	20	20	20	20	19	17	14	13	11	8	8380	-20	-18	-16	-12	-5	1	9	14	18	17	17
7850	5	0	0	0	-1	-6	-10	-11	-12	-13	8390	18	20	23	23	21	20	20	21	22	21	22
7860	-15	-15	-15	-15	-15	-15	-14	-14	-14	-13	8400	20	21	21	21	22	22	22	21	20	17	17
7870	-19	-20	-19	-18	-18	-18	-18	-18	-18	-18	8410	14	13	13	12	12	11	10	7	4	2	2
7880	-19	-26	-28	-28	-28	-30	-30	-28	-24	-21	8420	0	-1	-5	-7	-9	-9	-9	-9	-9	-9	-9
7890	-16	-13	-11	-10	-5	-1	1	1	1	1	8430	-12	-13	-16	-22	-26	-37	-38	-40	-41	-41	-41
7900	1	2	2	8	8	8	11	10	12	13	8440	-41	-41	-41	-41	-41	-41	-39	-33	-26	-25	-25
7910	12	11	11	11	14	16	16	15	15	17	8450	-25	-25	-25	-25	-16	-16	-16	-16	-16	-13	-13
7920	18	18	18	16	16	14	12	10	7	5	8460	-1	-1	-1	-1	-1	2	12	14	18	21	20
7930	4	5	5	5	13	15	14	14	14	14	8470	19	19	19	21	22	22	22	22	22	22	22
7940	14	18	17	12	9	5	0	-1	-4	-5	8480	10	8	8	8	11	14	15	15	17	16	16
7950	-5	-5	-5	-5	-5	-2	-2	-3	-1	-1	8490	16	15	12	10	9	8	7	6	3	3	3
7960	-1	-1	-1	-1	4	4	8	10	14	20	8500	-1	-1	-1	-1	-2	-8	-9	-12	-15	-17	-17
7970	33	38	43	47	52	53	53	53	53	53	8510	-19	-19	-19	-19	-19	-20	-18	-18	-21	-29	-29
7980	50	46	45	45	44	43	41	40	40	40	8520	-35	-38	-40	-42	-44	-40	-41	-42	-41	-41	-41
7990	39	36	33	31	30	29	29	28	26	25	8530	-42	-39	-36	-32	-31	-32	-32	-34	-38	-39	-39
8000	25	26	25	22	17	15	15	11	7	3	8540	-40	-41	-41	-40	-41	-39	-35	-32	-30	-28	-28
8010	0	-5	-9	-13	-15	-16	-16	-16	-17	-18	8550	-25	-23	-23	-23	-20	-19	-17	-15	-14	-13	-13
8020	-19	-18	-18	-20	-23	-24	-24	-24	-23	-22	8560	-13	-10	-7	-6	-6	-7	-8	-10	-15	-20	-20
8030	-22	-21	-22	-22	-20	-19	-19	-19	-19	-19	8570	-26	-27	-27	-27	-27	-27	-29	-30	-30	-30	-30
8040	-19	-18	-18	-15	-13	-7	1	5	3	0	8580	-59	-59	-52	-34	-39	-42	-42	-39	-39	-39	-39

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1202 WEST)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	-37	-35	-35	-33	-33	-32	-30	-26	-25	-26
8600	-26	-26	-25	-25	-27	-26	-29	-30	-31	-32
8610	-34	-38	-41	-45	-49	-50	-49	-46	-45	-46
8620	-45	-44	-44	-44	-41	-36	-31	-28	-26	-24
8630	-23	-21	-15	-8	-3	2	5	8	11	13
8640	14	14	16	18	18	18	20	23	23	23
8650	24	25	23	20	19	18	18	18	18	16
8660	13	10	8	7	5	5	6	6	5	6
8670	9	7	7	4	4	7	10	10	12	11
8680	9	8	4	2	2	2	1	0	-1	-1
8690	-1	-1	-1	0	2	2	2	2	2	2
8700	2	3	2	1	-1	-4	-6	-6	-11	-17
8710	-20	-22	-26	-29	-32	-33	-36	-36	-36	-36
8720	-38	-42	-43	-43	-43	-42	-41	-41	-39	-39
8730	-39	-39	-39	-38	-35	-35	-35	-35	-34	-32
8740	-32	-32	-31	-29	-26	-25	-24	-25	-26	-29
8750	-31	-31	-32	-32	-31	-28	-26	-24	-20	-22
8760	-25	-22	-20	-20	-20	-20	-20	-22	-17	-15
8770	-17	-16	-20	-27	-29	-28	-29	-28	-31	-32
8780	-32	-33	-34	-35	-35	-32	-32	-32	-32	-32
8790	-33	-36	-37	-38	-39	-41	-39	-37	-37	-38

END

RECORD = S-1202 COMPONENT = DOWN STATION = HACHINOME-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 8800
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC.
 CONNECTION POINT IN DATA NUMBER= 4342, 8800,

CONTINUED(S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	-33	-33	-33	-33	-33	-33	-33	-33	-33	-32
10	-32	-31	-30	-28	-21	-13	-6	1	10	19
20	28	37	43	50	57	62	65	69	66	59
30	52	44	37	30	27	24	21	18	14	8
40	1	-2	-5	-7	-5	-1	2	6	8	8
50	9	6	-8	-28	-54	-69	-75	-74	-71	-68
60	-44	-52	-37	-34	-34	-37	-41	-48	-47	-47
70	-41	-24	-7	8	9	10	12	12	13	15
80	18	17	15	15	17	19	22	25	24	20
90	16	11	7	7	13	16	17	17	17	13
100	10	8	5	2	0	1	9	16	17	14
110	6	3	-1	-6	-11	-17	-22	-31	-36	-38
120	-33	-36	-20	-12	-7	-6	-5	-5	-11	-18
130	-24	-26	-19	-3	11	12	13	9	5	-2
140	-11	-19	-19	-13	-7	-4	-9	-14	-19	-19
150	-12	-8	1	4	0	-9	-17	-21	-17	-11
160	-12	-16	-16	-13	-6	-1	5	10	13	15
170	12	7	3	0	-4	-8	-14	-17	-11	-5
180	-1	-4	-10	-12	-5	0	4	4	7	13
190	11	12	15	17	14	10	0	-7	-13	-15
200	-4	2	5	4	2	-1	-6	-4	-3	-5
210	-16	-10	0	6	5	2	-4	-3	-3	-5
220	-14	-25	-32	-38	-33	-21	-8	5	13	17
230	14	12	11	9	7	10	10	8	3	0
240	-4	-8	-7	-6	-1	5	16	29	38	39
250	39	39	38	35	29	21	14	5	-4	-11
260	-12	-9	-8	-5	-1	3	7	6	3	1
270	1	5	8	10	11	12	12	10	7	1
280	-2	-2	0	1	0	-4	-13	-21	-25	-24
290	-22	-23	-23	-23	-23	-24	-21	-10	8	72
300	30	35	39	40	39	37	33	26	18	11
310	5	2	0	-6	-13	-17	-18	-17	-14	-9
320	-2	3	9	14	19	19	13	3	-4	-11
330	-17	-21	-23	-16	-1	10	19	20	24	27
340	24	22	17	14	13	13	11	5	3	-13
350	-26	-31	-26	-13	-7	-1	4	9	7	6
360	6	7	14	24	31	34	32	27	23	16
370	11	8	7	1	-2	-6	-14	-21	-26	-27
380	-21	-8	0	4	6	6	7	7	3	-6
390	-22	-32	-33	-30	-22	-15	-6	-8	-7	-2
400	-7	15	15	14	12	10	8	4	-5	-15
410	-14	-6	6	15	23	24	18	7	-2	-10
420	-4	3	8	15	20	22	21	23	24	22
430	20	14	4	0	0	7	23	26	25	20
440	19	22	22	21	22	21	6	0	-11	-24
450	-37	-40	-35	-30	-27	-26	-28	-33	-31	-31
460	-27	-22	-19	-15	-15	-16	-15	-16	-19	-16
470	0	25	34	35	29	23	18	16	13	8
480	9	9	8	8	8	0	-5	-4	0	7

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-10	-11	-12	-7	-2	-1	1	6	6	6
1040	4	4	9	9	15	22	22	19	16	13
1050	12	14	15	15	12	12	17	21	22	9
1060	-12	-20	-19	-10	0	10	17	18	18	20
1070	25	25	8	-3	-6	-7	-11	-20	-26	-26
1080	-29	-32	-39	-36	-39	-36	-22	-11	-4	-2
1090	-6	-10	-14	-19	-25	-30	-29	-25	-23	-20
1100	-19	-22	-29	-32	-26	-19	-12	-4	-2	-2
1110	-7	-14	-19	-22	-12	7	18	21	21	17
1120	9	4	4	5	13	16	25	35	42	42
1130	44	43	42	40	37	35	30	19	8	-7
1140	-19	-18	-18	-16	-14	-13	-10	-5	-1	6
1150	0	0	0	0	8	8	4	1	1	1
1160	12	14	15	16	13	11	14	19	22	22
1170	19	16	11	5	0	-6	-17	-31	-45	-52
1180	-54	-53	-48	-39	-27	-11	6	23	35	42
1190	48	50	49	49	39	15	-12	-34	-43	-44
1200	-46	-48	-47	-45	-42	-39	-37	-32	-25	-15
1210	-7	-4	-5	-10	-11	-9	-8	-4	-2	0
1220	-1	-5	-7	-2	13	26	33	33	34	32
1230	25	17	13	10	12	15	19	14	14	0
1240	-14	-20	-17	-5	10	21	21	18	6	-3
1250	-3	-4	-7	-7	-10	-14	-17	-22	-19	-12
1260	-4	-5	-13	-16	-14	-2	1	3	3	0
1270	-4	-9	-10	-9	-2	18	36	44	45	47
1280	47	47	47	47	47	52	59	67	66	65
1290	62	57	52	41	29	8	7	7	5	2
1300	0	0	-3	-9	-16	-21	-21	-25	-27	-32
1310	-44	-47	-52	-55	-55	-50	-44	-38	-34	-37
1320	-49	-63	-80	-88	-80	-62	-51	-45	-45	-35
1330	-25	-15	6	19	22	27	27	26	27	31
1340	36	44	45	45	48	46	44	33	31	30
1350	28	31	36	43	47	48	50	50	46	34
1360	22	10	6	0	0	6	10	11	11	6
1370	6	11	16	25	35	42	39	20	6	-3
1380	-16	-19	-35	-48	-51	-49	-42	-35	-26	-26
1390	-15	-9	-2	3	4	4	-1	-8	-9	6
1400	-2	0	0	-2	-12	-19	-31	-39	-48	-54
1410	-56	-58	-58	-41	-14	8	24	35	38	38
1420	37	33	29	27	27	24	15	2	-5	-5
1430	-5	-7	-9	-8	0	10	17	22	23	23
1440	23	23	27	33	35	35	35	35	33	27
1450	17	6	2	5	13	19	25	30	30	30
1460	19	3	3	-10	-19	-24	-34	-43	-49	-51
1470	-53	-48	-34	-22	-14	-8	-4	-7	-11	-11
1480	-14	-16	-17	-16	-11	-5	0	6	11	12
1490	13	13	11	8	12	21	31	36	39	30
1500	17	8	3	0	1	1	2	7	10	10
1510	15	28	38	45	50	52	51	50	46	8
1520	38	29	18	11	5	0	0	1	5	8
1530	10	0	-11	-22	-30	-36	-43	-44	-49	-49
1540	-69	-50	-48	-46	-46	-46	-53	-54	-55	-55
1550	-53	-48	-39	-25	-21	-21	-21	-21	-21	-14
1560	-3	8	16	20	26	32	35	35	28	21

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
2110	-54	-63	-63	-63	-61	-56	-45	-31	-19	-11	2650	4	-14	-25	-30	-33	-37	-43	-43	-34	-18	
2120	-9	-13	-22	-22	-29	-38	-52	-58	-59	-58	2660	-1	13	39	72	83	86	79	44	-3	-39	
2130	-51	-62	-61	-66	-51	-56	-35	-35	3	35	2670	-49	-45	-28	0	26	68	108	108	97	60	
2140	59	81	86	91	91	80	62	41	6	-31	2680	28	-39	-86	-120	-118	-99	-60	-2	47	69	
2150	-55	-60	-76	-100	-97	-88	-63	-47	-26	-14	2690	68	61	32	11	-9	-9	-8	3	40	66	
2160	0	16	17	33	38	33	38	39	39	44	2700	72	69	61	54	44	28	12	2	4	4	
2170	-1	-8	-11	-16	-16	-11	-6	8	20	26	2710	3	0	-2	0	14	34	34	17	-20	-72	
2180	18	-5	-20	-30	-37	-42	-46	-47	-47	-47	2720	-100	-143	-152	-145	-109	-61	2	68	109	125	
2190	-48	-48	-48	-57	-56	-56	-56	-56	-56	-56	2730	159	119	106	64	30	6	-14	-54	-52	-51	
2200	-58	-62	-63	-64	-64	-64	-58	-61	-67	-71	2740	-40	-4	15	22	32	56	57	58	40	16	
2210	-73	-74	-72	-68	-67	-62	-39	-19	17	49	2750	-13	-17	-18	-8	77	46	62	64	54	64	
2220	72	87	98	103	106	103	98	79	65	50	2760	53	59	78	97	105	106	102	92	77	34	
2230	40	29	27	29	41	72	99	105	93	79	2770	1	-3	-22	-53	-79	-105	-125	-126	-122	-115	
2240	89	86	66	66	62	57	49	35	3	-39	2780	-109	-100	-89	-47	1	27	58	68	69	56	
2250	-1	-120	-157	-171	-190	-220	-224	-227	-196	-134	2790	20	-17	-32	-34	-34	-43	-61	-70	-78	-80	
2260	-79	-30	2	16	19	19	9	-7	-25	-39	2800	-76	-58	-20	22	49	61	74	86	94	120	
2270	-57	-76	-90	-94	-94	-92	-77	-60	-35	-16	2810	132	126	99	57	12	-28	-42	-44	-48	-56	
2280	-10	-9	-8	-9	-3	25	57	73	98	119	2820	-63	-18	-151	-155	-145	-110	-66	-16	36	36	
2290	127	133	136	129	110	76	51	42	32	27	2830	81	118	146	166	174	176	171	155	121	74	
2300	21	11	1	-4	-13	-23	-34	-47	-55	-60	2840	-78	-13	-48	-68	-78	-81	-80	-71	-54	-33	
2310	-58	-45	-35	-17	9	74	57	76	87	83	2850	-18	-5	10	18	34	57	71	79	86	89	
2320	70	48	14	-16	-53	-95	-122	-132	-132	-122	2860	89	83	57	12	-20	-75	-121	-157	-180	-188	
2330	-99	-65	-26	12	49	78	89	82	55	17	2870	-189	-174	-153	-82	-39	18	54	73	80	82	
2340	-5	-14	-22	-26	-27	-27	-15	4	15	18	2880	75	67	57	25	-25	-85	-82	-86	-85	-91	
2350	16	4	-11	-18	-23	-25	-27	-11	32	71	2890	-96	-86	-86	-96	-77	-30	22	69	113	139	
2360	107	137	143	142	136	130	123	112	106	102	2900	207	240	256	262	246	196	136	86	56	51	
2370	97	86	73	60	45	26	2	-2	0	7	2910	37	27	18	5	-5	-7	-6	-1	8	24	
2380	17	25	35	44	55	59	60	59	52	40	2920	40	43	41	34	30	35	40	41	21	-31	
2390	43	43	43	34	2	-77	-40	-8	30	78	2930	-95	-133	-137	-140	-148	-157	-170	-181	-187	-193	
2400	-66	-65	-67	-78	-86	-77	-40	-8	30	78	2940	195	-198	-199	-199	-194	-171	-128	-85	-43	14	
2410	123	123	120	102	69	50	18	-19	-50	-100	2950	60	99	116	126	129	131	131	129	124	115	
2420	-83	-91	-90	-85	-69	-69	-69	-69	-82	-100	2960	109	107	115	139	170	199	212	218	270	215	
2430	-111	-112	-108	-96	-62	-22	30	117	145	178	2970	193	174	145	93	60	49	43	27	8	-13	
2440	185	186	156	94	46	-17	-69	-110	-136	-140	2980	-20	-23	-25	-32	-36	-39	-39	-42	-41	-37	
2450	-132	-82	-27	36	63	98	112	133	133	129	2990	-34	-36	-41	-58	-77	-87	-100	-131	-167	-184	
2460	133	110	105	107	113	118	118	114	81	31	3000	-199	-208	-213	-213	-214	-213	-208	-189	-159	-129	
2470	-19	-45	-94	-116	-150	-167	-167	-166	-169	-122	3010	-101	-59	-20	-3	6	13	13	13	13	16	16
2480	-120	-108	-107	-108	-108	-98	-98	-90	-87	-87	3020	17	24	40	63	80	89	89	84	68	63	
2490	-87	-103	-134	-153	-167	-173	-169	-136	-80	-13	3030	59	51	48	42	39	31	17	12	12	13	
2500	53	77	105	131	140	137	126	120	116	123	3040	18	29	43	51	55	57	57	45	23	14	
2510	142	171	183	188	176	140	88	38	-22	61	3050	10	22	27	27	5	-1	-4	-26	-44	-74	
2520	-77	-100	-109	-100	-73	-36	18	58	82	83	3060	-104	-109	-109	-90	-62	-49	-37	0	44	65	
2530	78	68	64	70	38	32	32	35	42	47	3070	85	100	119	125	139	167	183	182	170	125	
2540	55	68	74	75	76	75	63	32	-2	-35	3080	84	40	14	-26	-64	-92	-120	-132	-134	-131	
2550	-55	-57	-47	-32	-18	-13	-12	-7	1	13	3090	-127	-117	-102	-86	-65	-48	-37	-27	-15	-5	
2560	23	26	27	22	18	10	0	-11	-22	-21	3100	-3	-5	-5	-4	-3	-1	8	20	33	30	
2570	-3	28	61	94	121	130	126	110	81	58	3110	66	87	95	92	87	75	53	40	23	1	
2580	49	48	48	48	42	15	-41	-122	-170	-200	3120	-25	-40	-43	-43	-37	-15	-22	54	71	77	
2590	-220	-233	-226	-197	-138	-78	-40	-25	-21	-19	3130	78	70	38	-26	-75	-102	-121	-137	-140	-132	
2600	-18	-16	-12	-6	-1	-1	-1	-1	-6	-11	3140	-108	-84	-70	-65	-65	-65	-63	-57	-57	-59	70
2610	-9	-3	4	9	10	26	69	106	170	122	3150	-109	-58	-45	-10	28	52	66	66	72	70	
2620	106	79	46	25	2	-31	-40	-51	-56	-42	3160	67	55	32	1	-27	-40	-49	-55	-56	-53	
2630	-15	9	25	27	26	25	19	10	2	2	3170	-47	-44	-48	-52	-56	-59	-61	-64	-64	-56	
2640	-2	-7	-10	-9	-5	3	12	16	19	15	3180	-47	-39	-36	-39	-44	-53	-60	-63	-63	-63	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	-61	-59	-60	-72	-94	-107	-108	-92	-60	-32
3200	-10	11	26	35	56	79	88	106	129	153
3210	170	184	190	177	137	91	60	42	21	-16
3220	-55	-88	-110	-119	-116	-98	-82	-81	-80	-138
3230	27	21	3	-14	-39	-48	-46	-35	2	18
3240	99	125	136	128	114	91	78	67	59	54
3250	53	53	54	59	68	79	96	97	85	85
3260	74	65	58	46	34	7	-34	-83	-107	-107
3270	-119	-132	-141	-145	-146	-144	-127	-85	-62	-62
3280	-25	8	12	47	60	61	45	18	8	1
3290	1	2	4	5	8	18	32	40	42	39
3300	30	29	27	27	35	36	42	50	59	49
3310	38	29	30	39	39	30	3	-16	-24	-27
3320	-35	-37	-37	-30	-17	-7	4	12	30	30
3330	42	52	58	59	41	39	18	-24	-33	-69
3340	-89	-104	-114	-121	-125	-113	-85	-47	-36	-44
3350	-32	-24	-22	-31	-40	-49	-53	-56	-51	-57
3360	-62	-71	-78	-84	-97	-103	-108	-117	-133	-138
3370	-147	-174	-192	-210	-217	-213	-202	-179	-164	-144
3380	-158	-152	-148	-137	-116	-98	-78	-61	-5	9
3390	-15	23	32	35	32	18	-5	-22	-28	-29
3400	-29	-27	-8	20	63	103	132	152	167	176
3410	179	180	180	178	169	160	157	154	149	142
3420	132	132	132	124	109	90	68	38	0	-26
3430	-36	-34	-27	-22	-18	-15	-18	-23	-27	-29
3440	-39	-39	-16	10	35	52	68	79	80	74
3450	67	62	59	57	55	56	56	45	24	24
3460	5	-13	-31	-47	-55	-55	-51	-47	-44	-41
3470	-39	-40	-43	-44	-43	-40	-40	-42	-49	-56
3480	-58	-68	-74	-77	-77	-74	-73	-75	-75	-76
3490	-75	-59	-21	20	46	54	57	57	48	30
3500	23	12	-1	-19	-41	-55	-63	-66	-64	-64
3510	-64	-63	-65	-71	-71	-69	-64	-57	-54	-54
3520	-54	-54	-54	-54	-54	-54	-54	-53	-41	-5
3530	18	29	44	51	51	53	53	54	60	72
3540	79	78	74	68	59	55	50	48	46	38
3550	28	12	-20	-47	-76	-97	-112	-132	-143	-152
3560	-156	-157	-151	-139	-132	-126	-121	-112	-89	-54
3570	-42	-30	-19	-10	-6	-6	-5	-1	3	12
3580	24	33	37	37	34	28	28	28	38	44
3590	45	45	48	47	35	25	2	-4	-8	8
3600	23	49	65	72	72	66	59	50	39	31
3610	28	40	51	64	68	69	60	53	49	45
3620	42	42	41	36	22	16	3	-2	-3	2
3630	2	3	3	3	2	1	-1	-3	-6	-19
3640	-42	-60	-63	-63	-36	-4	-21	-6	4	7
3650	14	14	14	10	5	3	4	8	14	20
3660	27	38	42	43	39	16	-15	-43	-65	-69
3670	-77	-81	-83	-87	-89	-94	-106	-114	-121	-127
3680	-128	-129	-129	-129	-129	-133	-134	-132	-130	-129
3690	-129	-129	-129	-129	-148	-149	-148	-141	-135	-121
3700	-85	-31	14	43	59	65	66	66	66	66
3710	67	77	99	128	153	161	169	177	180	180
3720	178	169	160	154	153	156	158	159	145	115

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	137	135	134	134	134	131	121	107	86	70
4280	61	48	28	8	-11	-30	-54	-72	-98	-111
4290	-112	-112	-106	-106	-102	-99	-98	-95	-93	-93
4300	-91	-92	-97	-104	-111	-111	-110	-104	-100	-100
4310	-100	-101	-100	-96	-91	-80	-69	-61	-51	-51
4320	-39	-39	-26	-20	-13	-6	0	8	13	16
4330	21	22	30	39	52	60	63	64	61	58
4340	55	52	55	63	61	59	59	63	74	86
4350	97	104	110	116	120	118	115	110	101	94
4360	91	86	74	63	49	34	24	17	13	11
4370	9	7	10	16	19	19	19	17	16	2
4380	-12	-27	-43	-52	-55	-59	-60	-60	-58	-46
4390	-25	-15	-10	-7	-10	-10	-16	-23	-29	-29
4400	-28	-24	-22	-19	-19	-19	-17	-13	-11	5
4410	22	30	34	35	38	38	38	36	33	29
4420	28	26	23	20	19	17	16	8	3	0
4430	1	-3	-6	-7	-8	-13	-14	-108	-112	-115
4440	-21	-29	-38	-55	-59	-65	-95	-103	-114	-112
4450	-112	-107	-105	-104	-98	-92	-90	-85	-85	-85
4460	-82	-68	-41	-25	-13	0	16	20	35	55
4470	60	62	67	67	67	64	63	63	61	61
4480	63	71	80	87	92	93	94	97	96	98
4490	101	104	114	124	125	125	126	119	109	104
4500	100	92	78	68	38	27	21	16	16	13
4510	5	0	-1	-1	2	-85	-84	-78	-73	-73
4520	-60	-67	-78	-82	-84	-85	-27	-27	-28	-32
4530	-70	-64	-34	-27	-33	-16	-8	6	34	52
4540	-33	-34	-34	-34	-34	76	66	58	51	42
4550	62	75	84	87	84	84	3	0	-1	-1
4560	31	26	20	16	11	6	3	0	-1	-1
4570	-2	-3	-5	-6	-15	-29	-42	-50	-54	-57
4580	-60	-60	-50	-33	-18	-6	9	19	28	40
4590	46	47	48	46	35	23	13	3	-1	0
4600	3	4	5	7	6	10	21	34	46	53
4610	56	61	66	67	67	63	48	28	11	1
4620	-8	-21	-32	-36	-36	-30	-21	-2	21	38
4630	52	64	69	67	63	63	64	62	58	58
4640	54	42	20	6	-4	-17	-19	-33	-39	-41
4650	-41	35	-30	-27	-25	-19	-13	-11	-16	-16
4660	-19	-20	-22	-23	-24	-25	-29	-29	-28	-28
4670	-27	-26	-25	-22	-14	-11	-9	-9	-9	25
4680	38	38	38	34	24	8	-3	-12	-21	-24
4690	-26	-23	-18	-15	-15	-17	-22	-23	-25	-24
4700	-22	-17	-15	-13	-35	-35	-31	-19	-3	10
4710	30	-34	-34	-35	-35	12	12	14	14	19
4720	15	16	17	16	15	12	12	12	14	19
4730	35	47	49	50	49	49	57	64	67	70
4740	74	74	74	73	73	64	58	53	51	50
4750	49	46	42	35	32	30	25	18	15	11
4760	16	22	22	22	24	14	5	-6	-27	-27
4770	36	-40	-42	-47	-50	-50	-50	-42	-40	-42
4780	-40	-36	-31	-30	-28	-23	-20	-17	-13	-10
4790	-8	-6	-1	-1	0	8	8	9	10	10
4800	10	10	10	10	10	7	3	-3	-12	-20

CONTINUED (S-1202 DOWN)

CONTINUED (S-1202 DOWN)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4810	-26	-28	-21	-6	1	10	19	21	21	22
4820	20	18	16	16	18	19	19	21	25	30
4830	35	39	42	50	53	52	50	43	35	30
4840	22	21	11	6	4	0	0	-11	-16	-18
4850	-21	-24	-31	-35	-37	-38	-40	-39	-35	-31
4860	-24	-21	-13	-8	-8	-10	-10	-11	-12	-12
4870	-12	-12	-10	-8	-8	-5	-5	-5	-4	-4
4880	-4	-4	-2	3	9	12	16	16	20	25
4890	40	47	57	67	75	82	85	85	85	92
4900	97	99	98	94	87	79	71	63	55	49
4910	44	39	36	34	32	27	18	8	4	3
4920	3	0	-4	-14	-29	-39	-45	-51	-60	-67
4930	-71	-73	-76	-75	-79	-79	-79	-81	-83	-83
4940	-83	-80	-72	-65	-59	-52	-46	-43	-40	-39
4950	-38	-37	-33	-29	-27	-22	-14	-12	-12	-7
4960	-5	-1	5	15	28	36	37	37	37	37
4970	35	33	29	25	21	19	21	23	26	28
4980	28	28	25	21	15	13	12	10	9	9
4990	9	12	14	22	26	33	41	50	53	60
5000	63	62	62	62	62	63	65	66	69	76
5010	81	80	82	80	81	78	73	66	55	47
5020	46	46	45	42	42	40	15	1	-25	-38
5030	-49	-63	-74	-83	-87	-88	-87	-88	-88	-88
5040	-87	-88	-87	-87	-87	-87	-87	-87	-87	-82
5050	-74	-66	-60	-60	-60	-61	-60	-60	-60	-61
5060	-60	-60	-52	-43	-34	-29	-25	-18	-13	-7
5070	0	6	14	21	28	39	51	66	74	76
5080	76	77	77	76	76	75	74	71	65	60
5090	54	55	56	56	55	57	58	57	58	58
5100	57	52	46	38	28	22	11	3	-4	-11
5110	-14	-15	-15	-15	-10	-4	2	9	15	20
5120	21	21	14	-7	-10	-11	-12	-17	-24	-24
5130	-3	-2	-4	-7	-10	-11	-12	-17	-24	-24
5140	-17	-10	-7	-6	-5	-5	-6	-6	-8	-11
5150	-14	-16	-17	-21	-25	-30	-34	-34	-34	-32
5160	-31	-31	-31	-31	-30	-34	-37	-36	-36	-30
5170	-19	-10	-6	-2	1	2	2	2	1	0
5180	-1	0	4	7	9	9	11	10	11	11
5190	13	13	17	23	26	30	34	38	43	47
5200	52	55	59	61	62	65	66	66	66	69
5210	75	80	88	95	95	94	86	81	75	75
5220	73	71	63	52	42	34	17	4	-14	-14
5230	-22	-29	-42	-57	-62	-71	-81	-86	-84	-84
5240	-74	-74	-68	-57	-53	-53	-52	-49	-48	-47
5250	-46	-44	-44	-42	-39	-28	-6	7	16	21
5260	22	22	22	22	26	29	32	31	39	44
5270	49	49	49	49	49	46	46	46	46	44
5280	4	0	-1	-1	-14	-23	-23	-23	-25	-24
5290	-24	-23	-23	-24	-23	-24	-29	-38	-41	-43
5300	-43	-43	-43	-43	-43	-43	-42	-43	-43	-43
5310	-41	-11	7	17	21	27	31	31	34	35
5320	38	38	35	28	18	16	16	16	11	6
5330	3	3	3	3	3	3	3	3	3	3
5340	6	6	6	6	7	6	7	6	7	11

