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ANNUAL REPORT ON STRONG-MOTION EARTHQUAKE
RECORDS IN JAPANESE PORTS (1972)
by Eiichi Kurata, Tokuzo Ishizaka and Hajime Tsuchida

（港灣地域強震觀測年報（1972）

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* Abbreviations

AR: Analog record (computer plots of digitized record)
 RS: Response Spectra
 FS: Fourier Spectra
 NR: Numerical Tables of Response Spectra
 DR: Digitized Reocrd

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港湾地域強震観測年報 (1972)

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要 旨

わが国の港湾地域における強震観測は、昭和37年度より港湾技術研究所耐震構造研究室が中心となり、運輸省港湾局、各港湾建設局、北海道開発局港湾部、岩手県、静岡県、宮崎県の各港湾課、東京都、大阪市の各港湾局の協力のもとに実施している。観測網には、昭和47年3月に尾崎、松山、大分港に新規設置したのを含め、60台の強震計が、39港に配置されていた。このうち、42台は地盤上に、また残り18台は構造物上に設置されていた。使用している強震計はSMAC-B2強震計および当研究室で開発したERS強震計の2種である。

この報告では、前記観測網で昭和47年中に得られた記録のうち、対応する地震がはっきりせず、かつその最大加速度が20gal以下のものを除き、残りすべてを地震ごとに分類し、地震の資料と各成分ごとの最大加速度を添えて、強震観測表(Strong-Motion Earthquake Observation Results)に示した。強震観測表の地震資料(Earthquake Data)に示すものは、備考(Remarks)を除き、気象庁地震課発行の地震月報によっている。また、地盤上における記録で最大加速度が20gal以上のものについては、アナログ記録として、後で説明する方法によりデジタル化した記録を電子計算機により自動的にプロットしたものを示した。最大加速度が20~50galの範囲の記録については水平2成分を、50gal以上の記録については3成分を示した。最大加速度が50gal以上の記録と50gal以下の記録では、アナログ記録の縦軸の縮尺が変っていることに注意されたい。各成分の記録の上下にN、S、等の方向を示す記号が書込まれている。これは、地盤が正弦波状の運動をし、その振動数が加速度計振子の非減衰固有振動数より小さいとき、地盤の運動の加速度の方向を示すように記入してある。観測地点によっては、記録の1成分を構造物法線と平行にしたために、強震計のNS成分が真北を指していないものがある。この偏角や設置地点の条件等については、別に報告されているので参照されたい。

最大加速度が50gal以上の記録については、応答スペクトル、フーリエスペクトルおよびデジタル化された記録を添えた。

デジタル化された記録は原記録の密着印画をデジタル化装置により0.01秒ごとに読取り、円弧補正を行なった上で再び0.01秒間隔の数値として示したものである。

応答スペクトルはデジタル化された記録から主要成分をとり出し、これについて1自由度1質点系の最大応答を求めてプ

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ロットしたものである。最大応答の計算は理論解を一定時間々隔で数値計算し、その最大値を求める方法によった。時間々隔は0.01秒を原則としたが、固有周期の短い部分では、時間々隔が固有周期の $1/20$ 、もしくはそれ以下となるようにした。応答スペクトルの計算に用いた地震波の長さはTIME LENGTH、記録の始めの部分で加速度が小さいので計算に用いなかった部分の長さはSKIPPED LENGTHとして、数値表中に示してある。

この報告に示すフーリエスペクトルは、地震波の最大加速度の部分を含む数秒間をとり出し、これをフーリエ級数に展開して、そのフーリエ係数をプロットしたものである。したがって、厳密には線スペクトルであるが、図では各スペクトル値を結んだ形にしてある。フーリエスペクトルを求めた区間の始点と記録の始点との時間はTSK、スペクトルを求めた区間の長さはTUSとして、秒を単位とする数値で図中に示してある。

付録として、最大加速度が20ガル以上の記録を有する、34の観測地点について平均応答スペクトルを示した。減衰は5%、相対加速度の最大値(AMX)と地盤加速度の最大値(GMX)の比で求め、各非減衰固有周期(PERIOD)に対する平均値を実線で、最大、最小を破線で図示した。各観測地点はその港湾の代表的地盤条件の所に設定されており、ここに示した各観測地点の平均応答スペクトルは各港湾の平均応答スペクトルと考えられる。しかし、計算に使用された記録の数も十分と云えず、また記録の最大加速度も破壊的地震の最大加速度に比べて、小さいものが多いことを考慮の上、参照されたい。なお、用いた記録と、地震データを表-A1に示した。

ANNUAL REPORT ON STRONG-MOTION EARTHQUAKE RECORDS IN JAPANESE PORTS (1972)

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Synopsis

In the major ports in Japan, the strong-motion earthquake and the earthquake response of structures have been observed for these ten years; and as of December 1972, about 740 accelerograms were accumulated and analysed in the Earthquake Resistant Structures Laboratory. The observation network consisted of 60 strong-motion accelerographs; the 41 accelerographs were on the ground and the rest on the structures. Two types of accelerograph, the SMAC-B2 accelerograph and the ERS accelerograph were being used. This report presents all the records obtained in 1972, which are listed in the tables with their maximum accelerations, being classified in accordance with earthquakes. The accelerograms of ground motions with maximum accelerations exceeding 20 gals are reproduced in form of computer plots. On the ground acceleration records with maximum accelerations larger than 50 gals, digitized records, response spectra and Fourier spectra are included.

1. Introduction

The observation of the strong-motion earthquake in major ports was started in 1962 in Japan by the Earthquake Resistant Structures Laboratory of the Port and Harbour Research Institute. The observation network was expanded year by year; and as of December 1972, 60 accelerographs had been installed in 39 ports. Two types of accelerograph were being used, namely the SMAC-B2 accelerograph and the ERS accelerograph.

Until the end of 1972, 739 accelerograms had been obtained in the network; 718 accelerograms were obtained in the SMAC-B2 accelerographs and 21 accelerograms, in the ERS accelerographs. They were collected in the Laboratory for preliminary processing and analyses which would be explained later on. The records from 1963 to 1971 had been published in the previous annual reports which had similar format to the present one. 1~7) In 1968, there occurred an earthquake of large magnitude, the 1968 Tokachi-Oki earthquake; and large number of aftershocks followed. The damage took place to buildings, roads, port facilities and many other types of structure. The largest acceleration was recorded at Hachinohe Port, which was 259 gals. Because of the large magnitude of the earthquake and the damage to structures, the records were of great interest and importance. Therefore, the authors published a report of similar format to the annual report. 8)

The records and the results of the preliminary analyses in those reports have been used very effectively for analyses of the earthquake damage, for analyses of earthquake response of structures and also for designing large piers; and the usefulness of the strong-motion earthquake observation has been perfectly proved.

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The report consists of the Strong-Motion Earthquake Observation Results, reproduced accelerograms, digitized records, response spectra and Fourier spectra. All the records in 1972 are listed in the Strong-Motion Earthquake Observation Results with their maximum accelerations. The computer plots of digitized records are prepared for the ground acceleration records with maximum accelerations exceeding 20 gals; the digitized records and the spectra are provided only on records exceeding 50 gals.

Following organizations are being cooperated with the Port and Harbour Research Institute in the strong-motion earthquake observation:

- The Bureau for Ports and Harbours of the Ministry of Transport;
- The Regional Bureaus for Port Construction of the Ministry of Transport;
- The Port and Harbour Division, Hokkaido Development Bureau, Hokkaido Development Agency of the Prime Minister's Office;
- The Harbour Sections of Iwate, Shizuoka, and Miyazaki Prefectural Governments;
- and
- The Harbour Bureaus of Tokyo and Osaka Municipal Governments.

2. Network and Instrument

(1) Network

The network of the Port and Harbour Research Institute were covering the coast-line of Japan with 60 strong-motion accelerographs in 1972; the location of ports where the accelerographs are installed, are shown in Fig. 1. The numbers attached to the ports in Fig. 1 are corresponding to the numbers in Table 1. In Table 1, being classified in accordance with the ports, the stations are listed with the type of accelerograph, the installation condition, and the reference number. The reference number is showing the number of the Technical Note of the Port and Harbour Research Institute in which the site condition of each station is described. 9~11)

The accelerographs at the 48 stations out of the 60 stations were the SMAC-B2 accelerographs and the rest, the ERS accelerographs. The details of both accelerographs can be seen in the previous reports. 12, 13)

(2) Servicing

The installation and the servicing of the instruments have been made by the port construction offices of the previously described organizations under the direction of the Earthquake Resistant Structures Laboratory. It is directed that the instrument should be checked at least twice a month and after an earthquake larger than the intensity II as soon as possible. The accelerogram is sent carefully to the Earthquake Resistant Structures Laboratory by post or in hand, without any treatment or reading in the station, to eliminate possible danger to damage the accelerogram by unaccustomed persons to handle it.

The Earthquake Resistant Structures Laboratory has been offering every year a training course of about 5 days to the persons who take care of the accelerographs in the stations. During the course, the trainees are instructed proper procedure to maintain the instruments and to handle the accelerograms, by the experts from the manufacturing companies of the accelerographs. They also attend introductory lectures to the earthquake engineering by the instructors inside and outside of the Institute.

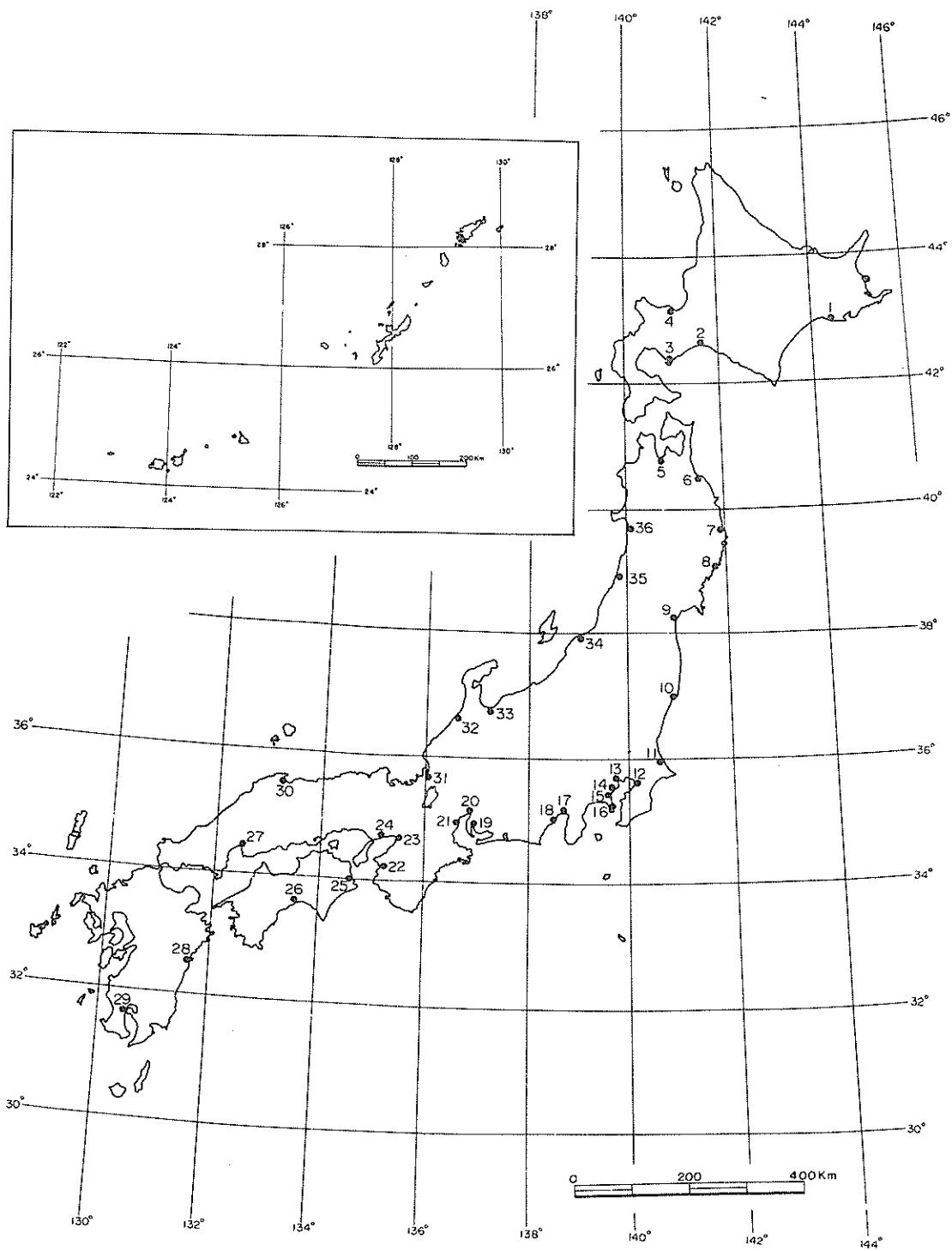


Fig. 1 Location of ports where the accelerographs are installed. (The numbers to each port are corresponding to the numbers in Table 1.)

Table 1 List of strong-Motion Earthquake Stations of the Port and Harbour Research Institute

No. of Port	Name of port	Name of station	Type of accelerograph	Installation condition	Ref. No.**
1	Kushiro	Kushiro-S	SMAC-B2	on ground	34
2	Tomakomai	Tomakomai-S	SMAC-B2	on ground	107
3	Muroran	Muroran-S	SMAC-B2	on ground	34, 107
4	Otaru	Otaru-S	SMAC-B2	on ground	107
5	Aomori	Aomori-S	SMAC-B2	on ground	107, 156
6	Hachinohe	Hachinohe-S	SMAC-B2	on ground	34, 107
7	Miyako	Miyako-S	SMAC-B2	on ground	34, 107
8	Ofunado	Ofunado-bochi-S	SMAC-B2	on ground	34, 107
		Ofunado-bo-S	SMAC-B2	on structure	34, 107
9	Shiogama	Shiogama-kojyo-S	SMAC-B2	on ground	34, 107, 156
10	Onahama	Onahama-S	SMAC-B2	on ground	34
11	Kashima	Kashima-ji-S	SMAC-B2	on ground	156
12	Chiba	Chiba-S	SMAC-B2	on ground	107
13	Tokyo	Shinagawa-S	SMAC-B2	on ground	34, 107
		Shinagawa-M	ERS-A	on structure	34, 107
14	Kawasaki	Kawasaki-dai5-ko-M	ERS-B	on structure	34
		Kawasaki-dai5-chi-M	ERS-B	on ground	34
15	Yokohama	Keihin-ji-S	SMAC-B2	on ground	34
		Yamashita-hen-S	SMAC-B2	on ground	34
		Yamashita-dai6-S	SMAC-B2	on structure	34
		Yamashita-dai7-M	ERS-B	on structure	34
16	Yokosuka	Koken-S	SMAC-B2	on ground	34
		Koken-M	ERS-B	on ground	34
17	Tagonoura	Tagonoura-S	SMAC-B2	on ground	107
18	Shimizu	Shimizu-kojyo-S	SMAC-B2	on ground	34, 156
		Okitsu-S	SMAC-B2	on ground	34, 156
		Shimizu-sekitan-S	SMAC-B2	on structure	34
		Shimizu-sekitan-M	ERS-B	on structure	34
19	Kinuura	Kinuura-S	SMAC-B2	on ground	107
20	Nagoya	Nagoya-zokan-S	SMAC-B2	on ground	34, 156
		Nagoya-inae-S	SMAC-B2	on structure	34
		Inae-sanbashi-M	ERS-B	on structure	34
		Inae-yaita-M	ERS-B	on structure	34
21	Yokkaichi	Yokkaichi-chitose-S	SMAC-B2	on ground	107
		Yokkaichi-sekitan-M	ERS-B	on structure	34
		Yokkaichi-dai2-M	ERS-B	on structure	34
22	Wakayama	Wakayama-ji-S	SMAC-B2	on ground	34
		Wakayama-ganpeki-S	SMAC-B2	on structure	156
23	Osaka	Osaka-ji-S	SMAC-B2	on ground	34
		Osaka-chuo-S	SMAC-B2	on structure	34
24	Amagasaki	Amagasaki-S	SMAC-B2	on ground	156
25	Kobe	Kobe-ji-S	SMAC-B2	on ground	34
		Kobe-dai6-S	SMAC-B2	on structure	34
		Kobe-dai8-S	SMAC-B2	on structure	34
		Maya-dai1-M	ERS-B	on structure	34
		Maya-dai2-M	ERS-B	on structure	34
26	Komatsujima	Komatsujima-S	SMAC-B2	on ground	107
27	Kochi	Kochi-S	SMAC-B2	on ground	34
28	Matsuyama	Matsuyama-S	SMAC-B2	on ground	156
29	Hiroshima	Hiroshima-S	SMAC-B2	on ground	34
30	Oita	Oita-S	SMAC-B2	on ground	156
31	Hososhima	Hososhima-S	SMAC-B2	on ground	34
32	Kagoshima	Kagoshima-S	SMAC-B2	on ground	34
33	Sakaiminato	Sakaiminato-S	SMAC-B2	on ground	34
34	Tsuruga	Tsuruga-S	SMAC-B2	on ground	34
35	Kanazawa	Kanazawa-S	SMAC-B2	on ground	107
36	Toyama	Toyama-S	SMAC-B2	on ground	34
37	Niigata	Niigata-S	SMAC-B2	on ground	34
38	Sakata	Sakata-S	SMAC-B2	on ground	34
39	Akita	Akita-S	SMAC-B2	on ground	34

* The numbers correspond to those in Fig. 1.

** 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.

(3) Stations

In the network, there are two kinds of stations; one is to record the ground acceleration, the other to record the earthquake response of structures. The station to record the earthquake response is always accompanied with another station to record the ground acceleration in its vicinity.

In the stations recording the ground acceleration independently, one of the horizontal components of the instrument is directed due north except a few number of instruments which have been installed in parallel with the structures. It is the reason that in the ports where the instruments are installed in parallel to the structures, there are many quaywalls or piers parallel each other, and that it is desirable to record components of the ground acceleration in parallel and perpendicular to the axes of the structures. In the stations recording structural response and the accompanying stations recording the ground acceleration, the instruments are installed parallel to the structures whose earthquake response is needed. As two horizontal components of the accelerographs are named NS and EW always, the direction of the NS-component makes an angle to the due north direction in some of the accelerographs in the network.

Each station in the network has its own abbreviated name which implies its location, the type of its accelerograph and installation condition, on the ground or on the structure. For instance, the station in Hachinohe Port is named Hachinohe-S in which Hachinohe is the name of the place where the station is located and the capital letter S at the end of the abbreviated name is showing that the accelerograph in the station is the SMAC-B2 accelerograph. If the ERS accelerograph is being used in a station, the name of the place is followed by a capital letter M. As this naming is made to distinguish the stations accurately in the network, it may be a little difficult for the people outside the network to imagine the location from its name, especially for the people who does not understand the Japanese language. The detailed publication on the network will help those people to find the location as well as other necessary data of the station.

(4) Accelerographs

i) SMAC-B2 Accelerograph

The SMAC-B2 accelerograph was developed by the Committee for the Standard Strong Motion Accelerograph. It is a three component mechanical accelerograph which leaves records on a rolled waxed paper. The specifications, inside view and theoretical frequency characteristics are shown in Table 2 and Figs. 2 and 3 respectively.

In the network of the Port and Harbour Research Institute the SMAC-B2 accelerograph is practically one of the standard accelerographs; it is because at the earlier time of the observation the SMAC-B2 accelerograph was one of the most latest models and suitable for the observation condition in port areas. After

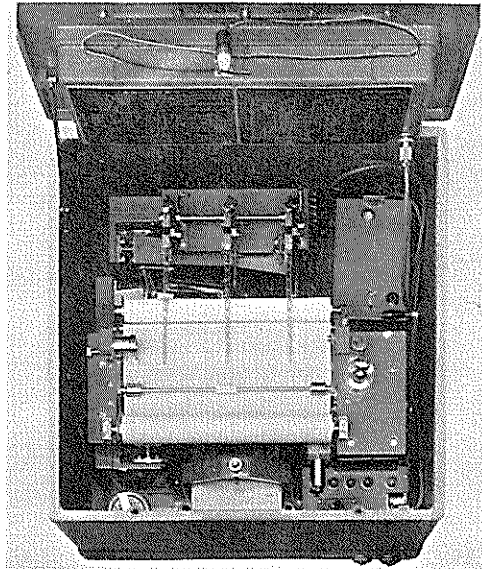


Fig.2 Inside View of the SMAC-B2 accelerograph

Table 2 Specifications of the SMAC-B2 accelerograph

Component	2 horizontal and 1 vertical
Natural period	0.14 sec.
Sensitivity	12.5 gals/mm
Damping	Critical
Damping mechanism	Air piston
Maximum recording acceleration	500 gals
Recording speed	10 mm/sec
Recording medium	Waxed paper
Driving mechanism for recorder	Hand-wound spring motor
Recording duration	3 min.
Recording capacity	5 earthquakes/roll
Starter	Electric contact made by vertical motion
Period of starter pendulum	0.3 sec.
Starter threshold	5 gals
Auxiliary starter	Mechanical, works at 100 gals
Time marking	1 sec.
Power supply	4 dry cells
Size	54 x 54 x 37 in cm
Net weight	100 kg

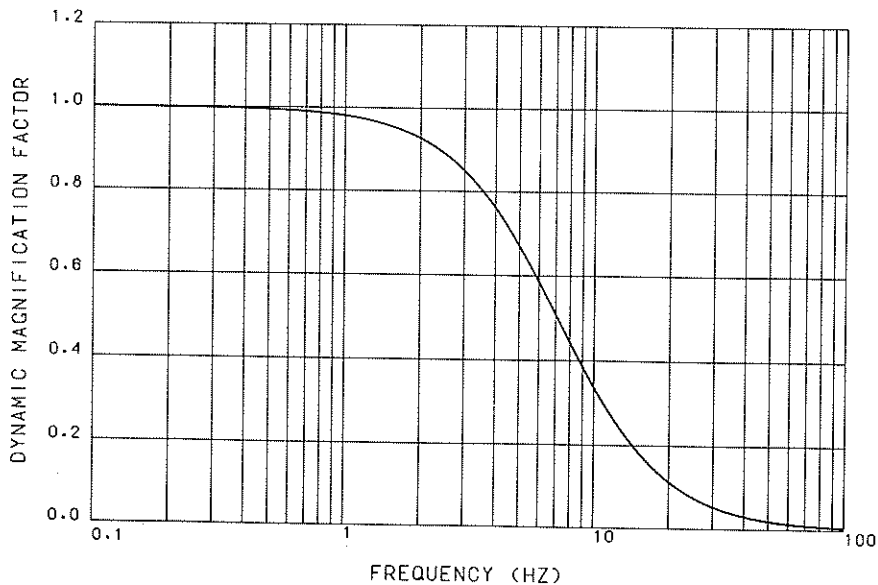


Fig. 3 Frequency characteristics of the SMAC-B2 accelerograph

the SMAC-B2 accelerograph several types of accelerograph were developed by the Committee. However, it is inconvenient to use many types of accelerograph in a network from view point of instrument characteristics and maintenance; and the number of the SMAC-B2 accelerograph in the network continued to increase.

The triggering levels of the accelerographs in the network are 5 gals in places where ground noise is small and 8 gals in places where ground noise is relatively large because of heavy motor trucks for construction work or cargo transportation. Exceptionally a few number of the accelerographs located beside roads carrying very heavy traffic are triggered at 11 gals.

ii) ERS Accelerograph

The ERS accelerograph was developed by the Earthquake Resistant Structures Laboratory. 13) In the network the SMAC-B2 accelerograph is very widely used. However, there are some places where the SMAC-B2 accelerograph is not convenient to be installed, especially on structures. For instance, if the earthquake response of a pier is going to be measured with the SMAC-B2 accelerograph, a house for the instrument will be constructed on the pier where many motor trucks and cargo handling equipments are working. It is almost always difficult to find a place on a port structures for the house. Then, it is considered that transducers and a recorder are separately installed in a member of a pier and in a house which is located in the vicinity of the transducers but not disturbing the cargo handling work.

The ERS accelerograph consists of transducers of moving coil type and a recorder including power supply. Originally magnetic tape data recorders were used; this type of accelerograph is called the ERS-A accelerograph. Recently the magnetic tape data recorders were replaced by the electro magnetic oscillographs and the new model is called as the ERS-B accelerograph.

In the ERS-B accelerograph the transducers are almost directly connected with galvanometers in the electro magnetic oscillograph; between them there exists only resistor circuits to adjust sensitivity and impedance matching. Non electronic amplifier is used to attain maximum reliability of the instrument. The overall sensitivity is more than 1 mm per gal and it is easily adjusted by changing resistors of the circuit. Therefore the ERS-B accelerograph has advantage to start the observation in its maximum sensitivity and after obtaining some records to readjust the sensitivity into the appropriate one for the strong-motion accelerograph. It will be enable for researchers to obtain the record of sufficient appropriate amplitude to analyze although the real acceleration amplitude is rather small and to start analyses from earlier stage of the observation.