CONTINUED (S-1202 DOWN)

CONTINUED (S-1202 DOWN)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4810	-26	-28	-21	-6	1	10	19	21	21	22
4820	20	18	16	16	18	19	19	21	25	30
4830	35	39	42	50	53	52	50	43	35	30
4840	22	21	11	6	4	0	0	-11	-16	-18
4850	-21	-24	-31	-35	-37	-38	-40	-39	-35	-31
4860	-24	-21	-13	-8	-8	-10	-10	-11	-12	-12
4870	-12	-12	-10	-8	-8	-5	-5	-5	-4	-4
4880	-4	-4	-2	3	9	12	16	16	20	25
4890	40	47	57	67	75	82	85	85	85	92
4900	97	99	98	94	87	79	71	63	55	49
4910	44	39	36	34	32	27	18	8	4	3
4920	3	0	-4	-14	-29	-39	-45	-51	-60	-67
4930	-71	-73	-76	-75	-79	-79	-79	-81	-83	-83
4940	-83	-80	-72	-65	-59	-52	-46	-43	-40	-39
4950	-38	-37	-33	-29	-27	-22	-14	-12	-12	-7
4960	-5	-1	5	15	28	36	37	37	37	37
4970	35	33	29	25	21	19	21	23	26	28
4980	28	28	25	21	15	13	12	10	9	9
4990	9	12	14	22	26	33	41	50	53	60
5000	63	62	62	62	62	63	65	66	69	76
5010	81	80	82	80	81	78	73	66	55	47
5020	46	46	45	42	42	40	15	1	-25	-38
5030	-49	-63	-74	-83	-87	-88	-87	-88	-88	-88
5040	-87	-88	-87	-87	-87	-87	-87	-87	-87	-82
5050	-74	-66	-60	-60	-60	-61	-60	-60	-60	-61
5060	-60	-60	-52	-43	-34	-29	-25	-18	-13	-7
5070	0	6	14	21	28	39	51	66	74	76
5080	76	77	77	76	76	75	74	71	65	60
5090	54	55	56	56	55	57	58	57	58	58
5100	57	52	46	38	28	22	11	3	-4	-11
5110	-14	-15	-15	-15	-10	-4	2	9	15	20
5120	21	21	14	-7	-10	-11	-12	-17	-24	-24
5130	-3	-2	-4	-7	-10	-11	-12	-17	-24	-24
5140	-17	-10	-7	-6	-5	-5	-6	-6	-8	-11
5150	-14	-16	-17	-21	-25	-30	-34	-34	-34	-32
5160	-31	-31	-31	-31	-30	-34	-37	-36	-36	-30
5170	-19	-10	-6	-2	1					

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	19	24	31	39	40	41	40	41	41	34	5890	-11	-18	-23	-28	-31	-32	-32	-32	-32	-35
5360	25	24	24	23	23	23	23	23	24	24	5900	-34	-35	-38	-41	-41	-41	-41	-41	-41	-41
5370	23	23	7	-24	-40	-44	-44	-44	-44	-41	5910	-41	-41	-41	-41	-39	-31	-21	-17	-14	-41
5380	-43	-43	-47	-52	-52	-44	-33	-22	-25	-7	5920	-12	-10	-10	-10	-10	-6	-3	0	0	0
5390	4	10	11	17	20	20	22	22	25	27	5930	6	9	9	9	9	15	18	19	19	18
5400	26	25	26	28	28	28	25	21	20	15	5940	17	25	29	33	38	39	39	40	40	39
5410	13	10	8	7	10	11	11	11	11	10	5950	39	36	34	33	33	33	34	31	27	27
5420	8	6	6	3	1	1	1	3	6	10	5960	25	23	22	20	18	17	16	8	6	6
5430	14	18	21	23	24	31	31	32	28	23	5970	6	8	9	11	14	14	7	7	7	-13
5440	17	10	6	3	0	-3	-6	-6	-6	-6	5980	-18	-28	-34	-36	-40	-42	-42	-43	-42	-42
5450	-8	-10	-10	-10	-5	-2	-1	1	2	3	5990	-41	-39	-36	-32	-27	-22	-17	-13	-6	2
5460	6	7	7	8	8	8	5	0	-4	-8	6000	6	10	15	18	21	20	19	16	15	13
5470	-7	-4	0	2	3	7	9	9	8	12	6010	11	8	8	7	9	9	9	17	25	25
5480	9	4	0	-4	-8	-9	-9	-9	-10	10	6020	25	27	27	24	21	20	21	21	21	21
5490	-10	-13	-14	-16	-20	-25	-29	-32	-34	-35	6030	21	21	19	18	18	18	18	17	16	16
5500	-33	-27	-16	-10	-8	-5	-2	0	2	5	6040	12	11	10	9	7	4	1	0	1	4
5510	8	10	14	18	19	24	29	30	32	32	6050	5	5	4	3	0	-5	-10	-14	-19	-23
5520	32	34	39	41	46	53	50	50	50	50	6060	-25	-26	-27	-28	-29	-29	-29	-28	-27	-25
5530	50	48	45	41	34	28	14	5	-2	-10	6070	-25	-25	-24	-23	-23	-23	-24	-24	-24	-24
5540	-17	-24	-33	-41	-50	-55	-57	-57	-57	-57	6080	-23	-23	-23	-22	-22	-22	-22	-23	-24	-24
5550	-57	-57	-57	-57	-57	-57	-57	-57	-57	-57	6090	-24	-22	-22	-22	-22	-22	-22	-23	-24	-24
5560	-55	-50	-46	-41	-36	-31	-28	-25	-24	-19	6100	2	8	14	18	23	28	31	34	33	32
5570	-10	3	12	15	15	15	12	7	7	9	6110	30	26	24	24	23	23	23	24	24	24
5580	15	13	17	19	21	21	21	23	29	29	6120	27	28	28	28	26	19	23	19	17	16
5590	29	29	29	29	29	29	29	29	29	28	6130	16	16	16	15	12	6	3	2	2	2
5600	36	34	30	34	41	44	43	43	41	38	6140	0	0	0	0	5	7	8	10	13	13
5610	36	34	34	33	34	33	33	34	34	35	6150	13	13	13	13	13	9	7	7	7	7
5620	36	36	36	36	36	38	39	39	39	39	6160	-19	-21	-21	-21	-21	0	-7	-13	-17	-17
5630	39	39	39	36	24	16	4	-3	-10	-17	6170	-23	-24	-24	-28	-28	-28	-28	-21	-23	-23
5640	-24	-28	-40	-44	-49	-52	-54	-58	-62	-63	6180	-38	-37	-34	-34	-32	-25	-20	-14	-16	-13
5650	-63	-65	-68	-72	-73	-68	-63	-57	-57	-55	6190	-10	-10	-11	-10	-9	-7	-7	-7	-7	-2
5660	-52	-49	-44	-41	-36	-29	-25	-25	-23	-21	6200	7	9	9	13	15	23	28	30	30	33
5670	-21	-20	-20	-20	-19	-19	-19	-19	-19	-19	6210	33	33	33	32	27	21	17	8	3	0
5680	-19	-19	-15	-15	-11	-11	-11	-11	1	6	6220	0	-2	-3	0	3	6	5	5	6	3
5690	9	14	19	19	28	37	42	47	47	47	6230	2	1	1	1	0	-2	-4	-5	-12	-14
5700	51	59	65	68	69	70	70	69	69	69	6240	-14	-14	-13	-13	-13	-13	-10	-8	-7	-8
5710	66	63	60	59	55	49	41	36	34	32	6250	-6	-3	-3	-3	0	0	0	0	-2	-3
5720	27	22	19	17	16	16	10	3	0	-5	6260	-2	0	0	0	0	0	-5	-7	-7	-7
5730	-9	-11	-12	-13	-14	-17	-20	-22	-25	-29	6270	-6	-6	6	6	5	5	4	2	1	-2
5740	-31	-34	-35	-35	-35	-35	-32	-29	-24	-20	6280	6	6	6	6	6	0	-2	-5	-6	-6
5750	-17	-13	-10	-10	-9	-7	-4	-2	0	1	6290	-3	-5	-2	-1	0	3	3	3	5	6
5760	3	8	12	14	18	18	18	18	18	18	6300	-7	-5	-2	1	0	0	0	-2	-5	-6
5770	18	18	18	18	18	18	18	18	18	18	6310	6	6	8	8	7	10	14	20	25	28
5780	16	14	7	-4	-9	-11	-14	-18	-19	-19	6320	28	29	31	33	33	35	36	36	34	34
5790	-19	-19	-19	-19	-19	-21	-27	-29	-29	-29	6330	30	24	18	11	3	-5	-14	-21	-28	-28
5800	-29	-27	-27	-25	-19	-15	-10	-5	-3	-3	6340	-28	-28	-28	-28	-28	-25	-25	-25	-26	-31
5810	-3	-3	-4	-4	-8	-15	-18	-20	-19	-20	6350	-34	-37	-42	-46	-48	-51	-53	-54	-55	-56
5820	-18	-12	-6	-2	11	15	20	23	27	27	6360	-56	-56	-56	-59	-63	-63	-63	-63	-63	-63
5830	28	31	36	40	47	47	48	51	50	50	6370	-41	-30	-22	-15	-9	-2	0	2	4	6
5840	48	47	46	43	36	35	30	27	25	19	6380	6	6	6	6	7	10	13	15	17	21
5850	14	12	6	5	1	0	-3	-3	-2	0	6390	25	27	27	28	29	30	30	30	30	26
5860	0	-1	-2	3	9	8	3	7	9	9	6400	26	26	26	26	26	26	24	24	24	22
5870	7	8	6	9	10	12	13	13	15	13	6410	19	16	15	16	16	15	15	15	13	13
5880	13	12	12	11	12	13	9	1	-1	-5	6420	12	8	5	2	1	1	1	-4	-4	-4

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-5	-7	-7	-7	-13	-13	-13	-13	-13	-13
6440	-12	-9	-7	-6	-6	-2	-2	0	3	3
6450	3	3	4	6	7	7	1	-3	-7	-12
6460	-13	-15	-22	-23	-23	-24	-23	-23	-22	-22
6470	-15	-9	-9	-6	-3	0	2	3	3	3
6480	3	3	1	3	3	3	2	2	0	-3
6490	-6	-6	-2	-2	0	0	1	1	1	0
6500	-2	-5	-6	-7	-8	-9	-9	-11	-13	-14
6510	-12	-6	-6	-6	-3	0	3	3	6	10
6520	11	13	17	18	21	25	26	25	25	25
6530	27	28	28	28	28	28	28	28	26	24
6540	22	21	20	20	15	1	-9	-15	-17	-20
6550	-21	-22	-22	-22	-23	-23	-25	-26	-28	-29
6560	-29	-29	-31	-35	-37	-38	-41	-42	-44	-45
6570	-45	-45	-43	-42	-42	-39	-36	-35	-27	-28
6580	-31	-30	-30	-27	-23	-22	-22	-21	-21	-19
6590	-18	-16	-13	-11	-10	-10	-4	1	3	5
6600	8	9	11	14	16	18	20	24	26	26
6610	24	23	24	24	23	24	24	25	29	31
6620	31	35	37	37	37	37	39	41	41	41
6630	41	39	36	35	30	26	23	19	15	8
6640	4	0	0	0	-1	-2	-3	-3	-3	-3
6650	-2	-2	-3	-3	-3	-3	-4	-6	-6	-8
6660	-8	-11	-16	-12	-12	-12	-12	-12	-12	-12
6670	-11	-11	-10	-9	-8	-8	-8	-8	-7	-7
6680	-4	-3	-3	-4	-4	-4	-2	-1	1	0
6690	1	1	0	-5	-7	-9	-9	-13	-16	-20
6700	-27	-30	-30	-32	-33	-34	-40	-40	-39	-39
6710	-38	-36	-33	-33	-33	-32	-29	-28	-24	-17
6720	-13	-11	-4	-1	1	2	4	7	9	9
6730	12	14	16	22	25	29	32	33	32	33
6740	33	29	29	29	29	32	34	33	33	25
6750	21	20	18	11	10	9	8	8	8	7
6760	8	8	8	8	7	7	8	8	12	9
6770	3	1	0	-3	-2	-5	-5	-5	-2	1
6780	0	0	2	2	2	5	10	14	18	18
6790	18	20	28	29	29	29	29	27	23	19
6800	13	11	8	5	2	0	0	0	0	0
6810	-8	-11	-16	-18	-21	-22	-24	-27	-28	-32
6820	-34	-41	-48	-48	-49	-43	-43	-38	-38	-34
6830	-29	-22	-18	-17	-14	-10	-5	0	2	2
6840	2	2	1	1	0	0	-2	-3	-3	-3
6850	-1	-1	-1	-1	0	2	2	4	7	8
6860	8	11	12	14	15	17	19	20	22	22
6870	22	24	24	24	23	21	19	18	17	16
6880	12	8	6	6	3	2	2	2	2	1
6890	2	2	1	0	1	0	-1	-1	-1	0
6900	2	2	2	2	2	2	2	2	4	7
6910	8	8	10	14	14	15	15	17	20	22
6920	22	22	22	22	24	26	26	26	26	26
6930	25	21	17	14	11	9	8	5	2	2
6940	2	2	2	2	6	12	14	16	17	16
6950	11	9	8	6	4	4	4	4	4	4
6960	4	1	-3	-12	-19	-22	-25	-30	-35	-38

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6970	-38	-38	-40	-40	-40	-42	-44	-45	-45	-47
6980	-47	-47	-47	-43	-35	-33	-32	-30	-21	-22
6990	-21	-21	-21	-21	-21	-21	-18	-17	-12	-7
7000	-4	-2	1	2	7	12	11	11	11	11
7010	8	4	5	6	6	7	8	19	21	25
7020	28	29	32	33	41	41	41	41	41	41
7030	44	44	44	44	44	44	44	42	42	41
7040	40	37	35	31	25	21	11	9	1	0
7050	0	0	0	0	0	0	0	0	0	0
7060	0	-2	-6	-6	-15	-19	-19	-19	-19	-17
7070	-17	-17	-19	-16	-15	-14	-12	-11	-9	-8
7080	-6	-4	0	0	0	0	0	4	5	6
7090	6	9	6	4	5	5	5	4	11	11
7100	10	9	9	9	9	9	11	10	6	3
7110	2	2	0	-1	-1	0	-6	-7	-7	-7
7120	0	0	0	0	0	-4	-6	-7	-7	-7
7130	-7	-7	-8	-9	-10	-10	-10	-11	-12	-13
7140	-14	-18	-20	-22	-23	-24	-24	-24	-24	-25
7150	-25	-24	-24	-24	-25	-25	-25	-25	-24	-22
7160	-20	-16	-14	-13	-14	-12	-10	-10	-6	-4
7170	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
7180	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
7190	4	6	8	9	11	14	15	16	17	18
7200	22	26	28	29	29	30	31	31	28	25
7210	23	23	22	21	18	14	12	10	7	4
7220	1	0	0	-2	-3	-4	-4	-6	-7	-9
7230	-11	-11	-11	-11	-10	-10	-10	-10	-10	-11
7240	-14	-14	-17	-20	-21	-24	-24	-23	-22	-22
7250	-22	-21	-19	-13	-13	-13	-13	-11	-9	-6
7260	-6	-6	-6	-6	-5	-4	-4	-6	-6	0
7270	2	6	11	17	20	20	25	27	28	30
7280	30	30	30	29	28	24	24	24	23	18
7290	16	16	16	16	15	15	15	14	14	14
7300	12	12	12	12	11	9	9	9	8	8
7310	7	0	0	2	2	0	2	0	-2	-3
7320	-5	-9	-9	-9	-8	-9	-8	-8	-12	-12
7330	-12	-12	-15	-19	-20	-20	-20	-20	-20	-17
7340	-17	-17	-17	-15	-13	-12	-12	-12	-11	-11
7350	-12	-12	-12	-12	-13	-12	-12	-12	-12	-12
7360	-12	-13	-14	-14	-14	-19	-19	-19	-22	-23
7370	-27	-29	-26	-23	-20	-19	-19	-18	-15	-12
7380	-5	-2	-3	-2	0	0	1	1	1	1
7390	1	1	1	1	1	1	3	3	6	7
7400	5	10	16	20	20	27	34	35	38	38
7410	39	39	39	39	40	40	39	37	36	36
7420	36	34	32	28	25	25	25	25	23	23
7430	22	21	20	20	20	20	20	19	4	-6
7440	-7	-12	-13	-11	-11	-11	-11	-11	-11	-12
7450	-12	-12	-13	-18	-21	-21	-21	-21	-21	-22
7460	-25	-27	-27	-28	-31	-32	-32	-32	-32	-33
7470	-32	-33	-33	-30	-29	-28	-28	-28	-27	-25
7480	-22	-19	-16	-13	-12	-12	-12	-9	-4	-2
7490	-2	-2	-1	1	3	3	3	4	4	4
7500	6	9	8	9	10	10	10	10	12	17

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

CONTINUED (S-1202 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	22	23	23	23	25	24	23	23	23	21	-12	-12	-12	-13	-15	-18	-17	-17	-16	-16
7520	16	14	13	13	12	12	13	11	8	5	-15	-15	-15	-15	-16	-18	-15	-16	-16	-16
7530	5	5	5	6	6	5	4	4	1	0	-19	-19	-18	-18	-19	-19	-20	-24	-24	-29
7540	0	0	-1	-4	-7	-8	-10	-10	-11	-11	-31	-31	-31	-32	-33	-34	-32	-31	-31	-32
7550	-11	-11	-12	-17	-20	-23	-23	-23	-23	-23	-30	-29	-29	-28	-28	-28	-20	-20	-19	-19
7560	-23	-23	-23	-23	-23	-23	-24	-24	-25	-24	-15	-10	-11	-9	-7	-6	-2	-3	-3	-2
7570	-22	-19	-15	-13	-13	-13	-13	-13	-12	-12	0	0	1	5	5	5	6	8	8	8
7580	-12	-12	-12	-12	-12	-11	-9	-9	-9	-7	8	8	11	10	10	11	9	16	14	17
7590	-6	-6	-6	-6	-6	-6	-6	-6	-5	-5	8	9	12	11	12	13	17	16	14	17
7600	-5	-2	-2	-2	-3	-3	-3	-3	-3	0	8	130	17	19	22	24	24	24	24	23
7610	2	2	2	2	4	5	5	5	4	3	8	140	18	18	18	18	15	12	11	8
7620	3	3	3	3	3	3	3	3	3	3	8	160	8	8	8	7	-7	-9	-9	-11
7630	1	-2	-3	-5	-6	-6	-6	-6	-8	-10	-9	-9	-9	-11	-11	-11	-9	-9	-9	-11
7640	-10	-10	-9	-9	-8	-8	-8	-7	-8	-7	-9	-9	-9	-10	-10	-10	-9	-9	-9	-11
7650	-5	-4	-3	-3	-4	-3	-1	0	0	0	-9	-9	-9	-9	-9	-9	-9	-9	-9	-11
7660	0	2	6	6	5	5	5	5	5	5	-25	-24	-24	-24	-24	-24	-24	-24	-24	-22
7670	2	3	4	4	4	4	4	4	4	4	-25	-25	-25	-25	-26	-26	-22	-22	-22	-21
7680	-5	-5	-5	-5	-5	-5	-5	-5	-5	-5	-21	-20	-20	-16	-9	-8	-8	-8	-8	-8
7690	-6	-8	-8	-8	-11	-14	-15	-15	-13	-11	-3	-2	-1	-1	-1	-2	-1	-5	-8	-8
7700	-8	-8	-8	-8	-9	-9	-9	-9	-9	-9	-7	-7	-7	-7	-7	-7	-7	-8	-8	-7
7710	-2	1	3	3	4	4	3	3	3	3	-11	-11	-11	-11	-11	-11	-19	-18	-18	-12
7720	3	3	3	2	4	4	0	0	0	0	-12	-11	-18	-18	-19	-19	-19	-18	-18	-18
7730	0	1	3	4	4	3	3	3	8	13	-18	-18	-18	-18	-20	-22	-22	-22	-22	-22
7740	15	17	18	18	16	14	13	11	9	8	-22	-22	-22	-21	-18	-13	-14	-14	-14	-14
7750	8	7	5	4	4	4	4	4	4	4	-15	-16	-18	-18	-18	-18	-18	-18	-18	-12
7760	2	2	1	0	-1	-3	-5	-5	-5	-6	-10	-10	-10	-9	-8	-8	-8	-4	-1	-1
7770	-8	-9	-9	-8	-6	-6	-6	-6	-6	-6	-1	-1	-2	6	6	5	5	5	5	5
7780	-6	-6	-6	-6	-6	-7	-9	-8	-6	-6	6	2	2	1	1	1	0	-1	-2	-6
7790	-5	-5	-2	0	0	0	0	0	0	0	-11	-15	-18	-18	-18	-18	-18	-18	-18	-18
7800	0	0	0	-2	-5	-5	-5	-5	-5	-4	-9	-9	-9	-9	-9	-9	-9	-9	-9	-9
7810	-4	-6	-3	0	0	0	0	0	0	1	-17	-17	-17	-17	-17	-17	-17	-17	-17	-17
7820	5	5	5	5	6	6	6	6	6	6	-13	-13	-12	-14	-14	-14	-16	-16	-16	-16
7830	6	6	6	6	6	6	6	6	6	6	-13	-13	-12	-14	-14	-14	-16	-16	-16	-16
7840	6	6	6	6	6	6	6	6	6	6	-13	-13	-12	-14	-14	-14	-16	-16	-16	-16
7850	13	13	13	13	12	11	8	5	4	4	-26	-26	-24	-20	-20	-20	-20	-20	-20	-19
7860	2	1	0	0	0	1	1	1	1	1	-20	-19	-21	-25	-27	-27	-27	-27	-25	-21
7870	1	1	2	2	2	2	2	2	2	1	-21	-20	-20	-20	-20	-20	-20	-20	-20	-19
7880	-1	-1	0	0	1	0	0	1	0	0	-16	-15	-12	-9	-9	-6	2	2	2	2
7890	0	0	-1	-7	-7	-7	-7	-7	-7	-7	2	2	0	-3	-3	-3	-5	-4	-3	-3
7900	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-430	-4	-6	-13	-16	-16	-19	-21	-21	-19
7910	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7	-440	-19	-19	-14	-14	-14	-19	-21	-20	-19
7920	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12	-450	-23	-16	-14	-14	-14	-15	-22	-24	-24
7930	-11	-11	-10	-8	-8	-9	-11	-12	-13	-13	-460	-14	-15	-15	-15	-15	-15	-12	-12	-12
7940	-14	-14	-14	-14	-14	-14	-14	-14	-12	-11	-470	-15	-15	-15	-15	-14	-14	-14	-14	-15
7950	-10	-10	-11	-11	-11	-11	-11	-11	-11	2	-17	-17	-17	-17	-17	-17	-17	-17	-17	-14
7960	5	4	4	4	7	8	5	4	4	4	-14	-14	-14	-14	-14	-14	-21	-21	-21	-21
7970	6	6	7	7	6	11	11	11	9	5	-21	-21	-14	-14	-14	-14	-14	-8	-8	-8
7980	4	7	8	8	5	5	5	5	6	6	-8	-8	-8	-8	-2	0	0	-1	-1	-2
7990	5	5	4	3	2	2	-1	-4	-5	-5	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
8000	-5	-5	-4	-2	-1	0	1	2	2	6	-7	-6	-3	-3	-3	-3	-3	-3	-3	-5
8010	8	8	8	11	13	14	14	14	13	12	-6	-10	-10	-11	-10	-10	-15	-17	-17	-17
8020	12	11	9	9	9	9	7	5	5	6	-17	-17	-26	-28	-28	-28	-28	-31	-32	-29
8030	5	3	1	-1	-4	-5	-6	-7	-8	-8	-27	-26	-24	-25	-26	-29	-29	-29	-29	-29
8040	-8	-8	-10	-10	-11	-12	-12	-12	-12	-12	-29	-36	-40	-39	-40	-39	-40	-38	-36	-35
											-34	-35	-35	-35	-35	-35	-35	-32	-28	-27

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1202 DOWN)

N0.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	-28	-26	-28	-28	-27	-25	-22	-21	-21	-21
8600	-21	-19	-16	-15	-15	-15	-15	-16	-15	-11
8610	-10	-10	-9	-9	-11	-13	-13	-14	-14	-14
8620	-18	-20	-20	-20	-18	-14	-12	-12	-10	-10
8630	-12	-12	-11	-11	-9	-9	-10	-11	-13	-15
8640	-15	-15	-15	-15	-21	-29	-29	-29	-29	-29
8650	-28	-28	-30	-31	-31	-30	-28	-28	-28	-29
8660	-30	-32	-30	-30	-29	-28	-28	-28	-26	-26
8670	-24	-26	-25	-18	-10	-8	-8	-5	1	1
8680	2	2	2	3	9	10	7	6	9	16
8690	19	19	19	19	19	19	18	13	12	10
8700	8	3	3	4	7	2	2	1	-2	-3
8710	-5	-6	-6	-6	-6	-6	-8	-16	-20	-23
8720	-24	-24	-27	-27	-27	-28	-30	-30	-30	-30
8730	-30	-31	-36	-36	-36	-36	-35	-31	-31	-29
8740	-27	-27	-31	-28	-28	-28	-27	-21	-20	-18
8750	-17	-22	-23	-23	-22	-21	-23	-27	-27	-27
8760	-29	-29	-29	-28	-28	-32	-32	-32	-31	-32
8770	-32	-34	-33	-33	-33	-34	-31	-31	-31	-31
8780	-32	-33	-32	-32	-33	-34	-33	-31	-31	-31
8790	-28	-28	-27	-27	-23	-19	-23	-19	-18	-18

END

RECORD = S-1191 COMPONENT = W25N STATION = ONAHAMA-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 12000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 CONNECTION POINT IN DATA NUMBER= 3004, 6009, 9034, 12000,

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

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 M25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	-28	-28	-28	-28	-27	-23	-6	12	30	40
1040	52	58	57	56	54	50	45	36	24	13
1050	3	-2	-1	4	22	37	45	52	64	77
1060	83	85	88	93	100	101	95	76	60	45
1070	24	-2	-4	-2	5	15	23	45	62	79
1080	98	98	98	99	99	95	81	62	42	29
1090	20	19	19	22	34	44	51	63	74	86
1100	92	92	92	92	92	90	73	52	30	0
1110	32	-71	-87	-101	-110	-110	-109	-103	-94	-79
1120	-70	-62	-67	-80	-97	-121	-141	-147	-148	-148
1130	-18	-35	-43	-61	-77	-110	-71	-66	-31	-7
1140	-149	-149	-149	-149	-136	-114	14	14	10	3
1150	1	11	13	14	14	14	10	3	4	-12
1160	-17	-23	-31	-40	-45	-47	-38	-26	-18	-17
1170	-43	-19	-22	-31	-49	-72	-98	-121	-132	-136
1180	-137	-130	-115	-91	-69	-41	-25	-11	3	-6
1190	6	0	-17	-33	-53	-65	-69	-70	-64	-60
1200	-41	-34	-29	-28	-26	-23	-13	0	22	41
1210	63	76	78	59	37	13	-10	-30	-38	-40
1220	-38	-27	-16	-13	-14	-15	-15	-14	-12	4
1230	24	41	48	51	53	51	49	49	50	50
1240	48	46	43	39	34	29	25	20	14	10
1250	42	18	24	24	24	24	21	21	21	21
1260	20	19	17	14	13	14	8	2	0	6
1270	37	24	32	45	61	82	100	113	125	134
1280	139	138	131	115	100	92	85	75	64	54
1290	47	40	29	17	4	-13	-29	-50	-67	-75
1300	-75	-73	-61	-34	-9	15	37	41	41	42
1310	35	12	-19	-53	-81	-96	-124	-133	-133	-138
1320	-115	-103	-90	-76	-67	-48	-26	-10	14	28
1330	24	7	-12	-32	-48	-56	-60	-63	-63	-64
1340	-59	-55	-50	-44	-40	-50	-58	-70	-71	-73
1350	-73	-65	-61	-51	-35	-16	-7	-6	-7	-14
1360	-14	-15	-20	-17	-15	-16	-16	-18	-19	-22
1370	-25	-25	-22	-5	26	55	70	82	90	87
1380	63	34	1	-26	-46	-57	-57	-58	-48	-24
1390	-4	20	41	61	97	131	157	162	162	162
1400	173	172	150	132	114	96	72	48	29	13
1410	-1	-39	-69	-74	-74	-54	-25	0	5	10
1420	11	17	26	34	32	41	42	24	-16	-54
1430	-92	-134	-170	-197	-216	-218	-212	-202	-198	-194
1440	-193	-194	-196	-198	-192	-191	-188	-187	-179	-179
1450	-151	-113	-88	-68	-42	-21	10	34	44	61
1460	75	84	88	90	70	42	18	0	-13	-23
1470	-29	-30	-30	-26	-15	3	15	29	50	67
1480	71	70	79	94	111	120	119	114	110	107
1490	104	98	88	67	35	3	-20	-35	-36	-36
1500	-34	-32	-30	-29	-30	-30	-41	-58	-75	-93
1510	-112	-126	-135	-138	-133	-126	-119	-113	-114	-119
1520	-121	-122	-123	-117	-100	-84	-74	-71	-73	-73
1530	-74	-74	-74	-63	-28	18	64	127	171	196
1540	207	212	216	218	216	215	215	211	197	178
1550	160	143	124	100	81	67	57	52	56	67