The specifications of the ERS-B accelerograph are listed in Table 3, the transducer and the recorder are shown in Figs. 4 and 5. The frequency characteristics assuming that the recorder has sufficiently flat response for wide frequency range is shown in Fig. 6.

The triggering levels of the ERS-B accelerographs are similar to those of the SMAC-B2 accelerographs.

(5) Foundation and Housing

All the SMAC-B2 accelerographs in the network are installed on simple shallow foundations which were designed based upon the same idea. It was supposed that the shape and the dimensions of a foundation on which a seismograph is installed affects to the earthquake record obtained by it. However, as there was no convincing idea to design the

Table 3 Specifications of the ERS-B accelerograph

Transducer	
Type	Moving coil type
Component	2 horizontal
Natural period	0.5 sec.
Damping factor	17
Damping mechanism	Electro-magnetic
Capacity	250 gals
Coil impedance	320 ohm
Sensitivity	about 2 mv/gal (circuit open)
Water tightness	over 20 kg/cm ²
Recorder	
Type	Electro magnetic oscillograph
Natural period of galvanometer	100 Hz
Sensitivity	166 mm/mA
Recording paper	92 mm(width) x 30m (length) (visible without processing)
Paper speed	2 cm/sec.
Time mark	0.1 sec.
Power supply	
Rechargeable battery, charged automatically when it is necessary.	

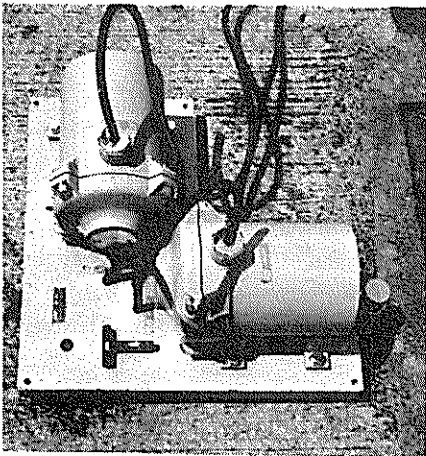


Fig. 4 Transducers of the ERS accelerograph



Fig. 5 Recorder of the ERS-B accelerograph

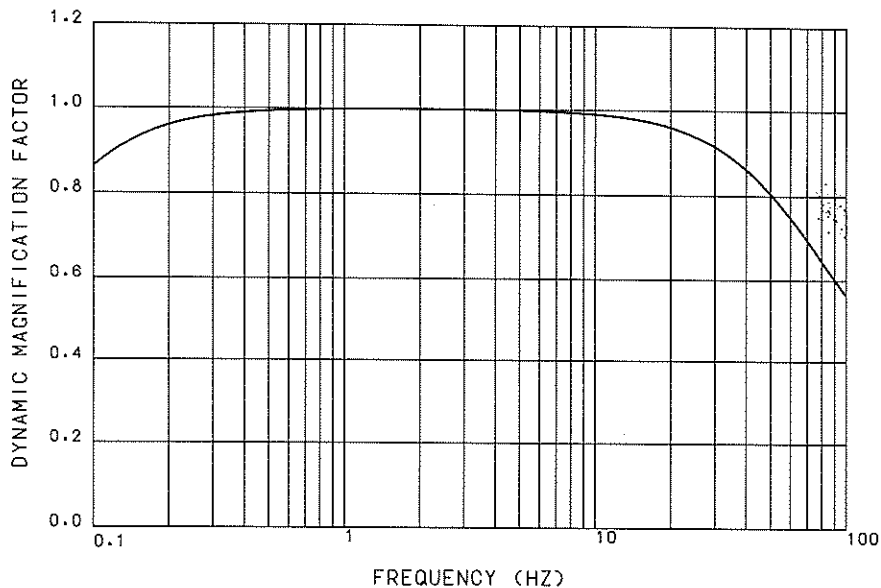


Fig. 6 Frequency characteristics of the ERS-B accelerograph

most suitable foundation, the foundations of almost same size and of same shape were selected for all the accelerographs in the network. This makes it easier to compare accelerograms of an earthquake recorded at several stations. As the most of the harbour structures have shallow foundations and do not rest on bed rock, it was decided to make shallow foundations for the accelerographs, as shown in Fig.7. The hollow space under the foundation was made to make the bulk density of the foundation equal to that of the soil, so that the disturbance to the records due to the foundation is eliminated.

Usually, no pile is used to support the accelerograph and its foundation, but in the stations on very soft soil or loose sand, concrete piles or wooden piles were used. For example, the foundations in the Hachinohe-S station and the Niigata-S station are supported by piles. The foundation is isolated from a housing covering the instrument.

In the network only two ERS-B accelerographs are installed on ground, and the standard foundation for this accelerograph

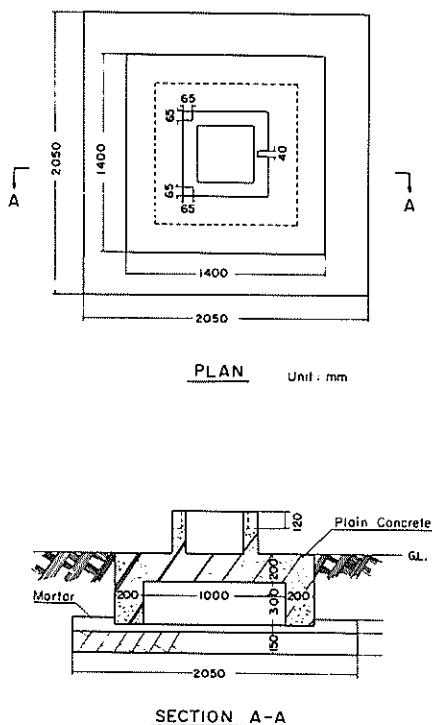


Fig. 7 Foundation for accelerograph (SMAC-B2)

has not been established. The shapes of the two foundations are shown in the separate reports. 9, 10)

The most of the accelerographs are covered with housings which were built for the instruments. Some of the accelerographs were installed in houses which had been built for other purposes. The housing built for the instruments are made of reinforced concrete or concrete blocks; some are prefabricated houses. In Fig.8, as an example, the housing of the Ofunado-bo-chi-S station is shown.

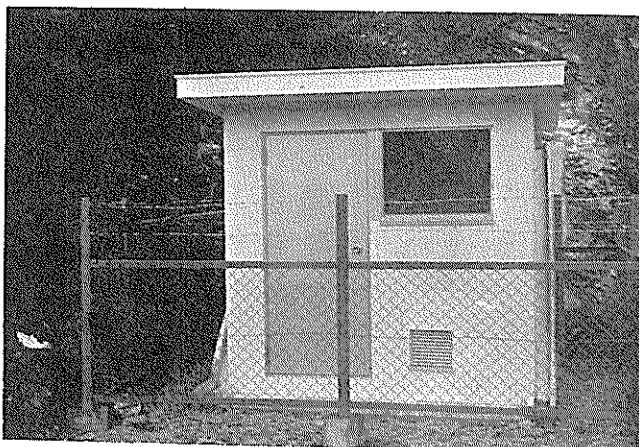


Fig. 8 Housing of the Ofunado-bo-chi-S Station

3. Accelerogram Processing

(1) Preliminary Processing

The accelerograms collected at the Earthquake Resistant Structures Laboratory will be listed in the table "Strong-Motion Earthquake Observation Results" through the following processing.

At first, each accelerogram is given a record number according to the order of its arrival at the Laboratory. The record number for the accelerogram from the SMAC-B2 accelerograph begins with a capital letter S, and that from the ERS accelerograph, with a capital letter M.

Then, the earthquake corresponding to the accelerogram is confirmed or determined. Most of the accelerograms are sent from the stations with information on the earthquake for which the accelerograms have been obtained. But a few of the accelerograms are sent without such information because the accelerograms have been found in the regular servicings, and at the station it is difficult to find the corresponding earthquake. For the accelerogram without the information, the earthquake is determined considering the possible period of the recording and the earthquakes occurred in that period. The determination or the check is made based on the Seismological Bulletin of the Japan Meteorological Agency. As the time of compilation of the annual report the Seismological Bulletins on the earthquakes in November and December are not available because of time lag of the publication after earthquakes, the preliminary reports (Jishin Kazan Gaikyo) are used to check the records in those months. Some of the accelerograms are impossible to determine their corresponding earthquakes even in the Laboratory and they are treated as

earthquake unknown. It will be noted that the reliability of the earthquake determination for accelerograms of small acceleration is limited because of such procedure.

In the SMAC-B2 accelerograph, the recording is made on waxed paper which has dark red background. The recording by scratching the waxed paper with a stylus leaves the semi-translucent trace on the paper. As the waxed paper is not stable against scratchings, the original accelerogram is not appropriate to be used for the digitization. The photographic contact print is made from the original accelerogram on a special photographic sheet. The base of the sheet is made of mylar film and very stable against temperature change, humidity, and mechanical distortion.

The sizes of a sheet are 78.0 cm in length and 36.5 cm in width. If the significant portion of the record is longer than about 60 cm, the copy will be made on two sheets or more; and a portion of about 10 cm of the record at the end of a sheet is overlappedly appearing in the successive sheet. After the processing, the copy has black traces and semi-translucent background. They are in very good contrast for the digitization.

The record from the ERS-B accelerograph is only chemically stabilized before being used for analysis.

From the stabilized original record or the photographic copy, the maximum accelerations of each component are read with the aid of a magnifying glass. In this reading the base-line setting is not so accurate as that made in digitizing the accelerogram, since this is just preliminary processing. The difference between two accuracies in base-line setting may cause a little difference between the maximum accelerations read with the magnifying glass and in the digitized record.

The accelerograms are classified in accordance with the earthquakes, and listed with their maximum accelerations in the tables "Strong-Motion Earthquake Observation Results". The items in the table will be explained in the following sub-sections. The Strong-Motion Earthquake Observation Results is compiled every two months and sent to all the stations. The copy of the accelerogram is also sent with the necessary direction on the maintenance of the instrument to the station where the accelerogram was obtained. The Strong-Motion Earthquake Observation Results are included in the later part of this report.

(2) Earthquake Data

The earthquake data except the remarks in the Strong-Motion Earthquake Observation Results are based upon the Seismological Bulletin of the Japan Meteorological Agency. Because of the reason explained previously regarding the checking of earthquakes, the data on earthquakes in November and December are based upon the preliminary reports. Some of the remarks come from different sources.

The time in the earthquake data refers to the Japan Standard Time (JST) which is earlier than GMT by 9 hours.

The class in the earthquake data is showing the scale of the earthquake based on the distance between the epicenter and the furthest point where the shock is felt. The classification criteria are shown in Table 4.

Table 4 Classification of Earthquakes (After Ref. 14)

Remarkable earthquake:	The distance of furthest point where shock is felt, is greater than 300 km.
Moderate earthquake:	The distance is smaller than 300 km, but greater than 200 km.
Earthquake of small felt area:	The distance is smaller than 200 km, but greater than 100 km.
Local earthquake:	The distance is smaller than 100 km.

The magnitude in the earthquake data is determined using Tsuboi's formula:

$$M = \frac{1}{2} \log (A_N^2 + A_E^2) + 1.73 \log \Delta - 0.83 \dots \dots \dots (1)$$

where, M is the magnitude; AN and AE are the maximum amplitudes of N-and E-components in micron respectively; and Δ is the epicentral distance in km. Those ground amplitudes are of seismometers with periods of about 5 seconds, and of waves shorter than 5 seconds. The magnitude is the averaged value over magnitudes for every $\sqrt{A_N^2 + A_E^2}$ reported by the stations of JMA.

The intensity of the shock is estimated according to the scale as shown in Table 5.

Table 5 JMA Seismic Intensity Scale (After Ref. 14)

0: NO FEELING

Shocks too weak to cause human feelings and registered only by a seismograph.

1: SLIGHT

Extremely feeble shocks only felt by persons at rest or by those who are observant to an earthquake.

2: WEAK

Shocks felt by most persons, slight shaking of doors and Japanese latticed sliding doors (shoji).

3: 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.

4: STRONG

Strong shaking of houses and buildings, overturning of unstable objects, spilling of liquids out of vessels.

5: VERY STRONG

Cracks in the walls, overturning of gravestones, stone lanterns etc., damage to chimneys and mud-and-plaster warehouses.

6: DISASTROUS

Demolition of houses by less than 30% in total number, landslips, fissures in the ground etc.

7: VERY DISASTROUS

Demolition of houses by more than 30%, intense landslips, large fissures in the ground, faults.

(3) Accelerograph Results

The items in the accelerograph results have been explained previously. The maximum accelerations are those determined by the preliminary processing.

The accelerogram whose earthquake is unknown is not listed in the table, if both of its maximum horizontal accelerations are smaller than 20 gals. If at least one of the maximum accelerations is larger than 20 gals, then it is listed in the table, but the earthquake data can not be given.

4. Digitization

(1) Digitizer

Two strong-motion accelerogram digitizers are being used in the Port and Harbour Research Institute. Each of them consists of three components, namely, a digitizer table, an analog to digital converter, and a paper tape punch. The specifications and the view of the digitizer are given in Table 6 and Fig. 9, respectively.

Table 6 Specifications of digitizers

Digitizer Table	
Sizes of table to accommodate accelerogram	785 mm (X) x 365 mm (Y)
Effective area	500 mm (X) x 275 mm (Y)
Magnifying glass	7x, with a cross mark and illumination
Translation of magnifying glass	
Y-axis	manual by rotating a wheel
X-axis	automatic, after perforating value in paper tape punch by 0.1, 0.2, or 0.3 mm
Analog to Digital Converter and Control	
Resolution (overall)	over 125 counts per a millimeter
Linearity	0.01% + 1 count
Conversion rate	0.4 sec.
Indication	
Y-axis	sign and 4 digits
X-axis	5 digits
Paper Tape Punch	
Paper tape	International 8 unit specification
Code	Flexo-writer code

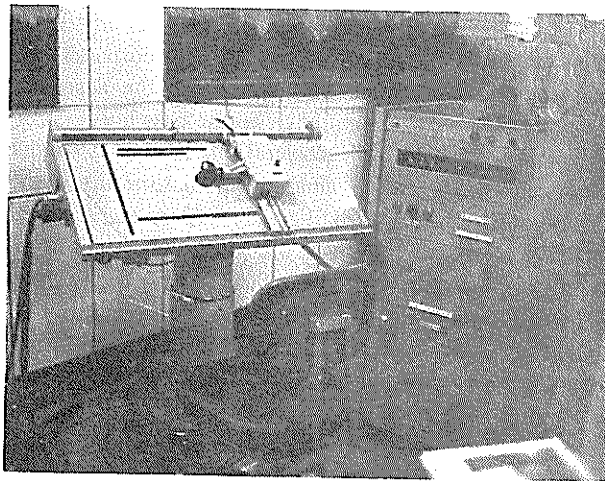


Fig. 9 Digitizer

The digitizer works in the following way. On the digitizer table there is a magnifying glass which can be translated along the Y-axis by rotating a small wheel near the glass. A potentiometer is connected to the wheel, and the electric analog output corresponding to the position of the magnifying glass is available from the potentiometer. The magnifying glass has a cross mark and a lamp to illuminate the accelerogram within its range. The operator places the cross mark on the trace and pushes a push-switch; then the analog output from the potentiometer is converted, by the analog to digital converter, into a digital value which will be perforated on the paper tape. The digital value is also displayed on the panel of the housing of the electronic circuits. After the conversion from analog to digital, the magnifying glass is automatically shifted along the X-axis by 0.1, 0.2, or 0.3 mm depending on the pre-determined selection made on the panel. The code to perforate the value is the Flexo-writer code, and the paper tape will be called the Flexo tape hereinafter.

(2) Digitization and Correction

Preceding the digitization of each accelerogram the sensitivity of the digitizer is calibrated with a dial gauge. The original or copy of the accelerogram is mounted on the table, and the base line location is adjusted. Then, the digitization is made by an operator in the procedure described in the preceding section. When the accelerogram recorded in the SMAC-B2 accelerograph is digitized, the sensitivity is set at 125 counts per millimeter, and a step of shifting of the magnifying glass is 0.1 mm which is equivalent to 0.01 sec. in the recording time.

The Flexo tape is read into the digital computer in the computer center of the institute and recorded on a magnetic tape. The values read from the Flexo tape are again perforated on the paper tape in the special code in binary mode. This paper tape will be called the binary tape hereinafter. The binary tape is used as an input to the digital to analog converter, and the output from this converter is recorded with an ink-writing oscillograph in appropriate amplitude. In this way, the original record is enlarged.

The enlarged reproduction of the accelerogram is used to examine the appropriateness of the base line location and the digitization. When there is any defect in the base line location or in the digitized values, the record in the magnetic tape will be corrected in the computer. As the recording pen of the SMAC-B2 accelerograph moves along an arc and the trace is digitized in a rectangular co-ordinates, the arc error introduced in time values is corrected at the same time. The acceleration values are not corrected, since the sensitivity of the SMAC-B2 accelerograph is defined as the ratio of the acceleration applied to the displacement of the pen measured at a right angle to the base line.

After the correction, the digitized accelerations are series of values at unequal time intervals, but they are converted into values at equal time intervals by means of linear interpolation. The reason to make the digitized record at equal time intervals is that the record obtained in the ERS-B accelerograph used in the network does not introduce such arc error and is digitized always at equal time intervals. It is convenient to have digitized records in one standard format in their application. The digitized record at equal time intervals is convenient also for converting them with a digital to analog converter into analog electric voltage which will be used as an input to an analog computer.

5. Digitized Record

The Earthquake Resistant Structures Laboratory intends to digitize all the accelerograms with maximum acceleration larger than 20 gals, in the procedure described in the preceding section. The final results of the digitization which is called digitized record is listed in the format shown in the later part of this report and recorded on magnetic tapes for future uses.

In the listing of digitized record, the values continue from top to bottom of the column and then from a left column to a right one. The number in parentheses at top of each column indicates the order of the first value in the column from the beginning of the digitized record. The acceleration values are in gals. The time interval between successive values is printed in the second line of the listing, usually it is 0.01 second.

For permanently storing the digitized record the magnetic tape is not ideal because of danger to be erased by mistake or accident. Also there is a problem on compatibility of recorded tape between computers. On the other hand, the listing is very inconvenient to input the data into a computer. Today it seems that the IBM 80 column card is the best medium to store permanently the digitized record from view point of stability, convenience and compatibility between computers. The Earthquake Resistant Structures Laboratory started to prepare punched cards of the digitized records which are at present stored in from of the magnetic tape and the listing.

The card format design of the laboratory may be interesting for many investigators and engineers since unified card format among the users can create large advantage in work with digitized records of strong motion earthquakes. The card is designed as shown in Fig. 10

Fig. 10 Card format of digitized record

and its format will be understood from the following Fortran statements to read the data in the card into a computer:

```
READ (5,100) (ACC(I), I=1,8), RN, COM, CN
100 FORMAT (8F8.2, A8, A4, I4)
```

where ACC is the variable name for acceleration; RN, the record number; COM, the component; and CN, the card number

6. Analog Record

Analog reproduction of the records with maximum acceleration exceeding 20 gals are presented in the later part of this report. They are computer plots of digitized records which are processed in the procedure explained in the following section. For the records with maximum accelerations ranging from 20 to 50 gals, only horizontal components are shown; and for those exceeding 50 gals, three components are shown. It should be noted that in the analog records the scaling of acceleration amplitude are different for the records exceeding and not exceeding 50 gals.

The direction written above and below each trace corresponds to the direction of the ground acceleration when the ground motion is harmonic one of frequency lower than the natural frequency of the pendulum of the accelerograph.

In the previous reports on the observations before 1970, the reproduced accelerograms which were the offset prints from the original accelerograms, were included. However, the Strong-Motion Earthquake Observation Council whose secretariat is in the Planning Section of the National Research Center for Disaster Prevention began to publish analog reproductions of accelerograms obtained in the networks of different organizations. 15) As the accelerograms obtained in the network of the Port and Harbour Research Institute are included in it, this report does not contain the analog reproductions from the original accelerograms. However, to give visual impressions to the person who wish to use the digitized records in this report, the computer plots of the digitized records are prepared.

7. Preliminary Analyses

(1) Response Spectrum

The response spectra in the previous annual reports before 1968 were calculated from the digitized records by a digital computer using the Runge-Kuta-Gill method to integrate numerically the equation of motion of the oscillator. The response spectra in the present report were calculated with a step by step calculation of the exact solution to the governing differential equation. 16) No significant difference was seen in the results calculated by the both methods, according to the trial calculations.

The time interval of each step of the calculation is 0.01 second for the oscillators of natural periods longer than 0.2 second. For the oscillators of shorter periods, the small time intervals are selected so that one cycle of the undamped free oscillation of the oscillator is covered at least by 20 steps of the numerical calculation, to maintain the necessary accuracy. In these calculation, the digitized records at smaller time intervals are made by means of the interpolation in the computer. The response spectra are provided in numerical tables as well as in the figures.

To calculate the response spectrum, entire length of the record is not necessary; the last part of the record after the maximum response have appeared, is practically meaningless in the response calculation. Besides, the shorter record is more preferable from view point of the calculation time. On some long records, their beginning parts of small acceleration are not used in the calculation so far as it is thought that the neglected parts do not affect the results of the calculation. The length of the record used for the calculation and the length of the beginning part which is not used, are shown in the numerical table as the time length and the skipped length respectively.

Although the smallest natural period in the response spectra in this report is 0.05 second, the spectral values for the shorter natural periods should be used taking the frequency characteristics of the SMAC-B2 accelerograph in mind. The ERS accelerograph has wider frequency range than that of the SMAC-B2 accelerograph and such caution is not necessary on the response spectra of the record by the ERS accelerograph.

(2) Fourier Spectrum

The Fourier spectra in this report are plots of the coefficients of the real Fourier series versus the periods. The real Fourier series of a periodic function is expressed by the following equation:

$$f(t) = a_0 + \sum_{m=1}^{\infty} \left(a_m \cos \frac{2\pi m}{T} t + b_m \sin \frac{2\pi m}{T} t \right) \dots \dots \dots (2a)$$

$$a_0 = \frac{1}{T} \int_0^T f(\tau) d\tau \dots \dots \dots (2b)$$

$$a_m = \frac{2}{T} \int_0^T f(\tau) \cos \frac{2\pi m}{T} \tau d\tau \dots \dots \dots (2c)$$

$$b_m = \frac{2}{T} \int_0^T f(\tau) \sin \frac{2\pi m}{T} \tau d\tau \dots \dots \dots (2d)$$

in which $f(t)$ is the periodic function; and T is the period. Although this series is, in principle, applicable only to a periodic function and no earthquake is periodic, the coefficients a and b are calculated on the most significant part of the records. The resultant c of the two coefficients are plotted in the figures which will appear in the later part of this report. The coefficient c given by,

$$c_m = \sqrt{a_m^2 + b_m^2} \dots \dots \dots (3)$$

is a discrete quantity against the period, in the figures however, the successive values are connected with straight lines to show the shape of the spectrum as a whole.

The length of the record used for the spectrum calculation are usually 5 seconds including the maximum acceleration. In the figures, TSK indicates the beginning of the used part for the calculation counted from the starting point of the digitized record in second; TUS indicates the length of the used part in second.

The Fourier spectrum in this report have been provided temporarily to give engineers the information to select the most appropriate record for their response calculation. In the future routine analyses of the Laboratory, the Fourier spectra described previously, will be replaced with more suitable spectra to represent the frequency characteristics of the strong-motion earthquake record.