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	59	60	57	37	17	0	-14	-30	-47	-65
2120	-81	-97	-102	-107	-116	-131	-139	-145	-143	-131
2130	-86	-84	-81	-71	-51	-24	-61	-93	-101	-101
2140	-103	-110	-126	-141	-145	-152	-151	-133	-97	-75
2150	-44	-12	11	30	57	68	70	73	72	69
2160	61	57	54	52	38	44	-6	-21	-33	-47
2170	-53	-54	-52	-38	6	20	46	75	112	149
2180	165	166	169	123	88	25	-35	-68	-110	-120
2190	-121	-89	-79	-48	-24	-18	-17	-17	-33	-48
2200	-60	-83	-119	-146	-164	-176	-179	-179	-181	-180
2210	-152	-112	-60	-5	58	117	144	160	167	168
2220	168	154	128	107	99	92	84	77	74	71
2230	69	74	80	86	90	90	90	92	101	109
2240	115	116	105	82	56	27	10	-52	-95	-119
2250	-123	-123	-110	-70	-23	17	57	103	140	150
2260	150	151	154	155	153	156	153	168	144	99
2270	57	17	17	-35	-41	-41	-24	-2	10	15
2280	16	14	9	1	-9	-19	-27	-29	-16	8
2290	28	39	39	33	33	13	-20	-64	-110	-147
2300	-159	-142	-123	-108	-104	-110	-123	-135	-159	-178
2310	-182	-186	-195	-198	-183	-169	-157	-146	-139	-159
2320	-137	-136	-137	-140	-150	-164	-175	-196	-215	-230
2330	-241	-246	-243	-219	-178	-127	-62	3	74	165
2340	239	273	295	302	301	290	262	229	199	164
2350	133	113	104	95	94	96	110	147	190	214
2360	259	296	320	341	348	346	337	307	272	236
2370	209	176	139	84	54	37	20	-3	-5	-5
2380	-3	1	0	-2	-5	-10	-14	-14	-14	-18
2390	-18	-26	-83	-115	-150	-166	-171	-168	-143	-108
2400	-88	-74	-70	-71	-90	-130	-143	-164	-175	-179
2410	-180	-179	-180	-179	-168	-141	-116	-86	-65	-52
2420	-28	-9	3	2	2	-1	-14	-37	-51	-74
2430	-98	-115	-129	-135	-129	-106	-62	-19	8	22
2440	29	35	40	45	49	128	178	210	225	231
2450	232	232	231	230	186	131	71	7	-31	-40
2460	41	-8	36	75	114	164	211	252	282	309
2470	325	327	326	297	253	203	141	69	-22	-115
2480	-158	-172	-175	-173	-160	-155	-146	-134	-132	-134
2490	-133	-131	-132	-133	-133	-133	-135	-132	-177	-214
2500	-241	-259	-275	-280	-279	-295	-243	-163	-142	-69
2510	-45	-28	-32	-32	-24	-30	-31	-30	-30	-30
2520	58	46	44	45	41	41	42	44	44	44
2530	260	260	260	260	260	260	260	260	260	260
2540	322	295	283	234	211	193	184	166	192	194
2550	192	189	187	184	179	172	156	133	108	85
2560	69	62	54	45	41	41	41	42	44	44
2570	42	32	17	8	0	-13	-35	-62	-88	-110
2580	-123	-130	-128	-125	-120	-112	-110	-109	-109	-116
2590	-140	-169	-195	-218	-244	-267	-289	-305	-308	-296
2600	-260	-216	-185	-171	-168	-167	-165	-163	-157	-141
2610	-130	-126	-127	-135	-143	-147	-159	-165	-165	-160
2620	-139	-116	-87	-60	-35	-16	6	38	66	106
2630	143	171	199	305	212	245	262	282	266	266
2640	266	263	246	220	172	132	97	78	70	67

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	122	119	113	107	92	80	64	52	39	30	3730	-153	-154	-155	-152	-149	-145	-140	-138	-122	-111
3200	25	26	44	65	94	135	171	200	214	213	3740	-105	-104	-111	-120	-136	-140	-141	-141	-121	-92
3210	185	139	75	22	-31	-86	-131	-155	-159	-159	3750	-65	-59	-22	-6	3	12	15	13	7	0
3220	-159	-160	-144	-121	-99	-72	-55	-26	12	39	3760	-65	-79	-22	-40	-62	-74	-82	-85	-85	85
3230	46	45	43	44	44	41	40	37	34	20	3770	-78	-64	-51	-36	-2	37	74	108	134	149
3240	-82	-83	-322	-127	-169	-219	-261	-268	-302	-319	3780	155	165	171	171	170	171	171	171	171	169
3250	-322	-322	-322	-320	-326	-322	-252	-219	-177	-159	3790	167	170	173	175	179	161	174	154	124	106
3260	-85	-49	-27	-18	-45	-14	-27	-53	-33	-76	3800	97	91	87	81	76	70	63	57	52	46
3270	-116	-147	-162	-207	-231	-253	-269	-285	-291	-291	3810	38	32	22	6	-8	-18	-35	-42	-61	-75
3280	-116	-147	-162	-207	-231	-253	-269	-285	-291	-291	3820	-170	-140	-124	-110	-104	-104	-104	-104	-104	-104
3290	-104	-104	-104	-104	-105	-112	-123	-130	-129	-120	3830	77	80	82	82	82	81	76	64	52	34
3300	-94	-57	-28	-8	17	45	70	87	106	131	3840	7	-23	-51	-66	-73	-61	-90	-98	-111	76
3310	155	174	191	206	206	184	137	99	80	68	3850	-142	-174	-205	-233	-255	-266	-268	-270	-268	-259
3320	65	76	107	126	142	155	164	167	167	165	3860	-64	-231	-220	-210	-195	-176	-165	-145	-120	35
3330	163	164	173	181	209	218	220	224	222	218	3870	-61	-31	0	28	32	35	36	34	35	35
3340	215	216	216	218	221	223	226	229	228	225	3880	35	35	36	43	46	48	50	52	52	52
3350	224	222	222	226	230	232	229	218	203	193	3890	55	56	61	67	74	115	122	127	131	136
3360	179	165	155	144	134	127	123	112	95	79	3900	140	143	143	142	141	134	122	106	97	83
3370	67	55	55	63	70	80	85	85	82	63	3910	74	64	53	44	39	38	44	52	65	81
3380	36	0	-40	-79	-109	-128	-128	-134	-126	-145	3920	104	118	124	123	126	113	85	64	43	23
3390	-146	-159	-159	-159	-159	-160	-166	-173	-175	-177	3930	10	2	4	7	7	12	17	18	21	25
3400	-180	-184	-187	-187	-187	-206	-218	-237	-251	-271	3940	28	30	33	38	39	39	39	25	16	8
3410	-280	-283	-283	-286	-231	-191	-156	-122	-113	-104	3950	-7	-29	-51	-72	-90	-115	-126	-142	-163	-171
3420	-98	-92	-92	-101	-121	-133	-144	-151	-152	-152	3960	-176	-167	-136	-84	-32	2	31	77	115	131
3430	-152	-152	-148	-149	-148	-148	-136	-119	-103	-78	3970	140	153	159	158	157	154	153	123	85	38
3440	-52	-21	15	31	39	51	65	78	84	86	3980	-10	-55	-100	-129	-140	-163	-193	-205	-206	-206
3450	88	89	80	69	57	49	41	35	29	24	3990	-200	-190	-176	-155	-140	-126	-117	-115	-114	-114
3460	19	11	5	3	-2	-4	-4	-10	-19	-27	4000	-112	-103	-91	-78	-73	-78	-85	-96	-104	-104
3470	-38	-42	-43	-47	-52	-62	-65	-64	-65	-50	4010	-110	-115	-118	-119	-110	-95	-89	-84	-79	-79
3480	-63	10	46	81	113	149	167	198	207	234	4020	-79	-79	-82	-86	-88	-88	-88	-83	-74	-63
3490	276	310	336	358	375	387	389	384	361	354	4030	-47	-26	-5	4	14	38	68	96	114	123
3500	299	247	201	158	107	61	29	7	-1	0	4040	127	127	127	127	126	124	122	120	115	111
3510	19	64	110	157	201	239	270	286	293	295	4050	106	106	106	112	121	122	124	126	125	124
3520	297	298	274	231	188	146	105	68	25	-9	4060	103	91	75	60	49	46	46	46	46	49
3530	-27	-33	-34	-36	-36	-36	-36	-36	-37	-43	4070	57	67	82	105	118	131	150	161	162	166
3540	-67	-97	-113	-121	-133	-142	-147	-150	-147	-137	4080	171	170	163	148	128	117	105	93	78	64
3550	-124	-109	-93	-80	-73	-64	-57	-54	-54	-54	4090	50	32	25	4	-22	-55	-87	-114	-138	-161
3560	-54	-54	-56	-57	-63	-102	-127	-153	-176	-202	4100	-172	-176	-176	-178	-182	-182	-181	-181	-182	-184
3570	-254	-249	-266	-326	-361	-388	-403	-408	-405	-377	4110	-186	-187	-191	-194	-197	-199	-200	-202	-204	-208
3580	-359	-261	-233	-185	-148	-122	-107	-95	-83	-78	4120	-216	-222	-228	-228	-222	-205	-190	-179	-170	-166
3590	-67	-55	-48	-50	-60	-74	-95	-105	-107	-106	4130	-158	-144	-130	-121	-95	-51	-17	15	35	58
3600	-92	-60	-34	1	41	80	110	117	122	121	4140	84	114	126	137	153	173	188	202	212	214
3610	117	112	100	94	83	79	62	44	36	37	4150	214	209	205	198	190	183	177	162	151	143
3620	43	64	89	115	150	177	202	225	240	245	4160	139	126	124	123	123	128	139	150	160	171
3630	244	239	213	178	147	119	100	89	88	89	4170	187	200	212	224	245	261	264	266	265	264
3640	98	108	118	126	129	129	124	119	115	114	4180	243	219	181	146	108	75	42	5	-22	-33
3650	113	113	113	114	108	108	107	104	100	91	4190	-53	-72	-102	-128	-159	-159	-160	-158	-147	-147
3660	76	65	58	50	49	47	46	46	49	52	4200	-140	-137	-132	-128	-124	-118	-106	-83	-69	-51
3670	52	52	52	52	66	86	97	103	105	104	4210	-19	4	26	38	41	43	41	35	17	-4
3680	88	81	67	46	26	-1	-15	-29	-47	-56	4220	-20	-39	-55	-68	-87	-106	-119	-129	-139	-144
3690	-59	-57	-30	0	18	34	47	49	43	22	4230	-144	-137	-117	-117	-102	-94	-85	-82	-83	-85
3700	0	-16	-34	-50	-53	-54	-58	-67	-77	-89	4240	-86	-86	-86	-86	-86	-86	-89	-93	-94	-90
3710	-94	-98	-103	-103	-94	-87	-82	-78	-74	-72	4250	-78	-70	-61	-55	-58	-58	-69	-80	-89	-94
3720	-72	-76	-83	-95	-107	-118	-126	-134	-147	-152	4260	-94	-89	-83	-75	-71	-63	-63	-63	-60	-60

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 W25W)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-15	-2	9	14	15	14	14	12	10	13
4280	20	24	25	25	25	25	25	24	25	32
4290	46	68	88	105	121	136	148	152	156	163
4300	169	170	172	175	181	186	187	186	189	182
4310	163	146	134	118	105	100	99	99	99	99
4320	99	102	106	110	119	130	139	149	157	159
4330	159	157	144	114	82	51	21	8	36	64
4340	-77	-95	-107	-106	-102	-90	-74	-56	-33	-24
4350	-21	-17	-17	-16	-15	-15	-16	-24	-41	-54
4360	-71	-92	-108	-111	-116	-123	-118	-115	-113	-109
4370	-108	-104	-106	-120	-138	-141	-151	-160	-161	-162
4380	-164	-164	-165	-165	-165	-165	-165	-160	-141	-130
4390	-112	-93	-79	-67	-54	-48	-49	-56	-77	-90
4400	-93	-102	-107	-112	-113	-113	-113	-113	-112	-113
4410	-112	-84	-65	-47	-34	-24	8	13	27	38
4420	41	46	46	53	59	59	59	74	87	88
4430	117	151	169	187	208	222	233	237	238	236
4440	217	188	164	137	102	71	46	19	9	4
4450	0	-1	-2	-2	0	0	4	13	27	37
4460	47	63	79	89	94	98	98	95	89	80
4470	67	55	45	35	30	30	31	42	60	71
4480	81	88	98	106	109	112	112	102	93	85
4490	75	65	58	48	37	29	19	6	-2	-5
4500	-5	-2	7	16	21	22	27	30	30	29
4510	28	27	24	23	23	23	23	23	12	-11
4520	-30	-42	-59	-84	-112	-132	-144	-148	-156	-169
4530	-178	-186	-195	-209	-225	-236	-239	-239	-238	-230
4540	-221	-215	-204	-197	-190	-180	-172	-168	-167	-158
4550	-172	-185	-202	-214	-223	-235	-247	-255	-257	-257
4560	-258	-256	-239	-201	-159	-122	-86	-48	-9	25
4570	52	67	93	109	110	114	121	124	124	124
4580	123	124	126	130	134	134	134	134	134	134
4590	134	132	122	111	107	107	111	132	164	184
4600	203	224	231	233	235	235	231	221	213	203
4610	192	180	167	159	149	136	126	123	109	102
4620	90	79	74	64	63	62	66	70	75	79
4630	83	89	89	86	84	87	84	84	85	89
4640	-66	-95	-116	-133	-147	-162	-167	-167	-167	-166
4650	-152	-141	-129	-124	-109	-101	-97	-96	-97	-97
4660	-98	-98	-98	-96	-72	-55	-41	-25	-14	-7
4670	-1	4	4	3	3	6	13	23	28	40
4680	63	79	90	93	97	101	97	95	93	86
4690	82	78	71	62	52	38	21	5	-9	-18
4700	-28	-34	-36	-36	-36	-36	-35	-30	-23	-5
4710	19	33	44	57	76	89	92	85	80	69
4720	60	54	47	41	35	27	28	29	29	29
4730	30	30	30	15	-5	-21	-40	-58	-74	-88
4740	-92	-92	-98	-101	-95	-86	-79	-69	-62	-56
4750	-55	-58	-60	-61	-63	-67	-70	-69	-60	-53
4760	-49	-42	-31	-26	-18	-11	-5	0	11	24
4770	35	43	50	59	65	66	66	60	49	43
4780	38	29	17	6	-2	-10	-16	-20	-22	-15
4790	1	16	29	47	68	82	91	96	100	104
4800	105	102	91	71	46	22	-1	-29	-56	-66

TO BE CONTINUED

CONTINUED (S-1191 W25W)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4810	-79	-86	-88	-88	-91	-93	-94	-96	-100	-108
4820	-111	-114	-119	-128	-134	-134	-134	-134	-134	-135
4830	-138	-137	-135	-131	-127	-124	-116	-103	-88	-68
4840	-46	-26	-7	19	35	38	33	23	14	4
4850	-1	-10	-16	-25	-35	-49	-60	-70	-80	-86
4860	-86	-84	-68	-38	-15	15	44	72	91	106
4870	114	118	118	116	115	114	111	109	108	107
4880	106	103	95	94	94	98	105	109	115	124
4890	128	129	134	134	134	127	119	112	98	87
4900	74	62	57	52	48	55	54	64	66	69
4910	82	88	93	96	95	97	94	89	67	48
4920	34	21	6	-9	-17	-30	-40	-46	-59	-67
4930	-67	-67	-66	-65	-63	-63	-63	-71	-88	-113
4940	-152	-173	-197	-219	-227	-232	-233	-233	-233	-223
4950	-217	-206	-189	-175	-173	-149	-171	-99	-91	-91
4960	-89	-88	-100	-112	-117	-118	-115	-115	-110	-105
4970	-104	-105	-100	-96	-87	-81	-39	-29	-19	-19
4980	20	31	35	36	32	28	24	20	19	1
4990	19	21	30	39	53	70	85	98	119	141
5000	154	160	162	150	130	106	79	58	41	22
5010	8	-4	-9	-13	-16	-17	-17	-16	-10	6
5020	27	41	54	72	87	96	102	105	106	107
5030	107	107	107	106	97	82	68	53	36	18
5040	1	-8	-13	-15	-14	-13	-9	-9	-9	-11
5050	-12	-12	-13	-15	-15	-14	-14	-14	-14	-14
5060	41	54	65	68	66	63	62	59	58	58
5070	57	53	49	44	40	36	35	32	28	23
5080	13	-4	-4	-7	-6	-3	-1	1	0	-5
5090	-1	-2	0	0	0	0	1	15	15	13
5100	-17	-13	-8	-6	-5	-5	-4	-3	-2	-2
5110	-17	-13	-8	-6	-5	-5	-4	-3	-2	-2
5120	14	19	29	31	35	38	37	34	34	4
5130	-16	-40	-55	-70	-80	-88	-94	-100	-105	-110
5140	-110	-104	-102	-98	-94	-89	-91	-96	-98	-99
5150	-108	-115	-120	-126	-128	-128	-128	-148	-149	-148
5160	-137	-117	-99	-72	-55	-45	-19	-14	-6	-3
5170	-3	-3	-3	-3	-3	-3	2	19	27	35
5180	52	67	83	85	85	92	102	107	110	114
5190	117	117	117	119	120	120	118	116	119	121
5200	121	121	120	117	115	115	115	115	126	141
5210	156	161	176	190	205	213	215	217	216	199
5220	180	144	105	68	42	7	-30	-60	-95	-120
5230	-136	-146	-149	-149	-140	-128	-113	-105	-100	-92
5240	-83	-75	-71	-66	-61	-58	-54	-52	-52	-52
5250	-50	-51	-54	-59	-64	-67	-69	-72	-73	-78
5260	-85	-93	-102	-113	-126	-139	-151	-159	-162	-164
5270	-164	-161	-160	-159	-158	-149	-143	-134	-120	-102
5280	-86	-78	-73	-67	-62	-60	-59	-59	-59	-61
5290	-65	-67	-67	-66	-61	-54	-48	-34	-16	-3
5300	11	30	40	47	49	50	51	53	56	58
5310	60	59	59	59	59	60	62	63	63	66
5320	66	66	66	65	63	57	50	44	38	36
5330	33	29	24	21	18	17	18	22	25	30
5340	39	50	55	59	58	57	51	46	37	23

TO BE CONTINUED

CONTINUED(S-1191 W25N)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	11	0	-14	-37	-54	-74	-83	-87	-87	
5360	-83	-71	-64	-60	-43	-33	-23	-14	-11	
5370	-10	-10	-7	-9	-13	-11	-11	-15	-16	
5380	-8	6	13	17	27	27	37	36	37	
5390	37	41	38	36	31	26	20	13	3	
5400	3	6	14	28	38	82	76	95	110	122
5410	134	137	142	146	153	156	158	157	139	
5420	112	96	67	40	27	17	2	-6	-9	-13
5430	-16	-26	-29	-30	-32	-34	-36	-35	-37	
5440	-40	-43	-48	-50	-55	-56	-63	-68	-74	
5450	-83	-90	-96	-104	-111	-112	-112	-112	-112	
5460	-108	-103	-92	-89	-82	-78	-75	-74	-73	
5470	-71	-73	-72	-70	-70	-70	-70	-68	-65	
5480	-61	-58	-56	-56	-56	-59	-63	-63	-58	
5490	-50	-39	-18	2	27	51	69	93	112	132
5500	148	160	171	180	183	179	168	149	129	105
5510	83	68	65	64	63	65	67	67	68	
5520	69	69	72	75	80	84	88	94	100	
5530	101	101	101	95	78	51	24	2	-20	-41
5540	-57	-67	-71	-71	-67	-62	-56	-48	-42	
5550	-40	-36	-32	-32	-32	-37	-48	-57	-61	
5560	-70	-84	-92	-80	-65	-53	-40	-31	-26	
5570	-23	-22	-20	-23	-31	-36	-39	-41	-42	
5580	-42	-43	-43	-43	-43	-41	-33	-27	-23	
5590	-16	-8	-7	-7	-7	-7	-8	-10	-16	
5600	-18	-19	-19	-17	-19	-11	10	22	29	
5610	39	51	60	70	81	101	111	117	122	
5620	131	143	154	162	163	166	173	179	178	
5630	171	160	150	145	135	125	116	109	96	
5640	95	95	96	95	97	95	95	97	97	
5650	90	64	48	34	15	0	-11	-22	-33	
5660	-54	-58	-65	-67	-71	-80	-91	-96	-98	
5670	-97	-97	-97	-97	-98	-105	-108	-119	-126	
5680	-147	-164	-178	-184	-190	-189	-185	-185	-139	
5690	-183	-177	-176	-175	-174	-170	-166	-162	-154	
5700	-138	-134	-121	-111	-100	-84	-66	-49	-37	
5710	-30	-26	-24	-23	-23	-24	-28	-27	-25	
5720	-25	-25	-25	-18	-12	-9	-1	19	37	
5730	67	76	83	88	92	97	104	108	113	
5740	123	126	132	136	137	137	137	125	119	
5750	111	109	105	102	100	98	98	94	88	
5760	77	65	44	30	21	3	-22	-40	-51	
5770	-70	-74	-75	-77	-80	-81	-81	-83	-89	
5780	-94	-95	-99	-105	-115	-126	-134	-147	-157	
5790	-162	-162	-157	-143	-127	-112	-98	-86	-76	
5800	-68	-66	-64	-62	-60	-58	-57	-54	-44	
5810	-40	-36	-32	-26	-19	-15	-9	-1	5	
5820	25	32	38	42	46	51	57	64	69	
5830	85	98	111	119	125	126	125	120	113	
5840	107	98	86	79	68	53	47	46	42	
5850	36	36	36	36	36	36	36	36	36	
5860	34	34	34	33	25	16	14	11	5	
5870	-10	-3	-3	0	4	9	17	27	37	
5880	59	67	71	71	73	71	66	61	56	

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-56	-53	-66	-39	-32	-26	-19	-6	0	3
6440	3	1	-7	-7	-8	-13	-17	-18	-18	-21
6450	-24	-25	-20	-25	-20	-16	-13	-6	3	3
6460	10	16	17	19	23	27	28	28	29	27
6470	21	16	10	6	5	6	9	14	15	15
6480	16	18	10	19	19	19	21	22	22	22
6490	22	22	22	19	16	10	7	6	6	9
6500	13	19	24	28	33	37	38	42	45	8
6510	46	45	45	41	36	29	17	11	9	8
6520	7	8	11	14	15	16	18	23	28	32
6530	35	37	40	40	37	32	27	23	20	16
6540	14	14	14	17	26	30	50	68	80	80
6550	89	98	103	103	100	92	82	62	62	62
6560	48	36	27	15	0	-8	-16	-23	-29	-33
6570	-37	-40	-43	-42	-43	-42	-43	-44	-44	-44
6580	-51	-56	-60	-65	-65	-72	-76	-75	-72	-72
6590	-65	-62	-60	-56	-55	-55	-55	-53	-53	-54
6600	-57	-57	-60	-61	-62	-66	-67	-62	-50	-45
6610	-39	-28	-14	1	1	17	17	17	20	20
6620	19	15	8	0	0	-2	-8	-9	-9	-15
6630	-20	-19	-20	-20	-21	-30	-31	-33	-33	-33
6640	-33	-35	-35	-35	-36	-35	-35	-30	-25	-17
6650	0	4	9	22	35	56	67	72	87	101
6660	121	126	136	145	144	144	144	142	138	122
6670	110	103	88	81	80	82	84	90	92	92
6680	92	93	88	85	78	76	71	62	56	51
6690	44	34	28	23	20	12	3	-10	-21	-32
6700	-36	-47	-56	-64	-75	-79	-81	-83	-90	-94
6710	-97	-100	-105	-113	-114	-118	-125	-126	-129	-132
6720	-132	-131	-127	-117	-109	-103	-89	-79	-67	-57
6730	-54	-52	-49	-47	-46	-45	-44	-44	-43	-43
6740	-43	-38	-27	-8	0	12	29	46	56	72
6750	93	107	122	135	140	142	142	142	140	134
6760	129	124	115	107	99	93	89	87	87	87
6770	88	89	90	89	87	81	71	58	46	46
6780	35	21	10	5	0	-4	-6	-6	-7	-8
6790	-9	-12	-15	-16	-20	-24	-34	-50	-60	-67
6800	-76	-84	-94	-102	-109	-114	-114	-114	-116	-118
6810	-120	-121	-123	-122	-120	-117	-112	-109	-107	-105
6820	-105	-105	-105	-105	-105	-106	-106	-106	-107	-106
6830	-104	-101	-94	-86	-73	-60	-50	-36	-19	-6
6840	-4	1	4	5	5	5	5	5	6	6
6850	8	14	22	27	30	36	35	37	42	47
6860	55	63	68	79	87	94	101	106	111	115
6870	116	116	116	115	112	107	103	99	88	82
6880	75	67	58	54	53	53	56	59	59	60
6890	60	57	49	45	39	36	28	25	21	17
6900	15	12	9	5	1	-5	-15	-22	-22	-21
6910	-32	-36	-36	-36	-37	-37	-43	-46	-51	-57
6920	-57	-60	-62	-66	-71	-73	-71	-70	-68	-68
6930	-63	-60	-56	-50	-47	-43	-42	-42	-46	-46
6940	-49	-54	-61	-67	-67	-66	-67	-66	-60	-48
6950	-35	-19	0	11	21	31	37	39	39	43
6960	42	38	37	33	33	31	30	30	30	30

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 W25N)

CONTINUED (S-1191 W25N)