8. Summary of Observation

Since 1962, more than 700 records were obtained in the network of the Port and Harbour Research Institute, and most of the important records were analysed by the authors. In Table 7, a statistical summary of the observation is given. In the table, record numbers of accelerograms of which the digitized records and the spectra have been

Table 7 Statistical Summary of the Obtained Records on the SMAC-B2 Accelerographs

Station	Total number of records	Number of records exceeding 20gals in max.	Number of records exceeding 50gals in max.	Records which have been digitized (Ref. No. *)
Kushiro-S	22	9	4	S-98(No.62), S-369(No.98), S-634(No.136) S-674(No.160)
Tomakomai-S	5	2	0	
Muroran-S	25	6	2	S-234(No.80), S-241(No.80), S-399(No.80)
Otaru-S	5	0	0	
Aomori-S	10	5	3	S-235(No.80), S-264(No.80), S-304(No.80) S-400(No.80), S-670(No.160)
Hachinohe-S	85	8	1	S-252(No.80), S-310(No.80), S-401(No.80) S-669(No.160)
Miyako-S	14	11	7	S-236(No.80), S-271(No.80), S-312(No.80) S-273(No.98), S-420(No.98), S-537(No.116) S-554(No.116)
Ofunado-bochi-S	1	1	1	
Ofunado-bo-S	32	7	7	
Shiogama-Kojo-S	3	0	0	
Onahama-S	43	4	1	S-111(No.62)
Kashima-ji-S	3	0	0	
Chiba-S	13	1	0	
Shinagawa-S	16	6	0	S-192(No.64), S-340(No.98)
Shinagawa-M	1	1	0	
Kawasaki-dai5-chi-M	3	0	0	
Kawasaki-dai5-ko-M	2	0	0	
Keihin-ji-S	47	5	0	
Yamashita-hen-S	63	7	2	S-412(No.98), S-658(No.160)
Yamashita-dai6-S	37	5	3	
Yamashita-dai7-M	6	2	0	
Koken-S	7	1	0	
Koken-M	3	0	0	
Tagonoura-S	7	2	0	
Okitsu-S	5	0	0	
Shimizu-kojo-S	9	1	1	S-74(No.62)
Shimizu-Sekitan-S	6	2	1	
Shimizu-Sekitan-M	0	0	0	
Kinuura-S	3	2	2	S-480(No.100), S-585(No.136)
Nagoya-zokan-S	13	3	1	S-1(No.55), S-20(No.55), S-578(No.136)
Nagoya-inae-S	4	3	0	
Inae-sanbashi-M	0	0	0	
Inae-yaita-M	0	0	0	
Yokkaichi-chitose-S	2	1	1	S-577(No.136)
Yokkaichi-sekitan-M	2	0	0	
Yokkaichi-dai2-M	3	0	0	
Wakayama-ji-S	11	4	2	S-187(No.64), S-265(No.98), S-266(No.98)
Wakayama-ganpeki-S	0	0	0	
Osaka-ji-S	4	0	0	
Osaka-chuo-S	5	1	0	
Amagasaki-S	0	0	0	
Kobe-ji-S	5	2	0	
Kobe-dai6-S	6	1	0	
Kobe-dai8-S	7	0	0	
Maya-dai1-M	1	0	0	
Maya-dai2-M	1	0	0	
Komatsujima-S	4	0	0	
Kochi-S	16	3	1	S-211(No.98)
Matsuyama-S	0	0	0	
Hiroshima-S	4	2	2	S-364(No.98)

Station	Total number of records	Number of records exceeding 20gals in max.	Number of records exceeding 50gals in max.	Records which have been digitized (Ref. No.*)
Oita-S	0	0	0	
Hososhima-S	28	7	4	S-213(No.98), S-463(No.100), S-544(No.116) S-545(No.116)
Kagoshima-S	19	2	0	
Tsuruga-S	13	1	0	
Kanazawa-S	4	1	0	
Toyama-S	0	0	0	
Niigata-S	9	1	0	
Sakata-S	11	3	0	
Akita-S	14	3	1	S-655(No.160)
Ofunado-S	21	3	2	S-140(No.64), S-282(No.98), S-361(No.98)
Shiogama-S	19	1	0	
Kashima-S	32	9	3	S-196(No.64), S-612(No.136), S-647(No.136)
Yokkaichi-ji-S	5	2	0	

* Reference No. corresponds to the number of the Technical Note of the Port and Harbour Research Institute in which the digitized record appeared.

published are shown. The number in the parentheses behind each record number is showing the number of the Technical Note of the Port and Harbour Research Institute in which the digitized record appeared.

The results of the observation and analyses are being used widely for designing structures and earthquake engineering research. For examples, the results were used to compile the average response spectra depending upon subsoil conditions, to study effects of vertical ground motions to stability of rigid structures during earthquakes, to investigate base-rock motions and for many earthquake engineering researches and practices. 17~19)

Acknowledgements

This report largely depends upon the people who serviced the instruments so effectively, although they have handfull daily jobs and the servicing is quite additional. Their efforts should be appreciated not only by the authors but also by all the people who receive any benefit from the report. The authors also wish to express their appreciation to the organizations in concern, for their considerable supports to the observation.

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Observation Results
and
Preliminary Analyses

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	07:22 January 8, 1972	Intensities III Kochi Matsuyama II Tadotsu I Uwajima Takamatsu Tokushima
Location of Hypocenter		
Epicentral Region	Kochi-Ehime Border.	
Latitude	33.8°N	
Longitude	133.3°E	
Depth		
Class	Small felt area	
Magnitude	4.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kochi-S	on ground	S-649	13	9	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	23:41 January 27, 1972	Intensities III Tokyo Chiba II Ajiro Yokohama I Mito
Location of Hypocenter		
Epicentral Region	Eastern Yamanashi Pref.	
Latitude	35.7°N	
Longitude	139.1°E	
Depth	40 km	
Class	Small felt area	
Magnitude	4.8	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Keihin-ji-S	on ground	S-651	2	2	1	
Yamashita-hen-S	on ground	S-652	8	1.1	1	
Tagonoura-S	on ground	S-653	2	3	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	20:51 February 12, 1972	Intensities
Location of Hypocenter		
Epicentral Region	Off Ibaraki Pref.	III Choshi
Latitude	35.9°N	II Chiba
Longitude	140.8°E	I Mito
Depth	30 km	
Class	:Small felt area	
Magnitude	4.6	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kashima-ji-S	on ground	S-654	4	3	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	07:05 February 17, 1972	Intensities
Location of Hypocenter		
Epicentral Region	Off Akita Pref.	II Akita
Latitude	39.8°N	
Longitude	139.9°E	
Depth	20 km	
Class	Local	
Magnitude	4.0	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Akita-S	on ground	S-655	21	78	5	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	18:23 February 29, 1972	Intensities VI Hachijojima IV Tokyo Choshi Onahama Oshima Yokohama Chiba III Miyako Ofunado Shizuoka II Sakata Kushiro Hachinohe I Toyama Osaka Aomori Akita Tomakomai
Location of Hypocenter		
Epicentral Region	E Off Hachijojima.	
Latitude	33.2°N	
Longitude	141.3°E	
Depth	70 km	
Class	Remarkable	
Magnitude	7.0	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Koken-S	on ground	S-656	25	16	13	
Keihin-ji-S	on ground	S-657	31	30	16	
Yamashita-hen-S	on ground	S-658	59	50	12	
Yamashita-dai6-S	on structure	S-659	73	50	19	
Kashima-S	on ground	S-660	19	15	6	
Chiba-S	on ground	S-661	19	21	13	
Tagonoura-S	on ground	S-662	19	38	10	
Onahama-S	on ground	S-663	--	--	--	
Shinagawa-S	on ground	S-664	31	31	13	
Okitsu-S (To be continued)	on ground	S-665	1	2	2	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	18:23 February 29 (Cont.)	Intensities
Location of Hypocenter		
Epicentral Region		
Latitude		
Longitude		
Depth		
Class		
Magnitude		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
(Continued)						
Kawasaki-chi-M	on ground	M-17	42	46		
Kawasaki-ko-M	on structure	M-18	50	52		
Yamashita-dai7-M	on structure	M-19	--	--		

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	00:58 March 20, 1972	Intensities IV Aomori Hachinohe III Miyako Hakodate Tomakomai Ofunado II Kushiro Muroran Onahama I Tokyo
Location of Hypocenter		
Epicentral Region	E Off Aomori Pref.	
Latitude	40.9°N	
Longitude	142.0°E	
Depth	80 km	
Class	Remarkable	
Magnitude		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Miyako-S	on ground	S-666	44	49	21	
Akita-S	on ground	S-667	9	3	1	
Muroran-S	on ground	S-668	21	25	5	
Hachinohe-S	on ground	S-669	59	44	24	
Aomori-S	on ground	S-670	50	53	21	
Ofunado-bo-S	on structure	S-671	--	6	--	
Kushiro-S	on ground	S-672	13	15	6	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	23:14 April 11, 1972	Intensities III Urakawa II Hiroo Kushiro Tomakomai
Location of Hypocenter		
Epicentral Region	Southern Hokkaido.	
Latitude	42.3°N	
Longitude	143.0°E	
Depth	50 km	
Class	Moderate	
Magnitude	5.0	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Muroran-S	on ground	S-673	5	5	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	09:45 May 11, 1972	Intensities IV Kushiro III Hiroo II Nemuro Obihiro I Akita Hachinohe
Location of Hypocenter		
Epicentral Region	Off Kushiro.	
Latitude	42.6°N	
Longitude	144.9°E	
Depth	60 km	
Class	Remarkable	
Magnitude	5.8	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kushiro-S	on ground	S-674	85	44	25	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	00:21 June 16, 1972	Intensities IV Urakawa III Tomakomai II Kushiro I Ofunado Muroran Hachinohe
Location of Hypocenter		
Epicentral Region	Southern Hokkaido.	
Latitude	42.2°N	
Longitude	143.2°E	
Depth	60 km	
Class	Remarkable	
Magnitude	5.4	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Tomakomai-S	on ground	S-676	4	6	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	00:29 June 22, 1972	Intensities	III Miyazaki Aburatsu
Location of Hypocenter		II Nobeoka	
Epicentral Region	Off Miyazaki Pref.	I Oita	
Latitude	31.8°N		
Longitude	132.0°E		
Depth	10 km		
Class	Remarkable		
Magnitude	5.4		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hososhima-S	on ground	S-678	16	23	4	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	15:09 June 22, 1972	Intensities	III Miyazaki
Location of Hypocenter		II Nobeoka	
Epicentral Region	Off Miyazaki Pref.	I Kagoshima	
Latitude	31.8°N		
Longitude	132.0°E		
Depth	10 km		
Class	Small felt area		
Magnitude	5.0		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hososhima-S	on ground	S-679	6	6	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	10:04 July 4, 1972	Intensities IV Ofunado III Ishimaki II Miyako I Tokyo Onahama Hachinohe Mito
Location of Hypocenter		
Epicentral Region	Off Miyagi Pref.	
Latitude	38.5°N	
Longitude	142.2°E	
Depth	40 km	
Class	Remarkable	
Magnitude	5.7	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Ofunado-bo-S	on structure	S-688	15	56	6	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	14:39 July 29, 1972	Intensities II Onahama Mito
Location of Hypocenter		
Epicentral Region	Off Fukushima Pref.	
Latitude	37.1°N	
Longitude	141.1°E	
Depth	60 km	
Class	Moderate	
Magnitude	4.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Onahama-S	on ground	S-681	3	4	4	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	19:09 August 20, 1972	Intensities
Location of Hypocenter		III Sakata Akita
Epicentral Region	Central Yamagata Pref.	II Niigata
Latitude	38.6°N	I Aomori Ishimaki
Longitude	140.0°E	
Depth	20 km	
Class	Moderate	
Magnitude	5.3	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Sakata-S	on ground	S-682	28	44	6	
Akita-S	on ground	S-683	14	14	1	
Niigata-S	on ground	S-684	11	13	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	16:54 August 31, 1972	Intensities
Location of Hypocenter		IV Kyoto
Epicentral Region	Eastern Kyoto Pref.	III Tsuruga
Latitude	35.3°N	II Kobe Tsu
Longitude	135.6°E	I Osaka Nagoya
Depth	10 km	
Class	Moderate	
Magnitude	5.1	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Tsuruga-S	on ground	S-685	10	20	8	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	17:07 August 31, 1972	Intensities III Tokyo Tsuruga II Toyama Tsu Nagoya Yokohama I Osaka Onahama
Location of Hypocenter		
Epicentral Region	Fukui-Gifu Border.	
Latitude	35.9°N	
Longitude	136.8°E	
Depth	10 km	
Class	Remarkable	
Magnitude	6.0	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Tsuruga-S	on ground	S-686	4	4	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	18:27 September 25, 1972	Intensities IV Ishimaki III Ofunado Miyako II Onahama Hachinohe Tokyo I Kushiro Mito
Location of Hypocenter		
Epicentral Region	Off Miyagi Pref.	
Latitude	38.3°N	
Longitude	142.1°E	
Depth	50 km	
Class	Remarkable	
Magnitude	5.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Shiogama-kojyo-S	on ground	S-691	19	38	15	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	20:31 October 6, 1972	Intensities
Location of Hypocenter		IV Omaebashi
Epicentral Region	SW Off Izu Pen.	III Shizuoka Ishirozaki
Latitude	34.4°N	II Tokyo Tateyama Hamamatsu
Longitude	138.5°E	I Nagoya Yokohama
Depth	30 km	
Class	Moderate	
Magnitude	5.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Shimizu-sekitan-S	on structure	S-693	15	19	4	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	10:48 October 18, 1972	Intensities
Location of Hypocenter		III Tokyo Chiba Yokohama
Epicentral Region	Northern Chiba Pref.	II Tateyama Ajiro Choshi
Latitude	35.7°N	I Onahama Katsuura
Longitude	140.1°E	
Depth	80 km	
Class	Moderate	
Magnitude		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Chiba-S	on ground	S-694	4	5	1	
Yamashita-hen-S	on ground	S-695	8	11	3	
Keihin-ji-S	on ground	S-696	6	4	1	
Yamashita-dai6-S	on structure	S-697	5	4	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	03:11 October 28, 1972	Intensities III Tsuruga II Tsu I Nagoya Yokkaichi
Location of Hypocenter		
Epicentral Region	Central Shiga Pref.	
Latitude	35.3°N	
Longitude	136.2°E	
Depth	50 km	
Class	Local	
Magnitude	4.3	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Tsuruga-S	on ground	S-698	9	13	2	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	00:24 November 2, 1972	Intensities III Hachinohe Urakawa II Miyako Kushiro Aomori I Muroran Ofunado Hakodate
Location of Hypocenter		
Epicentral Region	Eastern Aomori Pref.	
Latitude	41.2°N	
Longitude	143.1°E	
Depth	60 km	
Class	Remarkable	
Magnitude		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hachinohe-S	on ground	S-699	13	8	4	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	20:40 November 6, 1972	Intensities
Location of Hypocenter		III Tokyo Yokohama
Epicentral Region	SW Ibaragi Pref.	II Onahama Tateyama
Latitude	36.2°N	I Choshi
Longitude	139.8°E	
Depth	40 km	
Class	Small felt area	
Magnitude		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Yamashita-hen-S	on ground	S-700	4	5	1	
Keihin-ji-S	on ground	S-701	4	4	3	
Shinagawa-S	on ground	S-702	25	20	6	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	19:16 December 4, 1972	Intensities
Location of Hypocenter		VI Hachijojima
Epicentral Region	E Off Hachijojima.	IV Tokyo Tateyama Chiba Yokohama
Latitude	33.2°N	Onahama
Longitude	141.0°E	III Ofunado
Depth	30 km	II Kushiro Hachinohe Miyako
Class	Remarkable	I Sakata Niigata Nagoya Yokkaichi
Magnitude	7.3	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Chiba-S	on ground	S-703	23	16	6	
Shinagawa-S	on ground	S-704	26	19	6	
Koken-S	on ground	S-705	15	10	5	
Yamashita-hen-S	on ground	S-706	35	46	8	
Yamashita-dai6-S	on structure	S-707	56	40	14	
Shimizu-sekitan-S	on structure	S-708	11	20	4	
Ofunado-bo-S	on structure	S-710	13	41	8	
Onahama-S	on ground	S-711	18	23	9	
Shiogama-kojyo-S	on ground	S-713	18	23	8	
Kashima-ji-S	on ground	S-714	6	8	3	
Yamashita-dai7-M	on structure	M-20	--	--		
Koken-M	on ground	M-21	19	19		

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

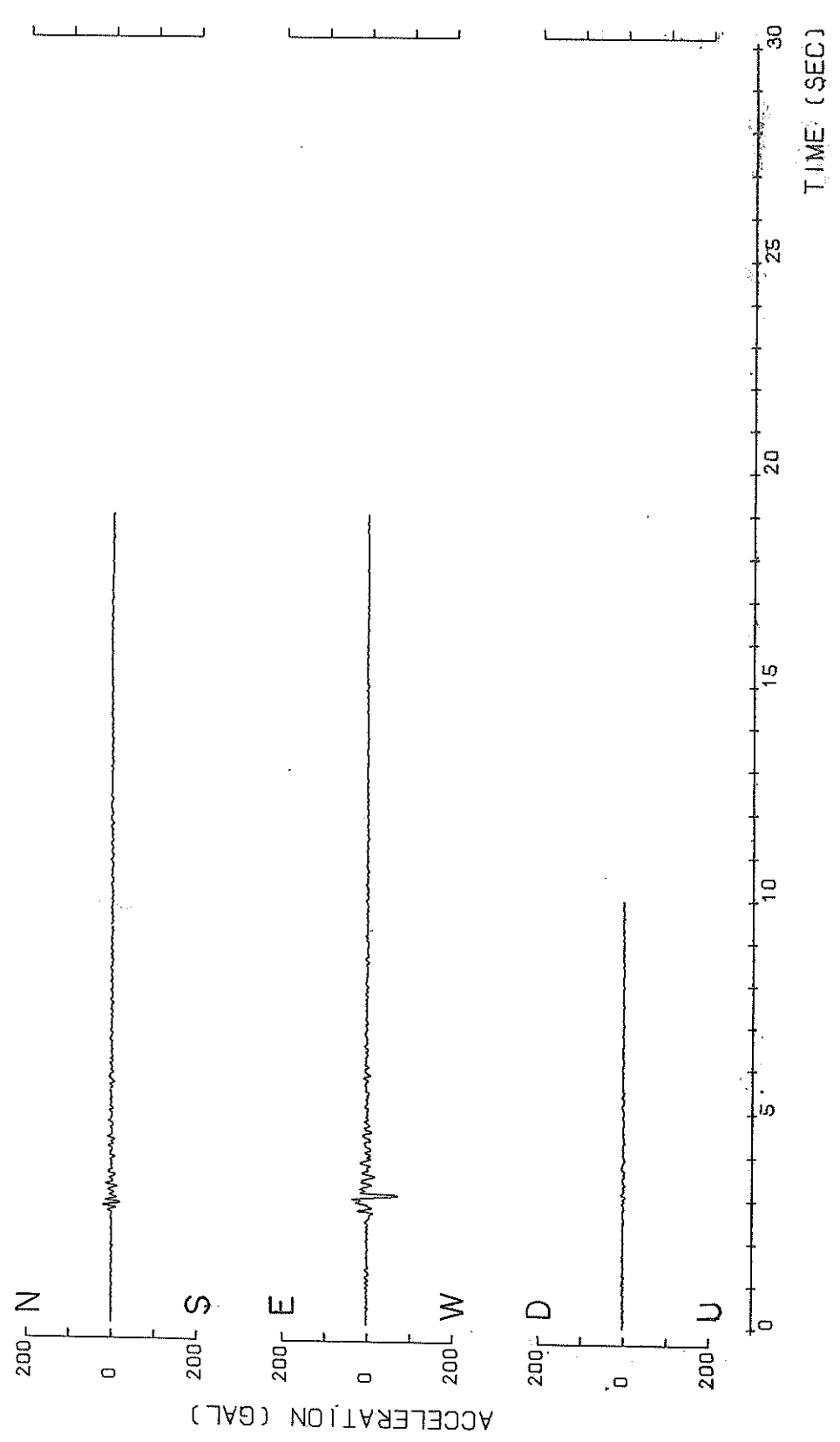
EARTHQUAKE DATA

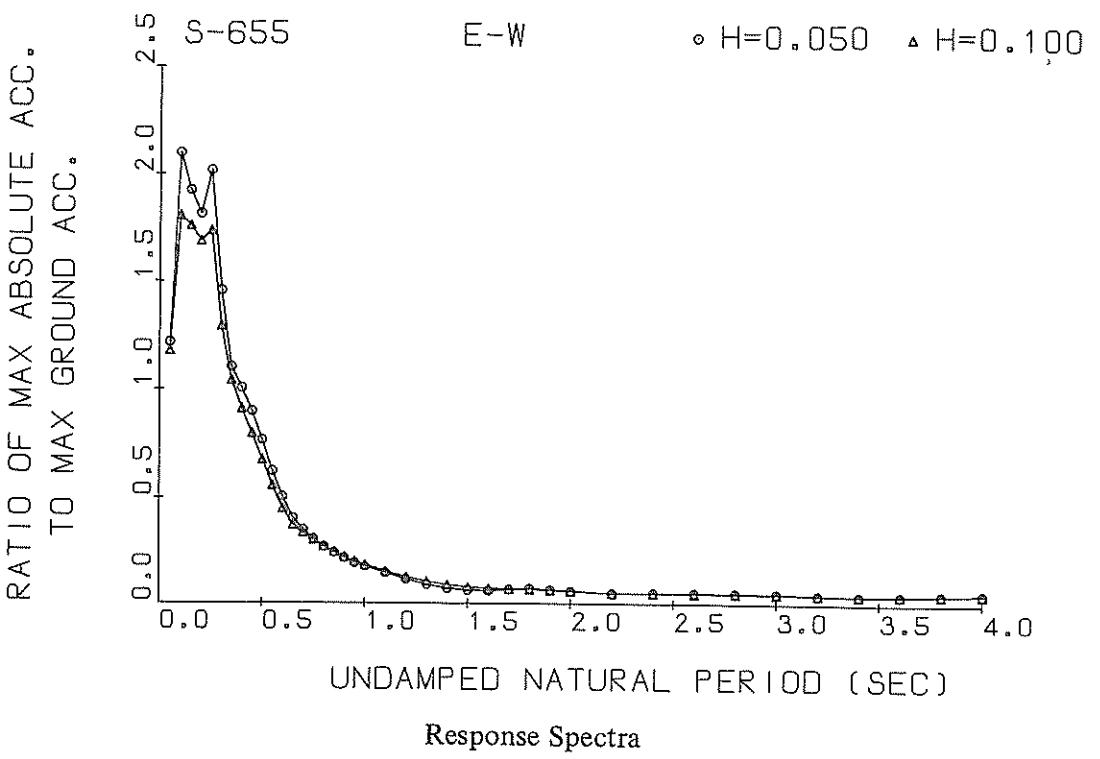
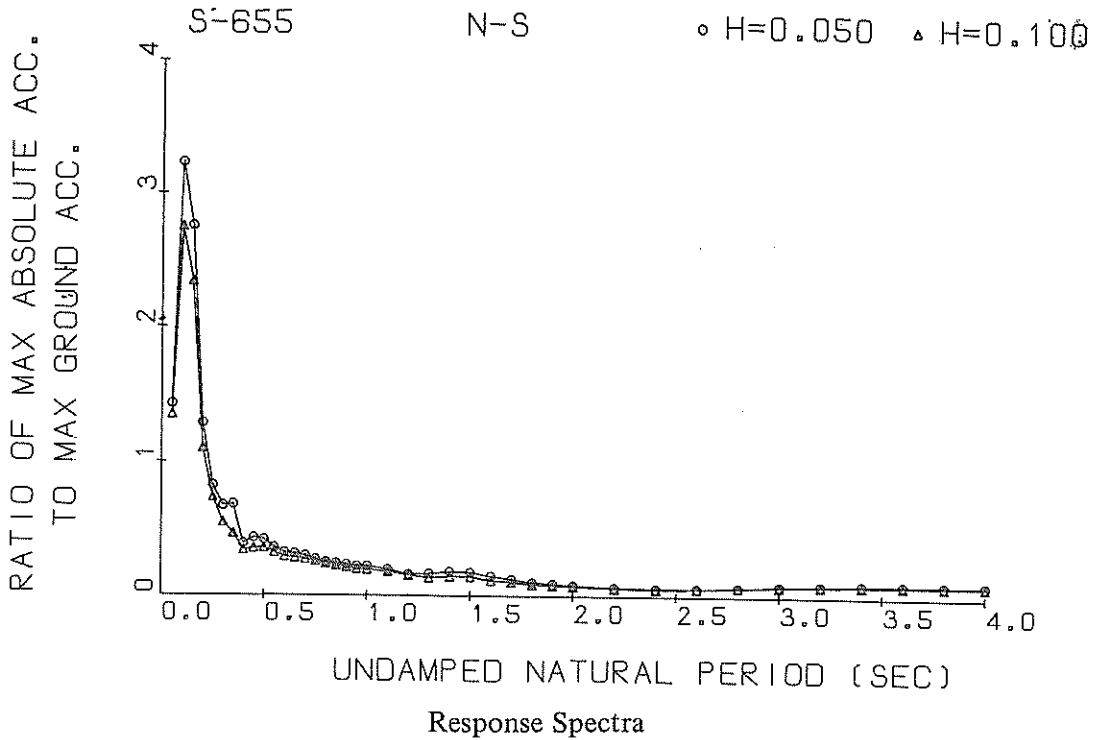
Date and Time	08:38 December 8, 1972	Intensities III Tokyo Yokohama Chiba II Ajiro Tateyama I Mito
Location of Hypocenter		
Epicentral Region	Northern Tokyo Bay.	
Latitude	35.6°N	
Longitude	140.1°E	
Depth	60 km	
Class	Small felt area	
Magnitude		