CONTINUED (S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	-13	-5	-1	?	7	14	18	23	28	33	8090	-2	-3	-7	-12	-15	-19	-22	-25	-29	-33
7520	39	42	43	44	46	53	61	64	66	71	8060	-35	-37	-33	-24	-16	-7	5	15	23	31
7530	74	80	85	89	92	94	98	100	100	100	8070	36	40	40	40	39	37	34	35	34	33
7540	99	97	93	86	79	74	65	48	38	34	8080	37	32	32	33	34	34	33	31	30	28
7550	27	18	12	9	6	5	0	-4	-4	-4	8090	20	19	18	16	14	10	7	5	6	9
7560	-5	-7	-7	-7	-7	-11	-19	-26	-35	-46	8100	11	11	11	14	14	14	14	14	15	17
7570	-59	-68	-84	-96	-111	-122	-133	-131	-133	-134	8110	18	18	18	17	4	-1	-4	-11	-17	-17
7580	-134	-133	-131	-131	-131	-131	-132	-132	-128	-121	8120	19	18	15	15	-15	-18	-17	-17	-19	-19
7590	-116	-109	-105	-104	-100	-98	-98	-96	-95	-93	8130	-19	-18	-17	-16	-15	-15	-12	-9	-8	-5
7600	-71	-89	-87	-85	-83	-78	-73	-63	-63	-67	8140	5	-6	-6	-1	-1	-3	-3	-3	-3	-5
7610	-44	-58	-44	0	14	24	34	45	56	67	8150	-8	-8	-8	-8	-1	0	4	4	5	8
7620	78	87	95	107	119	127	133	141	147	152	8160	13	12	13	12	15	11	8	2	-2	-4
7630	152	152	151	148	141	131	125	117	107	107	8170	-8	-15	-22	-25	-27	-29	-30	-33	-33	-33
7640	99	90	82	76	74	74	75	79	84	89	8180	-32	-26	-23	-20	-18	-18	-18	-19	-24	-24
7650	90	91	91	90	88	83	72	69	64	57	8190	-34	-23	-25	-27	-29	-31	-31	-31	-31	-31
7660	43	34	20	7	1	-10	-22	-31	-37	-41	8200	-31	-22	-19	-17	-14	-13	-12	-12	-14	-16
7670	-46	-66	-66	-69	-54	-56	-66	-75	-83	-82	8210	41	39	38	36	38	37	35	34	36	37
7680	-82	-88	-91	-92	-93	-89	-89	-89	-89	-89	8220	41	44	48	53	56	58	58	62	65	66
7690	-99	-96	-92	-90	-83	-77	-72	-66	-58	-54	8230	67	66	65	62	61	61	51	43	40	35
7700	-54	-54	-52	-48	-46	-42	-40	-38	-32	-29	8240	26	21	19	17	15	13	9	6	5	4
7710	-24	-19	-15	-10	-3	5	9	13	23	29	8250	0	-1	-2	-3	-3	-3	-5	-6	-6	-6
7720	30	31	37	33	33	31	30	30	26	23	8260	-6	-6	-6	-6	-6	-8	-8	-10	-11	-12
7730	23	24	24	19	18	18	17	15	14	15	8270	-19	-19	-19	-17	-14	-13	-12	-12	-12	-14
7740	17	18	20	20	20	19	16	11	9	7	8280	-17	-17	-17	-18	-21	-25	-30	-38	-45	-50
7750	6	6	6	8	12	14	14	13	11	10	8290	-53	-54	-52	-46	-42	-37	-30	-21	-13	-8
7760	10	7	6	2	0	0	-2	-6	-9	-12	8300	-4	0	5	8	9	9	11	12	12	12
7770	-15	-17	-19	-21	-21	-21	-21	-21	-21	-21	8310	11	11	11	11	14	16	19	22	25	27
7780	-20	-19	-17	-13	-9	-4	0	3	7	12	8320	29	34	39	42	42	41	40	38	37	37
7790	18	25	30	36	42	49	56	60	64	67	8330	37	36	35	35	35	35	35	35	35	35
7800	71	74	72	69	66	63	59	56	54	53	8340	35	34	34	33	32	32	32	32	32	32
7810	52	49	46	45	43	43	44	45	48	53	8350	35	35	35	34	33	32	32	31	28	24
7820	60	67	71	75	78	80	81	82	81	77	8360	21	17	13	12	7	3	-1	-10	-16	-25
7830	69	60	54	47	36	22	15	6	-4	-12	8370	-32	-46	-46	-49	-53	-54	-54	-54	-54	-58
7840	-16	-20	-21	-21	-19	-18	-17	-10	-5	-4	8380	-60	-60	-60	-58	-55	-51	-43	-38	-36	-35
7850	-4	-4	-3	-3	-4	-8	-10	-13	-15	-16	8390	-32	-31	-32	-37	-41	-47	-50	-55	-57	-62
7860	-19	-25	-31	-33	-37	-42	-50	-56	-62	-66	8400	-69	-73	-79	-81	-78	-71	-73	-73	-64	-60
7870	-69	-73	-77	-78	-79	-79	-81	-81	-82	-79	8410	-52	-48	-41	-37	-33	-30	-27	-27	-27	-27
7880	-74	-74	-72	-68	-67	-68	-70	-69	-69	-70	8420	-23	-21	-24	-24	-24	-24	-24	-24	-24	-24
7890	-69	-69	-70	-68	-63	-63	-61	-57	-56	-54	8430	14	20	24	27	29	30	30	30	30	30
7900	-48	-47	-45	-36	-37	-31	-26	-22	-18	-14	8440	28	30	34	36	38	39	44	44	46	46
7910	-10	-8	-5	-3	-1	-2	-1	-1	-1	-1	8450	48	49	51	53	55	57	57	58	58	59
7920	-1	-1	-4	-3	-1	1	7	14	15	17	8460	58	59	59	59	62	62	62	62	62	63
7930	24	29	29	29	29	29	32	31	31	30	8470	63	63	62	62	60	56	55	53	46	39
7940	30	30	31	32	33	33	33	33	33	34	8480	30	22	11	2	-7	-16	-19	-27	-33	-38
7950	39	41	42	43	43	44	47	47	47	46	8490	-30	-51	-50	-51	-50	-49	-49	-48	-47	-44
7960	42	41	39	39	39	42	44	47	47	49	8500	-49	-50	-53	-57	-60	-61	-62	-64	-65	-68
7970	53	54	54	56	56	56	56	56	56	57	8510	-70	-71	-68	-64	-61	-59	-58	-58	-56	-52
7980	57	57	57	54	49	41	33	26	18	5	8520	-51	-49	-45	-40	-34	-29	-21	-13	-8	-6
7990	-2	-11	-21	-31	-38	-43	-46	-46	-46	-45	8530	-3	0	0	0	-1	-1	-1	-1	-4	-7
8000	-44	-42	-39	-37	-39	-42	-46	-54	-58	-60	8540	-7	-8	-10	-10	-8	0	1	7	12	18
8010	-63	-67	-69	-71	-70	-68	-65	-59	-54	-50	8550	27	31	34	37	42	46	47	47	47	47
8020	-48	-42	-36	-28	-27	-20	-19	-19	-18	-18	8560	47	50	54	55	54	51	47	44	44	38
8030	-19	-22	-22	-22	-36	-42	-51	-54	-52	-54	8570	28	24	20	17	14	10	7	5	3	1
8040	-56	-54	-50	-44	-36	-27	-20	-15	-10	-5	8580	0	0	-1	-2	-3	-4	-6	-10	-16	-20

TO BE CONTINUED

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
8590	-24	-26	-30	-35	-42	-46	-49	-51	-56	-60
8600	-62	-65	-66	-66	-66	-66	-66	-66	-64	-63
8610	-59	-56	-54	-53	-50	-49	-46	-46	-45	-45
8620	-42	-38	-38	-38	-37	-36	-36	-33	-31	-26
8630	-21	-16	-8	4	13	22	27	32	34	35
8640	37	37	36	34	32	28	25	27	27	27
8650	27	29	37	51	61	72	77	82	85	87
8660	67	87	86	83	80	77	73	68	64	64
8670	61	61	60	59	56	55	49	44	35	28
8680	23	19	14	10	5	2	2	3	3	3
8690	2	2	3	3	1	-2	-6	-10	-15	-15
8700	-16	-20	-21	-23	-24	-25	-28	-30	-30	-30
8710	-36	-37	-36	-37	-39	-41	-40	-38	-40	-40
8720	-41	-39	-36	-35	-34	-32	-28	-22	-19	-19
8730	-18	-18	-18	-18	-18	-18	-20	-20	-22	-22
8740	-24	-26	-26	-29	-32	-36	-39	-41	-41	-41
8750	-40	-38	-31	-24	-16	-8	-4	0	3	5
8760	6	6	6	5	6	8	8	8	8	10
8770	12	11	12	13	14	16	16	16	16	16
8780	15	14	12	10	10	10	11	13	15	15
8790	18	20	20	19	19	18	17	15	14	13
8800	12	8	5	1	0	-2	-3	-4	-5	-4
8810	-9	-15	-19	-21	-22	-26	-32	-36	-38	-39
8820	-38	-39	-38	-38	-36	-38	-38	-35	-30	-26
8830	-26	-22	-19	-15	-10	-6	-3	-1	0	4
8840	9	13	16	18	20	23	23	23	22	21
8850	20	19	20	19	19	19	19	18	18	18
8860	19	22	27	31	34	37	40	40	41	45
8870	44	45	44	44	45	44	44	44	41	37
8880	35	32	29	26	25	22	19	18	17	15
8890	19	20	21	22	22	22	24	24	24	20
8900	18	16	16	13	12	12	12	12	13	13
8910	14	16	18	18	18	18	18	18	14	9
8920	6	6	6	6	13	15	18	20	24	25
8930	30	33	37	40	41	44	46	51	52	52
8940	52	54	55	54	52	48	40	35	34	29
8950	25	19	15	12	10	7	6	6	6	6
8960	4	3	-1	-9	-12	-17	-25	-26	-29	-33
8970	-37	-43	-49	-50	-52	-52	-52	-52	-52	-52
8980	-51	-50	-50	-51	-51	-51	-50	-48	-47	-45
8990	-46	-47	-46	-45	-43	-40	-39	-40	-40	-40
9000	-41	-45	-47	-48	-47	-46	-46	-46	-46	-46
9010	-47	-47	-47	-47	-46	-46	-46	-45	-44	-43
9020	-41	-41	-37	-30	-29	-30	-24	-18	-16	-14
9030	-11	-8	-3	1	1	1	2	4	7	9
9040	9	10	11	12	12	13	14	14	15	15
9050	15	18	23	26	31	38	43	46	49	52
9060	54	57	58	59	59	53	53	52	51	51
9070	47	45	41	39	37	36	32	27	24	22
9080	21	19	17	15	14	10	9	9	6	4
9090	4	4	3	1	0	-2	-5	-6	-8	-10
9100	-13	-17	-18	-20	-23	-25	-25	-26	-27	-28
9110	-28	-28	-28	-29	-30	-30	-30	-33	-36	-37
9120	-38	-39	-40	-40	-38	-34	-27	-18	-10	-4

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 W25N)

CONTINUED (S-1191 W25N)

CONTINUED (S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
9670	-54	-49	-43	-38	-36	-35	-34	-34	-34	-34	10210	56	56	55	56	56	55	55	55	55	55	
9680	-34	-34	-32	-30	-31	-27	-25	-21	-16	-12	10220	54	50	48	45	41	37	33	30	24	20	20
9690	-6	5	0	5	7	10	12	13	14	14	10230	16	14	12	9	6	4	4	3	3	3	3
9700	14	14	14	15	16	16	16	18	18	19	10240	2	0	1	0	-2	-4	-6	-8	-14	-19	-19
9710	21	21	20	19	18	16	15	13	14	13	10250	-22	-24	-27	-29	-34	-37	-40	-42	-45	-45	-45
9720	12	12	12	13	12	12	10	8	6	3	10260	46	46	47	46	44	42	39	36	35	35	35
9730	-2	-4	-6	-8	-9	-8	-6	-6	-7	-5	10270	-34	-31	-30	-27	-26	-25	-22	-19	-17	-14	-14
9740	-4	-3	-3	-3	-3	-3	-3	-3	-5	-6	10280	-14	-14	-13	-12	-11	-11	-10	-8	-7	-7	-7
9750	-8	-11	-11	-11	-12	-11	-9	-6	-5	-5	10290	-5	-5	-4	-4	-4	-2	0	1	1	2	2
9760	-3	-2	-2	-2	-5	-7	-8	-7	-8	-8	10300	4	10	15	18	21	25	29	31	34	36	36
9770	-4	-1	0	1	3	4	7	9	10	11	10310	37	37	37	37	37	36	35	32	27	23	23
9780	12	13	13	13	13	14	15	16	17	18	10320	20	16	11	4	0	-1	-3	-5	-6	-7	-7
9790	19	20	22	25	27	30	31	31	31	29	10330	-7	-7	-7	-7	-7	-6	-6	-6	-6	-6	-6
9800	26	24	24	26	25	27	31	34	36	38	10340	-2	-2	-2	-2	-4	-8	-12	-13	-13	-13	-13
9810	40	44	48	49	49	49	49	49	48	48	10350	-13	-14	-13	-14	-14	-15	-17	-19	-20	-19	-19
9820	46	44	43	42	40	39	38	38	38	38	10360	-18	-19	-21	-21	-20	-18	-16	-13	-12	-11	-11
9830	35	29	24	20	15	11	8	2	-1	-3	10370	-11	-10	-9	-6	-3	-1	1	1	1	1	1
9840	-5	-8	-9	-9	-9	-10	-9	-9	-9	-10	10380	8	9	9	9	11	10	9	9	7	7	7
9850	-9	-9	-9	-8	-9	-9	-9	-10	-10	-10	10390	5	4	2	1	4	7	9	11	11	11	11
9860	-10	-10	-10	-10	-10	-11	-14	-14	-15	-17	10400	11	11	13	13	14	12	13	11	8	7	7
9870	-21	-21	-23	-25	-26	-26	-27	-31	-32	-34	10410	1	-1	-2	-5	-5	-9	-10	-10	-10	-10	-10
9880	-37	-36	-36	-36	-36	-35	-35	-35	-29	-26	10420	-10	-9	-9	-8	-9	-9	-9	-9	-9	-9	-9
9890	-24	-20	-16	-10	-7	-3	0	7	11	16	10430	-9	-12	-16	-21	-22	-22	-22	-22	-25	-24	-24
9900	21	26	30	30	30	30	28	27	25	19	10440	-22	-22	-20	-18	-16	-16	-15	-16	-17	-18	-18
9910	15	12	6	3	0	0	-2	-2	-3	-2	10450	-17	-18	-19	-18	-18	-18	-18	-18	-16	-14	-14
9920	-1	0	2	3	0	0	12	14	14	16	10460	-16	-16	-17	-16	-16	-13	-13	-13	-12	-11	-11
9930	18	19	20	20	19	19	18	16	16	14	10470	-10	-10	-9	-10	-11	-11	-7	-6	-2	0	0
9940	12	12	9	8	7	4	0	0	0	-4	10480	4	5	5	6	7	8	8	13	15	19	19
9950	-10	-15	-15	-17	-20	-20	-23	-28	-32	-35	10490	22	24	29	36	41	45	48	53	56	57	57
9960	-37	-40	-43	-43	-43	-43	-43	-43	-43	-43	10500	57	57	59	61	60	59	57	56	54	51	51
9970	-43	-43	-43	-44	-44	-45	-45	-45	-45	-45	10510	50	48	46	44	42	42	41	39	36	36	36
9980	-46	-47	-47	-44	-40	-38	-36	-34	-32	-30	10520	34	32	31	30	28	26	23	20	17	17	17
9990	-27	-24	-22	-20	-18	-16	-12	-10	-10	-10	10530	14	9	7	5	1	-1	-6	-8	-8	-11	-11
10000	-10	-10	-11	-8	-5	-3	-3	-3	-3	-2	10540	-13	-13	-13	-16	-19	-22	-23	-23	-25	-30	-30
10010	1	3	4	5	6	9	12	15	17	20	10550	-35	-39	-43	-47	-51	-54	-56	-57	-57	-57	-57
10020	24	27	27	26	29	30	31	32	33	30	10560	-58	-58	-58	-58	-57	-55	-54	-52	-51	-51	-51
10030	28	27	25	26	26	24	24	23	21	20	10570	-51	-49	-48	-47	-45	-44	-43	-41	-40	-40	-40
10040	19	18	17	16	16	17	17	18	18	16	10580	-39	-38	-38	-38	-37	-36	-35	-32	-31	-30	-29
10050	15	15	13	11	10	9	9	9	9	9	10590	-27	-25	-22	-20	-17	-12	-6	-4	-4	-4	-4
10060	9	9	11	12	13	16	14	10	10	10	10600	0	1	5	7	10	12	16	17	24	25	25
10070	9	8	7	6	3	1	0	-1	-5	-10	10610	27	32	35	37	37	37	37	37	35	32	32
10080	-12	-14	-15	-17	-17	-17	-17	-18	-19	-16	10620	31	29	27	25	24	22	20	19	16	14	14
10090	-12	-11	-10	-7	-3	1	5	8	10	11	10630	12	10	10	10	10	10	10	15	15	13	13
10100	14	15	14	14	15	14	14	14	14	18	10640	9	7	7	7	6	6	6	5	4	4	4
10110	15	14	14	14	15	14	12	10	10	9	10650	2	2	2	2	0	-3	-3	-4	-4	-4	-4
10120	8	10	10	8	8	6	3	2	1	2	10660	-4	-5	-8	-8	-8	-8	-11	-10	-10	-12	-12
10130	1	2	2	2	0	0	-4	-8	-10	-14	10670	-11	-12	-11	-12	-12	-13	-14	-16	-16	-16	-16
10140	-18	-19	-23	-25	-26	-28	-32	-32	-33	-32	10680	-16	-16	-15	-11	-9	-7	-5	-4	-4	-4	-4
10150	-32	-29	-29	-29	-29	-31	-31	-33	-34	-34	10690	1	1	1	0	1	0	-4	-4	-4	-4	-4
10160	-34	-37	-40	-39	-38	-36	-36	-34	-32	-33	10700	-4	-3	-3	-3	-3	-3	-3	0	3	4	4
10170	-32	-31	-26	-24	-19	-17	-17	-12	-11	-6	10710	6	5	5	5	7	8	8	8	8	8	8
10180	-4	-2	2	5	7	11	16	20	27	34	10720	9	7	7	7	6	6	6	9	10	10	10
10190	40	48	54	57	60	66	69	70	70	70	10730	10	10	9	10	10	9	9	7	4	1	1
10200	70	67	68	69	68	66	65	62	60	57	10740	-3	-6	-9	-13	-14	-16	-16	-16	-16	-17	-17

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10750	-17	-13	-8	-4	-1	2	2	3	4	4
10760	4	3	3	2	2	0	0	3	3	3
10770	2	2	1	1	0	11	12	14	16	19
10780	3	4	6	6	10	11	12	14	16	19
10790	21	24	24	24	29	33	34	35	37	39
10800	37	38	40	42	43	43	42	41	41	40
10810	39	35	34	32	31	30	28	27	26	24
10820	22	21	21	19	16	16	14	11	9	7
10830	5	2	1	1	0	0	-5	-5	-6	-6
10840	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6
10850	-7	-10	-13	-20	-23	-27	-31	-33	-34	-34
10860	-37	-39	-39	-39	-39	-39	-39	-39	-39	-39
10870	-33	-30	-29	-26	-22	-19	-16	-14	-9	-6
10880	-5	-2	2	4	8	12	15	18	20	19
10890	21	24	24	23	25	29	30	32	34	35
10900	35	35	36	38	38	38	35	34	31	28
10910	27	28	22	21	19	17	12	10	9	7
10920	3	1	-2	-3	-3	-7	-7	-7	-7	-10
10930	-14	-17	-25	-29	-33	-41	-44	-49	-54	-55
10940	-56	-59	-61	-62	-63	-65	-66	-66	-66	-66
10950	-66	-67	-69	-69	-69	-68	-66	-63	-60	-60
10960	-58	-59	-54	-54	-51	-50	-49	-47	-44	-42
10970	-40	-38	-37	-35	-34	-35	-32	-28	-26	-25
10980	-22	-21	-18	-15	-14	-14	-12	-11	-10	-10
10990	-8	-7	-5	-1	0	2	4	8	13	13
11000	17	19	22	27	32	32	33	36	38	38
11010	38	38	39	39	40	40	39	38	38	38
11020	36	34	34	34	33	33	31	28	26	24
11030	21	16	12	10	7	3	0	0	0	-1
11040	-5	-10	-12	-12	-12	-12	-9	-5	-4	-6
11050	-6	-3	-1	0	0	0	0	1	1	1
11060	1	1	2	2	2	3	4	5	6	7
11070	7	7	9	10	9	10	10	10	12	14
11080	15	15	15	15	14	13	13	13	13	13
11090	13	13	13	13	13	11	7	6	7	6
11100	2	0	-4	-5	-4	-6	-7	-7	-7	-6
11110	-4	-3	0	2	3	5	9	11	14	15
11120	18	19	21	21	22	23	26	26	28	28
11130	28	28	28	28	27	26	25	25	24	23
11140	20	16	15	18	21	22	21	21	19	18
11150	16	16	15	13	12	12	12	11	11	12
11160	14	14	15	19	23	23	23	24	23	23
11170	23	23	22	18	17	13	10	8	3	-3
11180	-3	-7	-6	-11	-13	-14	-13	-14	-14	-14
11190	-14	-14	-11	-10	-9	-7	-7	-6	-5	-3
11200	-2	-2	-2	-2	-3	-6	-6	-6	-6	-6
11210	-6	-6	-6	-5	-5	-5	-5	-5	-5	-5
11220	6	9	12	14	15	18	20	21	22	24
11230	25	26	30	29	29	29	29	28	28	28
11240	23	20	18	16	15	14	12	8	6	2
11250	0	0	-4	-8	-9	-12	-18	-21	-22	-22
11260	-22	-27	-29	-30	-30	-31	-33	-34	-34	-34
11270	-36	-38	-38	-38	-38	-39	-39	-39	-39	-39
11280	-38	-34	-31	-32	-31	-29	-28	-26	-24	-23

TO BE CONTINUED

CONTINUED (S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
11290	-19	-15	-11	-9	-9	-7	-7	-4	-4	-3
11300	8	11	14	16	16	19	0	1	3	6
11310	24	24	24	23	20	17	15	15	14	14
11320	12	11	7	6	5	3	-1	-3	-3	-3
11330	-2	-2	-2	-2	-4	-7	-6	-4	-2	-2
11340	-2	-2	-3	-4	-9	-12	-12	-13	-16	-18
11350	-19	-20	-22	-22	-24	-26	-26	-26	-26	-27
11360	-30	-31	-32	-32	-32	-32	-32	-32	-32	-34
11370	-33	-28	-24	-21	-18	-15	-9	-4	0	2
11380	4	5	9	10	10	11	10	11	12	15
11390	13	9	8	6	6	6	6	6	5	5
11400	5	6	6	6	6	6	6	7	7	7
11410	8	8	8	8	8	8	8	9	10	9
11420	13	14	14	13	14	14	14	14	14	14
11430	-3	-5	-8	-8	-13	-16	-19	-18	-22	-23
11440	-22	-23	-23	-22	-23	-23	-22	-22	-23	-22
11450	-30	-33	-34	-34	-34	-34	-34	-34	-34	-34
11460	-32	-31	-31	-30	-28	-27	-26	-26	-26	-27
11470	-25	-23	-22	-23	-23	-20	-18	-15	-10	-6
11480	-3	3	8	10	11	12	15	17	18	18
11490	19	19	20	20	20	19	18	17	19	20
11500	20	21	21	21	21	21	20	20	16	14
11510	14	14	14	14	14	14	13	12	11	10
11520	10	9	9	8	7	4	1	0	1	0
11530	0	-1	-2	-2	-3	-5	-6	-7	-8	-8
11540	-8	-6	-10	-12	-12	-11	-10	-9	-6	-2
11550	1	4	4	5	9	11	12	12	13	16
11560	18	18	18	18	18	18	17	14	13	13
11570	11	9	9	8	8	7	8	7	8	10
11580	12	14	15	17	18	18	18	18	17	16
11590	15	15	14	13	13	13	13	12	11	9
11600	8	8	8	8	8	8	8	8	8	8
11610	-16	-18	-19	-23	-29	-31	-31	-32	-33	-34
11620	-35	-37	-38	-39	-41	-42	-44	-46	-46	-46
11630	-46	-46	-46	-46	-46	-47	-47	-46	-44	-42
11640	-39	-36	-32	-28	-26	-27	-24	-21	-18	-15
11650	-11	-6	-5	0	0	0	0	6	8	7
11660	14	14	16	17	18	21	21	21	23	26
11670	25	25	25	25	25	25	25	24	24	24
11680	22	24	25	25	24	24	23	20	19	17
11690	16	14	9	7	6	0	-4	-5	-4	-4
11700	16	15	5	5	-2	-3	-3	0	0	2
11710	-5	-5	-5	-3	-2	-3	-7	-9	-10	-12
11720	2	1	0	0	-2	-5	-7	-9	-10	-12
11730	-14	-15	-14	-15	-17	-23	-24	-24	-24	-25
11740	-25	-25	-24	-24	-24	-24	-24	-23	-23	-22
11750	-22	-22	-22	-22	-22	-22	-22	-21	-22	-22
11760	-14	-12	-11	-11	-11	-11	-11	-11	-11	-11
11770	-5	-5	-6	-8	-8	-9	-9	-8	-6	-6
11780	-5	-5	-6	-8	-8	-9	-9	-8	-6	-6
11790	-17	-15	-14	-14	-13	-9	-7	-6	-4	-1
11800	1	4	5	8	11	13	14	15	15	15
11810	16	18	19	19	19	19	19	19	19	19
11820	19	18	17	16	17	16	17	18	17	18

TO BE CONTINUED

CONTINUED(S-1191 W25N)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
11830	21	23	24	24	24	25	25	25	25	25
11840	25	24	24	23	22	20	17	15	15	13
11850	41	40	8	6	4	2	0	-2	-4	-6
11860	-10	-15	-20	-23	-25	-26	-26	-29	-32	-34
11870	-34	-33	-34	-33	-33	-33	-35	-37	-37	-37
11880	-17	-17	-17	-17	-17	-17	-17	-17	-17	-17
11890	-17	-17	-17	-17	-17	-17	-17	-17	-17	-17
11900	-14	-14	-11	-7	-3	-2	-2	-3	-1	-1
11910	0	0	0	2	2	2	2	2	2	4
11920	4	4	4	4	4	4	4	4	4	6
11930	6	6	6	6	7	6	9	9	9	9
11940	5	3	4	1	0	0	-5	-5	-9	-14
11950	-20	-20	-20	-20	-24	-28	-28	-27	-27	-26
11960	-26	-26	-26	-25	-26	-25	-25	-25	-25	-24
11970	-24	-20	-19	-17	-17	-16	-15	-15	-15	-15
11980	-15	-14	-13	-15	-15	-14	-13	-12	-13	-10
11990	-10	-10	-10	-7	-4	0	2	5	9	12

END

RECORD = S-1191 COMPONENT = N25E STATION = ONAHAMA-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 12000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC.
 CONNECTION POINT IN DATA NUMBER= 3001, 6004, 9025, 12000,

CONTINUED(S-1191 N25E)

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

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1171 NZSE)

CONTINUED(S-1191 NZSE)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
1030	-90	-85	-73	-64	-55	-37	-20	-6	0	-1	1570	-295	-260	-235	-213	-193	-178	-175	-190	-216	-234
1040	-5	-10	-21	-28	-24	-12	4	23	32	33	1580	-250	-259	-258	-246	-225	-176	-176	-148	-118	-71
1050	29	31	45	-28	-50	-59	-61	-53	-34	-6	1590	-35	-11	19	52	83	116	147	183	207	220
1060	17	32	45	58	77	104	130	146	155	160	1600	240	271	291	315	333	335	327	308	284	269
1070	161	158	153	140	116	99	85	75	72	70	1610	260	245	226	204	187	160	142	101	87	76
1080	72	69	66	67	62	64	70	70	65	58	1620	87	92	103	120	125	148	176	202	217	214
1090	52	39	24	23	18	6	19	19	33	37	1630	212	198	172	163	158	150	138	107	89	72
1100	30	63	76	103	121	129	135	136	141	141	1640	54	55	64	67	78	85	91	88	78	78
1110	139	136	128	95	69	50	28	27	26	21	1650	51	11	30	-56	-95	-124	-158	-174	-186	-187
1120	11	-1	-1	6	5	13	11	7	7	7	1660	60	11	30	-56	-95	-124	-158	-174	-186	-187
1130	48	-64	-93	-119	-153	-164	-185	-192	-199	-199	1670	148	-13	-47	-70	-96	-129	-147	-163	-176	-212
1140	-201	-192	-180	-125	-115	-98	-88	-91	-95	-95	1680	226	-244	-255	-264	-275	-259	-248	-234	-242	-196
1150	-105	-114	-123	-129	-135	-135	-134	-134	-133	-128	1690	-176	-154	-129	-100	-81	-75	-58	-45	-24	5
1160	-125	-121	-95	-74	-66	-45	-30	-12	11	32	1700	35	63	80	76	57	23	11	0	11	36
1170	52	67	83	101	125	130	121	99	39	-25	1710	88	98	129	146	130	88	35	-6	-46	-75
1180	-45	-86	-118	-124	-122	-98	-73	-40	-29	-1	1720	88	98	129	146	130	88	35	-6	-46	-75
1190	39	67	83	99	111	117	117	113	101	97	1730	-42	-27	-20	2	34	57	80	110	145	169
1200	90	87	71	58	51	44	38	33	32	31	1740	173	171	168	156	122	75	43	23	12	13
1210	29	26	24	18	15	8	-4	-16	-31	-42	1750	18	22	22	22	21	23	28	38	53	67
1220	-46	-53	-68	-77	-83	-88	-91	-93	-95	-98	1760	72	65	48	24	0	-31	-51	-57	-60	-61
1230	-105	-115	-124	-130	-115	-89	-66	-48	-30	-13	1770	-58	-55	-52	-47	-42	-37	-23	-8	49	79
1240	-7	1	23	46	66	74	68	46	20	7	1780	90	84	64	35	5	-24	-23	-6	49	79
1250	-3	-11	-13	-19	-22	-26	-28	-40	-57	-71	1790	-103	-105	-99	-89	-78	-58	-43	-46	-49	-52
1260	-82	-86	-79	-62	-58	-5	35	71	87	116	1800	-48	-32	-5	32	78	117	141	169	196	211
1270	165	196	213	212	197	165	120	74	41	10	1810	215	215	208	192	169	148	133	118	107	81
1280	-32	-56	-62	-61	-60	-60	-60	-58	-56	-50	1820	41	34	14	-9	-24	-43	-58	-65	-70	-71
1290	-40	-28	-17	-15	-26	-34	-47	-54	-56	-54	1830	-4	-56	-45	-55	-81	-119	-171	-231	-266	-276
1300	-35	-8	30	84	128	155	174	184	186	178	1840	-271	-252	-221	-197	-190	-167	-179	-179	-171	-171
1310	160	136	118	102	63	24	-2	-25	-43	-52	1850	-158	-131	-112	-84	-52	-47	-40	-41	-45	-58
1320	-61	-65	-68	-52	-58	-64	-65	-61	-66	-61	1860	-74	-104	-140	-159	-170	-181	-174	-170	-148	-145
1330	-10	29	60	70	106	139	135	130	115	100	1870	-143	-109	-74	-32	-15	0	-5	-20	-37	-48
1340	74	64	18	-1	-13	-24	-26	-23	-23	-20	1880	-31	-53	-20	83	153	189	224	229	226	222
1350	-18	-15	-4	7	31	42	43	41	33	29	1890	216	215	207	194	177	159	137	115	101	90
1360	2	-28	-72	-104	-120	-140	-157	-156	-147	-116	1900	85	85	104	137	175	213	237	261	271	260
1370	-89	-63	-49	-35	-4	12	29	36	43	41	1910	224	168	123	85	49	17	6	4	32	83
1380	39	36	32	29	20	11	6	-12	-39	-56	1920	139	163	191	201	214	230	236	233	216	183
1390	-66	-70	-72	-71	-71	-77	-72	-63	-56	-61	1930	165	144	113	87	67	63	64	63	56	47
1400	-67	-79	-83	-62	-32	0	30	35	39	52	1940	34	6	-16	-61	-54	-63	-61	-59	-28	12
1410	56	31	11	-5	-12	-20	-21	1	20	23	1950	31	34	29	6	-29	-55	-82	-88	-88	-88
1420	32	43	49	55	55	53	45	36	22	11	1960	-89	-81	-74	-59	-86	-102	-115	-130	-154	-191
1430	2	0	-6	-15	-18	-26	-37	-48	-54	-64	1970	-289	-283	-303	-330	-355	-360	-364	-360	-359	-359
1440	-79	-94	-105	-116	-127	-117	-103	-93	-82	-84	1980	-350	-333	-317	-306	-287	-225	-193	-167	-139	-107
1450	-98	-102	-106	-110	-105	-100	-87	-78	-71	-64	1990	-78	-64	-53	-54	-68	-103	-139	-182	-237	-284
1460	-55	-45	-47	-54	-65	-73	-80	-75	-58	-31	2000	-298	-291	-269	-227	-176	-108	-50	-17	-5	1
1470	-5	13	36	50	61	74	87	92	92	90	2010	3	-4	-11	-14	-12	-10	-10	-10	-8	-3
1480	87	79	75	84	93	106	132	132	167	163	2020	10	36	53	66	99	171	236	276	317	352
1490	195	170	174	153	117	71	35	22	20	31	2030	364	380	395	401	402	393	380	364	342	324
1500	53	66	79	97	127	176	199	195	170	135	2040	316	311	308	300	294	285	280	276	268	259
1510	89	53	41	39	42	44	49	58	62	64	2050	257	266	275	278	276	263	246	226	200	175
1520	68	74	81	88	95	102	111	121	123	120	2060	156	149	134	105	60	-13	-85	-124	-157	-165
1530	110	90	56	8	-42	-85	-122	-161	-194	-218	2070	-151	-124	-92	-69	-6	21	34	32	24	3
1540	-236	-242	-240	-229	-211	-184	-148	-75	31	111	2080	-20	-31	-62	-120	-179	-246	-311	-358	-361	-366
1550	174	230	253	243	203	145	73	-27	-139	-224	2090	-365	-335	-316	-301	-278	-243	-215	-194	-183	-176
1560	-278	-333	-350	-377	-388	-381	-373	-370	-344	-320	2100	-173	-171	-168	-165	-161	-158	-157	-154	-152	-145

TO BE CONTINUED

TO BE CONTINUED

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
2110	-139	-119	-88	-57	-19	34	131	186	243	273											
2120	265	220	167	108	85	74	69	60	44	13											
2130	-31	-79	-111	-146	-179	-184	-186	-155	-103	-87											
2140	-54	-8	80	123	159	177	225	281	323	340											
2150	366	363	343	296	270	257	216	181	142	97											
2160	53	27	-8	-57	-77	-153	-201	-222	-236	-254											
2170	-275	-264	-288	-291	-286	-206	-206	-133	-89	-50											
2180	-5	56	94	129	135	133	128	124	123	128											
2190	137	156	179	188	187	180	188	158	146	133											
2200	143	96	69	46	11	-70	-188	-243	-291	-302											
2210	-283	-243	-202	-180	-161	-153	-132	-88	-22	27											
2220	78	111	130	153	169	176	181	190	205	222											
2230	236	246	232	200	165	150	132	98	75	35											
2240	-4	-39	-60	-69	-76	-78	-78	-80	-83	-88											
2250	-89	-101	-119	-135	-152	-171	-184	-188	-178	-178											
2260	-161	-125	-60	-9	11	20	16	-4	-37	-45											
2270	-45	-27	11	74	128	164	203	227	233	231											
2280	215	179	118	54	11	-13	-57	-137	-201	-238											
2290	-317	-350	-364	-359	-343	-318	-282	-227	-170	-171											
2300	-59	-5	20	42	55	61	64	63	56	40											
2310	17	2	-6	-17	-22	-37	-55	-72	-84	-76											
2320	-50	-7	72	135	139	125	86	20	-59	-44											
2330	-66	-89	-99	-109	-123	-133	-145	-154	-160	-150											
2340	-121	-72	-17	39	106	126	132	114	123	109											
2350	-100	82	40	-21	-66	-106	-125	-112	-81	-45											
2360	-48	5	35	97	121	125	118	103	93	72											
2370	36	5	3	18	38	74	118	166	211	221											
2380	208	186	157	136	120	109	104	102	94	90											
2390	57	40	34	28	38	72	107	154	183	186											
2400	160	140	123	99	74	58	43	47	57	61											
2410	65	72	79	88	89	89	87	84	80	73											
2420	57	22	-22	-27	-54	-69	-100	-119	-122	-160											
2430	-161	-191	-214	-242	-272	-298	-317	-334	-331	-373											
2440	-286	-249	-195	-139	-68	-19	16	54	68	70											
2450	62	59	51	33	14	-7	-30	-51	-79	-92											
2460	-94	-92	-86	-84	-87	-92	-99	-101	-92	-80											
2470	-73	-78	-94	-112	-126	-134	-135	-128	-95	-54											
2480	-4	65	143	229	279	324	358	378	401	433											
2490	457	480	508	534	536	514	484	436	375	324											
2500	252	196	130	71	20	-34	-76	-107	-154	-209											
2510	-269	-338	-396	-423	-439	-436	-407	-380	-352	-309											
2520	-256	-190	-129	-75	-22	30	79	110	132	157											
2530	175	183	185	177	152	112	79	49	8	-44											
2540	-115	-164	-190	-214	-231	-260	-293	-327	-366	-400											
2550	-435	-467	-480	-471	-446	-409	-367	-333	-290	-232											
2560	-163	-97	57	106	114	120	123	122	115	96											
2570	80	95	106	114	120	123	122	115	96	66											
2580	45	31	21	13	2	-6	-2	15	33	45											
2590	50	59	67	73	91	117	144	174	204	234											
2600	266	292	315	332	335	332	330	324	321	321											
2610	312	288	274	269	268	276	282	284	277	259											
2620	229	185	108	74	3	-16	-25	-23	-20	-20											
2630	-15	-12	-10	-5	-4	7	42	78	110	129											
2640	112	91	58	6	-49	-80	-114	-158	-190	-199											

CONTINUED(S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	16	30	23	-7	-25	-47	-84	-122	-147	-156
3200	-157	-144	-111	-66	-21	14	38	55	60	57
3210	50	40	33	24	23	26	30	34	31	24
3220	17	0	-23	-53	-77	-94	-107	-117	-115	-103
3230	-87	-76	-72	-68	-68	-72	-75	-74	-69	-55
3240	-33	-19	-17	-19	-22	-26	-29	-27	-18	-1
3250	10	18	26	33	40	49	61	77	96	117
3260	137	155	169	181	197	213	230	245	261	276
3270	290	295	294	288	281	270	248	218	176	138
3280	118	110	106	105	100	87	68	49	37	33
3290	27	17	4	-15	-44	-80	-106	-121	-128	-126
3300	-106	-76	-56	-40	-21	-6	-1	-5	-15	-35
3310	-50	-59	-65	-65	-61	-61	-65	-68	-69	-74
3320	-83	-94	-106	-114	-124	-128	-124	-120	-126	-138
3330	-149	-164	-179	-196	-211	-224	-232	-235	-226	-207
3340	-183	-156	-118	-80	-51	-28	-7	15	29	37
3350	33	24	15	7	0	-8	-17	-25	-24	-12
3360	8	21	42	57	83	90	94	90	81	71
3370	64	55	43	31	22	24	36	48	69	98
3380	128	156	171	172	167	149	124	118	112	107
3390	98	87	69	62	7	-22	-48	-64	-70	-68
3400	-61	-34	9	26	41	51	58	63	71	84
3410	106	113	129	141	142	140	138	105	81	54
3420	21	-8	-34	-62	-72	-82	-91	-99	-106	-121
3430	-137	-155	-163	-170	-178	-186	-193	-193	-183	-167
3440	-143	-103	-64	-37	-25	-17	-7	-11	-22	-36
3450	-53	-73	-82	-90	-91	-90	-87	-80	-71	-50
3460	-17	10	37	70	94	118	139	150	158	162
3470	157	144	129	114	105	102	108	121	130	137
3480	143	148	149	147	146	148	148	153	173	198
3490	224	240	247	247	237	223	211	198	183	165
3500	142	106	75	52	35	12	-13	-24	-36	-42
3510	-28	-1	22	39	52	63	69	68	64	59
3520	55	53	51	46	34	12	-10	-36	-62	-80
3530	-95	-103	-108	-111	-111	-112	-119	-138	-165	-191
3540	-208	-218	-224	-230	-234	-237	-244	-255	-269	-284
3550	-299	-310	-315	-312	-296	-279	-245	-200	-159	-115
3560	-74	-31	15	58	94	111	119	114	90	55
3570	17	-15	-48	-79	-102	-102	-94	-72	-45	-20
3580	101	41	77	104	113	118	125	127	123	114
3590	101	80	52	22	-8	-43	-75	-100	-123	-139
3600	-150	-149	-140	-121	-98	-64	-30	13	87	137
3610	178	211	223	227	221	197	162	138	110	79
3620	51	38	32	29	28	29	31	34	30	37
3630	42	41	39	37	32	21	8	0	-6	-14
3640	-16	-15	-6	4	21	34	42	69	106	131
3650	139	149	165	172	183	194	204	205	203	181
3660	168	138	104	73	55	46	44	39	31	30
3670	22	4	-14	-25	-42	-50	-57	-54	-39	-22
3680	-5	2	17	21	16	0	-11	-21	-31	-41
3690	-47	-54	-78	-112	-143	-171	-198	-217	-226	-224
3700	-211	-188	-172	-151	-133	-124	-126	-135	-145	-152
3710	-157	-158	-158	-156	-152	-140	-132	-108	-63	-33
3720	-10	25	63	95	121	140	150	134	98	57

TO BE CONTINUED

CONTINUED(S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3730	6	24	-42	-51	-48	-37	-16	9	33	56
3740	71	79	86	90	83	94	92	91	88	84
3750	83	85	89	96	109	118	125	132	136	137
3760	135	130	123	119	114	109	101	91	75	49
3770	23	2	-15	-30	-45	-58	-58	-45	-29	-6
3780	17	42	70	94	120	136	145	143	125	99
3790	75	52	30	12	-3	-15	-12	0	12	28
3800	44	55	68	74	66	50	30	14	2	30
3810	-7	-11	-14	-18	-20	-20	-20	-23	-30	-30
3820	-40	-51	-59	-65	-65	-64	-61	-56	-51	-47
3830	-44	-39	-37	-34	-33	-28	-24	-20	-21	-22
3840	-25	-29	-33	-38	-40	-39	-34	-29	-16	-2
3850	14	17	9	-12	-40	-103	-132	-144	-159	-159
3860	-167	-172	-180	-189	-193	-191	-183	-166	-145	-125
3870	-109	-96	-88	-82	-77	-74	-76	-76	-74	-69
3880	-53	-30	-9	13	35	59	68	82	80	77
3890	66	60	49	41	39	32	27	27	25	26
3900	25	25	21	19	21	24	34	45	54	65
3910	70	79	94	107	110	115	120	124	133	145
3920	149	172	184	196	204	201	189	168	151	134
3930	121	113	107	104	107	110	116	123	122	120
3940	118	108	97	96	93	85	80	68	51	13
3950	-27	-63	-90	-116	-131	-137	-137	-129	-113	-97
3960	-84	-71	-63	-59	-58	-68	-82	-94	-104	-112
3970	-117	-128	-136	-142	-149	-155	-148	-138	-129	-121
3980	-100	-81	-67	-49	-42	-42	-40	-38	-33	-24
3990	-15	-2	9	17	26	32	32	31	32	35
4000	38	41	43	41	38	31	22	17	8	-3
4010	-11	-15	-18	-20	-18	-16	-16	-16	-16	-16
4020	21	33	47	60	70	78	76	70	62	49
4030	32	14	-7	-34	-43	-91	-116	-135	-150	-171
4040	-196	-217	-231	-241	-246	-246	-243	-238	-225	-202
4050	-173	-148	-121	-94	-72	-55	-42	-27	-13	-3
4060	5	18	32	47	67	86	103	115	118	113
4070	103	90	78	73	66	61	59	56	55	51
4080	48	47	47	45	45	46	47	46	42	25
4090	-2	-32	-51	-69	-81	-89	-87	-78	-58	-42
4100	-14	36	86	110	118	128	129	128	126	126
4110	122	112	93	68	53	48	25	7	-4	-12
4120	-15	-13	-11	-9	-16	-27	-35	-49	-63	-85
4130	-70	-69	-67	-64	-55	-45	-43	-35	-24	-9
4140	-1	16	24	23	25	26	33	42	53	62
4150	67	71	66	57	42	25	22	-1	-21	-39
4160	-45	-52	-55	-57	-59	-60	-60	-53	-48	-40
4170	-38	-27	-20	-19	-6	10	21	35	50	58
4180	63	66	64	60	45	36	30	29	31	30
4190	28	21	6	-6	-19	-27	-31	-37	-39	-36
4200	-32	-26	-25	-34	-53	-64	-78	-97	-109	-116
4210	118	118	101	76	-47	-23	4	25	45	64
4220	84	102	109	109	108	105	104	102	98	94
4230	89	85	79	73	67	59	49	35	22	10
4240	4	4	2	1	3	6	10	12	17	22
4250	29	40	57	78	106	130	149	164	167	163
4260	154	139	122	102	83	76	75	77	81	85

TO BE CONTINUED

CONTINUED (S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	89	89	85	75	60	39	17	-5	-28	-44
4280	-52	-59	-65	-71	-78	-86	-95	-104	-109	-110
4290	-110	-110	-111	-116	-121	-120	-121	-119	-111	-97
4300	-78	-54	-28	-3	21	35	43	52	59	60
4310	56	44	30	24	24	28	34	38	42	46
4320	51	57	62	58	49	34	21	9	-4	-22
4330	-37	-47	-57	-62	-70	-73	-73	-76	-84	-98
4340	-113	-123	-132	-136	-139	-139	-138	-137	-134	-133
4350	-130	-126	-119	-106	-88	-75	-68	-54	-31	-24
4360	-18	-13	-11	-10	-8	-8	-7	5	2	9
4370	14	17	19	18	12	-2	-24	-43	-60	-71
4380	-86	-100	-106	-104	-100	-94	-85	-77	-54	-25
4390	5	35	69	104	142	167	182	191	188	177
4400	157	136	113	96	65	35	2	-18	-28	-32
4410	44	10	-38	-28	-20	11	39	63	81	105
4420	122	122	120	118	117	114	109	104	84	78
4430	71	66	60	54	47	49	54	59	64	71
4440	73	71	61	47	28	9	-29	-48	-66	-80
4450	-94	-107	-113	-118	-125	-134	-139	-142	-142	-136
4460	-126	-115	-97	-79	-70	-67	-63	-62	-61	-61
4470	-61	-61	-60	-61	-58	-52	-47	-39	-31	-13
4480	2	16	24	47	65	82	91	100	102	99
4490	90	82	67	39	12	-21	-44	-63	-92	-113
4500	-125	-131	-132	-130	-125	-120	-114	-109	-104	-96
4510	-83	-68	-51	-39	-32	-23	-16	-16	-18	-22
4520	-27	-36	-45	-49	-44	-37	-28	-18	-13	-10
4530	-6	-2	8	20	28	33	35	37	35	30
4540	31	28	28	30	33	38	47	60	75	94
4550	108	122	129	130	128	122	117	113	107	103
4560	96	84	69	60	53	47	46	46	50	54
4570	58	62	65	61	52	39	24	14	8	4
4580	-1	-6	-8	-7	-6	-3	3	8	13	17
4590	23	25	21	15	7	0	-4	-8	-12	-16
4600	-17	-19	-22	-22	-22	-20	-15	-6	7	22
4610	35	49	70	83	90	96	94	90	85	77
4620	76	68	59	51	40	38	35	29	24	19
4630	16	9	4	-4	-15	-26	-33	-36	-46	-56
4640	-61	-74	-80	-84	-94	-106	-119	-129	-138	-142
4650	-139	-136	-122	-107	-97	-84	-73	-61	-53	-58
4660	-76	-87	-100	-110	-130	-134	-139	-146	-149	-151
4670	-155	-157	-159	-162	-165	-165	-171	-171	-163	-163
4680	-163	-166	-176	-176	-173	-172	-166	-166	-156	-137
4690	-112	-85	-55	-21	0	24	41	65	99	133
4700	189	221	249	275	290	297	306	314	310	307
4710	303	294	284	271	266	257	252	246	229	211
4720	203	188	173	159	146	135	125	113	103	92
4730	82	78	77	72	65	63	64	64	64	64
4740	62	57	48	42	36	24	16	11	5	0
4750	-7	-11	-21	-35	-49	-61	-72	-78	-80	-79
4760	-77	-76	-70	-61	-51	-39	-31	-25	-25	-30
4770	-37	-54	-74	-89	-101	-112	-119	-120	-118	-117
4780	-117	-119	-126	-137	-148	-157	-166	-170	-168	-163
4790	-155	-150	-145	-138	-133	-126	-116	-104	-88	-71
4800	-58	-50	-36	-21	-16	-17	-24	-38	-59	-83

TO BE CONTINUED

CONTINUED (S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4810	-98	-102	-102	-102	-101	-96	-90	-86	-77	-70
4820	-65	-59	-51	-44	-44	-32	-13	6	21	33
4830	75	93	110	134	150	177	177	184	186	187
4840	185	180	171	162	152	135	124	111	99	95
4850	92	93	100	117	120	132	142	145	144	142
4860	141	134	118	104	93	76	58	35	16	0
4870	-19	-34	-50	-65	-74	-88	-101	-106	-110	-114
4880	-113	-110	-104	-92	-80	-65	-53	-38	-37	-38
4890	-47	-60	-66	-75	-83	-82	-82	-82	-79	-75
4900	-72	-70	-70	-70	-70	-70	-73	-73	-74	-73
4910	-73	-72	-72	-68	-64	-61	-56	-53	-45	-28
4920	107	5	23	41	64	77	82	89	97	101
4930	109	110	114	116	118	119	120	119	113	100
4940	87	72	66	51	11	11	-8	-28	-42	-51
4950	-55	-61	-66	-69	-66	-60	-60	-48	-37	-19
4960	-7	-7	-15	-19	-28	-42	-56	-70	-84	-110
4970	-124	-135	-143	-147	-147	-145	-143	-139	-136	-133
4980	-126	-112	-97	-78	-48	-13	18	40	84	90
4990	110	128	136	141	146	146	142	134	122	107
5000	84	70	59	43	30	23	19	20	19	20
5010	21	24	33	46	54	54	51	47	44	40
5020	37	39	43	46	48	47	45	42	39	35
5030	30	24	20	18	17	18	20	23	23	19
5040	13	6	0	-9	-18	-23	-26	-33	-35	-34
5050	-33	-34	-35	-35	-32	-26	-18	-8	3	12
5060	15	16	17	17	17	15	12	8	5	3
5070	3	2	2	3	6	7	9	11	14	17
5080	19	23	25	31	38	45	49	51	48	44
5090	40	38	35	31	30	34	38	43	48	52
5100	54	51	47	40	32	22	9	-2	-8	-11
5110	-14	-13	-14	-15	-15	-14	-13	-10	-3	0
5120	7	13	17	24	34	40	44	41	32	25
5130	17	12	12	16	-1	-6	-8	-7	-3	2
5140	4	7	14	17	16	12	6	-1	-11	-24
5150	-36	-53	-66	-80	-87	-90	-93	-103	-111	-107
5160	-98	-85	-71	-56	-36	-20	-15	9	12	23
5170	24	24	24	25	25	22	13	-3	-12	-23
5180	33	36	38	42	45	48	60	69	69	67
5190	-63	-57	-47	-36	-27	-20	-15	-12	-12	-12
5200	-11	-7	-5	-4	6	14	18	19	16	12
5210	6	1	-4	-13	-19	-25	-26	-26	-24	-21
5220	-17	-14	-10	-5	0	1	3	1	-1	-3
5230	-7	-15	-21	-26	-29	-33	-36	-37	-37	-35
5240	-32	-29	-23	-18	-15	-10	-7	-7	-7	-7
5250	-6	-5	-1	0	6	16	21	27	31	40
5260	49	51	50	50	50	48	45	45	45	41
5270	36	29	20	10	-2	-17	-26	-32	-33	-31
5280	-26	-19	-13	-9	-6	-7	-12	-18	-20	-25
5290	-39	-27	-25	-23	-20	-16	-19	-22	-25	-30
5300	-31	-29	-26	-21	-16	-9	-3	-1	-1	-1
5310	-2	-8	-9	-1	1	8	16	24	30	39
5320	48	58	70	79	83	82	78	74	68	57
5330	39	22	0	-17	-33	-45	-55	-59	-57	-54
5340	-49	-45	-37	-29	-21	-16	-8	4	19	25

TO BE CONTINUED

CONTINUED(S-1191 NZSE)

CONTINUED(S-1191 NZSE)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	31	41	49	55	62	68	75	83	90	91
5360	89	86	81	72	53	31	16	11	5	1
5370	-1	3	14	22	30	40	48	54	59	63
5380	64	66	70	68	65	62	57	52	40	25
5390	19	15	11	10	10	10	18	19	24	28
5400	38	47	56	63	68	74	83	88	89	91
5410	94	96	99	104	108	111	114	113	113	111
5420	99	84	66	54	35	9	-10	-25	-39	-56
5430	-70	-82	-89	-73	-92	-97	-91	-87	-81	-72
5440	-66	-62	-64	-70	-83	-92	-109	-118	-126	-129
5450	-128	-127	-118	-117	-122	-130	-140	-151	-160	-140
5460	-162	-156	-142	-135	-123	-111	-104	-104	-97	-97
5470	-97	-100	-109	-119	-127	-141	-155	-167	-175	-177
5480	-168	-153	-130	-100	-67	-32	8	64	92	116
5490	138	151	162	170	169	163	157	149	141	133
5500	121	116	112	104	95	85	72	59	44	32
5510	27	25	28	28	30	34	41	48	56	60
5520	57	54	52	51	51	53	53	51	51	51
5530	51	52	53	52	51	48	43	38	33	28
5540	24	18	12	5	-1	-4	-4	-4	-4	-5
5550	-9	-13	-17	-23	-26	-28	-29	-31	-33	-36
5560	-39	-41	-48	-58	-65	-75	-87	-97	-106	-113
5570	-122	-130	-136	-141	-144	-145	-144	-143	-141	-134
5580	-120	-105	-98	-90	-74	-64	-59	-58	-57	-55
5590	-55	-34	-23	-14	-5	-5	-5	-4	-4	-4
5600	-40	-30	-23	-16	2	20	34	45	51	58
5610	62	61	60	57	55	51	48	44	39	33
5620	30	29	26	22	21	20	21	28	39	51
5630	57	67	82	93	101	111	117	120	117	112
5640	105	99	95	90	80	71	65	61	61	61
5650	58	58	61	64	71	71	74	77	71	61
5660	51	39	27	16	13	11	7	2	0	-2
5670	-2	-2	1	1	6	15	21	27	35	41
5680	42	41	37	28	22	12	0	-11	-26	-38
5690	-58	-80	-90	-101	-112	-122	-126	-125	-124	-124
5700	-123	-122	-125	-129	-133	-141	-150	-157	-164	-167
5710	-170	-169	-166	-162	-159	-153	-145	-136	-123	-114
5720	-102	-88	-77	-67	-57	-47	-42	-36	-23	-7
5730	11	27	45	67	97	79	93	95	93	90
5740	62	73	64	58	52	44	41	41	47	56
5750	71	86	98	109	118	122	123	122	114	106
5760	104	100	95	92	92	92	92	91	89	88
5770	86	84	83	86	90	94	93	90	85	80
5780	74	67	64	61	58	58	57	55	54	54
5790	55	56	57	61	68	76	86	95	103	109
5800	112	113	116	117	113	108	97	85	75	66
5810	52	34	16	0	-13	-23	-32	-37	-36	-35
5820	-37	-39	-41	-45	-52	-55	-55	-55	-54	-54
5830	-84	-80	-71	-82	-102	-123	-137	-146	-153	-158
5840	-156	-150	-142	-135	-127	-123	-119	-117	-117	-117
5850	-120	-121	-124	-126	-129	-132	-133	-137	-137	-138
5860	-137	-137	-138	-137	-135	-130	-126	-122	-116	-111
5870	-106	-100	-90	-83	-79	-61	-54	-47	-33	-18
5880	-8	-1	7	11	19	21	23	28	38	43

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 NZSE)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-19	-32	-37	-43	-50	-54	-55	-54	-48	-46
6440	-41	-33	-20	-7	2	14	30	34	25	18
6450	13	6	-2	-11	-19	-27	-30	-31	-26	-25
6460	-23	-18	-12	-9	5	8	11	13	13	13
6478	13	12	8	2	-5	-12	-19	-24	-28	-33
6480	-36	-36	-39	-38	-30	-26	-20	-11	-3	2
6490	6	11	14	15	13	10	2	-4	-7	-11
6500	-15	-17	-14	-3	5	25	33	41	47	44
6510	51	53	53	53	53	52	49	47	46	42
6520	39	34	28	24	20	14	8	5	2	1
6530	4	8	13	17	20	14	7	5	2	1
6540	-1	-9	-18	-26	-34	-43	-50	-55	-58	-58
6550	-57	-51	-40	-30	-18	-6	3	12	20	26
6560	29	28	25	21	16	10	3	-1	-3	-3
6570	-3	-2	-4	-7	-10	-14	-20	-27	-31	-34
6580	-38	-42	-46	-48	-52	-58	-62	-67	-75	-85
6590	-89	-89	-86	-84	-82	-79	-74	-68	-62	-58
6600	-43	-37	-35	-32	-27	-22	-16	-8	0	5
6610	10	14	16	17	16	14	9	6	5	5
6620	1	-2	-2	-2	-2	0	4	8	14	21
6630	28	37	43	45	48	48	47	47	48	48
6640	47	48	51	55	58	61	65	71	78	87
6650	94	102	105	106	106	100	88	75	58	44
6660	21	0	-6	-10	-10	-7	-1	4	5	9
6670	26	38	42	51	57	64	75	85	93	95
6680	92	90	85	78	73	69	53	37	31	23
6690	5	-11	-16	-23	-33	-40	-50	-61	-68	-73
6700	-80	-82	-84	-85	-86	-90	-91	-91	-86	-86
6710	-92	-90	-88	-88	-88	-90	-94	-94	-88	-88
6720	-100	-99	-95	-93	-89	-83	-75	-56	-36	-14
6730	-34	-22	-11	-7	-7	1	15	30	41	48
6740	49	47	45	42	37	34	29	23	15	12
6750	11	10	9	8	8	8	9	11	12	14
6760	19	23	25	25	24	24	25	24	22	20
6770	17	14	14	15	14	13	12	11	10	11
6780	12	12	12	11	11	10	9	8	9	10
6790	11	14	18	21	24	29	33	36	39	44
6800	50	55	58	63	70	77	85	91	93	92
6810	91	94	93	90	85	80	74	64	55	48
6820	48	41	34	28	27	25	23	21	15	8
6830	2	-3	-5	-10	-16	-21	-28	-34	-37	-39
6840	-43	-47	-49	-51	-57	-65	-66	-66	-70	-79
6850	-86	-91	-100	-105	-109	-116	-118	-117	-116	-114
6860	-109	-107	-107	-105	-106	-109	-113	-116	-116	-112
6870	-112	-114	-115	-114	-111	-108	-104	-98	-94	-92
6880	-87	-84	-78	-69	-65	-56	-49	-35	-18	-7
6890	3	10	24	35	45	54	55	58	58	58
6900	58	58	58	57	51	47	44	42	41	38
6910	35	32	33	38	42	48	51	55	58	59
6920	62	66	69	69	72	76	77	80	79	78
6930	71	69	66	62	59	52	44	38	32	29
6940	28	27	29	29	29	32	34	34	34	34
6950	35	35	32	30	26	21	20	18	19	19
6960	17	14	11	5	0	-5	-7	-11	-16	-20