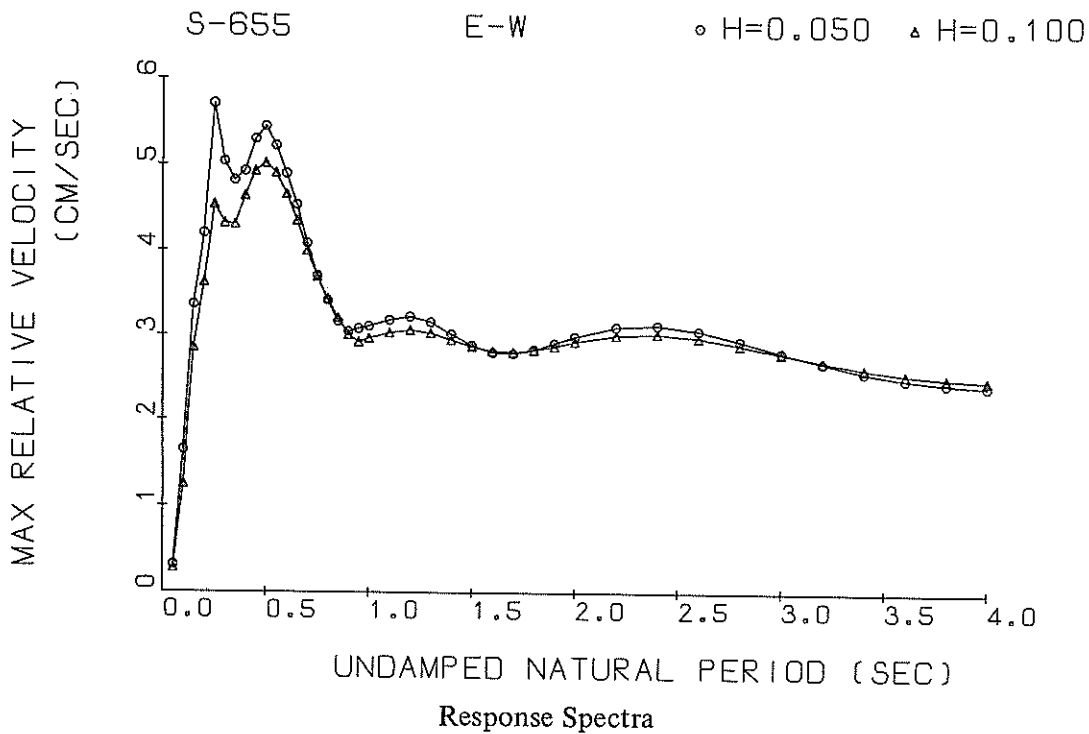
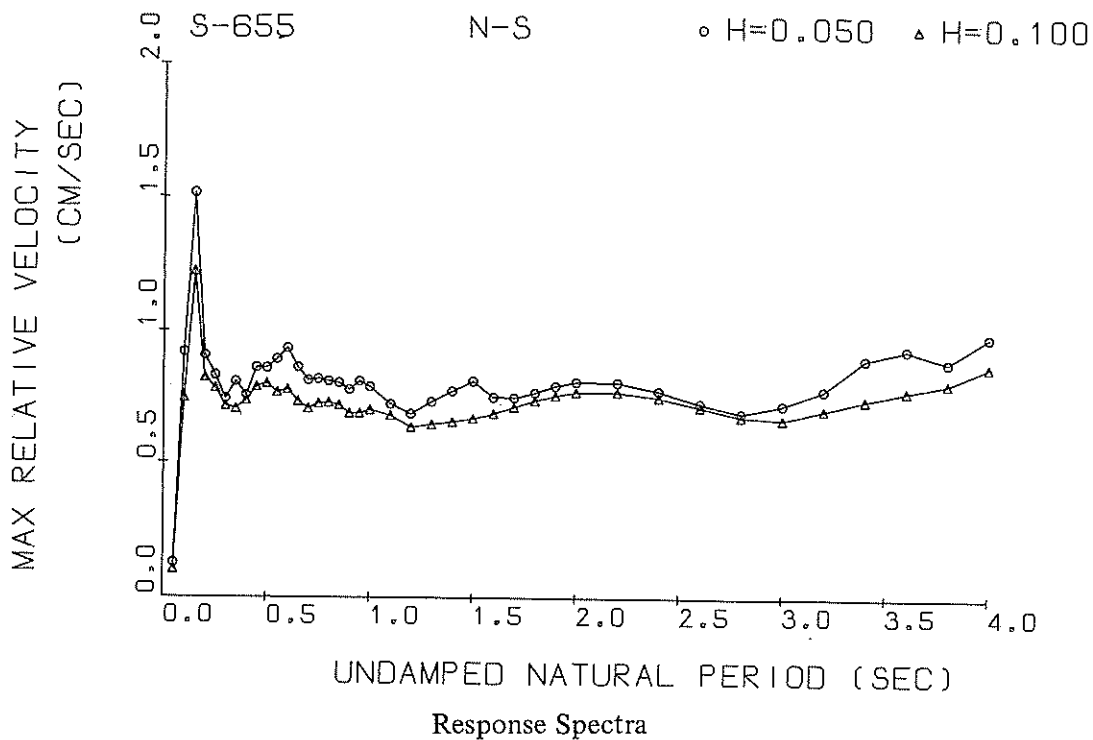
STRONG-MOTION ACCELEROGRAPH RESULTS

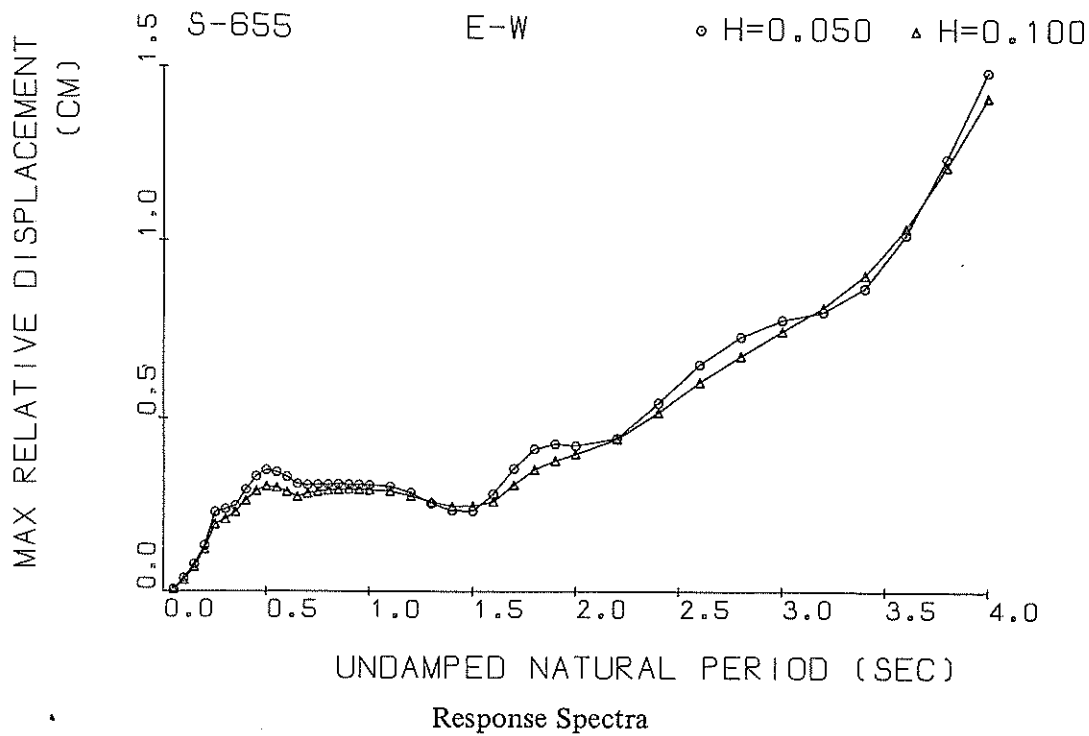
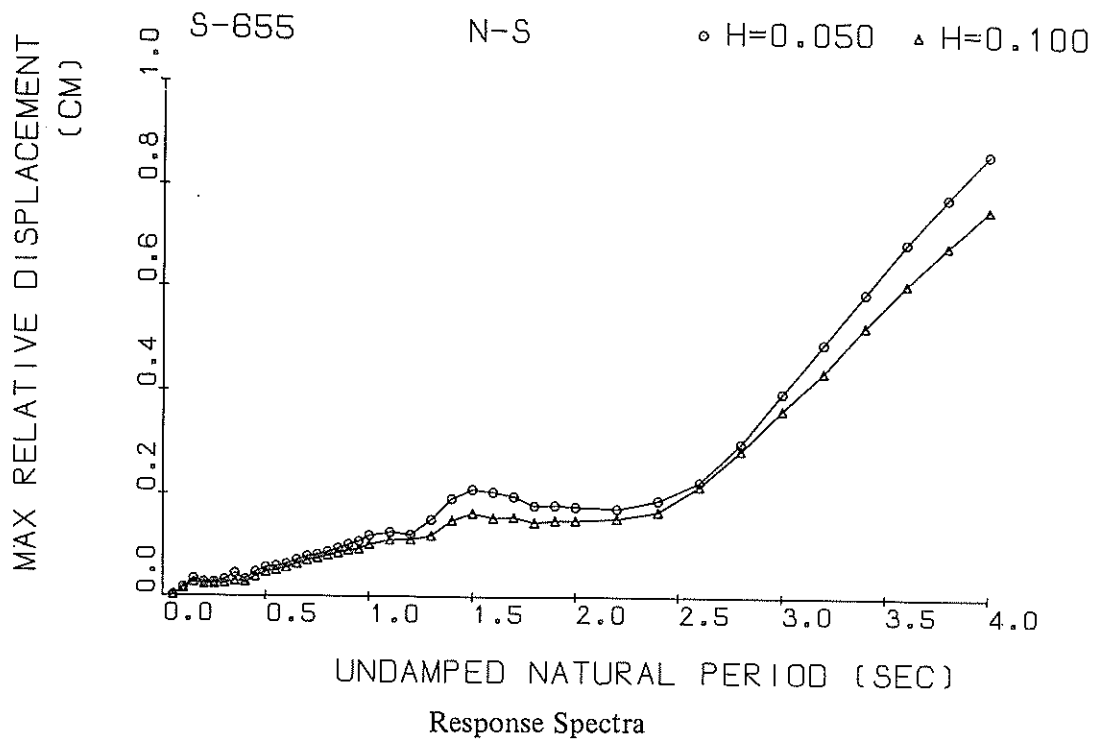
Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Chiba-S	on ground	S-709	13	13	4	
Shinagawa-S	on ground	S-712	11	18	9	
Yamashita-hen-S	on ground	S-715	15	15	4	
Yamashita-dai6-S	on structure	S-716	36	13	6	

S-655 AKIITA-S 1972-02-17-07-06





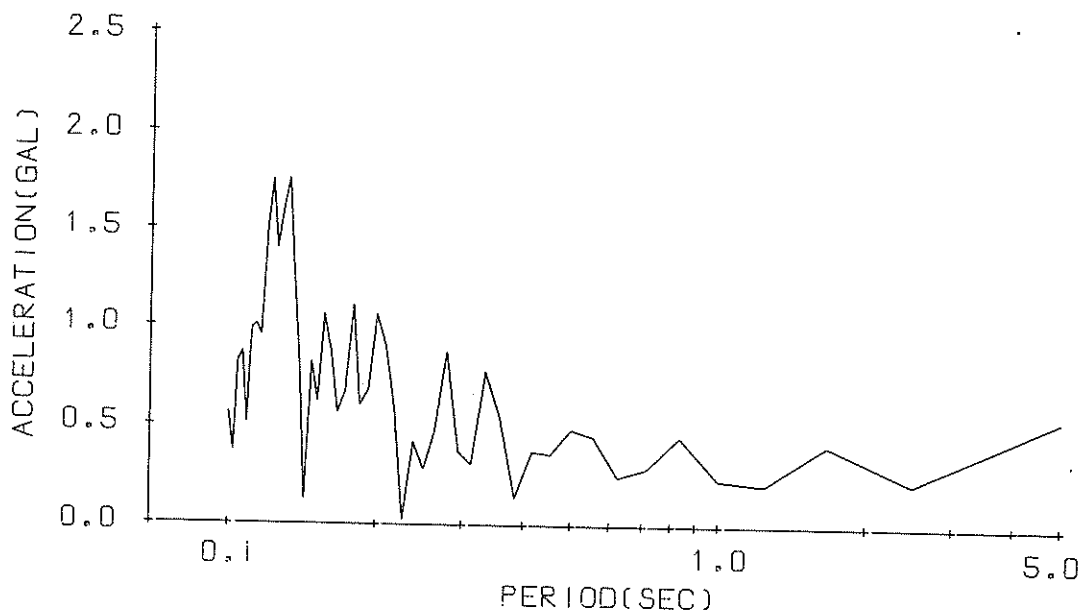




S-655 N-S

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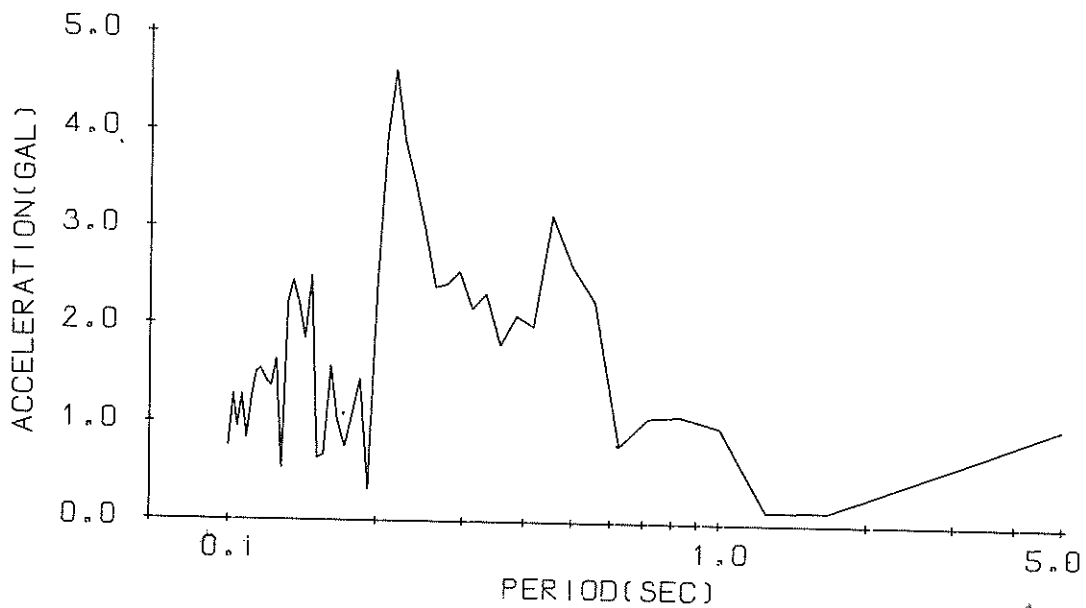


Fourier Spectrum

S-655 E-W

TSK=2.00

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD # S-655 N-S 1972-02-17-07-06
 STATION # AKITA-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH # 7.00(SEC) SKIPPED LENGTH # 0. (SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 21.40(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.426	30.51	13.75	0.126	0.0019
0.100	3.237	69.27	54.36	0.918	0.0174
0.150	2.755	58.95	69.73	1.515	0.0338
0.200	1.283	27.45	38.60	0.905	0.0275
0.250	0.822	17.60	30.19	0.831	0.0278
0.300	0.674	14.43	26.11	0.742	0.0326
0.350	0.684	14.63	24.89	0.806	0.0449
0.400	0.390	8.35	23.27	0.755	0.0334
0.450	0.437	9.35	24.26	0.860	0.0475
0.500	0.424	9.08	25.21	0.858	0.0569
0.550	0.362	7.75	25.05	0.891	0.0590
0.600	0.323	6.92	24.47	0.934	0.0630
0.650	0.315	6.75	24.30	0.862	0.0718
0.700	0.300	6.41	24.20	0.812	0.0789
0.750	0.274	5.86	23.90	0.818	0.0828
0.800	0.254	5.44	23.60	0.809	0.0873
0.850	0.245	5.24	23.51	0.803	0.0948
0.900	0.237	5.06	23.64	0.777	0.1027
0.950	0.223	4.77	23.83	0.810	0.1081
1.000	0.223	4.78	23.94	0.788	0.1198
1.100	0.196	4.20	23.76	0.723	0.1264
1.200	0.160	3.43	23.33	0.695	0.1224
1.300	0.166	3.56	22.99	0.733	0.1520
1.400	0.182	3.90	22.81	0.772	0.1927
1.500	0.175	3.74	22.74	0.812	0.2105
1.600	0.149	3.19	22.68	0.750	0.2055
1.700	0.127	2.71	22.59	0.749	0.1975
1.800	0.103	2.21	22.47	0.768	0.1800
1.900	0.093	1.99	22.32	0.794	0.1805
2.000	0.083	1.77	22.16	0.810	0.1783
2.200	0.068	1.45	21.87	0.809	0.1748
2.400	0.062	1.32	21.66	0.776	0.1910
2.600	0.062	1.34	21.54	0.727	0.2265
2.800	0.072	1.53	21.49	0.691	0.3018
3.000	0.083	1.77	21.49	0.723	0.3984
3.200	0.090	1.93	21.52	0.779	0.4938
3.400	0.095	2.04	21.56	0.897	0.5922
3.600	0.100	2.13	21.60	0.933	0.6925
3.800	0.100	2.15	21.64	0.887	0.7821
4.000	0.101	2.16	21.68	0.984	0.8684

RESPONSE SPECTRUM

RECORD # S-655 N-S 1972-02-17-07-06
 STATION # AKITA-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH # 7.00(SEC) SKIPPED LENGTH # 0. (SEC)
 DAMPING COEFFICIENT # 0.100 MAX.GROUND ACC.# 21.40(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.350	28.89	10.32	0.102	0.0018
0.100	2.751	58.87	41.78	0.743	0.0148
0.150	2.338	50.04	57.64	1.222	0.0276
0.200	1.100	23.54	37.22	0.823	0.0235
0.250	0.736	15.75	29.63	0.783	0.0240
0.300	0.552	11.82	25.70	0.714	0.0262
0.350	0.467	10.00	24.32	0.703	0.0302
0.400	0.342	7.32	23.47	0.736	0.0283
0.450	0.356	7.61	23.95	0.787	0.0383
0.500	0.357	7.64	24.49	0.801	0.0472
0.550	0.324	6.93	24.51	0.766	0.0519
0.600	0.293	6.28	24.23	0.777	0.0569
0.650	0.285	6.10	24.06	0.732	0.0642
0.700	0.273	5.85	23.93	0.705	0.0707
0.750	0.256	5.49	23.75	0.724	0.0756
0.800	0.241	5.17	23.58	0.728	0.0806
0.850	0.229	4.90	23.51	0.718	0.0860
0.900	0.217	4.64	23.54	0.688	0.0907
0.950	0.201	4.30	23.62	0.687	0.0934
1.000	0.197	4.21	23.66	0.700	0.1024
1.100	0.180	3.85	23.54	0.678	0.1114
1.200	0.156	3.34	23.26	0.634	0.1124
1.300	0.135	2.89	23.01	0.646	0.1208
1.400	0.144	3.09	22.84	0.654	0.1508
1.500	0.141	3.02	22.74	0.667	0.1646
1.600	0.118	2.52	22.65	0.688	0.1562
1.700	0.105	2.25	22.56	0.713	0.1575
1.800	0.087	1.86	22.45	0.737	0.1473
1.900	0.081	1.73	22.33	0.757	0.1516
2.000	0.073	1.56	22.20	0.769	0.1519
2.200	0.062	1.33	21.96	0.771	0.1561
2.400	0.056	1.19	21.78	0.749	0.1691
2.600	0.062	1.32	21.66	0.714	0.2180
2.800	0.070	1.50	21.60	0.676	0.2885
3.000	0.078	1.67	21.58	0.665	0.3655
3.200	0.083	1.78	21.59	0.704	0.4401
3.400	0.087	1.87	21.61	0.742	0.5284
3.600	0.090	1.93	21.64	0.777	0.6110
3.800	0.090	1.93	21.67	0.806	0.6869
4.000	0.090	1.92	21.69	0.871	0.7596

RESPONSE SPECTRUM

RECORD # S-655 E-W 1972-02-17-07-06
 STATION = AKITA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 7.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 72.93(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.216	88.72	31.88	0.315	0.0056
0.100	2.102	153.28	92.38	1.652	0.0385
0.150	1.923	140.25	132.30	3.360	0.0797
0.200	1.813	132.26	126.46	4.198	0.1330
0.250	2.019	147.24	162.28	5.703	0.2305
0.300	1.457	106.23	114.03	5.037	0.2395
0.350	1.103	80.41	90.17	4.815	0.2484
0.400	1.006	73.40	89.54	4.925	0.2951
0.450	0.900	65.67	94.56	5.295	0.3344
0.500	0.768	56.01	98.14	5.440	0.3522
0.550	0.624	45.52	99.34	5.217	0.3467
0.600	0.505	36.81	98.70	4.894	0.3335
0.650	0.401	29.27	97.76	4.532	0.3118
0.700	0.347	25.31	95.94	4.080	0.3089
0.750	0.304	22.14	93.43	3.698	0.3093
0.800	0.269	19.58	91.28	3.409	0.3103
0.850	0.240	17.47	89.46	3.158	0.3113
0.900	0.214	15.58	87.77	3.041	0.3101
0.950	0.191	13.93	86.25	3.077	0.3086
1.000	0.172	12.55	84.97	3.105	0.3076
1.100	0.141	10.30	82.86	3.175	0.3038
1.200	0.112	8.20	80.85	3.213	0.2851
1.300	0.087	6.35	79.01	3.150	0.2554
1.400	0.070	5.09	77.72	3.012	0.2339
1.500	0.061	4.46	77.05	2.874	0.2334
1.600	0.060	4.37	76.83	2.792	0.2811
1.700	0.067	4.87	76.79	2.780	0.3558
1.800	0.069	5.04	76.75	2.825	0.4117
1.900	0.064	4.69	76.62	2.900	0.4274
2.000	0.058	4.20	76.40	2.981	0.4224
2.200	0.050	3.64	75.73	3.096	0.4429
2.400	0.051	3.73	75.02	3.116	0.5431
2.600	0.052	3.82	74.44	3.050	0.6516
2.800	0.051	3.69	74.06	2.932	0.7297
3.000	0.047	3.43	73.86	2.797	0.7754
3.200	0.043	3.11	73.79	2.669	0.7988
3.400	0.041	2.97	73.82	2.560	0.8644
3.600	0.043	3.11	73.89	2.478	1.0181
3.800	0.047	3.40	73.99	2.423	1.2381
4.000	0.051	3.68	74.09	2.392	1.4884

RESPONSE SPECTRUM

RECORD # S-655 E-W 1972-02-17-07-06
 STATION = AKITA-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 7.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 72.93(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.178	85.95	25.47	0.279	0.0054
0.100	1.803	131.49	67.79	1.254	0.0330
0.150	1.758	128.18	112.04	2.851	0.0718
0.200	1.686	122.94	117.20	3.624	0.1229
0.250	1.733	126.41	138.92	4.536	0.1955
0.300	1.291	94.17	110.52	4.317	0.2097
0.350	1.040	75.82	88.31	4.299	0.2301
0.400	0.912	66.48	87.49	4.633	0.2630
0.450	0.797	58.15	91.16	4.923	0.2916
0.500	0.676	49.27	93.99	5.016	0.3046
0.550	0.555	40.50	94.71	4.900	0.3012
0.600	0.447	32.63	94.70	4.657	0.2889
0.650	0.371	27.05	93.97	4.343	0.2740
0.700	0.334	24.39	92.40	3.993	0.2843
0.750	0.299	21.83	90.70	3.683	0.2891
0.800	0.268	19.57	89.15	3.424	0.2925
0.850	0.241	17.61	87.71	3.199	0.2944
0.900	0.218	15.89	86.38	3.002	0.2947
0.950	0.197	14.38	85.16	2.917	0.2939
1.000	0.179	13.07	84.07	2.958	0.2932
1.100	0.149	10.87	82.18	3.025	0.2890
1.200	0.123	8.97	80.49	3.054	0.2762
1.300	0.101	7.38	79.01	3.020	0.2586
1.400	0.086	6.24	77.92	2.941	0.2465
1.500	0.076	5.54	77.25	2.858	0.2470
1.600	0.071	5.16	76.90	2.806	0.2595
1.700	0.068	4.94	76.71	2.796	0.3088
1.800	0.065	4.75	76.56	2.821	0.3542
1.900	0.062	4.53	76.39	2.867	0.3797
2.000	0.058	4.26	76.18	2.918	0.3973
2.200	0.050	3.65	75.63	2.996	0.4398
2.400	0.049	3.58	75.07	3.009	0.5156
2.600	0.049	3.55	74.59	2.964	0.6013
2.800	0.047	3.44	74.26	2.881	0.6760
3.000	0.045	3.30	74.06	2.782	0.7449
3.200	0.043	3.16	73.96	2.685	0.8106
3.400	0.043	3.11	73.94	2.600	0.9013
3.600	0.044	3.19	73.97	2.534	1.0361
3.800	0.046	3.35	74.03	2.488	1.2128
4.000	0.048	3.53	74.10	2.461	1.4153

RECORD#	DATE AND TIME	COMPONENT#	SIGNAL#	GR.#	ACC.	CORRECTION#	ARC.ERR.	STATION#	AKITA'S	
NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
	TOTAL NUMBER OF DATA# 1900									
1	0.	0.70	0.40	0.80	0.10	0.60	0.40	7.40	0.50	0.20
2	0.	0.30	0.50	1.50	0.10	0.50	-1.60	7.50	-0.40	0.40
3	0.20	0.	0.50	1.50	0.10	0.50	-4.10	7.38	-1.10	1.50
4	-0.30	-0.20	0.30	1.00	0.10	0.40	-4.40	5.99	-1.00	2.50
5	-0.40	-0.50	0.10	0.40	0.10	-0.20	-4.39	4.19	-1.50	2.50
6	0.	-0.40	-0.20	-0.10	0.10	-0.20	-2.30	1.30	-1.50	1.50
7	0.	0.10	0.70	-0.60	0.10	-0.50	-0.30	-1.20	-1.00	0.50
8	-0.20	0.10	-0.20	-0.70	-0.20	-0.50	3.10	-1.40	0.80	-3.00
9	-0.50	-0.20	0.40	-0.50	-0.30	-0.50	5.31	-1.40	2.60	-3.50
10	-0.20	-0.20	0.50	-0.90	-0.20	3.30	7.20	-1.40	5.51	-3.50
11	0.40	1.20	1.10	-0.50	-0.10	4.81	7.28	-0.70	6.78	-3.80
12	0.50	1.70	1.10	-0.20	0.40	6.70	5.69	0.	6.78	-3.80
13	0.40	1.40	1.20	0.50	0.40	7.10	3.69	1.50	4.79	-2.20
14	0.10	1.10	1.10	0.30	-0.10	7.06	0.30	1.50	2.50	-1.70
15	0.	0.20	0.30	0.30	-0.30	3.39	3.21	1.50	0.50	0.10
16	-0.50	-0.20	-0.20	0.20	-0.60	-2.31	-7.74	1.50	-2.80	1.60
17	0.10	-0.30	-0.50	0.30	-0.50	-10.41	-10.95	0.80	-3.30	2.90
18	0.40	0.20	-0.60	1.30	0.40	-10.95	-10.60	-0.50	-2.60	4.61
19	0.40	0.90	-0.70	1.50	1.30	-8.82	-6.46	-0.50	-1.50	6.28
20	0.10	1.20	-0.80	1.50	1.30	-4.36	-2.10	0.	0.50	8.90
21	0.10	1.00	-1.00	1.60	1.30	5.32	2.31	0.20	0.50	2.60
22	0.40	0.80	-0.50	1.30	0.50	9.09	7.95	0.50	-1.10	2.60
23	0.40	0.40	-0.50	1.30	0.10	19.29	11.91	0.50	-2.40	1.50
24	-0.10	0.40	0.50	0.70	0.10	19.01	12.12	0.10	-5.51	1.10
25	0.40	-0.20	1.00	-0.50	-0.20	16.36	9.71	-0.50	-7.70	1.00
26	0.50	-0.40	1.10	-1.40	-0.20	8.90	5.18	-0.70	-7.66	0.70
27	0.70	0.	1.10	-1.80	-0.20	-2.92	1.60	0.40	-4.69	0.40
28	-0.30	0.40	1.10	-2.40	-0.20	-16.18	-0.90	2.10	-2.00	0.10
29	-0.30	0.80	1.10	-2.20	-0.20	-19.38	-3.00	2.50	-2.00	0.10
30	0.10	0.50	0.90	-0.90	-0.20	-14.40	-3.10	3.59	-4.69	0.10
31	-0.10	0.10	0.50	0.10	-0.20	-20.94	-3.40	1.50	8.50	-0.50
32	-0.30	-0.10	0.60	0.50	-0.10	-16.12	-2.60	-0.30	8.68	-0.50
33	-0.30	-0.20	0.90	1.10	-0.10	-9.52	-0.90	0.	7.37	0.50
34	0.	-0.20	1.20	1.10	-0.50	3.92	0.10	-4.41	5.09	1.30
35	0.	0.20	1.50	1.20	-0.50	10.78	1.10	-6.41	2.70	-1.60
36	0.30	-0.30	0.80	0.40	-0.50	13.88	2.40	-6.41	0.70	-1.60
37	0.40	-0.30	0.80	-0.20	-0.50	10.96	2.40	-7.90	0.70	-2.20
38	0.40	-0.30	-0.20	-0.70	-0.50	5.58	2.40	-0.80	-0.70	-2.20
39	0.40	-0.50	-1.60	-0.50	-0.50	2.09	0.80	-1.30	-0.70	-2.20
40	0.20	-0.80	-1.60	-1.00	-0.50	-9.24	-1.60	0.	-1.00	0.20
41	0.40	-0.70	-0.50	-1.00	0.10	-11.61	1.60	2.90	-1.60	3.30
42	0.50	-0.10	-0.30	-1.00	0.40	-11.78	-5.51	8.60	-1.80	3.30
43	0.50	0.40	0.10	-1.00	0.50	-13.78	-7.21	5.60	-1.80	4.50
44	0.	0.70	0.10	-1.00	1.60	-7.87	-8.40	3.50	-1.80	3.89
45	-0.50	0.70	0.60	-0.40	1.60	-5.88	-8.38	3.50	-1.80	2.50
46	0.10	0.70	0.10	0.10	1.50	-3.20	-7.00	3.50	-1.70	0.20
47	0.80	0.70	0.10	0.10	1.10	-1.90	-6.77	3.20	-1.70	0.20
48	1.20	0.40	-0.20	0.10	1.10	1.40	-8.39	1.50	-1.70	-2.90
49	1.10	0.40	-0.40	0.10	1.10	2.60	-0.30	1.50	-1.80	-2.50
50	1.00	0.40	0.50	0.10	0.90	2.36	4.51	1.40	-0.80	-1.20

RECORD#	DATE AND TIME	COMPONENT#	SIGNAL#	AGC.	CORRECTION#	ARD.	ERR.	FORMAT	NO.	8301	850	900	950
NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)	TOTAL NUMBER OF DATA 1900		
											SYATION#AKITA#		
											TOTAL NUMBER OF DATA 1900		
1	0.50	2.70	2.70	0.50	1.70	0.70	0.90	0.80	0.70	-1.20	0.70	0.70	-1.20
2	1.10	3.90	3.70	0.20	0.50	0.70	0.20	1.00	0.70	-1.30	0.70	0.70	-1.30
3	2.20	3.90	4.49	-0.10	0.10	2.00	-0.40	2.10	0.70	-0.70	0.70	0.70	-0.70
4	2.20	3.89	2.70	-0.70	0.20	3.10	-1.00	2.10	0.80	0.40	0.80	0.80	0.40
5	2.20	0.90	0.	-0.70	0.70	3.20	-1.40	1.70	0.70	0.40	0.70	0.70	0.40
6	2.10	0.90	0.60	-0.70	1.40	3.20	-1.40	1.10	1.10	0.50	1.10	1.10	0.50
7	2.20	-4.01	-2.20	2.00	1.50	1.90	-1.40	0.60	1.20	0.70	1.20	1.20	0.70
8	1.40	-6.00	-3.00	2.90	1.50	1.00	-1.40	0.20	1.20	1.10	1.20	1.20	1.10
9	1.40	-5.99	-2.30	3.30	0.30	-0.20	0.40	0.20	1.20	1.40	1.20	1.20	1.40
10	0.50	-4.79	-0.60	3.80	-1.10	-1.70	1.30	0.20	1.20	1.40	1.20	1.20	1.40
11	0.50	-2.60	0.70	4.10	-1.90	-1.60	1.40	1.00	0.80	1.60	0.80	1.60	1.60
12	0.50	-1.90	1.40	3.70	-2.50	-1.50	1.50	2.30	0.60	1.50	0.60	1.50	1.50
13	0.50	-0.60	2.30	3.00	-1.70	-1.60	1.40	3.20	0.40	1.20	0.40	1.20	1.20
14	1.20	1.00	1.10	2.80	-1.00	-1.60	1.50	2.30	-0.20	1.00	-0.20	1.00	1.00
15	2.00	1.80	-0.90	2.20	0.	-1.00	1.50	0.20	0.60	0.60	-1.10	0.60	0.60
16	2.70	2.30	-1.10	1.40	0.80	-1.60	1.10	1.10	1.60	0.10	1.60	1.60	0.10
17	2.80	2.90	-1.60	1.00	1.40	-0.30	0.40	1.80	-2.00	0.10	-2.00	0.10	0.10
18	2.80	3.10	-2.30	0.70	2.40	-1.20	-0.20	1.80	-2.20	0.40	-2.20	0.40	0.40
19	2.80	3.90	-1.40	0.20	1.50	-1.30	-0.80	1.60	-2.00	0.80	-2.00	0.80	0.80
20	1.70	5.30	-1.00	0.10	0.80	-1.30	-1.50	1.10	1.10	1.50	1.10	1.50	1.50
21	0.40	5.30	-0.50	-0.20	0.10	-1.30	-1.50	0.20	1.50	1.80	1.50	1.80	1.80
22	-0.80	4.70	0.10	-0.80	0.50	0.	-0.70	0.80	0.60	2.20	0.60	2.20	2.20
23	0.30	4.60	0.10	-2.00	-1.00	0.90	0.40	1.60	1.50	2.00	1.50	2.00	2.00
24	0.70	4.10	0.10	-1.90	-1.00	0.90	0.90	2.40	0.70	2.20	0.70	2.20	2.20
25	1.50	3.60	0.10	-1.40	-1.00	1.80	1.40	2.80	0.10	1.80	0.10	1.80	1.80
26	1.60	2.60	0.10	-1.40	-1.00	3.00	1.80	2.80	-0.50	1.20	-0.50	1.20	1.20
27	1.60	2.60	0.10	1.40	-1.00	2.90	2.30	2.20	-0.50	1.20	-0.50	1.20	1.20
28	1.50	0.90	0.10	1.40	-1.00	2.20	2.70	2.10	0.30	0.60	0.30	0.60	0.60
29	1.60	-0.70	1.30	2.20	-0.40	1.20	2.90	1.90	1.10	0.10	1.10	0.10	0.10
30	1.50	-1.90	1.70	2.50	0.50	0.30	3.10	1.20	1.80	0.50	1.80	0.50	0.50
31	1.60	-3.00	2.00	3.10	2.20	-0.20	3.10	0.60	2.20	0.10	2.20	0.10	0.10
32	1.10	-4.50	2.00	2.10	3.20	-0.60	3.10	0.10	1.50	0.10	1.50	0.10	0.10
33	0.80	-3.40	1.40	1.50	2.20	-0.60	2.40	0.20	1.50	0.20	1.50	0.20	0.20
34	0.80	-1.60	0.80	1.00	0.90	-0.60	0.90	0.50	1.20	0.50	1.20	0.50	0.50
35	1.30	0.	0.30	0.80	0.40	-0.60	-0.60	0.80	0.90	0.90	0.90	0.90	0.90
36	2.20	0.70	-0.50	0.50	0.40	-0.60	-0.60	0.80	-1.10	0.40	-1.10	0.40	0.40
37	3.10	1.60	-1.40	0.50	0.60	-1.10	-1.60	0.80	0.	-0.70	0.	-0.70	-0.70
38	3.20	1.60	0.90	0.50	0.50	-1.50	-1.60	0.10	-0.50	-0.70	-0.50	-0.70	-0.70
39	3.20	0.50	0.	0.50	0.70	-1.80	-0.60	0.90	-1.10	0.40	-1.10	0.40	0.40
40	3.20	-0.50	0.40	-0.20	1.30	-2.00	0.	1.50	-1.50	0.10	-1.50	0.10	0.10
41	2.90	0.50	0.50	-0.50	1.50	-2.00	0.50	2.00	-1.60	0.30	-1.60	0.30	0.30
42	2.20	-0.50	1.00	-0.50	1.50	-1.20	0.40	2.50	0.70	0.70	0.70	0.70	0.70
43	2.20	1.20	1.40	-0.50	-0.20	-0.20	0.	2.50	-1.10	1.10	-1.10	1.10	1.10
44	1.40	-0.60	1.10	-0.50	-1.50	0.70	-0.50	2.50	0.60	1.70	0.60	1.70	1.70
45	0.20	0.10	0.50	0.	-2.40	1.50	-1.00	1.70	0.60	1.70	0.60	1.70	1.70
46	-1.50	0.40	0.20	0.60	-2.80	2.90	-1.40	1.10	0.60	1.70	0.60	1.70	1.70
47	-2.80	0.40	-0.10	1.20	-2.80	3.20	-2.60	1.10	0.10	1.70	0.10	1.70	1.70
48	-1.80	0.40	-0.20	1.60	-2.10	3.20	-2.60	0.90	0.10	0.10	0.10	0.10	0.10
49	-0.10	0.70	0.30	1.80	-1.00	2.30	-2.50	0.80	-0.20	0.10	-0.20	0.10	0.10
50	1.10	1.50	0.30	1.80	0.10	1.60	-1.70	0.70	-0.60	0.10	-0.60	0.10	0.10

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-0.50	1.10	1.70	0.10	1.10	1.50	2.30	1.20	1.10	0.10
2	-0.50	0.80	1.80	-0.40	1.80	1.50	2.30	0.20	0.70	0.20
3	-0.30	0.80	2.00	-0.50	2.10	1.50	2.30	0.90	0.50	0.70
4	0.10	0.90	2.00	-0.50	2.60	1.10	1.10	0.50	0.50	1.10
5	0.40	1.50	1.50	0.40	2.70	1.10	-0.30	0.60	1.00	1.50
6	0.40	1.50	1.00	0.50	2.70	1.10	-0.30	0.40	1.20	1.50
7	0.30	1.10	0.40	1.20	2.70	1.50	-0.70	0.40	1.20	1.70
8	-0.30	1.10	0.20	1.80	2.70	1.70	-0.80	0.40	1.10	1.70
9	-0.80	0.60	-0.90	2.20	2.70	1.80	-0.80	0.40	0.80	1.70
10	-0.80	0.40	-1.20	2.50	2.70	1.90	-0.80	0.40	0.80	1.70
11	-0.80	0.40	-1.20	2.50	2.70	1.90	-0.80	0.40	0.80	1.70
12	-0.60	0.40	-1.20	2.60	2.70	1.40	-0.60	0.10	0.10	1.70
13	0.10	0.40	-1.20	2.60	2.70	1.10	-0.60	0.40	0.10	2.00
14	0.70	0.80	-0.60	1.80	2.70	0.60	-1.20	0.10	0.10	2.50
15	1.10	1.30	0.30	0.20	2.70	0.20	-1.20	0.10	0.10	2.70
16	1.40	1.50	0.90	-0.60	2.70	0.60	-0.50	0.10	1.20	2.70
17	1.60	0.60	1.40	-1.50	2.40	0.90	-0.50	0.40	1.70	2.70
18	1.40	-0.20	1.80	-2.20	1.60	0.90	0.30	0.60	1.60	2.10
19	1.10	-1.10	2.40	-2.20	1.30	1.20	0.60	0.50	2.10	1.70
20	0.70	-1.60	3.00	-2.20	0.80	1.30	1.00	0.80	2.20	1.70
21	0.10	-1.60	3.00	-1.50	1.10	1.20	1.10	1.10	2.50	2.30
22	0.10	-1.60	2.90	-0.70	-0.40	1.20	1.10	1.70	2.80	2.90
23	0.10	-1.60	2.00	0.10	-1.00	1.30	0.50	2.10	2.90	2.90
24	0.50	-1.80	1.20	0.80	-1.10	1.80	0.50	2.50	2.90	2.90
25	1.70	-0.70	0.40	1.50	-1.20	1.20	0.50	2.50	2.90	2.90
26	2.50	-0.40	-0.20	1.50	-1.20	1.20	0.40	2.50	2.90	2.90
27	2.70	-0.20	-0.60	2.50	-0.70	1.30	0.50	2.10	2.90	1.60
28	2.80	-0.20	-0.90	3.00	0.20	1.30	0.50	1.80	2.80	1.20
29	2.30	0.10	-0.90	3.00	1.00	1.50	0.60	1.20	2.20	1.00
30	1.70	0.40	-0.90	3.00	1.70	1.50	1.00	1.00	2.20	0.60
31	1.10	1.40	-0.60	3.00	2.20	1.40	1.40	0.70	1.90	0.20
32	-0.10	1.80	0.	3.10	2.70	1.60	1.50	0.10	1.50	0.00
33	-1.20	2.40	0.10	3.00	2.80	1.20	1.50	0.20	1.40	0.10
34	-1.00	2.80	0.40	2.50	2.80	1.20	1.50	0.20	1.40	0.10
35	-1.60	2.60	0.40	2.50	3.10	1.10	1.50	0.40	1.40	0.00
36	-1.60	2.40	0.50	1.50	2.40	1.10	0.80	0.60	1.40	0.70
37	-1.60	1.60	0.70	0.70	2.10	1.80	0.50	1.20	1.40	0.70
38	-1.60	0.80	0.70	0.10	1.60	2.50	0.50	1.30	1.60	1.40
39	-1.60	-0.10	0.40	-0.20	1.20	2.50	0.40	1.20	1.60	1.30
40	-1.60	-0.70	-0.20	-0.20	1.20	1.60	0.40	1.20	2.00	1.30
41	-1.60	-1.50	-0.20	-0.50	1.20	1.60	0.	1.20	2.40	1.40
42	-1.50	-1.70	0.10	-0.60	1.20	1.00	0.	0.80	2.40	1.40
43	0.40	-2.20	0.60	-0.60	1.20	0.40	0.	0.90	2.70	1.50
44	1.70	-2.40	1.10	-0.10	1.20	0.10	0.	0.40	2.70	1.70
45	2.70	-2.40	1.60	0.40	1.20	-0.20	0.	0.40	2.70	1.70
46	3.00	-2.40	1.60	0.40	1.20	-0.20	0.30	0.40	2.70	1.80
47	3.00	-1.40	1.60	0.40	1.00	-0.20	0.50	1.00	1.00	1.80
48	2.40	-1.40	1.50	0.50	1.00	-0.20	0.60	1.50	0.70	1.80
49	2.00	1.10	1.10	0.50	1.10	0.30	1.10	1.40	0.40	1.80
50	1.50	1.30	0.80	0.70	1.40	2.20	1.20	1.50	0.10	1.50

RECORD=S-655
DATE AND TIME=1972-02-17-07-06

COMPONENT=N-S
SAMPLING INTERVAL= 0.010(SEC)
FORMAT NO.#301

SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.

STATION=AKITA=S
TOTAL NUMBER OF DATA# 1900

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	1.50	1.60	2.30	1.10	0.40	0.50	-0.60	0.50	0.	0.
2	1.50	1.80	2.80	1.10	0.	1.10	-1.10	0.50	0.	0.
3	2.00	2.10	3.00	1.30	-0.20	1.10	-1.40	0.50	0.	0.
4	2.00	2.20	3.20	1.30	-0.40	1.10	-1.40	0.30	0.	0.
5	2.00	2.40	3.50	1.40	-0.30	0.90	-1.40	0.30	0.	0.
6	1.50	2.40	3.70	1.50	0.	0.70	-1.10	0.20	0.	0.
7	1.20	2.50	3.90	1.60	0.30	0.20	-1.10	0.20	0.	0.
8	1.30	2.50	3.20	2.20	0.50	0.10	-1.10	0.20	0.	0.
9	1.30	2.50	2.70	2.90	0.70	0.	-1.00	0.20	0.	0.
10	1.30	2.50	2.40	2.90	1.00	-0.20	-0.50	0.20	0.	0.
11	1.40	2.40	2.20	3.10	1.50	-0.10	-0.20	0.20	0.	0.
12	1.40	2.40	2.20	2.70	1.50	-0.20	-0.20	0.20	0.	0.
13	1.60	2.20	2.10	2.40	1.60	-0.20	0.	0.60	0.	0.
14	1.90	2.10	1.80	2.10	1.80	0.	0.10	0.80	0.	0.
15	2.20	2.00	1.60	1.60	1.80	0.	0.10	0.80	0.	0.
16	2.30	2.00	1.80	1.80	2.10	0.	0.10	0.80	0.	0.
17	2.50	1.90	1.80	1.80	2.10	0.10	0.10	0.80	0.	0.
18	2.50	1.70	2.10	1.10	2.10	0.10	0.	1.20	0.	0.
19	2.40	1.50	2.40	0.90	2.20	0.10	0.	1.40	0.	0.
20	2.20	1.50	2.40	0.60	2.20	0.	-0.20	1.40	0.	0.
21	2.20	1.50	2.30	0.50	2.10	-0.20	-0.20	1.30	0.	0.
22	2.20	1.50	2.20	0.50	2.10	-0.50	-0.20	1.30	0.	0.
23	2.10	1.50	2.20	0.60	2.00	-0.50	-0.20	1.40	0.	0.
24	2.10	1.50	2.10	1.10	1.60	-0.60	-0.50	0.90	0.	0.
25	2.20	1.60	2.00	1.70	1.50	-0.60	-0.20	0.60	0.	0.
26	2.20	1.60	1.70	1.80	1.30	-0.80	0.	0.60	0.	0.
27	2.30	1.70	1.70	1.20	1.10	-0.70	0.10	0.50	0.	0.
28	2.20	1.80	1.60	1.10	0.90	-0.50	0.20	0.50	0.	0.
29	2.10	1.80	1.60	1.10	0.50	-0.50	0.50	0.50	0.	0.
30	2.00	2.20	1.50	1.10	0.10	-0.30	0.50	0.20	0.	0.
31	1.80	2.20	1.70	1.20	-0.20	-0.30	0.40	0.	0.	0.
32	1.90	2.30	1.70	1.20	-0.20	0.	0.50	0.10	0.	0.
33	1.80	2.30	1.90	1.50	0.10	0.	0.40	0.20	0.	0.
34	2.00	2.40	2.10	1.70	0.40	0.10	0.40	0.40	0.	0.
35	2.20	2.20	2.20	1.80	0.80	0.40	0.40	0.40	0.	0.
36	2.50	2.20	2.70	1.80	1.10	0.50	0.10	0.40	0.	0.
37	2.50	2.20	2.80	2.00	1.30	0.50	0.10	0.40	0.	0.
38	2.90	2.20	3.00	2.10	0.70	0.40	-0.10	0.10	0.	0.
39	3.10	2.20	3.10	2.40	1.10	0.40	-0.30	0.10	0.	0.
40	3.20	2.10	3.40	2.40	1.10	0.40	-0.50	0.10	0.	0.
41	3.10	2.00	3.40	2.50	1.10	0.20	-0.50	0.	0.	0.
42	2.90	2.00	3.40	2.90	1.20	0.20	-0.50	0.	0.	0.
43	2.60	1.70	3.50	2.90	1.00	0.10	-0.80	0.	0.	0.
44	2.50	1.40	3.10	2.50	0.80	-0.10	-0.70	0.20	0.	0.
45	2.40	1.60	2.80	2.40	0.80	-0.10	-0.60	0.20	0.	0.
46	2.20	1.70	2.30	2.20	0.20	0.	-0.60	0.30	0.	0.
47	2.10	1.80	2.30	2.10	-0.10	0.10	-0.60	0.40	0.	0.
48	2.10	1.80	2.20	1.80	-0.20	0.20	-0.50	0.40	0.	0.
49	2.20	2.00	1.90	1.80	-0.20	0.30	-0.50	0.50	0.	0.
50	1.60	2.20	1.20	0.80	0.40	-0.50	-0.50	0.90	0.	0.