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	-54	-48	-50	-53	-57	-61	-67	-69	-74	-77
7520	-79	-61	-61	-80	-78	-76	-73	-68	-66	-61
7530	-59	-61	-61	-62	-63	-63	-64	-63	-62	-59
7540	-54	-49	-41	-28	-19	0	7	11	19	19
7550	30	39	44	49	51	50	49	48	47	46
7560	67	69	52	54	57	59	62	64	65	67
7570	49	69	67	66	64	60	55	45	37	34
7580	26	23	18	10	6	5	3	1	-3	-6
7590	-7	-12	-18	-19	-21	-21	-21	-20	-18	-16
7600	-13	-14	-14	-13	-15	-19	-22	-23	-27	-28
7610	-28	-29	-33	-38	-38	-38	-38	-35	-31	-26
7620	-20	-12	-6	-5	-5	-6	-6	-5	-4	-4
7630	-2	3	7	18	28	36	45	55	65	79
7640	93	108	113	110	110	109	104	96	85	79
7650	77	70	62	56	54	54	54	54	59	60
7660	56	56	53	49	40	33	27	20	14	9
7670	3	4	-7	-15	-18	-19	-22	-22	-22	-22
7680	-19	-20	-18	-19	-22	-25	-29	-32	-37	-39
7690	-40	-42	-48	-51	-52	-52	-50	-50	-49	-47
7700	-45	-42	-38	-33	-28	-30	-37	-37	-34	-32
7710	-46	-51	-56	-57	-57	-59	-57	-54	-54	-54
7720	-54	-53	-48	-43	-39	-36	-33	-33	-32	-32
7730	-32	-30	-26	-21	-13	-8	-2	3	6	14
7740	18	28	29	29	32	33	33	33	34	34
7750	33	32	31	23	13	10	7	1	-5	-14
7760	-24	-24	-28	-28	-27	-24	-23	-17	-9	-2
7770	4	11	14	15	16	19	22	23	21	17
7780	13	7	3	-1	-7	-11	-13	-14	-17	-18
7790	-18	-15	-17	-21	-22	-26	-32	-35	-37	-38
7800	-38	-37	-36	-34	-31	-26	-22	-19	-15	-10
7810	-7	-1	7	12	19	26	30	36	44	48
7820	48	48	51	53	53	53	54	56	58	61
7830	64	63	63	63	62	60	57	56	50	39
7840	36	32	25	20	15	11	10	12	13	15
7850	17	22	24	24	23	20	21	23	19	16
7860	14	14	14	15	18	21	22	25	26	25
7870	24	20	17	11	10	7	4	1	-2	-5
7880	-3	-5	-3	-1	0	2	3	3	0	0
7890	-6	-1	0	-3	-12	-16	-20	-27	-37	-45
7900	-50	-51	-52	-53	-51	-49	-44	-34	-30	-26
7910	-26	-26	-30	-33	-40	-43	-47	-51	-61	-67
7920	-74	-78	-75	-71	-68	-61	-54	-40	-30	-26
7930	-22	-15	-7	-1	-4	-2	2	2	0	0
7940	-3	-4	-4	-4	-4	-3	-2	-2	0	0
7950	6	10	14	18	21	26	31	34	37	39
7960	39	39	39	39	39	43	50	56	58	59
7970	62	65	70	70	63	55	49	40	32	23
7980	16	8	1	-3	-8	-13	-14	-13	-10	-6
7990	-4	-3	3	8	10	10	13	14	14	14
8000	13	10	8	4	3	3	6	7	7	8
8010	9	9	9	8	6	5	2	-7	-12	-19
8020	-24	-28	-31	-33	-32	-31	-30	-28	-25	-18
8030	-13	-10	-6	-1	4	10	13	14	13	13
8040	13	11	8	4	0	-2	-5	-8	-12	-19

CONTINUED (S-1191 N25E)

CONTINUED (S-1191 N25E)

CONTINUED (S-1191 N25E)

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	
8590	-39	-37	-34	-24	-19	-18	-15	-12	-22	-31	9130	13	12	12	11	10	8	7	7	5	
8600	-34	-37	-40	-41	-42	-46	-45	-42	-41	-42	9140	10	15	17	20	20	21	27	29	29	
8610	-39	-33	-28	-22	-20	20	20	26	29	28	9150	31	34	34	32	30	24	21	21	15	9
8620	26	25	25	24	22	20	20	20	20	21	9160	2	-2	-8	-8	-9	-9	-9	-4	0	0
8630	19	15	8	7	7	3	2	1	0	-6	9170	5	7	9	8	8	8	8	6	4	4
8640	-6	-3	-2	1	2	5	10	10	13	16	9180	1	0	0	0	0	1	1	3	7	9
8650	16	18	18	25	28	31	33	37	32	32	9190	9	14	18	21	21	21	17	13	12	10
8660	32	37	31	23	10	8	3	-2	-2	-18	9200	6	3	-2	-9	-15	-20	-25	-27	-28	-35
8670	-23	-24	-24	-19	-13	-10	-7	0	1	6	9210	-36	-39	-42	-43	-44	-45	-48	-48	-49	-48
8680	8	10	10	10	9	8	8	7	4	3	9220	-48	-48	-48	-48	-48	-48	-48	-46	-45	-45
8690	5	11	15	19	21	32	40	44	49	55	9230	-44	-44	-44	-44	-43	-39	-37	-37	-37	-37
8700	59	61	62	66	69	72	75	77	76	81	9240	-37	-39	-41	-41	-41	-41	-41	-41	-41	-43
8710	83	83	83	83	82	80	76	79	83	83	9250	-42	-39	-37	-37	-36	-33	-27	-22	-16	-9
8720	82	81	80	78	74	73	70	68	66	64	9260	-3	0	0	0	0	0	0	1	1	1
8730	63	62	61	60	58	56	53	49	44	27	9270	1	5	10	16	21	24	30	36	42	49
8740	12	3	-4	-9	-17	-23	-27	-30	-31	-31	9280	56	64	69	73	78	82	83	84	86	86
8750	-31	-31	-31	-31	-31	-34	-34	-34	-36	-38	9290	87	87	87	88	88	91	95	96	96	95
8760	-39	-41	-44	-45	-46	-47	-50	-51	-54	-57	9300	95	97	97	96	93	89	86	82	79	77
8770	-64	-65	-67	-69	-72	-75	-78	-81	-84	-84	9310	77	76	75	73	70	68	67	65	61	56
8780	-88	-92	-93	-92	-90	-86	-83	-81	-80	-81	9320	52	49	44	38	23	15	5	3	0	-3
8790	-82	-84	-87	-88	-84	-77	-71	-63	-57	-55	9330	-4	-4	-4	-8	-15	-16	-18	-22	-26	-32
8800	-55	-55	-53	-49	-44	-42	-39	-37	-31	-23	9340	-38	-44	-44	-51	-58	-62	-68	-72	-77	-81
8810	-17	-9	-1	5	12	19	24	30	46	64	9350	-87	-86	-86	-85	-82	-82	-79	-77	-75	-73
8820	69	67	63	59	54	51	47	44	42	41	9360	-72	-67	-63	-59	-56	-53	-50	-48	-46	-46
8830	38	34	32	30	26	23	20	18	16	16	9370	-46	-44	-41	-38	-38	-35	-35	-35	-32	-29
8840	16	16	15	15	15	15	14	13	9	9	9380	-25	-23	-16	-13	-7	-2	1	7	18	27
8850	9	10	9	9	9	9	9	9	9	10	9390	38	50	59	67	76	79	84	88	89	92
8860	9	10	9	9	9	9	9	10	10	10	9400	97	98	98	96	94	92	90	84	76	68
8870	10	11	11	12	12	13	14	15	16	17	9410	56	48	43	39	35	29	26	23	22	19
8880	17	18	18	19	20	20	22	25	28	32	9420	16	15	15	13	12	10	5	2	2	-1
8890	35	38	46	52	56	64	70	79	84	89	9430	-4	-7	-13	-15	-18	-22	-27	-35	-43	-48
8900	93	92	85	80	72	61	51	41	31	24	9440	-64	-64	-72	-76	-86	-95	-96	-96	-102	-104
8910	17	10	5	0	-3	-3	-5	-4	-4	-3	9450	-104	-103	-98	-96	-92	-90	-87	-86	-86	-86
8920	-2	0	0	0	5	9	13	17	15	17	9460	-85	-84	-78	-74	-67	-60	-55	-48	-41	-35
8930	21	21	20	21	21	20	16	12	9	4	9470	-30	-26	-20	-17	-16	-15	-14	-13	-11	-10
8940	-3	-13	-26	-33	-36	-41	-54	-61	-71	-75	9480	-11	-11	-11	-11	-11	-11	-10	-9	-5	-4
8950	-74	-72	-66	-58	-51	-47	-39	-32	-29	-25	9490	0	5	9	13	16	19	22	24	29	33
8960	-21	-17	-11	-8	-9	-9	-8	-7	-7	-6	9500	33	37	39	41	43	45	48	49	51	52
8970	-4	-1	0	0	1	3	5	8	9	8	9510	54	57	61	63	66	70	73	73	74	74
8980	9	18	23	24	24	26	25	23	23	21	9520	75	75	75	74	73	70	65	61	59	57
8990	20	21	23	24	24	26	27	27	27	30	9530	54	51	48	45	43	40	37	35	36	37
9000	34	39	41	40	41	41	43	42	35	32	9540	36	35	33	30	24	19	16	12	7	1
9010	29	25	22	21	19	18	18	18	13	10	9550	-5	-10	-12	-14	-17	-20	-22	-24	-25	-25
9020	9	9	11	12	12	6	3	4	10	17	9560	-25	-25	-25	-23	-22	-22	-21	-18	-16	-15
9030	22	22	23	22	20	19	16	13	10	6	9570	-16	-16	-16	-16	-17	-19	-17	-15	-14	-14
9040	3	-1	-6	-11	-16	-20	-23	-25	-28	-30	9580	-19	-21	-24	-26	-28	-31	-33	-31	-27	-21
9050	-31	-31	-32	-33	-34	-35	-36	-38	-39	-39	9590	-15	-8	-1	4	11	21	27	33	40	42
9060	-40	-39	-40	-39	-40	-40	-41	-42	-40	-40	9600	44	44	44	45	44	43	39	36	34	31
9070	-39	-38	-35	-32	-31	-32	-32	-32	-32	-32	9610	26	22	18	15	12	10	7	5	3	2
9080	-32	-34	-35	-35	-35	-37	-37	-40	-41	-41	9620	2	0	-1	-3	-5	-7	-8	-10	-10	-9
9090	-40	-40	-39	-39	-37	-35	-35	-34	-31	-29	9630	-11	-15	-18	-19	-19	-17	-16	-17	-18	-18
9100	-23	-14	-10	-5	2	13	20	22	28	32	9640	-23	-26	-25	-23	-21	-20	-19	-19	-24	-25
9110	35	35	36	32	26	21	17	16	12	10	9650	-25	-26	-26	-25	-26	-24	-23	-24	-25	-25
9120	9	10	9	9	10	10	12	13	13	13	9660	-25	-24	-24	-18	-16	-11	-8	-7	-4	-1

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 N25E)												CONTINUED (S-1191 N25E)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
9670	2	7	7	7	10	11	14	15	17	21	10210	42	41	36	33	30	24	21	18	16	14		
9680	21	20	24	25	27	28	30	28	28	27	10220	12	9	7	4	3	3	3	3	3	2		
9690	26	25	24	21	20	18	15	11	8	7	10230	1	1	2	3	3	4	4	4	0	-4		
9700	4	0	0	-2	-3	-4	-4	-3	-2	-2	10240	-7	-10	-14	-18	-22	-25	-29	-32	-35	-38		
9710	-3	-5	-8	-10	-12	-17	-21	-24	-24	-26	10250	-41	-62	-65	-66	-66	-66	-65	-64	-64	-63		
9720	-28	-28	-26	-26	-25	-27	-30	-32	-33	-32	10260	-43	-40	-39	-36	-35	-32	-29	-26	-20	-15		
9730	-30	-26	-22	-19	-17	-18	-18	-15	-11	-7	10270	-14	-14	-11	-8	-5	-3	0	2	3	4		
9740	-6	-7	-9	-11	-16	-20	-24	-29	-33	-37	10280	5	5	6	7	8	10	12	13	12	11		
9750	-40	-40	-40	-39	-37	-33	-31	-29	-27	-24	10290	11	11	11	12	11	10	10	10	10	12		
9760	-24	-21	-18	-15	-16	-20	-21	-21	-21	-21	10300	14	17	21	23	24	26	28	32	34	34		
9770	-22	-23	-24	-24	-25	-26	-26	-26	-26	-26	10310	33	32	33	33	32	30	29	27	26	23		
9780	-29	-28	-26	-23	-18	-14	-10	-4	4	4	10320	21	17	14	8	6	5	2	-1	-4	-5		
9790	8	12	12	13	15	17	19	20	21	21	10330	-9	-14	-19	-19	-19	-21	-22	-22	-22	-23		
9800	21	21	21	21	24	28	29	28	26	26	10340	-23	-23	-25	-28	-30	-29	-31	-34	-36	-37		
9810	24	20	17	14	12	10	8	5	3	1	10350	-37	-37	-37	-37	-36	-34	-33	-32	-31	-29		
9820	1	2	4	6	14	25	28	31	38	41	10360	-23	-20	-19	-9	-6	-2	4	7	11	11		
9830	43	46	48	52	56	58	59	56	51	48	10370	-14	-12	-10	-9	-6	-2	4	7	11	11		
9840	45	42	35	31	26	20	19	18	17	16	10380	11	11	11	13	15	14	15	16	22	25		
9850	14	14	12	11	11	10	7	7	5	6	10390	14	14	15	15	14	15	16	22	25	28		
9860	5	4	3	3	3	4	5	6	5	4	10400	32	37	42	44	46	43	42	48	48	48		
9870	4	3	2	1	0	-4	-6	-9	-11	-11	10410	48	46	45	42	42	43	42	39	37	35		
9880	-12	-15	-15	-15	-15	-15	-15	-16	-20	-22	10420	36	36	36	36	33	33	30	28	26	24		
9890	-22	-26	-28	-24	-21	-16	-14	-10	-5	1	10430	21	18	17	16	14	11	9	7	0	-2		
9900	6	14	18	22	26	28	29	32	30	27	10440	-8	-9	-12	-16	-19	-22	-22	-22	-25	-30		
9910	24	21	20	18	16	10	6	4	1	-1	10450	-35	-35	-37	-39	-39	-41	-41	-41	-41	-41		
9920	-2	-6	-9	-9	-13	-13	-13	-13	-14	-16	10460	-39	-39	-38	-38	-36	-36	-36	-36	-36	-35		
9930	-16	-16	-15	-13	-7	-5	-1	2	7	7	10470	-34	-32	-32	-31	-32	-31	-28	-23	-20	-20		
9940	9	9	7	6	3	3	3	2	0	-1	10480	-16	-13	-10	-5	-3	1	4	8	10	12		
9950	-5	-9	-11	-13	-14	-17	-20	-22	-23	-23	10490	13	17	22	23	23	23	22	22	22	22		
9960	-23	-20	-14	-8	-5	0	4	7	12	18	10500	22	21	20	20	19	19	18	18	19	20		
9970	20	20	23	23	23	26	27	27	27	28	10510	19	18	19	21	20	19	18	17	15	13		
9980	13	11	8	7	11	16	22	25	28	31	10520	12	11	10	8	6	6	5	4	1	-1		
9990	33	33	32	32	37	37	34	29	19	23	10530	-4	-6	-8	-10	-15	-20	-21	-21	-21	-20		
10000	25	24	23	22	20	19	17	16	16	16	10540	-17	-15	-12	-8	-5	-3	-2	-1	0	1		
10010	16	14	12	14	16	16	16	16	16	16	10550	0	-1	-1	-1	-2	-3	-5	-7	-9	-11		
10020	27	26	24	23	19	15	12	9	7	5	10560	-12	-13	-13	-13	-12	-12	-12	-12	-11	-8		
10030	3	2	1	0	0	0	0	0	-1	-2	10570	-4	-2	-1	0	1	1	2	3	3	2		
10040	-3	-3	-3	-4	-5	-8	-9	-9	-8	-9	10580	0	-4	-6	-6	-6	-7	-5	-3	-1	1		
10050	-9	-11	-15	-17	-18	-21	-22	-23	-25	-27	10590	4	7	10	13	14	16	16	17	16	15		
10060	-29	-32	-34	-35	-36	-34	-33	-33	-33	-30	10600	16	16	16	16	14	13	13	12	11	10		
10070	-26	-23	-20	-15	-11	-7	-5	-4	-2	0	10610	8	6	6	5	5	4	2	1	2	3		
10080	2	3	2	2	3	2	0	0	-2	-3	10620	4	5	4	5	4	2	2	1	-1	-2		
10090	-6	-9	-9	-12	-13	-16	-23	-29	-30	-30	10630	-4	-5	-9	-14	-14	-11	-8	-8	-7	-7		
10100	-28	-27	-26	-25	-23	-22	-21	-19	-17	-14	10640	-7	-4	-4	-4	-4	-4	-4	-1	-1	-1		
10110	-13	-11	-8	-4	-1	0	3	5	4	2	10650	0	0	0	0	-1	-1	0	0	0	-1		
10120	0	0	-1	-2	-5	-14	-19	-23	-28	-30	10660	-1	-1	-1	0	-1	-2	-2	-1	1	3		
10130	-32	-36	-34	-34	-32	-31	-30	-27	-24	-22	10670	5	6	9	11	11	11	10	10	9	10		
10140	-19	-12	-10	-9	-9	-9	-9	-5	-2	0	10680	13	15	16	18	19	19	20	20	19	17		
10150	4	3	1	1	0	0	-1	-1	-2	-9	10690	16	18	18	17	13	15	14	13	13	12		
10160	-12	-15	-13	-11	-10	-8	-7	-5	-5	-5	10700	7	4	1	-1	-1	-2	-2	-15	-18	-19		
10170	-5	-5	-8	-7	-6	-6	-6	-4	-2	0	10710	-21	-22	-24	-25	-26	-29	-29	-33	-33	-33		
10180	5	7	8	11	16	20	25	33	38	40	10720	-33	-33	-34	-35	-35	-34	-36	-39	-39	-39		
10190	43	45	45	47	51	54	55	55	56	55	10730	-40	-40	-39	-37	-36	-35	-32	-30	-33	-34		
10200	58	61	61	60	59	58	55	52	48	44	10740	-35	-36	-36	-36	-36	-37	-39	-40	-40	-39		

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 N25E)

CONTINUED(S-1191 N25E)

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)
10750	-37	-36	-34	-32	-30	-27	-25	-23	-21	-13	11290	-29	-27	-26	-25	-24	-21	-20	-21	-22
10760	-7	-6	-5	-1	1	2	3	5	6	9	11300	-23	-23	-22	-23	-24	-27	-27	-31	-34
10770	12	14	15	17	19	20	22	24	26	29	11310	-36	-33	-37	-36	-35	-35	-35	-34	-32
10780	31	33	34	33	34	34	33	32	32	32	11320	-20	-28	-26	-26	-24	-24	-24	-23	-21
10790	31	30	29	27	25	24	24	22	20	17	11330	-21	-21	-19	-17	-16	-16	-16	-16	-16
10800	14	12	11	8	5	1	-2	0	-3	-2	11340	-16	-16	-14	-9	-7	-7	-7	-6	-3
10810	-2	-1	0	0	-4	0	-6	-8	-11	-12	11350	1	2	4	7	11	12	14	14	14
10820	-2	-3	-4	-4	-5	-6	-5	-2	0	0	11360	14	17	21	20	19	17	15	16	18
10830	-11	-9	-8	-6	-6	-7	-9	-10	13	14	11370	17	17	18	16	13	10	11	10	10
10840	1	2	5	7	9	10	11	11	13	14	11380	10	8	8	8	8	8	8	10	12
10850	18	21	24	26	31	33	34	35	36	40	11390	15	17	18	22	24	23	23	23	18
10860	42	47	52	55	55	53	53	52	50	45	11400	20	20	18	21	24	19	17	15	18
10870	38	35	29	23	19	15	12	9	9	8	11410	17	14	15	17	16	16	15	11	10
10880	3	1	-2	-1	0	0	0	0	1	2	11420	17	14	15	17	16	15	15	11	10
10890	6	6	8	8	7	6	3	2	0	-4	11430	3	7	3	3	0	-2	-3	-3	-3
10900	-7	-11	-14	-15	-18	-21	-24	-27	-29	-32	11440	15	16	16	16	14	14	14	13	15
10910	-34	-36	-38	-38	-38	-38	-39	-39	-38	-40	11450	13	4	4	0	0	-1	-1	-1	-1
10920	-42	-42	-41	-40	-39	-37	-37	-37	-37	-37	11460	-1	-1	0	0	-2	-2	-1	-1	-1
10930	-35	-35	-31	-32	-30	-29	-29	-27	-27	-25	11470	-2	-2	-1	-1	-1	-1	-1	-1	-1
10940	-25	-25	-21	-21	-20	-20	-19	-19	-19	-19	11480	-1	-1	-3	-6	-7	-8	-8	-3	-3
10950	-16	-13	-10	-10	-6	-7	-4	-2	-1	0	11490	-15	-16	-15	-12	-12	-8	-13	-14	-15
10960	2	2	3	4	4	6	7	10	13	15	11500	-1	0	0	0	-1	-3	-6	-1	-1
10970	18	19	20	21	23	25	26	27	28	28	11510	1	1	1	1	0	2	4	4	7
10980	28	29	30	30	29	29	29	28	27	27	11520	6	4	4	4	0	1	0	-1	-1
10990	27	27	27	27	28	28	28	29	30	30	11530	-1	-2	-2	-2	-10	-12	-12	-12	-12
10000	32	33	34	33	32	32	31	31	30	29	11540	-12	-14	-14	-16	-17	-20	-22	-23	-23
11010	29	26	21	15	10	7	2	-1	-5	-7	11550	-24	-26	-26	-28	-30	-31	-31	-31	-31
11020	-12	-17	-21	-24	-27	-30	-35	-38	-39	-39	11560	-32	-32	-30	-27	-25	-24	-24	-24	-24
11030	-39	-39	-39	-39	-39	-40	-43	-47	-51	-52	11570	-21	-21	-22	-23	-22	-19	-17	-20	-22
11040	-52	-52	-54	-58	-61	-65	-68	-70	-72	-73	11580	-21	-21	-18	-10	-5	0	1	3	3
11050	-73	-73	-72	-68	-64	-62	-60	-57	-52	-43	11590	5	8	11	14	14	15	16	18	21
11060	-34	-29	-24	-19	-13	-5	0	1	4	7	11600	22	23	22	24	27	29	30	30	30
11070	10	12	14	16	18	20	22	23	25	26	11610	29	30	30	30	31	30	29	28	25
11080	28	30	30	30	31	34	36	37	37	38	11620	21	19	15	12	12	12	11	9	6
11090	38	38	38	38	38	37	37	37	36	36	11630	5	3	3	3	2	2	2	2	3
11100	38	41	40	40	40	40	40	40	38	37	11640	4	5	6	7	8	9	10	9	8
11110	34	32	30	27	23	20	20	19	16	13	11650	7	6	5	5	4	4	4	4	4
11120	10	9	6	4	4	1	0	-1	-2	-2	11660	-4	-7	-8	-11	-13	-17	-19	-21	-23
11130	-3	-10	-14	-18	-20	-21	-23	-26	-29	-33	11670	-25	-28	-25	-24	-22	-19	-14	-7	-6
11140	-37	-40	-43	-44	-46	-42	-38	-37	-36	-33	11680	-5	-3	-3	1	4	6	7	7	7
11150	-26	-22	-11	-8	-8	-4	-4	-4	-4	-3	11690	7	8	7	7	5	6	8	11	11
11160	-4	-4	-7	-8	-12	-17	-19	-19	-22	-23	11700	12	13	15	14	13	14	15	17	16
11170	-22	-22	-27	-27	-25	-20	-18	-17	-16	-11	11710	15	15	15	15	15	15	16	16	16
11180	-11	-6	-3	0	2	7	12	18	23	24	11720	15	15	15	15	15	15	15	15	15
11190	24	23	23	20	19	18	15	13	11	8	11730	15	14	14	14	12	13	13	10	7
11200	6	3	6	7	8	9	11	13	15	15	11740	4	4	1	-1	-4	-5	-5	-5	-7
11210	17	17	19	17	18	19	22	22	23	22	11750	6	4	0	1	3	5	5	5	5
11220	27	27	23	23	23	24	24	23	24	24	11760	7	7	8	10	14	19	20	22	24
11230	25	25	24	27	27	27	27	27	27	27	11770	31	32	32	33	32	31	30	30	29
11240	27	27	27	25	22	19	22	23	24	24	11780	29	28	28	27	29	30	31	31	30
11250	27	30	27	25	25	25	25	25	25	24	11790	30	30	30	30	28	27	26	26	26
11260	20	17	16	15	15	15	12	8	5	4	11800	25	22	20	19	18	14	11	10	8
11270	4	2	-2	-5	-6	-6	-8	-11	-14	-17	11810	5	2	0	-1	-2	-3	-3	-3	-4
11280	-17	-15	-14	-16	-19	-23	-28	-29	-30	-30	11820	-4	-6	-7	-8	-9	-10	-12	-13	-14

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 N25E)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
11830	-16	-17	-18	-21	-21	-20	-19	-19	-18	-18
11840	-17	-16	-14	-13	-10	-10	-10	-9	-8	-8
11850	-8	-8	-8	-8	-8	-10	-12	-15	-18	-20
11860	-22	-24	-25	-24	-22	-20	-18	-16	-15	-11
11870	-11	-12	-13	-15	-16	-17	-18	-18	-20	-22
11880	-25	-27	-28	-30	-30	-30	-30	-29	-29	-29
11890	-29	-30	-30	-30	-29	-28	-28	-27	-27	-28
11900	-29	-29	-29	-29	-27	-27	-28	-27	-24	-23
11910	-25	-24	-26	-25	-26	-26	-24	-24	-21	-20
11920	-20	-17	-13	-13	-13	-10	-10	-9	-9	-8
11930	-4	-4	-2	-2	-1	0	0	0	2	4
11940	5	5	6	7	9	12	15	19	24	26
11950	26	25	25	25	23	23	23	29	27	26
11960	24	22	19	18	16	13	12	10	9	8
11970	9	9	12	12	12	12	12	12	10	10
11980	10	10	9	7	6	3	1	0	-1	-4
11990	-9	-13	-17	-20	-22	-26	-28	-31	-32	-34

END

RECORD = S-1191 COMPONENT = DOWN STATION = OMAHAMA-S
 DATE AND TIME = 1978-06-12-17-14 TOTAL NUMBER OF DATA = 12000
 SAMPLING INTERVAL = 0.010 (SEC) UNIT = 0.1 GAL
 SIGNAL = GR.ACC.
 CONNECTION POINT IN DATA NUMBER= 3010, 6018, 9040,12000,