RECORD=S-655 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=AKIYA-S
 DATE AND TIME=1972-02-17-07-06 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 1900

RECORD#S-655	COMPONENT#E-W	SIGNAL#GR.ACC.	CORRECTION#ARC.ERR.	STATION#AKITA-S						
DATE AND TIME#1972-02-17-07-06	SAMPLING INTERVAL# 0.010(SEC)	FORMAT NO.#501	TOTAL NUMBER OF DATA# 1900							
NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.	-0.30	3.10	0.70	-0.50	-4.40	-51.48	-4.18	4.50	-9.56
2	0.	-0.20	1.40	0.	-1.40	-5.00	-66.99	0.40	4.90	-7.46
3	0.	0.	-0.20	-0.60	-1.40	-70.63	-70.63	4.52	4.79	-8.99
4	0.	0.40	1.70	-0.60	-1.30	-5.00	-72.93	8.94	2.70	-0.40
5	0.	1.10	-2.00	-0.10	-0.30	-4.80	-66.61	11.10	-0.10	2.70
6	0.40	1.40	-2.30	0.90	0.90	-4.00	-59.90	11.20	-2.10	4.40
7	0.40	1.40	-2.20	1.90	0.90	-4.00	-35.07	11.12	-5.51	5.40
8	0.60	1.10	-2.40	2.40	0.90	-4.41	-3.17	7.96	-7.40	5.90
9	0.40	1.40	1.40	2.30	0.90	-6.92	11.16	5.28	-7.20	5.90
10	0.40	1.40	2.70	1.50	0.90	-8.40	16.83	1.80	-7.19	6.48
11	0.40	1.40	3.50	0.90	1.30	-8.55	12.52	-2.00	-6.00	4.38
12	0.50	0.10	4.40	0.40	1.50	-11.85	10.17	-2.50	-5.88	0.40
13	0.30	0.10	4.40	0.40	0.80	-13.23	8.76	-2.50	-3.79	-2.80
14	0.30	0.40	3.79	0.40	-0.20	-8.82	6.52	-0.60	-1.00	-4.20
15	0.40	1.30	1.90	0.70	-0.60	-4.26	8.54	0.70	1.60	-4.40
16	0.40	1.90	0.	1.50	0.60	5.50	11.16	0.90	3.40	-4.40
17	0.90	1.80	-1.70	1.70	0.30	20.45	13.92	1.00	-4.40	-3.20
18	1.60	1.50	-3.00	1.80	1.50	22.18	16.56	0.80	4.50	-2.00
19	1.40	0.90	-3.40	2.00	3.00	23.06	17.37	-2.20	4.50	-0.70
20	0.20	0.70	-3.40	2.00	3.50	17.34	14.05	-4.01	4.50	0.70
21	0.	0.40	-3.20	1.20	3.50	6.56	12.62	-8.01	4.70	1.30
22	0.30	0.30	-2.40	1.20	2.40	2.49	7.46	-8.34	5.31	3.00
23	0.30	0.70	-1.70	0.70	1.00	-3.62	4.29	-4.38	6.31	4.10
24	0.10	1.20	-0.30	-0.10	0.	-10.13	1.40	0.90	7.00	6.60
25	0.90	1.40	0.50	-0.60	-0.70	-2.81	-2.81	6.44	7.00	6.88
26	1.50	1.40	1.50	-0.60	-0.70	-7.95	-7.63	11.18	6.97	5.19
27	1.20	1.20	2.70	-0.70	-0.30	-4.48	-10.00	14.09	3.96	2.60
28	0.20	1.00	4.31	-0.60	0.40	0.	-9.94	16.23	-1.40	-0.80
29	-0.10	1.10	5.70	-0.90	0.70	0.70	-6.97	16.81	-8.38	-1.60
30	0.20	1.40	5.69	-0.60	2.00	0.70	-4.39	16.76	-7.18	-1.60
31	0.70	1.40	4.89	-0.60	2.00	0.70	-0.80	14.31	-5.50	0.30
32	1.40	0.80	2.90	0.	2.00	0.20	4.83	10.14	-5.60	1.00
33	1.40	0.50	0.20	0.70	0.30	6.35	10.26	7.27	-5.49	2.00
34	1.60	0.	-1.60	1.80	-0.70	12.01	13.00	4.78	-3.19	2.80
35	1.50	0.	-2.60	1.60	-0.90	19.02	13.00	0.40	-0.40	2.80
36	1.40	0.70	-2.60	1.70	-1.00	24.45	12.97	-4.01	2.80	2.20
37	0.10	2.00	-2.00	1.60	0.	27.52	12.07	-6.91	5.80	0.30
38	-1.00	3.10	-0.50	1.60	0.70	26.84	11.00	-8.26	5.41	0.30
39	-2.10	3.30	0.50	1.70	1.90	22.29	10.94	-5.78	6.72	-0.10
40	-2.20	2.60	1.10	1.80	3.40	18.62	8.46	0.80	8.63	-0.10
41	0.70	1.90	1.20	1.80	4.80	16.31	3.58	0.80	10.31	0.
42	2.60	0.70	1.20	1.50	5.20	15.20	2.10	0.20	10.90	1.00
43	4.00	-0.50	0.90	1.40	5.19	15.32	-1.20	-1.20	11.00	1.40
44	3.50	-2.60	0.70	0.80	3.80	29.17	-6.94	-3.71	10.91	1.40
45	1.70	-2.50	0.40	0.70	2.40	33.36	-10.84	-5.81	17.45	1.40
46	1.20	-1.00	0.30	1.40	1.00	34.27	-16.24	-7.69	3.38	1.40
47	0.70	1.00	0.70	2.10	0.	21.78	-16.00	-7.56	-3.21	0.60
48	0.80	3.00	0.70	2.40	-1.30	6.55	-16.53	-3.99	-9.01	0.
49	0.40	4.40	0.70	2.80	-3.00	-1.31	-12.28	-1.70	-9.60	0.
50	-0.20	4.39	0.80	1.00	-4.00	-52.48	-8.72	1.00	-9.60	-0.60

RECORD=S-655 COMPONENT=E-W SIGNALDGR.ACC. CORRECTION=ARC.ERR. STATION=AKITAS
 DATE AND TIME=1977-02-17-07-06 SAMPLING INTERVAL= 0.010(SEC) FORMAT No. #301 TOTAL NUMBER OF DATA= 1900

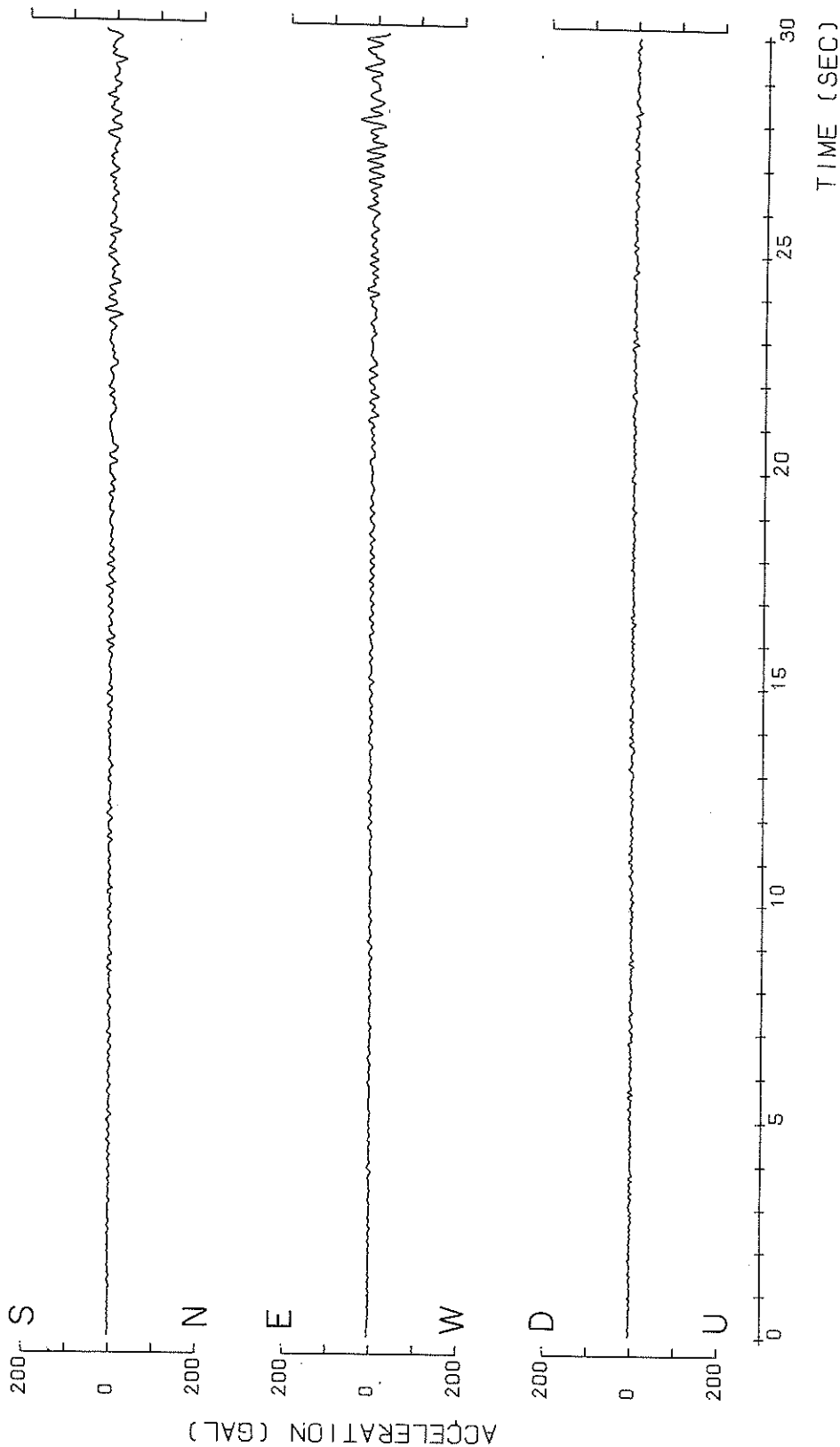
NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-1.60	3.00	0.80	6.30	4.69	3.80	4.30	1.70	3.10	0.40
2	-1.70	3.00	0.60	6.28	2.20	3.80	4.19	0.30	3.10	0.40
3	-1.70	3.40	3.60	3.40	1.40	3.70	2.70	1.80	3.10	0.90
4	-0.70	4.00	4.20	2.30	0.70	3.70	2.30	8.50	2.60	1.70
5	0.30	4.10	4.70	1.10	0.50	2.50	2.20	4.40	1.60	2.00
6	4.20	4.30	4.70	1.00	0.50	2.18	2.20	4.50	1.20	2.00
7	5.40	4.30	4.80	1.70	0.60	2.00	2.30	5.20	1.10	2.40
8	6.00	4.30	4.10	1.90	0.50	2.00	2.20	5.20	0.70	2.40
9	6.00	4.40	3.30	1.90	1.50	2.10	2.30	5.29	3.40	2.40
10	5.98	4.30	3.30	1.90	2.50	3.20	2.20	3.00	3.80	2.40
11	3.40	4.20	3.30	1.90	2.80	4.20	2.20	3.00	4.20	2.40
12	1.40	3.10	3.90	1.10	3.10	4.70	2.20	3.00	4.20	2.40
13	0.80	2.20	4.40	0.70	3.70	3.00	2.30	1.00	4.30	1.40
14	0.10	1.70	4.50	0.70	4.40	2.20	2.70	0.30	4.30	1.40
15	0.	1.30	3.50	0.80	4.40	1.20	2.70	0.50	3.50	1.70
16	0.	-0.90	3.00	0.80	4.50	1.20	2.10	0.60	1.80	2.80
17	0.	-1.10	1.80	0.80	4.49	0.80	1.20	0.60	2.20	3.10
18	0.	-0.30	2.80	1.10	2.80	0.80	0.70	0.60	1.70	3.10
19	0.	1.20	3.10	1.40	1.40	1.10	1.10	0.60	0.80	3.10
20	0.30	3.10	3.80	1.90	1.80	1.70	1.40	0.70	0.40	3.10
21	1.70	5.41	3.90	2.50	1.70	2.30	2.00	1.40	0.40	2.10
22	2.00	7.02	3.90	3.20	1.70	2.30	2.00	0.80	0.80	0.10
23	2.40	8.90	3.79	3.80	1.70	3.70	2.00	0.30	0.80	0.10
24	3.30	8.90	1.90	3.80	1.70	4.40	2.00	0.30	0.	0.
25	3.30	8.87	0.80	4.50	1.90	4.40	1.60	0.	0.30	0.10
26	2.00	6.96	0.10	4.50	1.90	4.70	1.30	0.50	0.30	0.40
27	0.20	2.69	0.10	4.50	2.20	3.69	1.00	0.50	0.30	0.40
28	-0.30	-3.30	0.10	4.50	3.30	3.69	1.00	0.50	0.30	0.40
29	-0.30	-5.40	0.	4.50	3.40	1.90	1.50	0.70	0.30	0.70
30	-0.20	-5.41	0.	4.50	2.80	0.90	1.00	1.90	0.30	0.70
31	-0.30	-6.85	0.	4.50	2.60	0.80	0.70	1.90	0.30	0.40
32	0.	-1.90	0.50	4.50	3.00	1.80	1.60	1.90	0.60	0.50
33	0.70	-0.10	1.40	3.90	3.20	2.80	1.60	1.90	1.00	1.00
34	0.70	1.60	2.00	3.90	3.70	3.40	1.70	1.90	1.00	1.00
35	-0.60	3.20	2.80	3.00	4.40	3.40	1.40	0.80	1.00	0.40
36	-2.10	4.50	3.50	2.90	3.60	3.40	1.40	0.30	2.30	1.30
37	-2.80	4.60	3.60	2.90	3.60	3.40	1.40	0.30	2.30	1.30
38	-3.50	4.50	2.20	1.90	3.40	3.39	1.40	0.30	2.30	1.30
39	-3.50	4.50	2.20	1.60	2.60	3.39	1.40	0.30	2.30	1.30
40	-2.40	4.50	0.30	1.00	2.40	1.20	1.40	0.30	2.30	1.30
41	-1.10	5.50	1.60	1.00	2.48	0.50	1.40	0.30	2.30	1.30
42	0.70	5.50	1.70	1.00	2.40	0.60	1.70	0.30	2.30	1.30
43	2.60	5.40	1.70	0.90	2.30	0.60	1.70	0.30	2.30	1.30
44	4.20	5.19	1.00	0.90	2.40	1.60	2.40	0.30	2.30	1.30
45	5.50	4.30	2.70	1.80	2.40	1.60	2.40	0.30	2.30	1.30
46	5.59	3.60	4.50	3.00	2.40	3.50	3.69	0.40	0.40	0.40
47	3.60	2.80	4.50	3.00	3.00	3.80	0.70	0.40	0.40	0.40
48	2.60	0.90	5.80	3.40	3.30	3.80	0.70	0.40	0.40	0.40
49	2.50	-2.30	6.30	4.10	3.80	4.30	-0.80	0.40	0.40	0.40
50	2.10	-2.70	6.30	4.80	3.80	4.30	-0.50	0.20	0.40	0.40

RECORD=S-655 COMPONENT=E-H SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=AKITA=S
 DATE AND TIME=1972-02-17-07-06 SAMPLING INTERVAL= 0.010(SEC) FORMAT No.#301 TOTAL NUMBER OF DATA= 1900

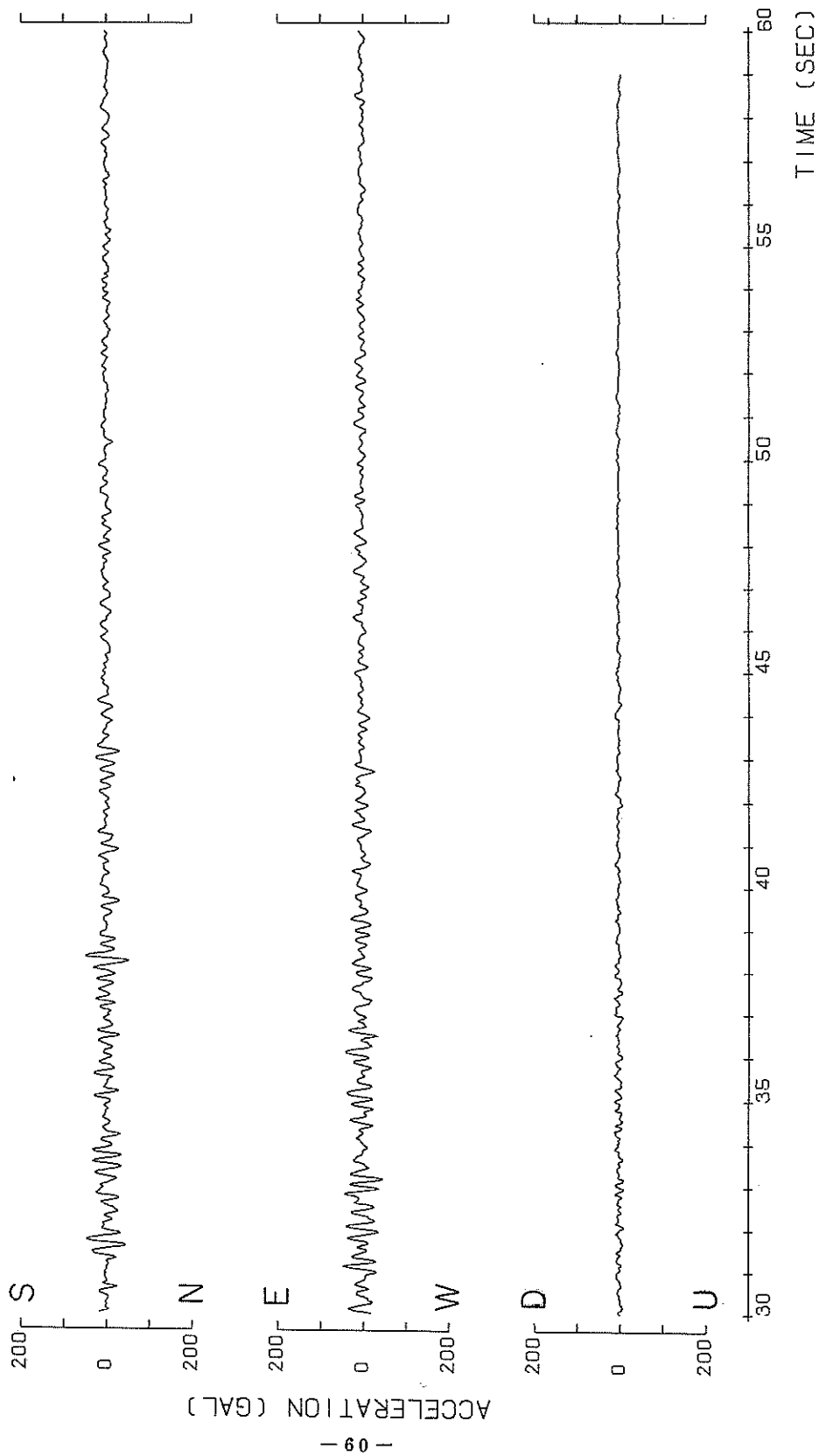
NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	0.20	0.90	0.60	0.40	0.	3.10	2.40	0.30	0.70	1.20
2	-0.30	0.90	1.00	0.30	0.	3.10	2.40	0.10	0.70	1.60
3	-0.90	0.90	1.40	0.10	0.	2.80	2.40	0.10	0.70	2.00
4	-1.00	1.50	1.70	-0.20	0.	2.60	2.10	0.10	0.90	1.90
5	-1.00	1.80	1.80	0.30	0.30	2.40	1.90	0.10	0.90	2.00
6	-0.20	2.40	1.90	-0.30	1.40	2.10	1.70	0.10	0.90	2.00
7	0.30	2.40	2.70	0.10	1.40	1.90	1.50	0.60	1.10	2.00
8	0.90	2.40	3.00	0.30	1.60	1.60	1.40	0.70	1.30	2.00
9	1.60	2.40	3.30	0.30	2.80	1.40	1.40	0.90	1.50	1.50
10	2.60	1.50	3.40	0.	2.70	1.60	1.40	1.30	1.60	1.40
11	3.00	-0.20	3.50	-0.30	2.80	1.90	1.90	1.60	1.80	1.20
12	3.00	0.60	2.10	-0.20	2.80	2.70	2.10	1.80	1.70	1.10
13	1.90	-0.70	1.60	0.90	2.80	2.70	2.10	1.90	1.80	0.90
14	1.30	-0.70	1.30	1.70	2.50	2.80	2.10	1.90	1.70	0.80
15	0.30	-0.30	0.70	2.20	1.40	2.60	1.50	1.80	1.60	0.70
16	0.10	0.90	0.40	2.60	1.00	2.40	1.00	1.50	1.50	1.70
17	0.10	1.70	0.40	2.70	1.00	1.90	0.90	1.40	1.40	1.70
18	0.10	2.00	0.30	2.60	0.80	1.60	0.90	0.70	1.10	2.20
19	0.10	2.20	0.30	1.80	0.70	1.40	0.90	0.10	0.70	2.70
20	0.	2.40	0.30	1.40	0.70	1.10	0.90	0.30	0.80	2.40
21	0.	2.40	0.20	0.90	0.70	1.10	0.90	0.50	0.80	2.40
22	0.10	2.40	0.30	0.60	0.80	1.10	0.90	0.30	0.30	1.80
23	0.10	2.40	0.70	0.80	0.80	1.60	0.90	0.50	0.30	1.50
24	0.40	2.60	0.80	-0.10	0.80	1.70	0.90	0.50	0.30	1.20
25	0.50	2.60	0.90	-0.20	0.80	1.80	0.90	0.20	0.70	0.90
26	1.10	2.60	1.20	-0.20	0.80	1.90	0.90	0.20	0.70	0.90
27	2.00	2.60	1.70	-0.20	0.80	2.10	0.90	0.40	0.70	0.70
28	2.80	2.60	1.70	-0.20	0.80	2.10	0.90	0.70	1.00	0.50
29	3.60	2.30	1.70	-0.20	0.80	2.10	0.90	0.80	1.00	0.60
30	4.30	3.20	1.80	-0.20	0.80	2.40	1.10	0.90	1.10	0.50
31	4.70	3.30	1.80	-0.20	1.20	2.50	1.40	0.80	1.50	0.50
32	4.80	3.30	1.70	-0.20	1.70	2.70	1.80	1.40	1.70	0.50
33	4.79	2.00	1.60	-0.20	1.70	2.70	1.80	1.80	1.90	0.50
34	3.40	1.30	1.30	-0.20	2.00	2.70	1.80	1.90	2.20	0.50
35	2.30	1.10	-0.20	0.	2.30	2.60	2.20	2.20	2.20	0.50
36	1.80	0.90	-0.60	1.40	2.60	2.60	2.40	2.40	2.40	4.40
37	1.40	0.70	-0.80	2.30	2.80	2.60	2.60	2.60	2.30	3.60
38	1.10	0.30	-0.80	2.40	2.80	2.80	2.60	1.80	1.80	2.20
39	1.00	0.20	-0.80	2.40	2.80	2.80	2.80	1.70	1.00	2.00
40	1.00	0.20	-0.80	2.40	2.60	2.80	2.80	1.40	0.70	1.70
41	1.00	0.10	-0.80	1.90	1.30	2.80	2.80	1.10	0.60	1.30
42	1.00	0.20	-0.40	1.50	1.10	2.80	2.80	1.00	0.70	0.90
43	1.00	0.20	1.00	1.40	1.00	2.80	2.80	0.90	0.70	0.80
44	1.00	0.10	1.30	1.10	1.00	2.80	2.80	0.80	0.70	0.10
45	1.30	0.20	1.60	0.70	1.00	2.80	2.80	0.60	0.70	0.10
46	1.30	0.20	1.70	0.40	1.90	2.70	2.80	0.70	0.60	-0.60
47	1.30	0.20	1.70	0.	2.50	2.80	2.80	1.10	1.10	-0.70
48	1.30	0.20	1.70	0.10	2.80	2.80	2.80	0.70	1.20	0.20
49	1.30	0.20	1.40	0.	3.00	2.80	2.80	0.70	1.10	0.50
50	1.30	0.50	1.00	0.	3.10	2.50	1.80	0.70	1.20	0.70

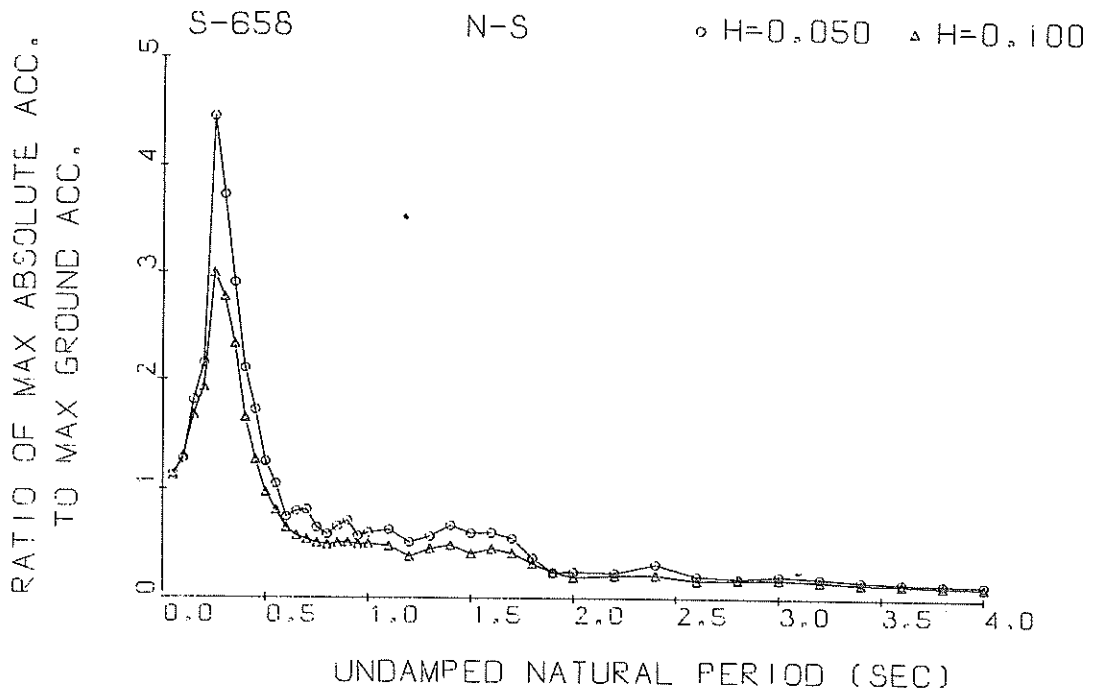
NO.	RECORDS-655		COMPONENT#E-W		SIGNAL#GR.ADC.		CORRECTION#ARC.ERR.		STATION#AKIYA-S		
	DATE	TIME	1972-02-17	07-06	SAMPLING INTERVAL#	0.010	(SEC)	FORMAT	No.#301	TOTAL NUMBER OF DATA#	1900
	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)	
1	1.20	2.00	1.60	2.10	1.60	0.90	0.90	1.00	0.	0.	
2	1.60	2.20	1.40	2.10	1.60	0.80	0.90	1.40	0.	0.	
3	1.90	2.40	1.30	2.00	1.60	0.90	0.90	1.60	0.	0.	
4	2.00	2.50	1.90	1.90	1.50	0.70	0.90	0.70	0.	0.	
5	2.00	2.90	0.90	1.70	1.30	0.30	0.90	1.70	0.	0.	
6	2.00	2.90	0.90	1.30	1.30	0.30	0.90	1.80	0.	0.	
7	2.00	3.00	1.10	1.40	1.30	0.30	0.90	1.90	0.	0.	
8	2.00	3.00	1.40	1.40	1.30	0.30	0.90	2.00	0.	0.	
9	2.00	3.00	1.70	1.30	1.30	0.30	0.70	2.00	0.	0.	
10	2.00	3.00	2.00	1.30	1.40	0.60	0.70	2.00	0.	0.	
11	2.00	2.90	2.20	1.30	1.30	0.90	0.70	1.90	0.	0.	
12	2.00	2.70	2.70	1.30	1.60	1.00	0.70	2.00	0.	0.	
13	1.80	2.70	2.70	1.30	1.70	1.00	0.70	2.00	0.	0.	
14	1.70	2.40	2.70	1.30	1.60	0.90	0.70	2.00	0.	0.	
15	1.70	1.90	2.70	1.30	1.50	1.30	0.70	1.90	0.	0.	
16	1.70	1.80	2.70	1.30	1.30	1.50	0.	1.70	0.	0.	
17	1.90	1.70	2.50	1.00	1.30	1.70	0.50	1.70	0.	0.	
18	2.30	1.70	2.10	0.90	1.30	1.70	0.50	1.70	0.	0.	
19	2.60	1.70	1.80	0.80	1.20	1.90	0.50	1.50	0.	0.	
20	2.70	1.70	1.90	0.70	1.40	2.00	0.50	1.50	0.	0.	
21	2.70	1.80	1.80	0.70	1.40	2.00	0.50	0.90	0.	0.	
22	2.70	2.00	1.70	0.70	1.40	1.90	0.50	0.80	0.	0.	
23	2.70	2.30	1.70	0.70	1.40	1.80	0.50	1.10	0.	0.	
24	2.70	2.60	1.70	0.70	1.40	1.30	0.70	1.60	0.	0.	
25	2.70	2.60	1.50	0.70	1.40	1.90	1.00	1.90	0.	0.	
26	2.80	2.60	1.30	0.70	1.40	1.00	1.00	2.10	0.	0.	
27	2.80	2.60	1.10	0.70	1.40	0.90	1.00	2.20	0.	0.	
28	2.80	2.40	0.70	0.70	1.40	0.90	1.00	2.20	0.	0.	
29	2.20	2.10	0.30	1.40	1.40	1.00	1.00	2.20	0.	0.	
30	2.20	2.00	0.30	1.40	1.40	1.40	1.00	2.00	0.	0.	
31	2.20	1.80	0.30	1.70	1.10	1.70	1.20	1.80	0.	0.	
32	2.20	1.80	0.30	1.80	1.00	1.70	1.20	1.70	0.	0.	
33	2.20	1.80	0.70	1.70	0.90	1.40	1.30	1.70	0.	0.	
34	2.10	1.70	1.10	1.80	0.80	1.40	1.30	1.80	0.	0.	
35	2.20	1.70	1.10	1.80	0.80	0.90	1.20	1.80	0.	0.	
36	2.20	1.60	1.40	1.70	0.40	0.40	1.30	1.80	0.	0.	
37	2.20	1.60	1.70	1.70	0.30	0.	1.30	1.60	0.	0.	
38	2.10	1.70	1.70	1.70	0.30	0.	1.20	1.60	0.	0.	
39	2.00	1.70	1.70	1.50	0.50	0.	1.30	1.00	0.	0.	
40	2.00	2.00	1.70	1.30	0.70	0.	1.30	0.90	0.	0.	
41	2.00	2.40	1.90	1.30	1.00	0.	1.10	0.70	0.	0.	
42	2.10	2.40	2.10	0.80	1.30	0.40	1.00	0.70	0.	0.	
43	2.00	2.40	2.00	0.60	1.40	0.60	0.70	0.40	0.	0.	
44	1.80	2.40	2.00	0.30	1.40	0.90	0.20	0.40	0.	0.	
45	1.70	2.50	1.90	0.20	1.40	1.20	0.	0.40	0.	0.	
46	1.70	2.20	1.90	0.20	1.40	1.20	0.	0.40	0.	0.	
47	1.60	2.20	1.90	0.60	1.40	1.20	0.	0.40	0.	0.	
48	1.50	2.20	1.90	1.30	1.40	1.30	0.	0.70	0.	0.	
49	1.40	2.10	1.90	1.60	1.40	1.20	0.	1.60	0.	0.	
50	1.80	1.80	2.00	1.60	1.40	1.20	0.30	2.10	0.	0.	
			2.00	1.60	1.30	1.20	0.80	2.20	0.	0.	

S-658 YAMASHITA-HEN-S 1972-02-29-18-23

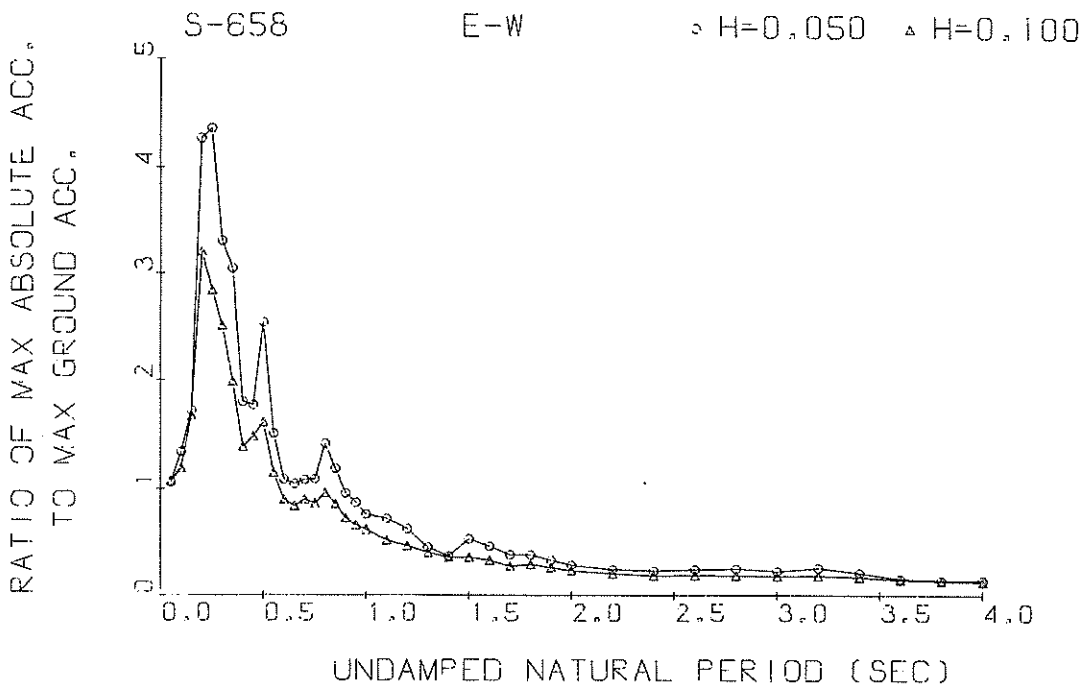


S-658 YAMASHITA-HEN-S 1972-02-29-18-23

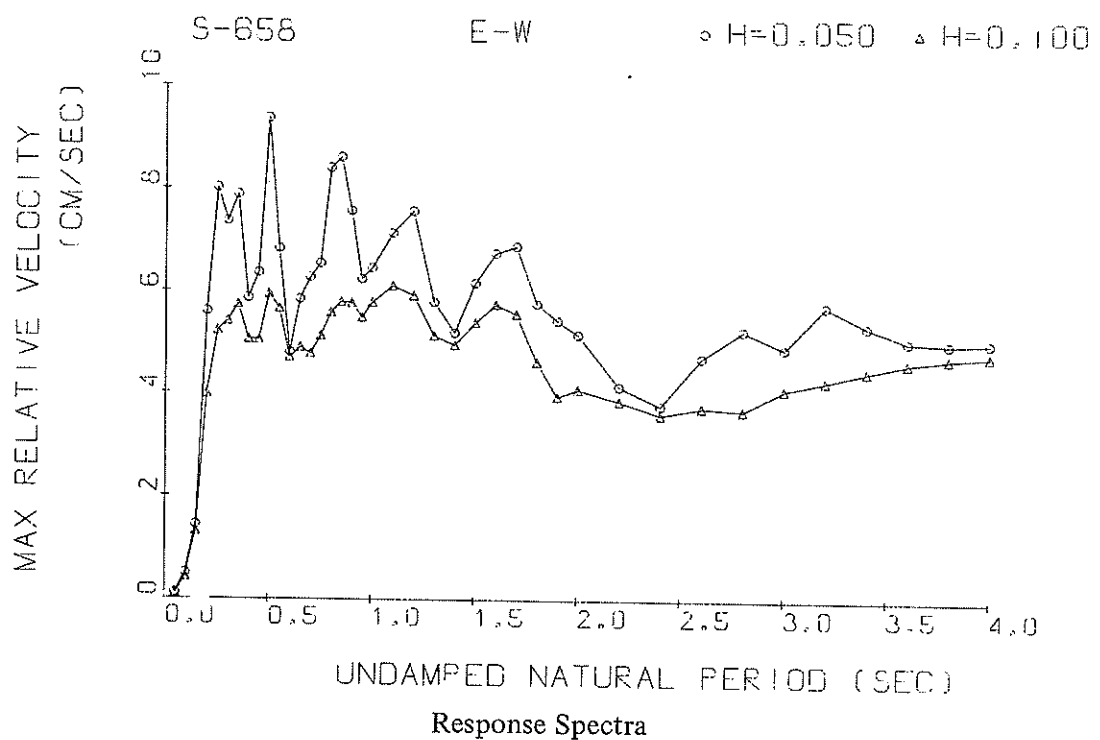
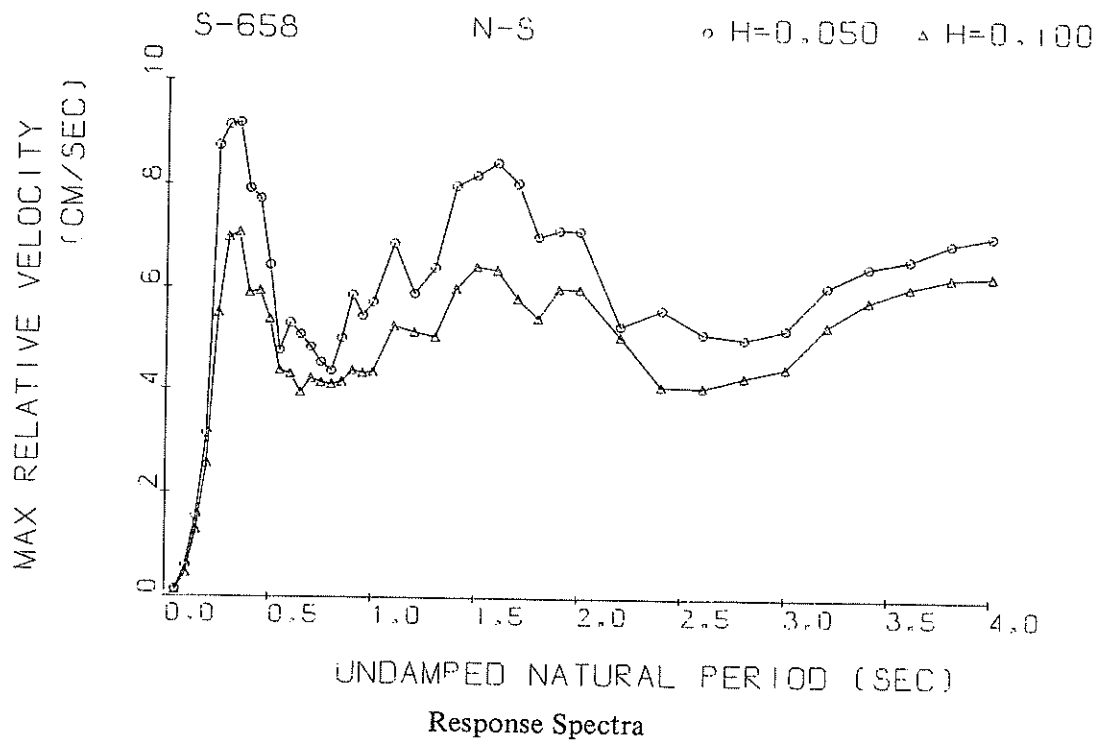


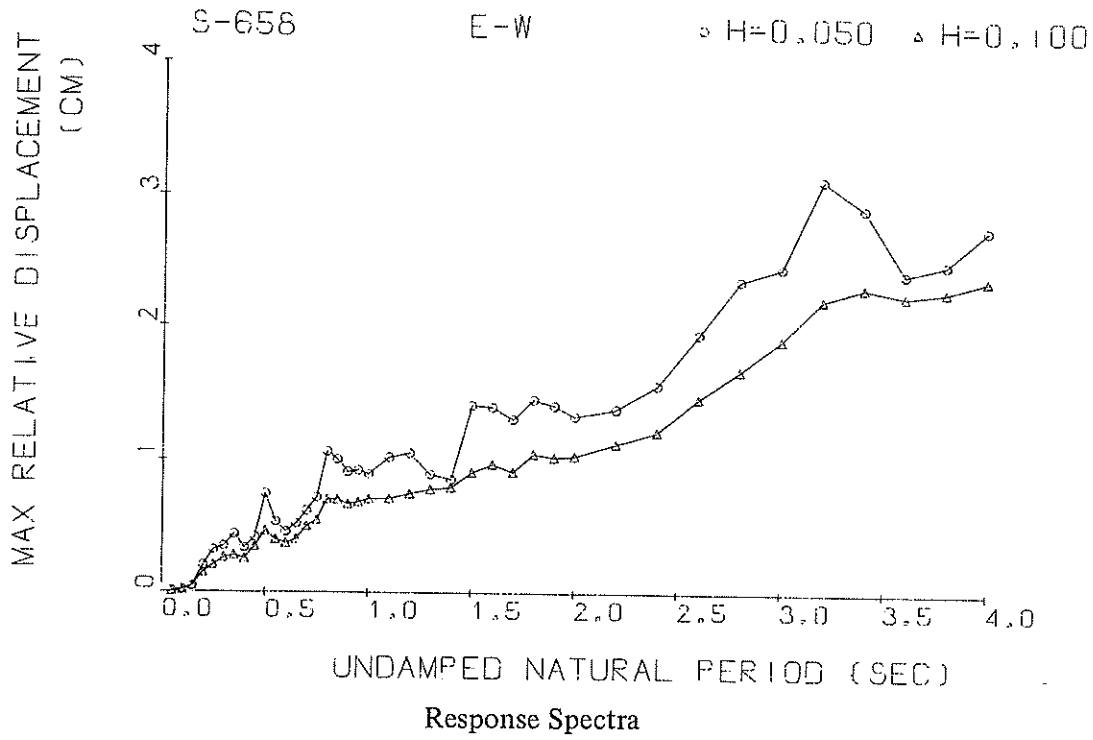
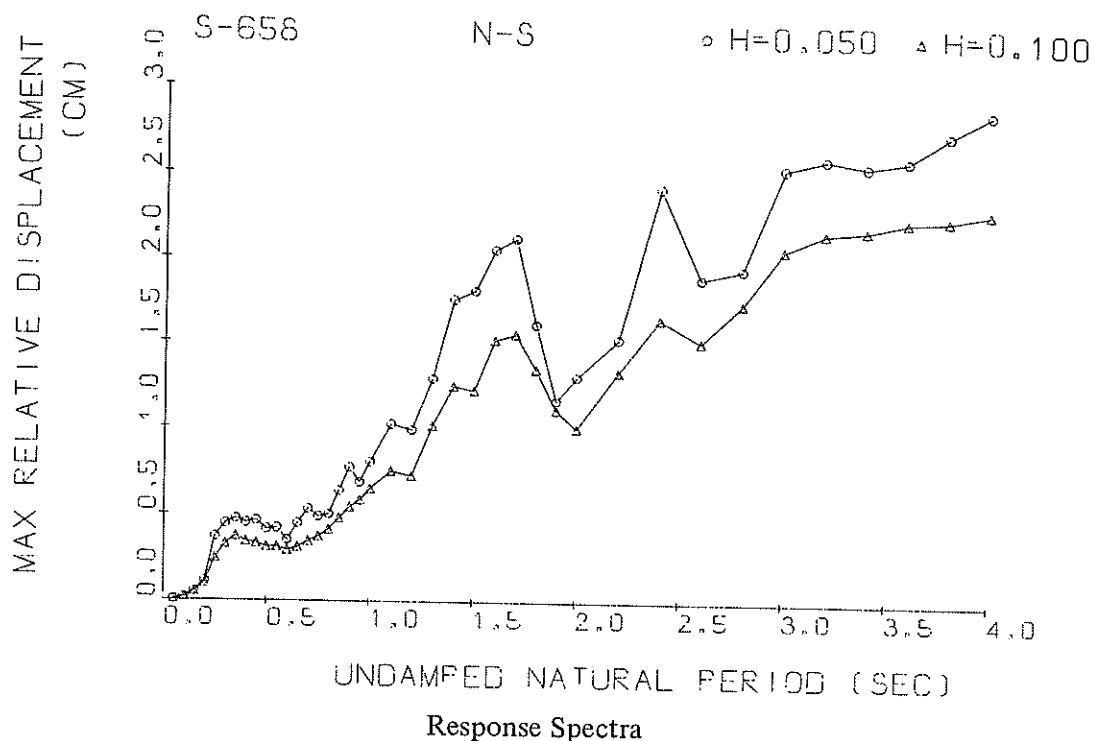


Response Spectra



Response Spectra

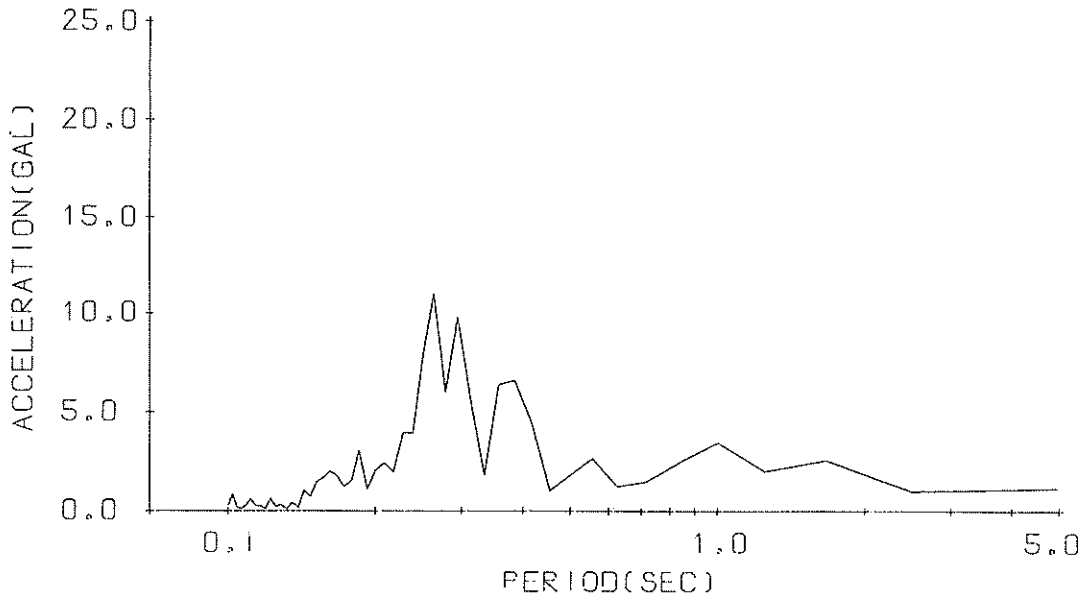




S-658 N-S

TSK=31.00

TUS=5.00

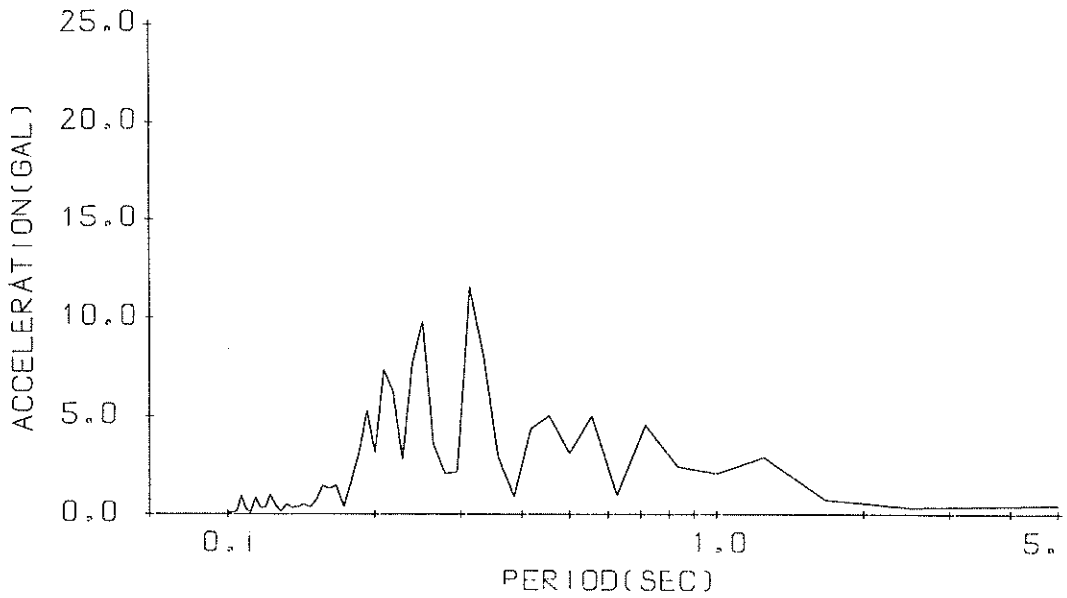


Fourier Spectrum

S-658 E-W

TSK=30.00

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD # S-658 N-S 1972-02-29-18-23
 STATION # YAMASHITA-HEN-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH = 35.00(SEC) SKIPPED LENGTH # 20.00(SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 53.06(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.135	60.22	11.24	0.136	0.0038
0.100	1.276	67.68	30.79	0.598	0.0172
0.150	1.813	96.19	53.56	1.541	0.0546
0.200	2.151	114.11	83.44	3.125	0.1153
0.250	4.457	236.50	210.56	8.741	0.3736
0.300	3.737	198.30	197.08	9.140	0.4487
0.350	2.906	154.21	174.54	9.181	0.4745
0.400	2.106	111.75	141.10	7.927	0.4516
0.450	1.723	91.43	129.10	7.730	0.4659
0.500	1.250	66.34	109.07	6.445	0.4169
0.550	1.047	55.55	92.62	4.764	0.4229
0.600	0.742	39.39	84.31	5.306	0.3560
0.650	0.799	42.38	78.99	5.081	0.4499
0.700	0.811	43.04	75.19	4.831	0.5316
0.750	0.650	34.47	67.38	4.530	0.4889
0.800	0.588	31.20	65.73	4.364	0.5022
0.850	0.662	35.12	66.43	5.013	0.6385
0.900	0.713	37.82	63.25	5.865	0.7715
0.950	0.571	30.30	72.32	5.457	0.6886
1.000	0.602	31.95	67.19	5.736	0.8044
1.100	0.634	33.64	62.26	6.879	1.0220
1.200	0.514	27.28	66.54	5.897	0.9898
1.300	0.571	30.32	64.64	6.406	1.2897
1.400	0.672	35.68	69.17	7.990	1.7579
1.500	0.602	31.92	62.95	8.190	1.8104
1.600	0.602	31.94	62.45	8.437	2.0539
1.700	0.550	29.20	57.91	8.041	2.1212
1.800	0.372	19.76	62.41	7.017	1.6097
1.900	0.241	12.80	57.18	7.142	1.1642
2.000	0.245	13.02	58.62	7.132	1.3057
2.200	0.237	12.56	60.93	5.266	1.5287
2.400	0.316	16.74	61.90	5.589	2.4275
2.600	0.210	11.14	56.52	5.128	1.8922
2.800	0.188	9.97	52.71	5.026	1.9512
3.000	0.213	11.31	54.42	5.225	2.5486
3.200	0.191	10.15	58.14	6.067	2.6039
3.400	0.168	8.89	57.74	6.447	2.5687
3.600	0.152	8.08	55.35	6.604	2.6041
3.800	0.144	7.66	52.33	6.925	2.7521
4.000	0.136	7.22	52.88	7.072	2.8800