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	DOWN	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
0	8	9	10	11	12	13	14	15	15	15		-4	0	3	4	4	3	0	-4
10	16	17	18	18	18	18	18	17	17	17		-15	-21	-23	-23	-21	-17	-14	-13
20	17	17	18	19	19	19	19	18	17	15		-8	0	0	0	0	0	8	13
30	13	11	9	7	5	3	1	0	-1	-1		25	31	36	35	33	29	26	26
40	-1	1	4	7	9	10	8	6	3	1		8	-3	-4	-29	-23	-12	-1	6
50	1	1	1	3	8	12	16	17	17	14		7	6	10	15	17	22	18	13
60	11	7	5	4	2	-1	-5	-9	-13	-14		4	5	8	11	9	6	1	-14
70	-14	-14	-11	-6	-1	5	12	12	12	11		-3	4	-9	-20	-33	-47	-59	-54
80	6	4	4	4	6	6	4	3	2	0		-26	-5	5	9	11	7	-5	-16
90	-4	-4	-1	1	1	1	1	1	1	-1		-29	-23	-21	-6	8	17	15	9
100	-4	1	9	14	15	13	11	9	6	6		-2	-26	-27	-16	3	33	63	75
110	5	3	2	2	4	8	8	9	10	9		83	62	33	15	-1	5	11	17
120	10	10	11	7	3	0	-3	0	0	0		24	24	16	-1	-29	-39	-40	-28
130	3	-9	-13	-12	-4	1	1	2	3	4		4	37	51	52	44	26	11	0
140	3	1	1	0	-1	0	4	10	10	10		-28	-24	-15	-9	-5	-1	1	1
150	10	10	15	20	23	22	17	13	9	5		0	-8	-10	-11	-8	13	25	33
160	2	0	-3	-9	-12	-12	-9	-3	0	3		5	-5	-19	-30	-33	-31	-22	-15
170	9	12	12	10	6	6	5	0	-4	-1		7	9	14	15	14	4	-11	-28
180	7	14	23	34	39	41	38	25	5	0		-32	-25	-9	6	15	17	2	-19
190	-33	-36	-36	-32	-26	-17	-15	-10	-8	-5		-71	-71	-59	-46	-34	-17	-2	2
200	-2	-2	-7	-9	-9	-9	-9	-9	-9	-9		-3	-31	-62	-68	-56	-31	-6	-6
210	-2	3	7	8	5	0	-2	-7	-11	-11		8	16	22	16	6	-3	-9	5
220	-10	-9	-8	-6	-6	-4	-2	-1	-5	-2		9	17	28	36	34	12	-6	-13
230	1	4	8	11	15	19	22	22	15	10		-26	-28	-31	-24	-24	-33	-31	-33
240	4	-2	-7	-9	-8	-8	-8	-3	1	9		-34	-33	-26	-9	3	12	24	44
250	16	17	14	9	-3	-18	-23	-17	-10	-2		42	39	35	31	26	25	31	33
260	8	24	32	32	28	22	7	-9	-22	-31		33	35	41	45	50	52	40	16
270	-31	-27	-22	-16	-9	-2	1	-1	-5	-2		-37	-48	-63	-80	-88	-88	-83	-75
280	3	9	8	3	0	-6	-15	-24	-27	-25		-2	19	39	48	48	47	41	29
290	-17	-2	8	14	14	14	12	8	8	8		-7	-36	-58	-67	-61	-41	-25	-14
300	10	14	14	14	13	8	-8	-26	-33	-34		0	5	9	16	21	22	24	28
310	-34	-34	-32	-23	-9	1	3	5	5	6		42	41	36	27	24	18	19	16
320	8	7	8	15	32	45	50	47	39	39		-12	-30	-33	-39	-40	-40	-41	-41
330	21	5	-6	-15	-11	-3	0	1	2	2		-40	-35	-28	-24	-23	-22	-13	-7
340	0	-3	-11	-22	-32	-44	-47	-47	-47	-42		-9	-9	-6	2	0	0	0	0
350	-37	-32	-25	-17	-10	1	9	11	9	4		0	1	8	32	55	54	30	12
360	0	-1	-5	-9	-12	-13	-17	-12	-7	-1		0	4	-8	-13	-10	0	7	13
370	0	3	9	12	13	9	4	6	9	14		31	47	57	59	45	17	-8	-49
380	16	9	6	12	20	27	25	14	3	-6		-50	-47	-35	-25	-14	-4	7	19
390	10	-16	-17	-17	-20	-26	-32	-35	-38	-38		16	15	13	11	10	17	26	30
400	-38	-38	-29	-21	-7	6	9	19	18	18		2	-9	-30	-32	-25	-16	-6	10
410	13	4	-2	-11	-13	-14	-4	4	9	13		47	48	50	47	35	27	20	15
420	14	7	-11	-21	-33	-39	-41	-41	-41	-41		10	11	13	12	9	8	8	14
430	-41	-38	-29	-17	-7	3	12	19	22	27		11	10	11	10	9	8	8	8
440	31	31	29	28	27	27	27	28	26	15		-22	-28	-33	-37	-41	-41	-37	-36
450	6	0	-5	-10	-14	-16	-17	-17	-16	-11		99	98	70	72	52	-1	53	86
460	-8	-6	-5	-6	-8	-10	-10	-4	0	5		8	6	5	5	5	-6	-6	-5
470	11	11	10	11	11	7	0	-7	-8	-6		3	6	6	6	6	1	-11	-27
480	-5	-5	-4	0	7	8	0	-14	-22	-18		-59	-73	-88	-97	-100	-92	-73	-45
												-18	-12	-13	-24	-41	-51	-57	-62
												-90	-29	-17	-8	-3	0	0	-65
												30	51	66	65	55	34	23	-4
												51	66	65	55	43	34	23	15

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1030	12	11	11	18	37	60	72	72	65	48
1040	27	6	-12	-18	-19	-22	-16	-5	2	4
1050	1	-10	-23	-37	-48	-53	-54	-50	-39	-33
1060	-26	4	-17	-13	-20	-36	-43	-44	-37	-15
1070	4	16	20	22	23	21	14	4	-10	-27
1080	-29	-26	-16	-7	5	12	21	31	36	36
1090	38	37	33	29	27	21	23	23	24	25
1100	26	29	28	28	26	25	22	18	18	19
1110	21	26	26	29	20	9	-8	-37	-47	-46
1120	-39	-20	-14	-4	5	19	21	19	-1	-20
1130	24	-25	14	34	46	51	51	51	44	30
1140	15	1	-5	-22	-45	-54	-67	-67	-50	-54
1150	-36	-26	-12	-10	-10	-20	-32	-50	-53	-53
1160	-53	-27	17	55	73	77	82	81	59	17
1170	10	28	11	11	12	37	56	76	82	39
1180	12	11	-50	-52	-92	-47	-38	-33	-18	-2
1190	40	13	13	13	-11	-49	-73	-89	-93	-90
1200	-78	-68	-53	-44	-42	-48	-60	-66	-74	-79
1210	-75	-63	-28	19	43	53	56	56	55	53
1220	53	46	42	42	45	47	47	49	51	50
1230	32	9	-5	-17	-23	-25	-27	-32	-35	-35
1240	-31	-10	-23	-19	-16	-16	-11	-7	-6	-6
1250	-9	-10	-7	-4	-4	-17	-36	-57	-78	-88
1260	-88	-83	-7	-15	-18	7	24	36	46	52
1270	43	14	-15	-31	-43	-53	-58	-52	-36	-7
1280	21	33	37	35	25	14	9	9	7	0
1290	-14	-18	-21	-32	-50	-66	-78	-81	-68	-34
1300	-3	16	28	35	34	30	21	5	-10	-13
1310	-7	9	24	36	41	40	41	41	40	39
1320	34	24	13	-2	-19	-23	-16	-3	28	3
1330	45	59	72	76	69	37	8	-14	-28	-34
1340	-38	-40	-40	-37	-15	14	32	35	33	19
1350	0	-15	-35	-52	-61	-58	-45	-19	0	17
1360	29	39	45	54	63	71	74	81	98	106
1370	103	80	48	29	13	9	12	20	41	59
1380	81	84	81	56	18	-10	-44	-67	-74	-74
1390	-74	-73	-56	-20	-2	9	10	-4	-18	-35
1400	-38	-38	-25	-8	-1	5	13	13	16	15
1410	0	-11	-10	-1	0	5	9	12	13	15
1420	15	10	9	14	0	0	-7	-9	-3	21
1430	39	60	80	93	95	95	73	43	15	1
1440	-19	-44	-60	-82	-97	-103	-113	-131	-153	-171
1450	-173	-173	-159	-159	-142	-127	-98	-70	-57	-52
1460	-51	-51	-51	-55	-56	-51	-43	-28	-13	-6
1470	1	1	2	2	-5	-18	-34	-44	-56	-69
1480	-66	-33	5	43	66	78	83	86	89	78
1490	60	34	4	14	-18	-22	-4	14	27	27
1500	36	40	41	33	4	-32	-60	-77	-82	-82
1510	-71	-45	-25	-4	15	27	34	34	24	9
1520	-1	-6	-8	-10	-13	-17	-16	-2	15	26
1530	36	45	54	67	75	68	53	43	37	39
1540	35	43	68	100	112	113	100	87	28	-8
1550	-32	-41	-50	-55	-54	-47	-35	-28	-21	-15
1560	-11	-9	-11	-18	-23	-26	-27	-23	-15	-12

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2110	171	177	175	155	120	82	63	42	34	36
2120	47	63	80	92	93	92	71	54	38	16
2130	14	15	23	32	51	58	58	37	2	-29
2140	-48	-77	-88	-86	-83	-84	-83	-85	7	28
2150	-89	-86	-83	-80	-70	-63	-41	-17	28	28
2160	34	30	0	-32	-49	-61	-67	-68	-54	-45
2170	30	30	31	-29	-23	-20	-16	-15	-12	-20
2180	-31	-38	-38	-31	-29	-36	-46	-50	-45	-38
2190	-37	-40	-41	-39	-30	-26	-23	-12	-1	9
2200	18	23	30	31	31	27	17	14	23	33
2210	35	36	37	19	-10	-34	-47	-50	49	-34
2220	-25	-15	-3	3	11	19	30	37	48	54
2230	55	47	32	19	11	9	21	52	98	132
2240	163	191	207	213	214	185	135	84	32	-17
2250	-62	-92	-104	-107	-100	-89	-79	-75	-77	-84
2260	-95	-120	-143	-149	-149	-148	-128	-89	-47	-13
2270	5	11	9	8	8	8	9	13	21	26
2280	27	30	32	24	3	-20	-36	-37	-25	5
2290	47	75	80	79	74	70	63	56	53	56
2300	66	70	66	45	23	8	-25	-45	-48	-50
2310	-51	-51	-50	-51	-51	-48	-43	-43	-45	-48
2320	-50	-49	-38	-6	27	58	64	100	106	110
2330	110	98	60	27	7	-29	-42	-53	-58	-52
2340	-26	-16	-5	-3	0	1	3	5	6	9
2350	15	21	30	36	35	17	0	-12	-22	-29
2360	-21	15	51	85	106	112	112	107	88	71
2370	59	33	13	10	10	13	38	57	76	92
2380	93	32	73	48	9	-22	-32	-40	-50	-50
2390	-52	-55	-56	-56	-56	-48	-45	-45	-52	-59
2400	-68	-76	-76	-59	-30	0	17	34	63	89
2410	91	90	60	1	-37	-54	-65	-66	-54	-36
2420	-18	-14	-15	-15	-15	-12	5	12	22	24
2430	22	19	-10	-23	-29	-26	-9	4	4	18
2440	30	50	76	106	113	107	102	95	74	43
2450	1	-33	-59	-86	-103	-119	-121	-118	-114	-110
2460	-107	-73	-32	-4	9	14	12	-3	-18	-28
2470	-32	-32	-15	17	52	81	104	114	116	101
2480	76	34	-13	-59	-87	-105	-112	-106	-82	-68
2490	-19	-2	2	2	3	8	22	37	59	82
2500	92	99	105	110	111	111	99	76	43	10
2510	-19	-42	-55	-72	-86	-91	-89	-81	-72	-68
2520	-60	-52	-49	-43	-30	-3	27	46	56	60
2530	59	40	9	-13	-24	-25	-18	-7	4	21
2540	42	59	69	74	76	76	71	58	43	33
2550	29	29	31	33	33	33	36	40	40	40
2560	40	39	39	42	47	42	29	17	14	20
2570	28	32	36	39	39	36	23	3	-22	-39
2580	-52	-54	-59	-63	-76	-87	-105	-119	-127	-129
2590	-123	-108	-84	-58	-34	-19	-17	-15	-18	-34
2600	-54	-68	-80	-90	-100	-99	-93	-91	-89	-85
2610	-84	-82	-82	-73	-40	-6	14	29	37	43
2620	60	93	98	112	120	129	130	129	128	124
2630	115	110	85	71	52	30	19	14	4	-2
2640	-13	-21	-26	-38	-28	-34	-17	-13	-13	-13

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
3190	16	24	38	55	70	81	101	116	130	135	3730	-87	-77	-65	-55	-45	-34	-24	-16	-8	-1
3200	136	132	116	103	86	69	49	20	-1	-18	3740	0	-1	0	2	6	16	15	-4	17	13
3210	-30	-40	-50	-50	-39	-29	-25	-20	-18	-18	3750	6	1	0	5	12	16	20	25	30	35
3220	-25	-29	-31	-30	-31	-28	-25	-21	-19	-18	3760	34	28	24	21	17	18	28	46	64	80
3230	-22	-22	-14	-9	-5	-2	-1	0	0	-2	3770	96	105	118	123	119	123	113	106	103	106
3240	-6	-12	-15	-16	-23	-36	-42	-43	-44	-43	3780	104	102	105	108	106	108	107	105	102	101
3250	-40	-37	-35	-35	-34	-34	-41	-58	-68	-68	3790	100	96	89	74	62	55	42	13	-26	-47
3260	-71	-73	-70	-79	-87	-97	-109	-118	-121	-121	3800	100	96	89	74	62	55	42	13	-26	-47
3270	-112	-93	-80	-65	-53	-52	-52	-54	-56	-60	3810	-116	-123	-126	-124	-116	-105	-91	-75	-99	-109
3280	-66	-69	-69	-64	-55	-58	-68	-72	-74	-72	3820	-70	-69	-68	-68	-68	-67	-64	-60	-55	-64
3290	-26	-28	-28	-25	-20	-15	-7	6	18	35	3830	-37	-34	-37	-41	-44	-46	-47	-43	-29	-29
3300	46	61	69	70	71	79	70	64	66	70	3840	-12	12	38	56	76	96	113	123	125	123
3310	71	68	69	76	78	79	70	48	28	7	3850	110	90	71	50	37	30	27	26	25	25
3320	-8	-12	-7	-2	5	9	10	5	-6	5	3860	25	25	25	25	25	22	16	10	9	3
3330	-14	-19	-21	-18	-12	-6	-4	3	18	24	3870	-2	-10	-30	-44	-60	-73	-86	-90	-91	-91
3340	34	38	36	33	29	24	24	24	24	24	3880	-81	-76	-74	-70	-68	-65	-61	-57	-47	-33
3350	22	12	5	4	4	5	11	21	41	50	3890	-20	-10	-9	-9	-9	-10	-13	-20	-21	-23
3360	66	80	96	100	102	107	113	118	123	128	3900	-23	-14	-4	3	7	10	13	17	17	19
3370	128	128	113	103	93	87	79	76	68	62	3910	23	40	50	55	58	58	59	59	52	47
3380	53	39	7	-20	-50	-69	-81	-89	-74	-69	3920	35	31	27	21	20	28	37	46	55	65
3390	-58	-63	-31	-23	-15	-10	-4	0	3	5	3930	72	76	81	86	89	96	102	104	108	110
3400	7	10	10	11	10	-19	-71	-81	-103	-123	3940	110	104	90	73	60	48	29	7	-6	-15
3410	-139	-147	-150	-152	-152	-156	-156	-151	-145	-145	3950	-28	-39	-42	-43	-39	-35	-29	-24	-19	-14
3420	-135	-130	-118	-108	-81	-70	-69	-53	-42	-35	3960	-7	-1	2	6	10	10	-3	-22	-47	-75
3430	-27	-19	-16	-16	-13	-13	-13	-13	-12	-12	3970	-102	-113	-119	-121	-119	-118	-118	-115	-112	-110
3440	-12	-11	-11	-10	-7	0	4	15	32	32	3980	-110	-108	-108	-100	-88	-68	-41	-22	-12	-7
3450	45	54	56	56	59	62	61	47	37	30	3990	-5	-1	0	-3	-8	-17	-25	-32	-39	-44
3460	26	28	29	31	36	39	40	40	40	37	4000	-46	-45	-44	-38	-28	-17	4	21	32	42
3470	36	39	47	54	57	57	47	31	16	7	4010	54	59	62	67	71	73	74	74	73	66
3480	5	5	8	16	26	31	33	26	12	-1	4020	60	55	49	43	41	42	43	44	44	46
3490	-14	-22	-25	-19	-11	6	33	56	78	101	4030	48	49	47	36	21	11	-1	-13	-17	-17
3500	117	125	128	120	104	87	71	58	45	30	4040	-14	-8	-1	7	14	17	17	20	23	23
3510	22	18	12	7	4	0	-2	-12	-26	-37	4050	23	19	10	0	-11	-24	-40	-57	-68	-74
3520	-55	-68	-72	-73	-72	-69	-62	-56	-50	-40	4060	-77	-81	-80	-75	-69	-62	-53	-38	-20	-8
3530	-30	-25	-20	-11	-5	-2	-2	-7	-23	-40	4070	0	8	17	17	17	18	18	19	22	24
3540	-48	-54	-57	-53	-46	-40	-31	-18	-14	-18	4080	28	30	34	38	40	40	40	37	33	25
3550	-35	-37	-38	-35	-33	-33	-33	-33	-34	-34	4090	17	13	13	13	14	14	14	13	12	4
3560	-80	-71	-63	-57	-54	-54	-54	-54	-54	-54	4100	-10	-24	-32	-38	-44	-44	-43	-37	-35	-34
3570	-34	-34	-31	-22	-15	-7	18	21	24	24	4110	-33	-37	-37	-39	-44	-44	-43	-37	-35	-34
3580	30	40	55	78	88	95	101	103	105	105	4120	-116	-110	-106	-101	-97	-92	-84	-72	-56	-48
3590	95	83	69	54	42	30	19	13	5	0	4130	-43	-36	-36	-36	-34	-34	-34	-31	-22	-5
3600	-3	-10	-20	-24	-43	-63	-79	-93	-97	-100	4140	0	7	16	24	27	27	30	43	44	51
3610	-101	-101	-99	-93	-90	-83	-79	-72	-64	-47	4150	55	67	73	73	73	79	82	82	82	82
3620	-38	-38	-38	-31	-22	-17	-13	-11	-2	-1	4160	83	83	83	83	83	81	80	80	81	75
3630	11	18	28	37	50	68	85	93	94	97	4170	74	66	64	61	53	42	29	24	20	20
3640	100	102	109	113	118	125	132	134	134	120	4180	18	8	7	6	6	12	16	23	29	32
3650	95	79	68	47	27	8	-5	-15	-27	-33	4190	40	59	67	76	79	82	85	86	79	68
3660	-37	-38	-38	-45	-40	-38	-39	-41	-45	-53	4200	59	50	37	18	1	-3	-5	-9	-15	-19
3670	-51	-48	-46	-36	-24	-11	6	16	24	28	4210	-20	-20	-22	-22	-32	-41	-48	-52	-52	-49
3680	28	28	25	17	17	20	26	32	34	37	4220	-43	-37	-31	-30	-40	-57	-68	-77	-87	-94
3690	78	75	78	78	78	78	78	78	78	69	4230	-96	-96	-92	-80	-71	-61	-54	-47	-42	-36
3700	49	42	28	19	10	-7	-18	-27	-36	-47	4240	-29	-19	-5	6	17	26	35	42	45	45
3710	-57	-77	-111	-123	-129	-133	-129	-133	-134	-135	4250	47	49	50	50	51	51	50	44	40	38
3720	-130	-125	-118	-110	-102	-100	-98	-99	-100	-93	4260	31	25	18	13	11	7	0	0	-2	-7

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
4270	-13	-16	-15	-7	5	17	25	27	28	28
4280	19	7	-29	-49	-40	-69	-52	-49	-45	-43
4290	-43	-43	-46	-52	-59	-63	-66	-68	-70	-71
4300	-72	-71	-62	-49	-32	-12	16	29	45	56
4310	56	58	61	63	66	71	74	75	74	74
4320	66	53	48	40	30	21	11	8	8	8
4330	7	6	4	3	5	9	11	16	24	29
4340	33	33	35	35	23	3	-13	-27	-25	-28
4350	-36	-40	-38	-35	-28	-23	-17	-11	-5	-4
4360	-5	-7	-16	-29	-60	-47	-53	-53	-52	-44
4370	-34	-30	-27	-22	-14	-13	-14	-22	-28	-27
4380	-27	-24	-21	-16	-16	-16	-22	-27	-32	-32
4390	-23	-18	-12	-5	-5	-5	-5	-5	-2	0
4400	6	13	18	25	27	27	27	25	24	14
4410	27	27	27	27	27	27	25	24	18	11
4420	9	5	0	-3	-8	-5	0	-1	-2	-5
4430	-9	-14	-26	-29	-39	-28	-23	-18	-14	-9
4440	-9	-13	-20	-21	-12	-7	-3	5	15	22
4450	49	36	39	43	43	43	46	40	40	45
4460	50	54	52	49	49	49	43	41	41	42
4470	42	42	43	42	42	40	34	24	17	7
4480	-1	-5	-11	-14	-16	-14	-6	-3	-5	-8
4490	-6	-4	-3	-3	3	7	20	32	39	44
4500	48	55	57	57	55	51	45	39	32	28
4510	26	25	25	29	33	34	34	34	33	30
4520	29	27	22	17	10	0	-8	-12	-19	-29
4530	-35	-43	-51	-56	-61	-67	-72	-74	-75	-76
4540	-76	-76	-76	-76	-76	-75	-74	-71	-64	-54
4550	-43	-34	-24	-18	-18	-17	-19	-23	-25	-29
4560	-31	-32	-36	-42	-43	-43	-40	-35	-33	-32
4570	-34	-41	-43	-43	-43	-42	-36	-28	-23	-23
4580	-21	-18	-5	8	12	12	9	8	5	5
4590	5	2	0	0	0	0	0	-1	-5	-7
4600	-8	-8	-9	-13	-17	-18	-15	-3	7	24
4610	37	59	93	106	134	150	156	161	163	161
4620	147	127	102	81	69	52	34	22	10	-4
4630	-13	-17	-19	-19	-18	-18	-12	-10	-4	6
4640	7	5	1	-9	-18	-25	-30	-31	-31	-31
4650	-31	-39	-41	-44	-48	-59	-65	-68	-70	-70
4660	-70	-58	-52	-49	-42	-30	-19	-21	-21	-21
4670	-24	-24	-30	-33	-34	-34	-34	-32	-31	-31
4680	-21	-20	-19	-15	-11	-10	-13	-17	-17	-17
4690	-14	-12	-3	3	5	10	16	21	26	28
4700	30	32	33	33	30	25	22	22	20	14
4710	8	0	-4	-9	-13	-14	-14	-16	-16	-16
4720	-15	-16	-18	-16	-15	-16	-18	-19	-19	-20
4730	-24	-22	-21	-19	-15	-12	-9	-9	-10	-13
4740	-17	-23	-26	-21	-14	-12	-11	-10	-10	-8
4750	-5	-5	-9	-10	-5	0	5	13	23	33
4760	38	40	37	30	21	13	8	6	10	16
4770	21	25	31	34	34	34	32	30	30	30
4780	30	32	36	41	45	45	45	45	45	45
4790	43	29	4	-11	-16	-19	-19	-19	-19	-15
4800	-8	-8	-15	-24	-34	-40	-45	-48	-50	-48

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

CONTINUED (S-1191 DOWN)

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
5350	9	5	2	0	-4	-4	-7	-11	-15	-19
5360	-23	-27	-31	-34	-35	-34	-32	-31	-30	-28
5370	-22	-19	-17	-17	-17	-16	-16	-10	-2	1
5380	9	26	27	31	32	31	31	27	22	27
5390	30	33	33	31	32	31	31	31	3	8
5400	31	32	40	47	52	58	61	61	57	48
5410	43	41	47	50	51	52	53	53	53	53
5420	53	52	47	40	34	27	25	21	10	5
5430	0	-6	-11	-17	-21	-31	-29	-22	-19	-70
5440	-71	-71	-71	-71	-70	-70	-71	-78	-83	-83
5450	-87	-86	-87	-87	-87	-76	-71	-63	-55	-36
5460	-24	-12	-8	-2	0	2	8	17	24	26
5470	30	40	42	43	41	39	36	34	30	27
5480	26	27	34	39	39	38	32	25	18	6020
5490	11	6	3	0	-2	-3	0	0	2	4
5500	3	0	0	0	0	0	0	0	0	0
5510	3	4	7	11	12	12	12	14	15	13
5520	10	6	3	0	-2	-6	-11	-14	-13	-10
5530	-5	-1	0	0	-1	0	1	2	6	17
5540	24	22	24	27	29	29	29	30	31	32
5550	33	33	35	37	37	34	24	12	2	-3
5560	-5	-6	-6	-4	-1	0	2	4	6	9
5570	12	16	18	18	19	19	19	17	16	16
5580	17	15	12	11	11	12	15	15	15	16
5590	15	15	15	12	8	9	14	12	8	0
5600	-4	-6	-8	-12	-15	-19	-21	-23	-26	-29
5610	-28	-24	-18	-15	-12	-8	-4	-3	-4	-4
5620	-3	-2	2	5	8	12	15	15	15	18
5630	18	14	10	8	5	1	-3	-7	-8	-8
5640	-11	-11	-11	-11	-12	-24	-29	-29	-29	-22
5650	-21	-16	-12	-8	-6	-6	-6	-6	-6	-10
5660	-18	-19	-20	-22	-22	-25	-30	-33	-39	-43
5670	-46	-48	-48	-50	-53	-53	-53	-53	-53	-53
5680	-50	-46	-43	-33	-29	-25	-22	-18	-11	-6
5690	-1	1	3	14	22	28	30	32	34	37
5700	45	49	56	62	61	60	66	70	76	77
5710	79	79	80	80	80	80	80	79	79	79
5720	79	79	75	64	58	52	46	43	40	31
5730	22	15	11	9	3	-4	-12	-15	-17	-20
5740	-27	-25	-25	-27	-27	-27	-30	-37	-39	-43
5750	-51	-57	-59	-60	-60	-60	-60	-60	-59	-57
5760	-56	-55	-53	-48	-44	-41	-39	-36	-31	-26
5770	-23	-18	-8	-1	2	7	9	11	16	20
5780	-22	22	21	27	29	33	32	31	30	29
5790	29	29	29	27	25	25	24	24	24	24
5800	25	25	28	33	36	39	39	37	26	12
5810	0	-9	-15	-21	-23	-25	-26	-29	-30	-33
5820	-37	-39	-40	-39	-36	-35	-32	-29	-22	-16
5830	-17	-13	-10	-7	-5	-2	-3	-3	-3	-2
5840	-3	-6	-14	-16	-19	-20	-21	-22	-20	-15
5850	-12	-10	-5	-5	-5	-4	0	0	-5	-8
5860	-9	-11	-12	-10	-7	-3	-2	-2	-2	-3
5870	-3	-5	-7	-2	8	9	12	15	16	16
5880	15	11	5	8	11	15	19	23	24	26

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
6430	-30	-31	-30	-37	-45	-50	-51	-50	-50	-50
6440	-48	-46	-46	-45	-43	-44	-40	-44	-39	-38
6450	-38	-33	-31	-31	-27	-23	-22	-18	-16	-12
6460	-9	-4	-1	1	5	9	10	9	8	10
6470	12	11	13	17	24	24	21	20	19	19
6480	16	15	13	12	13	11	10	7	7	7
6490	6	8	11	13	15	16	19	18	17	17
6500	16	17	16	17	18	20	17	11	8	7
6510	6	1	0	2	3	0	-1	3	8	10
6520	11	11	11	11	11	11	11	10	10	7
6530	1	-2	-2	-3	-10	-16	-16	-13	-9	-6
6540	-4	-1	0	1	1	2	6	8	8	7
6550	5	4	0	-2	-2	-3	-5	-8	-8	-6
6560	-3	-3	-3	-3	0	3	6	4	4	3
6570	2	1	0	0	1	3	4	6	8	9
6580	7	6	2	0	-2	-4	-5	-8	-9	-12
6590	-14	-19	-23	-26	-33	-39	-42	-42	-42	-42
6600	-41	-35	-26	-18	-12	-9	-5	-5	-6	-9
6610	-5	-5	-5	-4	0	1	6	7	8	9
6620	10	10	10	10	10	8	5	3	3	4
6630	3	4	3	3	0	-2	-5	-6	-6	-6
6640	-4	0	5	10	14	18	16	9	5	5
6650	3	1	1	2	7	10	14	17	24	28
6660	31	30	28	26	25	24	24	28	31	34
6670	38	34	34	33	32	35	33	30	28	28
6680	28	25	22	20	17	15	10	6	4	3
6690	3	0	0	-2	-2	-4	-5	-9	-13	-16
6700	-20	-21	-22	-22	-21	-17	-17	-16	-16	-16
6710	-16	-13	-13	-13	-13	-10	-9	-9	-6	-5
6720	-5	-5	-5	-5	-7	-10	-9	-9	-8	-5
6730	-2	2	3	3	6	7	10	13	15	16
6740	17	19	22	23	23	25	25	23	22	21
6750	18	17	15	13	8	6	4	2	1	0
6760	0	1	-1	-6	-13	-21	-26	-27	-27	-27
6770	-28	-27	-25	-23	-21	-18	-13	-9	-8	-5
6780	-4	-4	-4	-6	-7	-9	-10	-10	-9	-9
6790	-9	-9	-8	-8	-8	-8	-8	-4	-4	-3
6800	-2	-1	0	0	0	0	0	0	-1	-5
6810	-7	-10	-10	-9	-9	-9	-9	-9	-8	-6
6820	-1	2	7	11	13	12	9	8	7	7
6830	9	9	8	6	7	10	14	18	20	20
6840	21	23	21	15	12	10	6	4	3	1
6850	-1	-4	-7	-7	-4	-1	-1	-2	-7	-7
6860	-7	-7	-8	-3	1	3	3	3	3	3
6870	3	3	8	15	17	21	22	22	22	23
6880	23	23	27	16	16	13	8	11	13	15
6890	15	15	11	3	-2	-7	-9	-9	-14	-24
6900	-32	-33	-37	-42	-47	-50	-61	-60	-59	-59
6910	-56	-55	-55	-54	-50	-48	-47	-44	-41	-41
6920	-31	-28	-24	-22	-16	-9	-8	-7	-3	0
6930	3	6	7	7	7	7	7	5	6	6
6940	5	6	6	6	7	7	9	9	8	4
6950	1	-1	-5	-9	-13	-16	-17	-18	-20	-22
6960	-22	-23	-21	-21	-19	-16	-12	-8	-4	0

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

CONTINUED (S-1191 DOWN)

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
7510	44	44	43	43	43	43	43	41	40	
7520	36	30	24	21	18	15	11	7	3	2
7530	2	0	-2	-2	-3	-1	2	5	7	4
7540	10	12	12	12	11	7	6	6	5	4
7550	2	2	2	2	2	4	4	3	3	2
7560	0	-6	-8	-12	-15	-15	-15	-12	-9	
7570	-8	-6	-2	0	3	7	10	14	19	26
7580	29	31	31	31	30	28	28	22	19	12
7590	6	4	0	-4	-8	-11	-19	-26	-28	-27
7600	-28	-28	-27	-24	-22	-17	-12	-7	-3	-9
7610	0	1	1	1	1	0	-3	-5	-9	-9
7620	-13	-14	-16	-19	-19	-19	-20	-20	-20	-20
7630	-20	-17	-12	-6	-6	-4	-4	4	9	14
7640	9	10	12	13	13	13	12	13	12	10
7650	3	3	-1	-5	-8	-10	-10	-11	-14	-15
7660	-15	-19	-21	-20	-19	-20	-21	-18	-15	-15
7670	-15	-14	-14	-13	-13	-12	-12	-14	-18	-18
7680	-19	-19	-19	-19	-20	-19	-18	-18	-18	-18
7690	-18	-14	-6	-2	1	8	15	15	19	19
7700	20	23	23	25	26	26	26	25	25	25
7710	25	25	25	25	24	22	22	22	21	21
7720	21	19	16	11	10	7	4	0	-2	-8
7730	-8	-8	-9	-11	-12	-12	-11	-11	-8	-8
7740	-7	-7	-7	-4	-1	-1	0	0	0	0
7750	-1	0	0	0	0	0	-3	-4	-5	-5
7760	-6	-7	-9	-10	-10	-13	-16	-19	-23	-24
7770	-24	-24	-21	-17	-15	-13	-11	-8	-5	-2
7780	0	1	3	6	10	16	19	23	24	24
7790	24	26	28	28	28	30	32	37	31	29
7800	28	26	22	19	17	17	17	18	15	13
7810	9	9	10	10	10	11	15	18	17	15
7820	11	7	2	-1	-5	-13	-18	-20	-22	-25
7830	-28	-32	-33	-36	-41	-42	-43	-42	-39	-25
7840	-36	-33	-30	-28	-21	-15	-11	-8	-7	-2
7850	-1	0	2	5	6	7	7	9	11	12
7860	12	10	8	8	8	8	8	7	6	6
7870	7	7	5	2	1	3	3	2	0	0
7880	-1	-6	-10	-12	-13	-14	-15	-13	-7	0
7890	1	5	9	9	9	7	4	0	0	0
7900	10	9	9	9	6	3	1	0	0	-2
7910	-6	-7	-4	-4	-4	-4	-5	-4	-5	-5
7920	-13	-12	-16	-20	-24	-30	-29	-29	-29	-29
7930	-29	-29	-28	-27	-26	-28	-30	-31	-31	-31
7940	-30	-28	-28	-28	-26	-27	-18	-22	-20	-20
7950	-18	-16	-13	-11	-9	-6	-7	-1	0	0
7960	0	0	-1	0	0	0	0	0	0	0
7970	0	-2	-6	-7	-7	-7	-5	-1	2	7
7980	10	14	18	22	25	28	31	34	35	35
7990	36	39	40	41	41	41	40	40	36	36
8000	34	31	29	27	24	22	18	13	12	12
8010	12	4	-3	-8	-10	-10	-11	-12	-13	-12
8020	-9	-6	-5	-6	-7	-7	-9	-10	-10	-12
8030	-14	-16	-16	-15	-15	-15	-16	-17	-17	-17
8040	-15	-14	-13	-11	-9	-9	-7	-4	-2	-2

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 DOWN)

CONTINUED(S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
8590	15	18	21	21	20	20	20	18	17	14	9130	19	20	21	23	24	23	24	21	21	19
8600	14	14	13	13	10	8	3	0	0	3	9140	19	19	19	19	21	20	18	17	16	14
8610	-4	-5	-7	-8	-10	-15	-17	-21	-23	-24	9150	13	13	14	13	10	10	8	7	6	3
8620	-27	-30	-34	-35	-35	-36	-38	-39	-40	-40	9160	1	0	-2	-6	-8	-8	-9	-8	-8	-8
8630	-41	-41	-41	-41	-42	-42	-43	-43	-43	-43	9170	-8	-8	-8	-8	-12	-12	-15	-12	-12	-12
8640	-43	-42	-37	-37	-37	-36	-31	-28	-26	-21	9180	-10	-9	-9	-7	-4	-3	-1	0	0	0
8650	-18	-15	-15	-10	-2	0	0	1	2	3	9190	-1	-2	-3	-3	0	4	8	11	9	-4
8660	5	6	6	7	9	8	8	8	3	0	9200	9	9	9	9	2	1	0	0	-4	-4
8670	0	-2	-2	-2	-6	-7	-10	-11	-11	-11	9210	4	6	5	5	3	3	4	7	11	13
8680	-8	-6	-3	-2	0	1	0	1	1	1	9220	12	13	15	15	19	19	19	20	20	20
8690	1	1	0	1	6	8	9	11	11	13	9230	22	23	23	23	24	24	23	21	19	18
8700	14	17	19	22	22	23	22	21	20	16	9240	17	16	15	11	7	6	4	1	-2	-5
8710	16	19	19	21	24	28	33	36	36	36	9250	-7	-11	-15	-18	-19	-20	-20	-21	-21	-22
8720	36	36	36	37	34	31	27	24	23	23	9260	-23	-23	-23	-23	-23	-23	-23	-23	-23	-23
8730	22	23	23	20	19	18	17	17	17	17	9270	-20	-16	-15	-15	-16	-16	-18	-20	-20	-19
8740	16	17	19	19	19	19	18	17	16	13	9280	-16	-15	-12	-8	-6	-4	0	3	7	11
8750	12	11	10	8	6	4	2	1	1	0	9290	11	11	13	16	17	16	15	15	13	12
8760	0	-2	-3	-3	-3	-4	-4	-3	-3	0	9300	11	11	8	4	2	1	1	1	0	-3
8770	3	6	7	8	11	12	14	16	17	16	9310	-7	-9	-9	-10	-13	-15	-17	-17	-20	-20
8780	15	16	14	10	5	2	-1	-5	-10	-13	9320	-18	-17	-15	-15	-15	-15	-14	-14	-14	-14
8790	-17	-16	-19	-21	-22	-23	-24	-24	-22	-20	9330	-13	-11	-9	-9	-9	-9	-8	-8	-8	-9
8800	-17	-14	-11	-9	-6	-3	-2	-1	0	3	9340	-10	-12	-11	-8	-7	-6	-4	0	1	1
8810	2	0	1	2	3	4	4	5	7	8	9350	4	9	14	19	24	26	29	32	35	35
8820	8	9	11	13	19	21	20	19	18	18	9360	35	35	34	34	33	31	30	30	30	28
8830	18	17	15	13	10	9	7	3	0	2	9370	28	27	24	23	18	18	15	15	12	7
8840	-3	-5	-9	-11	-12	-13	-13	-12	-12	-12	9380	0	0	-4	-8	-12	-14	-14	-14	-15	-15
8850	-11	-10	-11	-10	-9	-7	-7	-2	1	3	9390	-15	-13	-13	-12	-11	-10	-10	-9	-5	-1
8860	6	7	8	7	8	7	7	6	6	5	9400	1	4	6	8	11	16	21	17	16	17
8870	4	5	7	8	8	10	9	8	8	9	9410	20	21	22	21	24	22	22	21	21	15
8880	8	8	8	8	6	4	1	-1	-2	6	9420	14	15	14	7	4	4	4	3	3	1
8890	8	8	4	1	2	1	-1	-3	-3	-3	9430	-2	-6	-7	-10	-14	-14	-14	-14	-14	-15
8900	-5	-6	-6	-4	-4	-4	-12	-11	-9	-3	9440	-15	-14	-14	-15	-13	-10	-10	-11	-8	-5
8910	-3	-2	2	5	9	9	11	13	13	13	9450	-5	-5	-5	-5	-5	-5	-5	-5	-3	0
8920	13	17	22	24	24	24	24	23	21	19	9460	0	-1	-1	-1	-1	0	0	1	3	4
8930	19	19	19	19	19	19	19	18	17	17	9470	4	4	3	5	6	10	11	11	11	8
8940	17	18	18	18	17	18	16	13	10	9	9480	6	6	6	5	4	4	3	0	-4	-5
8950	5	2	3	2	2	2	2	2	2	2	9490	-5	-6	-8	-9	-11	-13	-13	-13	-13	-13
8960	2	0	-2	-2	-3	-3	-3	-3	-3	-3	9500	-14	-17	-18	-18	-18	-16	-16	-14	-13	-11
8970	-3	-3	-3	-3	-3	-3	-3	-2	-2	0	9510	-9	-6	-4	-1	0	2	5	7	7	6
8980	2	2	2	2	1	0	0	0	0	0	9520	8	10	11	10	10	13	14	14	12	11
8990	0	0	-1	-2	-4	-3	-2	-2	-2	-2	9530	7	3	2	1	0	-1	-1	-1	-3	0
9000	1	3	2	2	2	2	2	2	2	2	9540	-9	-11	-13	-13	-14	-16	-16	-16	-15	-15
9010	0	0	0	0	-1	-2	-2	-2	-2	1	9550	-13	-11	-9	-9	-9	-9	-7	-6	-4	-2
9020	11	12	13	15	15	16	18	19	19	17	9560	0	3	5	6	7	9	10	10	12	13
9030	17	20	20	20	19	19	17	16	16	14	9570	14	16	19	21	23	22	20	17	14	14
9040	14	16	14	12	10	8	5	5	6	6	9580	14	13	13	9	7	3	0	0	0	0
9050	5	4	4	4	4	3	3	2	1	1	9590	0	-3	-3	-4	-5	-6	-5	-5	-6	-7
9060	3	1	0	0	0	0	0	0	0	-1	9600	-7	-7	-6	-4	-3	-1	0	1	3	6
9070	-1	-2	-3	-3	-2	0	0	1	3	3	9610	8	10	14	19	19	21	22	23	23	23
9080	5	10	9	8	6	6	8	7	8	10	9620	23	25	24	24	24	24	24	23	23	23
9090	10	10	10	10	10	10	10	10	9	10	9630	22	21	22	19	18	17	14	14	14	12
9100	9	8	6	5	2	0	0	-1	-4	-5	9640	11	8	4	0	-2	-5	-11	-14	-15	-15
9110	-7	-9	-10	-12	-13	-14	-16	-16	-14	-9	9650	-16	-18	-18	-17	-18	-18	-18	-19	-18	-18
9120	-6	-2	0	0	4	8	12	15	17	19	9660	-16	-16	-14	-10	-9	-8	-9	-9	-9	-9

TO BE CONTINUED

TO BE CONTINUED

CONTINUED(S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
9670	-9	-9	-9	-9	-8	-9	-3	0	0	0
9680	0	3	2	2	3	4	4	7	10	10
9690	10	10	10	9	10	9	10	9	1	-2
9700	-6	-9	-10	-13	-18	-20	-21	-21	-24	-24
9710	-21	-20	-20	-16	-11	-10	-9	-9	-8	-6
9720	-5	-4	-4	-4	-1	0	3	3	3	4
9730	0	0	0	-1	-1	-1	-3	-4	-5	-5
9740	0	3	5	7	9	12	13	14	14	15
9750	14	12	12	12	11	11	7	6	5	5
9760	5	5	5	5	0	-3	-3	-5	-5	-5
9770	-7	-8	-8	-8	-8	-6	-5	-5	-3	-1
9780	0	0	-1	0	0	-1	-2	-2	-3	-3
9790	-3	-2	-1	0	0	1	3	5	8	10
9800	11	11	11	11	11	10	10	11	11	11
9810	10	6	3	-1	-4	-6	-7	-9	-11	-12
9820	-14	-12	-12	-11	-12	-12	-11	-8	-9	-9
9830	-8	-6	-3	-2	-2	-2	-2	-4	-5	-3
9840	-3	-2	-1	-1	0	4	8	8	6	4
9850	2	2	2	2	2	0	-3	-4	-3	-3
9860	-5	-4	-2	1	0	-5	-9	-13	-14	-13
9870	-13	-13	-13	-13	-13	-14	-12	-12	-12	-13
9880	-12	-19	-7	-7	-7	-4	0	2	2	4
9890	9	13	16	18	19	21	22	21	21	20
9900	21	21	21	20	20	21	24	20	18	15
9910	15	16	15	11	6	7	7	5	1	-3
9920	-8	-9	-9	-9	-9	-14	-14	-14	-14	-14
9930	-15	-15	-15	-15	-15	-16	-15	-15	-16	-11
9940	-10	-10	-6	-3	0	1	2	2	4	5
9950	5	5	5	5	5	5	7	8	9	9
9960	11	12	11	13	14	14	14	14	14	14
9970	14	14	17	18	19	19	18	16	14	12
9980	11	8	5	4	2	-3	-9	-16	-17	-16
9990	-17	-18	-18	-19	-20	-20	-19	-20	-21	-21
10000	-21	-19	-16	-15	-13	-11	-11	-11	-11	-11
10010	-11	-9	-4	0	2	4	4	4	4	4
10020	5	7	7	7	7	7	7	8	8	8
10030	8	6	6	6	6	8	7	6	6	7
10040	6	6	5	3	2	0	-1	-3	-4	-4
10050	-6	-7	-7	-7	-7	-7	-8	-8	-5	-4
10060	-3	0	3	5	7	8	8	9	11	13
10070	15	16	17	19	20	20	19	17	16	17
10080	18	20	23	24	23	22	18	16	15	13
10090	10	8	6	6	4	2	0	-2	-3	-4
10100	-7	-9	-9	-9	-9	-9	-10	-10	-9	-9
10110	-8	-6	-4	-1	1	3	5	7	10	12
10120	13	15	17	17	18	21	22	22	22	22
10130	22	27	19	17	18	14	13	11	10	9
10140	6	6	7	8	8	8	6	8	10	13
10150	11	10	10	10	10	14	16	16	14	14
10160	12	11	11	9	8	6	4	4	5	5
10170	5	2	0	0	0	0	0	0	0	0
10180	0	0	2	2	2	0	-4	-4	-2	-1
10190	-1	-1	-1	-1	0	1	2	0	-1	-3
10200	-7	-8	-8	-8	-6	-8	-8	-6	-6	-6

TO BE CONTINUED

CONTINUED(S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10210	-6	-6	-5	-4	-3	-3	-2	0	0	0
10220	0	0	0	0	1	3	5	5	6	6
10230	6	8	8	10	10	12	13	13	12	11
10240	10	10	10	9	10	10	9	9	8	7
10250	6	6	2	1	2	2	2	5	6	10
10260	11	11	11	11	11	11	11	11	10	8
10270	7	6	6	7	7	7	7	8	7	6
10280	4	2	1	0	0	0	0	0	1	0
10290	0	0	0	0	0	0	0	0	0	-1
10300	-4	-8	-11	-13	-14	-16	-17	-18	-18	-18
10310	-18	-19	-19	-18	-18	-17	-18	-18	-18	-18
10320	-18	-17	-17	-14	-13	-13	-12	-8	-7	-7
10330	-7	-7	-7	-6	-4	-4	-3	-3	-1	-1
10340	0	0	0	0	0	0	0	-1	-2	-3
10350	0	-4	-6	-6	-2	-2	-2	0	0	3
10360	3	2	2	1	1	2	3	3	2	0
10370	0	-4	-7	-7	-5	-6	-5	-6	-5	0
10380	-14	-13	-13	-13	-13	-13	-13	-9	-5	-5
10390	-5	-6	-6	-4	-2	-2	-2	0	1	0
10400	2	4	4	6	7	7	8	10	7	7
10410	7	7	7	8	13	10	10	10	11	13
10420	0	0	0	5	5	7	10	11	12	13
10430	11	11	11	11	11	11	11	13	13	13
10440	13	13	13	14	14	11	11	11	9	7
10450	7	7	7	7	8	9	9	9	10	9
10460	7	7	7	7	7	5	4	4	1	2
10470	4	5	5	5	1	0	-3	-5	-5	-5
10480	-6	-7	-7	-9	-10	-10	-9	-6	-6	-6
10490	-4	-3	0	0	3	4	5	5	5	5
10500	4	2	1	0	0	0	0	0	0	0
10510	0	1	3	5	6	6	4	4	4	4
10520	4	4	6	9	12	13	13	13	13	13
10530	12	11	10	7	7	13	13	13	13	13
10540	-3	-5	-9	-12	-14	-14	-15	-16	-17	-17
10550	-18	-20	-21	-21	-20	-19	-18	-17	-17	-17
10560	-17	-17	-17	-17	-16	-15	-14	-14	-14	-14
10570	-14	-14	-15	-15	-16	-16	-16	-16	-17	-15
10580	-14	-14	-13	-12	-11	-11	-12	-13	-11	-10
10590	-8	-7	-4	-3	-2	-1	0	0	-1	-1
10600	0	1	1	1	4	8	8	8	8	8
10610	6	6	3	1	1	1	1	1	1	0
10620	0	-1	-1	-1	-1	0	2	1	0	0
10630	-1	-1	-3	-6	-7	-8	-7	-8	-7	-7
10640	-8	-8	-8	-8	-8	-8	-8	-8	-9	-9
10650	-8	-4	1	0	-1	-1	-1	-1	2	2
10660	2	1	1	0	-2	-3	-6	-6	-8	-13
10670	-16	-16	-16	-14	-12	-9	-9	-8	-7	-2
10680	0	3	3	4	4	4	4	4	4	11
10690	11	11	11	11	11	11	11	11	11	11
10700	5	7	7	7	6	7	7	7	7	7
10710	3	0	1	0	0	0	0	0	0	0
10720	0	0	0	0	0	0	0	0	0	0
10730	1	2	2	1	0	2	2	2	2	2
10740	2	1	0	-1	-3	-3	-3	-3	-1	0

TO BE CONTINUED

CONTINUED(S-1191 DOWN)					CONTINUED(S-1191 DOWN)					CONTINUED(S-1191 DOWN)											
NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
10750	0	2	3	3	3	3	4	6	6	6	11390	-10	-15	-19	-19	-19	-19	-19	-19	-19	-19
10760	2	0	0	1	1	1	1	0	0	0	11300	-19	-19	-19	-18	-18	-18	-18	-18	-18	-19
10770	0	0	0	0	0	0	0	0	0	0	11310	-18	-15	-15	-15	-15	-15	-15	-15	-15	-17
10780	0	-1	-2	0	0	0	0	0	0	0	11320	-7	-7	-7	-7	-7	-7	-7	-7	-7	-7
10790	0	0	0	-2	-5	-8	-7	-6	-6	-6	11330	-14	-14	-13	-12	-12	-12	-12	-12	-12	-10
10800	-6	-8	-8	-10	-10	-10	-10	-9	-8	-9	11340	-7	-7	-7	-7	-7	-6	-6	-5	-5	-5
10810	-9	-11	-11	-10	-9	-6	-8	-10	-11	-11	11350	-7	-7	-7	-7	-4	-4	-4	-4	-4	-3
10820	-7	-7	-4	-2	-3	-4	-5	-6	-6	-7	11360	0	2	1	0	0	1	0	0	0	1
10830	-7	-7	-8	-9	-10	-9	-10	-10	-9	-9	11370	-1	-1	0	0	2	1	2	2	2	2
10840	1	0	0	-2	-3	-3	-1	0	0	0	11380	3	4	6	6	6	6	6	6	6	6
10850	0	0	0	-1	5	5	5	4	2	0	11390	6	4	1	1	1	1	1	1	1	1
10860	0	0	-1	-1	-1	-1	0	0	-2	-2	11400	6	4	1	1	1	1	1	1	1	2
10870	-4	-6	-6	-8	-10	-10	-10	-10	-11	-14	11410	2	2	2	2	2	0	0	0	0	1
10880	-3	-4	-4	-3	-4	-4	-4	-4	-4	-4	11420	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
10890	-14	-14	-13	-14	-14	-13	-12	-13	-13	-13	11430	-4	-4	-4	-4	-4	-4	-4	-4	-4	-4
10900	-14	-14	-13	-14	-14	-13	-12	-13	-13	-13	11440	2	6	3	3	3	3	3	3	3	3
10910	-12	-11	-12	-11	-11	-11	-11	-10	-7	-6	11450	3	5	3	3	3	0	0	0	0	0
10920	-6	-4	-3	-4	-4	-1	0	0	0	2	11460	-3	-3	-4	-5	-4	-6	-6	-6	-6	-7
10930	3	5	5	5	5	5	5	4	2	2	11470	-7	-7	-6	-6	-6	-6	-6	-6	-6	-6
10940	1	5	0	0	0	0	0	0	0	0	11480	-6	-7	-7	-6	-6	-6	-6	-6	-6	-6
10950	5	5	8	9	12	12	12	10	10	9	11490	4	4	3	3	3	3	3	3	3	3
10960	5	0	-2	-2	-3	-2	-2	0	-1	-1	11500	8	8	8	8	8	2	2	2	2	2
10970	1	3	4	4	4	4	4	4	4	4	11510	0	-2	-2	-2	-1	-1	-1	-1	-1	-1
10980	15	17	16	16	15	15	14	13	14	12	11520	-8	-9	-9	-9	-9	-9	-9	-9	-9	-9
10990	11	10	9	7	5	4	6	7	8	8	11530	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10
11000	7	5	4	4	1	3	7	7	7	7	11540	-10	-9	-7	-6	-6	-6	-6	-6	-6	-6
11010	7	12	12	11	13	15	16	17	18	18	11550	-7	-7	-7	-6	-6	-6	-6	-6	-6	-6
11020	20	19	17	16	14	11	14	11	9	8	11560	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
11030	5	4	4	4	4	4	4	4	2	2	11570	3	2	2	2	2	2	2	2	2	2
11040	0	-1	-1	-1	-1	0	0	0	0	0	11580	2	1	1	1	1	1	1	1	1	1
11050	-1	-2	-2	-1	-1	-1	-1	-2	-2	-2	11590	1	0	0	0	0	0	0	0	0	0
11060	-2	-2	-1	-2	-2	-2	-2	-2	-1	-1	11600	2	2	2	2	3	3	3	3	3	3
11070	0	3	4	3	4	4	4	4	4	4	11610	6	6	6	6	6	6	6	6	6	6
11080	3	4	4	3	4	4	4	4	5	7	11620	5	4	4	3	3	4	4	4	4	4
11090	9	11	12	13	15	15	15	14	13	11	11630	4	1	-1	-1	-2	-2	-2	-2	-2	-2
11100	10	8	8	6	6	2	0	-2	-4	-7	11640	-6	-9	-9	-8	-9	-9	-9	-8	-9	-9
11110	-7	-7	-9	-10	-12	-12	-12	-12	-11	-11	11650	-9	-8	-9	-8	-9	-9	-9	-9	-9	-9
11120	-11	-12	-12	-11	-11	-11	-11	-12	-11	-12	11660	-2	0	-1	-1	-2	-2	-2	-2	-2	-2
11130	-11	-11	-12	-11	-11	-11	-11	-12	-11	-11	11670	-3	-3	-2	-2	-2	-2	-2	-2	-2	-2
11140	-12	-15	-16	-15	-15	-13	-14	-13	-14	-14	11680	-2	-3	-1	0	0	0	0	0	0	0
11150	-11	-9	-10	-9	-9	-8	-8	-6	-6	-6	11690	0	-1	-3	-6	-7	-7	-7	-6	-6	-6
11160	-6	-5	-6	-6	-5	-5	-5	-5	-4	-4	11700	-7	-7	-7	-5	-5	-5	-5	-4	-4	-5
11170	0	-1	-1	-1	-1	-1	-1	-1	-3	-3	11710	-5	-2	0	1	2	1	1	1	1	1
11180	-3	-3	-4	-3	0	5	7	9	10	10	11720	1	1	1	1	1	1	1	1	1	1
11190	10	14	16	16	16	16	16	16	16	16	11730	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
11200	16	19	20	18	17	16	16	16	13	11	11740	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
11210	12	10	11	13	15	16	17	17	17	17	11750	-7	-8	-9	-10	-11	-11	-11	-11	-11	-11
11220	16	13	12	13	13	13	13	10	7	6	11760	-6	-8	-9	-10	-11	-11	-11	-11	-11	-11
11230	5	6	5	4	2	3	2	-2	-3	-3	11770	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
11240	-3	-3	-3	-3	-3	-3	-3	-3	-3	-3	11780	-12	-11	-10	-9	-9	-9	-9	-9	-9	-9
11250	-3	-3	-3	-3	0	0	0	3	8	10	11790	-12	-12	-12	-12	-12	-12	-12	-12	-12	-12
11260	10	10	12	13	13	13	13	15	17	18	11800	-16	-16	-16	-16	-16	-16	-16	-16	-16	-16
11270	20	22	23	24	25	25	25	25	25	25	11810	-15	-15	-15	-15	-15	-15	-15	-15	-15	-15
11280	19	14	13	13	12	9	7	5	2	2	11820	-6	-6	-6	-6	-6	-6	-6	-6	-6	-6

TO BE CONTINUED

TO BE CONTINUED

CONTINUED (S-1191 DOWN)

NO.	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
11830	-6	-6	-6	-6	-6	-7	-6	-8	-8	-8
11840	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
11850	-8	-8	-7	-7	-7	-7	-7	-7	-8	-8
11860	-8	-8	-8	-8	-8	-8	-8	-8	-8	-8
11870	-8	-8	-8	-8	-8	-8	-8	-7	-5	-2
11880	-2	-2	-2	-2	-2	-2	-2	-2	-2	-1
11890	-1	-1	-1	-1	-1	-1	-1	-3	-4	-4
11900	-4	-4	-2	-3	-2	-2	-2	-2	-6	-6
11910	-6	-6	-6	-6	-6	-4	-2	-2	-2	-2
11920	0	1	1	1	1	1	1	1	1	1
11930	1	0	-2	-5	-6	-6	-6	-8	-6	-6
11940	-6	-5	-5	-5	-5	-6	-6	-7	-7	-7
11950	-7	-7	-8	-9	-10	-10	-11	-12	-14	-14
11960	-14	-14	-14	-14	-15	-15	-14	-15	-15	-15
11970	-15	-15	-15	-15	-15	-15	-15	-15	-15	-14
11980	-15	-15	-14	-14	-13	-13	-11	-10	-10	-9
11990	-8	-6	-4	-3	-1	0	0	0	1	2

END

港湾技研資料 No. 319

1979. 6

編集兼発行人 運輸省港湾技術研究所

発行所 運輸省港湾技術研究所
横須賀市長瀬3丁目1番1号

印刷所 株式会社 東京プリント