RESPONSE SPECTRUM

RECORD # S-658 N-S 1972-02-29-18-23
 STATION # YAMASHITA-HEN-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH # 35.00(SEC) SKIPPED LENGTH # 20.00(SEC)
 DAMPING COEFFICIENT # 0.100 MAX.GROUND ACC.# 53.06(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.123	59.57	10.51	0.123	0.0038
0.100	1.300	69.00	21.76	0.455	0.0174
0.150	1.678	89.03	46.79	1.284	0.0507
0.200	1.927	102.26	67.42	2.547	0.1019
0.250	2.996	158.97	134.57	5.503	0.2486
0.300	2.774	147.19	145.42	6.984	0.3292
0.350	2.331	123.68	140.30	7.086	0.3754
0.400	1.652	87.66	116.60	5.901	0.3457
0.450	1.270	67.37	108.13	5.942	0.3360
0.500	0.969	51.39	99.31	5.381	0.3142
0.550	0.808	42.88	91.68	4.364	0.3144
0.600	0.648	34.39	83.72	4.296	0.2984
0.650	0.575	30.50	75.62	3.944	0.3144
0.700	0.539	28.61	72.93	4.207	0.3482
0.750	0.509	27.02	69.13	4.132	0.3760
0.800	0.494	26.20	65.09	4.099	0.4144
0.850	0.508	26.98	60.34	4.150	0.4812
0.900	0.513	27.24	61.05	4.372	0.5436
0.950	0.497	26.35	65.13	4.327	0.5843
1.000	0.499	26.50	64.71	4.354	0.6502
1.100	0.481	25.50	63.57	5.257	0.7523
1.200	0.385	20.40	65.36	5.141	0.7244
1.300	0.457	24.26	64.73	5.054	1.0149
1.400	0.489	25.94	64.99	5.988	1.2443
1.500	0.413	21.91	61.10	6.427	1.2207
1.600	0.458	24.29	55.89	6.357	1.5185
1.700	0.416	22.09	57.05	5.809	1.5522
1.800	0.322	17.08	57.91	5.420	1.3463
1.900	0.240	12.71	55.35	6.002	1.1108
2.000	0.197	10.45	55.85	5.991	1.0051
2.200	0.212	11.24	58.40	5.057	1.3362
2.400	0.218	11.56	58.45	4.079	1.6466
2.600	0.169	8.97	56.11	4.059	1.5129
2.800	0.177	9.39	54.22	4.264	1.7428
3.000	0.181	9.63	54.59	4.450	2.0665
3.200	0.166	8.78	55.78	5.303	2.1671
3.400	0.146	7.73	55.66	5.790	2.1888
3.600	0.136	7.22	54.36	6.063	2.2462
3.800	0.124	6.58	52.62	6.255	2.2589
4.000	0.115	6.13	51.65	6.295	2.3038

RESPONSE SPECTRUM

RECORD # S-658 E-W 1972-02-29-18-23
 STATION = YAMASHITA-HEN-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 35.00(SEC) SKIPPED LENGTH = 20.00(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC. = 46.86(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.059	49.62	9.20	0.109	0.0031
0.100	1.335	62.58	23.95	0.501	0.0159
0.150	1.719	80.57	48.78	1.442	0.0457
0.200	4.269	200.04	163.17	5.595	0.2025
0.250	4.359	204.26	205.96	8.020	0.3215
0.300	3.299	154.59	154.45	7.370	0.3520
0.350	3.044	142.67	168.25	7.883	0.4409
0.400	1.794	84.09	106.95	5.858	0.3398
0.450	1.767	82.80	108.17	6.356	0.4221
0.500	2.537	118.87	132.38	9.369	0.7484
0.550	1.505	70.53	101.14	6.833	0.5380
0.600	1.085	50.83	80.70	4.795	0.4610
0.650	1.043	48.88	79.58	5.840	0.5211
0.700	1.080	50.62	79.59	6.264	0.6234
0.750	1.086	50.91	79.27	6.539	0.7211
0.800	1.412	66.15	96.12	8.400	1.0657
0.850	1.183	55.41	87.19	8.612	1.0079
0.900	0.955	44.75	67.07	7.563	0.9129
0.950	0.868	40.67	64.45	6.233	0.9252
1.000	0.762	35.70	62.53	6.448	0.8979
1.100	0.717	33.62	63.39	7.132	1.0227
1.200	0.622	29.14	68.11	7.558	1.0551
1.300	0.453	21.21	67.01	5.785	0.8967
1.400	0.371	17.38	61.60	5.172	0.8585
1.500	0.533	24.97	66.03	6.162	1.4132
1.600	0.464	21.74	66.06	6.740	1.3997
1.700	0.384	18.02	61.47	6.874	1.3122
1.800	0.384	17.99	57.05	5.751	1.4557
1.900	0.332	15.55	56.44	5.415	1.4088
2.000	0.285	13.37	53.12	5.138	1.3340
2.200	0.245	11.47	49.75	4.137	1.3890
2.400	0.230	10.79	50.73	3.770	1.5661
2.600	0.244	11.42	51.14	4.692	1.9458
2.800	0.254	11.90	51.85	5.222	2.3473
3.000	0.230	10.78	53.39	4.879	2.4459
3.200	0.259	12.13	54.23	5.708	3.1230
3.400	0.213	9.98	53.65	5.311	2.9045
3.600	0.157	7.37	52.49	5.016	2.4047
3.800	0.146	6.82	51.61	4.973	2.4792
4.000	0.145	6.82	51.08	4.996	2.7492

RESPONSE SPECTRUM

RECORD # S-658 E-W 1972-02-29-18-23
 STATION # YAMASHITA-HEN-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 35.00(SEC) SKIPPED LENGTH = 20.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.# 46.86(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.066	49.97	7.37	0.092	0.0032
0.100	1.186	55.58	17.33	0.421	0.0140
0.150	1.674	78.43	42.02	1.307	0.0444
0.200	3.201	149.99	113.11	3.967	0.1484
0.250	2.837	132.96	132.47	5.208	0.2059
0.300	2.506	117.43	122.19	5.399	0.2625
0.350	1.985	93.03	116.51	5.735	0.2820
0.400	1.378	64.58	92.40	5.046	0.2563
0.450	1.474	69.10	83.92	5.035	0.3476
0.500	1.610	75.44	94.46	5.940	0.4668
0.550	1.145	53.67	82.53	5.646	0.4027
0.600	0.896	41.98	76.75	4.685	0.3744
0.650	0.835	39.13	73.87	4.885	0.4052
0.700	0.897	42.04	70.75	4.755	0.5042
0.750	0.858	40.23	69.82	5.116	0.5529
0.800	0.962	45.08	74.30	5.572	0.7088
0.850	0.856	40.13	72.66	5.787	0.7100
0.900	0.724	33.91	63.22	5.755	0.6746
0.950	0.657	30.80	60.75	5.476	0.6892
1.000	0.615	28.82	60.95	5.773	0.7124
1.100	0.515	24.15	60.65	6.099	0.7174
1.200	0.463	21.69	61.90	5.906	0.7549
1.300	0.405	18.98	62.64	5.113	0.7858
1.400	0.359	16.82	61.31	4.935	0.8015
1.500	0.360	16.88	62.06	5.372	0.9138
1.600	0.333	15.59	61.44	5.734	0.9747
1.700	0.276	12.94	58.27	5.544	0.9167
1.800	0.290	13.61	53.43	4.600	1.0524
1.900	0.258	12.11	53.16	3.931	1.0252
2.000	0.231	10.80	51.81	4.074	1.0351
2.200	0.204	9.55	49.74	3.847	1.1282
2.400	0.184	8.63	50.57	3.595	1.2217
2.600	0.187	8.76	51.06	3.732	1.4687
2.800	0.184	8.64	51.68	3.678	1.6757
3.000	0.180	8.44	52.49	4.078	1.8984
3.200	0.185	8.68	52.93	4.243	2.2040
3.400	0.170	7.99	52.71	4.428	2.2961
3.600	0.149	6.97	52.11	4.592	2.2317
3.800	0.134	6.30	51.49	4.685	2.2724
4.000	0.127	5.93	50.97	4.745	2.3627

RECORDS=658
DATE AND TIME=1972-02-29-18-23
COMPONENT=N-S
SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.
TOTAL NUMBER OF DATA=6000

STATION=YAMASHITA=HEN=5
TOTAL NUMBER OF DATA=6000

SAMPLING INTERVAL= 0.010 (SEC) FORMAT NO.#301

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-0.10	-1.70	-2.00	-2.30	-2.10	-0.70	-0.20	-2.60	-2.20	2.50
2	0.	-1.80	-1.30	-2.20	-1.80	-0.40	-0.20	-2.90	-1.90	2.80
3	-0.00	-1.80	-0.50	-2.20	-2.20	0.00	-0.40	-3.30	-2.10	2.50
4	-0.20	-1.80	-0.20	-1.90	-2.10	0.00	-0.40	-3.40	-2.00	1.90
5	-0.20	-1.80	-0.20	-1.60	-1.90	0.20	-0.10	-3.20	-2.00	0.90
6	-0.20	-1.80	-0.10	-1.20	-1.20	0.20	-0.10	-2.90	-0.30	-0.90
7	-0.20	-1.20	-0.60	-0.80	-0.80	0.10	-0.80	-2.60	0.20	-0.90
8	-0.20	-1.10	-0.70	-0.60	-0.20	0.10	-1.60	-2.20	0.40	-1.50
9	-0.80	-0.50	-0.80	-0.20	0.10	0.10	-2.70	-1.20	0.10	-2.20
10	-1.00	-0.50	-2.20	0.00	0.10	-1.00	-3.80	-1.10	-0.10	-3.20
11	-0.90	-0.60	-2.70	0.50	-0.60	-1.60	-4.60	-0.10	-0.10	-3.20
12	-1.00	-0.50	-2.80	0.20	-0.80	-2.20	-5.60	0.70	-0.50	-4.00
13	-1.20	-0.60	-2.80	-0.10	-1.10	-2.80	-5.30	1.00	-0.80	-3.70
14	-1.30	-1.20	-2.80	-0.80	-1.20	-2.60	-5.00	0.20	-0.60	-4.00
15	-1.90	-1.20	-2.80	-1.10	-1.30	-2.60	-4.29	-0.50	-2.00	-4.30
16	-1.90	-1.20	-2.60	-1.00	-1.00	-3.20	-2.90	-1.60	-2.00	-4.30
17	-2.50	-1.00	-2.60	-0.60	-0.80	-2.80	-2.20	-2.20	-4.00	-3.40
18	-1.70	-0.80	-2.00	-0.20	-0.50	-2.80	-1.80	-2.60	-2.40	-2.40
19	-1.00	-0.90	-1.00	-0.10	-0.10	-2.20	-1.50	-3.00	-5.00	-1.90
20	-0.70	-1.70	-1.00	-0.10	-0.10	-2.00	-1.50	-3.00	-4.50	-1.20
21	-1.00	-1.80	-1.00	0.00	0.00	-2.00	-0.70	-3.60	-3.80	-0.60
22	-1.90	-1.80	-1.00	-0.50	0.10	-1.60	-0.30	-4.00	-2.90	-0.10
23	-2.60	-1.70	-1.00	-0.70	-0.10	-1.20	-0.40	-3.70	-2.90	0.60
24	-2.40	-1.10	-0.90	-0.90	-0.20	-0.80	-0.40	-3.20	-0.40	1.20
25	-1.80	-0.40	-0.20	-1.00	-0.80	-0.20	-0.50	-3.30	0.20	1.20
26	-1.40	-0.20	-0.10	-0.60	-1.90	-0.40	-0.80	-3.00	0.90	1.20
27	-1.00	-0.40	-0.00	-0.60	-1.80	-0.40	-0.90	-2.90	1.00	0.70
28	-0.20	-1.00	-0.10	-0.80	-1.80	-0.10	-1.10	-2.60	0.40	0.20
29	-0.20	-1.40	-0.10	-0.80	-1.80	-0.10	-1.20	-2.50	-0.10	-0.90
30	-0.20	-1.50	-0.10	-0.80	-1.10	-0.20	-1.40	-2.80	-0.80	-2.10
31	-0.60	-1.50	-0.70	-0.80	-0.50	-0.20	-1.20	-1.50	-1.30	-3.30
32	-0.70	-1.50	-0.70	-1.40	-0.50	-0.20	-1.20	-1.20	-1.60	-4.00
33	-0.60	-1.40	-2.20	-1.20	-0.10	-0.20	-1.30	-1.80	-1.50	-3.70
34	-0.30	-0.80	-2.20	-0.90	-0.10	-0.20	-1.60	-1.60	-1.60	-3.40
35	-0.40	-0.70	-2.50	-0.70	0.10	-0.10	-2.90	0.30	-1.40	-2.90
36	-1.10	-0.70	-3.20	-0.50	0.	-0.10	-3.20	0.20	-1.20	-2.20
37	-1.10	-0.70	-3.20	-0.20	0.00	-0.20	-3.30	0.00	-1.50	-3.00
38	-0.80	-0.70	-3.30	-0.60	0.10	-0.20	-3.30	0.00	-1.50	-3.00
39	-0.50	-0.70	-3.30	-0.80	-0.20	-0.70	-3.30	0.10	-1.80	-3.50
40	-0.90	-0.70	-3.30	-1.10	-0.40	-1.00	-3.10	-1.20	-2.20	-2.60
41	-0.90	-0.70	-3.30	-0.80	-0.80	-1.20	-2.90	-1.90	-2.90	-2.20
42	-1.20	-1.40	-2.50	-0.60	-1.60	-1.60	-1.70	-3.00	-3.30	-1.80
43	-1.50	-1.40	-2.50	-0.10	-2.00	-1.30	-1.20	-4.00	-4.00	-1.00
44	-1.50	-1.70	-1.40	0.10	-2.40	-1.60	-1.20	-4.30	-4.30	-0.60
45	-1.50	-2.00	-0.50	0.20	-2.80	-1.30	-0.60	-3.90	-3.20	0.10
46	-0.80	-2.00	0.20	-0.00	-2.70	-1.50	-0.40	-3.30	-2.90	1.20
47	-0.60	-2.00	0.20	-0.80	-2.70	-1.20	-1.10	-3.90	-2.90	1.80
48	-0.50	-2.00	-1.00	-0.30	-2.40	-1.20	-1.40	-3.20	-1.50	2.20
49	-0.50	-2.00	-1.40	-1.50	-2.40	-1.00	-2.30	-2.70	-0.90	2.50
50	-1.10	-2.00	-1.80	-1.80	-1.20	-0.50	-2.30	-2.60	0.10	2.20
										1.60

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	0.90	-4.00	-0.50	0.80	0.10	-4.70	-1.90	1.00	0.80	4.80
2	-0.20	-4.00	-0.10	0.10	0.10	-4.60	-1.80	0.50	-1.20	5.20
3	-1.40	-4.00	0.40	-0.60	-0.80	-4.90	-1.40	0.70	-1.50	5.30
4	-2.20	-3.80	0.50	-1.20	-1.50	-4.00	-1.40	0.320	-1.50	5.30
5	-3.40	-3.40	0.50	-1.50	-2.50	-3.30	-1.40	0.400	-1.70	5.39
6	-4.60	-2.20	0.50	-2.70	-2.90	-2.90	-1.40	0.400	-1.80	5.69
7	-5.70	-1.10	0.20	-3.80	-2.90	-2.50	-1.40	0.500	-1.50	5.90
8	-5.70	0.80	-0.20	-4.00	-3.00	-2.20	-1.40	0.490	-1.10	6.70
9	-6.30	1.80	-0.70	-5.00	-2.80	-3.90	-1.40	0.490	-0.60	6.50
10	-6.70	1.80	-0.70	-5.60	-3.20	-3.00	-1.40	0.430	0.20	6.10
11	-6.59	1.90	-0.70	-6.00	-3.50	0.10	-1.40	0.390	0.20	6.30
12	-5.59	1.60	-0.70	-5.70	-3.40	0.70	-1.20	0.310	1.10	6.80
13	-4.70	1.30	-0.60	-5.70	-3.40	0.80	-1.00	0.210	1.40	7.00
14	-3.99	1.20	-0.60	-5.70	-3.10	0.80	-0.70	0.100	1.40	7.00
15	-2.10	1.20	-0.60	-5.40	-2.80	1.80	-0.60	1.80	1.40	2.00
16	-0.70	1.20	-1.40	-5.10	-2.70	1.70	-0.10	2.30	1.50	0.90
17	-0.20	0.60	-2.40	-4.40	-2.70	1.60	0.20	2.50	1.40	0.10
18	0.50	-0.30	-4.00	-3.50	-2.70	1.40	0.20	2.50	0.80	0.20
19	0.50	-1.00	-4.70	-2.70	-2.30	1.20	0.20	2.20	-1.10	0.20
20	0.50	-1.50	-4.70	-2.00	-2.20	0.40	0.20	2.00	-2.90	0.20
21	0.10	-2.20	-4.40	-0.90	-2.20	-0.10	-0.70	2.30	-4.00	-2.80
22	-0.10	-3.00	-4.10	0.20	-1.60	-1.10	-1.10	1.60	-4.00	-3.60
23	-0.70	-3.30	-3.80	1.00	-1.30	-1.90	-1.80	0.50	-4.20	-3.90
24	-1.40	-4.30	-3.80	1.00	-1.50	-2.70	-1.20	0.60	-4.20	-3.60
25	-1.50	-5.00	-3.40	0.10	-1.60	-3.80	-1.70	0.60	-3.40	3.00
26	-2.20	-5.00	-2.90	-0.80	-2.20	-4.40	-1.80	0.700	-3.40	2.10
27	-2.60	-5.50	-2.90	-1.70	-2.90	-5.20	-1.20	0.748	-3.40	0.100
28	-2.60	-5.70	-2.60	-1.90	-3.60	-5.50	-0.50	0.610	-3.40	1.90
29	-2.60	-5.30	-1.20	-1.90	-4.09	-5.90	0.20	0.550	-3.40	2.10
30	-2.00	-4.69	-0.40	-1.90	-4.00	-5.79	0.20	0.550	-3.40	3.00
31	-1.50	-2.80	0.80	-2.60	-0.50	-4.29	1.00	0.539	-3.40	3.20
32	-1.20	-1.70	1.30	-2.60	-0.50	-3.00	0.80	0.450	-3.20	2.50
33	-1.00	-0.20	1.30	-3.20	0.00	-2.40	0.20	0.390	-3.30	3.40
34	-1.00	0.10	1.30	-4.10	0.20	-1.20	-0.60	0.320	-3.20	0.60
35	-1.00	0.10	0.60	-4.90	0.20	-0.50	-1.50	0.230	-3.29	0.40
36	-1.00	-0.20	0.10	-5.60	0.20	-0.10	-2.90	0.170	-0.20	2.00
37	-1.00	-0.40	-0.20	-6.00	0.50	0.40	-4.70	0.160	-0.20	5.50
38	-0.80	-0.40	-1.20	-6.00	0.50	0.40	-5.49	0.150	-0.20	4.00
39	-0.80	-0.50	-2.00	-6.49	0.20	0.50	-4.59	0.140	1.10	3.30
40	-1.10	-0.70	-2.60	-5.40	-0.20	0.00	-3.40	0.050	1.20	3.50
41	-1.20	-1.40	-3.00	-4.90	-0.80	0.50	-2.20	0.10	1.20	4.30
42	-1.60	-1.80	-3.40	-4.49	-1.10	0.80	-1.60	0.20	1.20	4.30
43	-1.80	-2.40	-3.80	-4.20	-1.10	0.80	-1.30	0.20	1.20	4.30
44	-1.80	-2.50	-3.20	-4.20	-1.10	1.90	-1.30	0.20	0.90	4.10
45	-1.90	-1.90	-2.60	-4.20	-1.50	1.90	-2.00	0.30	0.00	4.70
46	-1.90	-1.80	-1.50	-2.50	-2.60	1.40	-2.00	0.140	-2.70	4.20
47	-1.80	-1.80	-0.20	-2.90	-2.60	0.40	-2.00	0.120	-2.70	3.30
48	-2.50	-1.60	0.20	-2.30	-3.00	-1.00	-2.90	0.100	-3.00	2.40
49	-3.20	-1.50	0.70	-1.90	-3.90	-1.00	-2.90	0.180	-3.60	3.00
50	-3.60	-1.20	1.20	-1.10	-4.30	-2.60	-2.00	0.80	-4.50	4.80

RECORD#S-658
 DATE AND TIME#1977-02-29-18-23
 COMPONENT#N-S
 SIGNAL#GR.ACC.
 SAMPLING INTERVAL# 0.010(SEC)
 CORRECTION#ARC.ERR.
 FORMAT NO.#301
 STATION#YAMASHITA=HEN#S
 TOTAL NUMBER OF DATA# 6000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-0.80	1.20	1.00	3.20	2.90	-0.80	0.60	0.50	-3.80	2.00
2	-0.80	1.20	1.20	3.60	4.20	-0.80	-0.20	0.00	-2.60	1.20
3	-0.80	0.70	1.20	3.59	4.60	-0.60	-0.90	0.10	-1.90	0.20
4	-0.80	0.10	0.20	1.70	4.70	-0.50	-1.70	0.30	-0.70	0.
5	-0.80	-0.50	-1.80	0.90	4.90	-0.50	-2.40	0.30	0.10	0.
6	-0.80	-0.80	-2.90	-0.00	4.39	-0.50	-3.50	0.40	0.80	1.50
7	-0.80	-1.20	-3.20	-1.70	2.20	-0.50	-4.50	0.80	1.50	1.50
8	-0.40	-1.80	-3.30	-3.30	1.30	-0.40	-5.30	1.20	1.80	1.20
9	-0.10	-2.20	-3.00	-4.70	-0.10	-0.80	-6.01	1.50	2.20	1.60
10	0.20	-2.60	-2.60	-5.70	-1.00	-0.90	-7.01	1.50	2.50	1.60
11	0.20	-2.50	-1.90	-5.90	-1.80	-1.20	-7.49	1.50	2.50	1.70
12	-0.40	-1.40	-1.40	-5.79	-2.50	-1.20	-6.89	1.50	1.70	1.50
13	-0.90	-1.00	-0.90	-4.69	-3.20	-1.20	-5.59	1.50	1.70	1.50
14	-1.50	-0.80	-0.40	-3.10	-4.00	-0.80	-4.20	1.50	0.10	1.50
15	-2.20	-0.20	0.00	-0.80	-4.60	-0.80	-3.70	1.50	-1.00	1.50
16	-2.70	0.00	0.20	0.30	-4.60	-1.20	-3.10	1.40	-2.20	1.50
17	-3.40	0.20	0.70	0.90	-4.60	-1.00	-2.30	1.30	-2.90	1.50
18	-3.40	0.20	1.20	1.10	-4.20	-2.40	-2.20	0.40	-2.90	1.50
19	-2.60	0.50	1.60	1.10	-3.40	-3.80	-1.90	0.40	-2.90	1.50
20	-1.40	0.60	1.70	1.10	-2.80	-4.00	-1.50	0.40	-2.70	1.50
21	3.20	0.60	1.80	1.10	-2.80	-3.80	-0.20	0.30	-2.70	0.50
22	3.80	0.60	1.30	1.10	-0.90	-2.80	1.10	0.80	-2.70	2.70
23	3.90	0.20	1.20	1.10	-0.50	-1.70	1.90	0.80	-2.70	3.80
24	3.70	-0.10	1.20	1.10	0.70	-0.70	2.10	0.80	-1.80	4.20
25	3.30	-0.80	1.20	1.10	1.10	0.30	2.10	0.80	-1.30	4.60
26	3.00	-1.00	1.00	1.00	1.10	0.30	2.20	0.80	-0.80	4.60
27	2.20	-1.50	0.70	1.10	1.80	1.30	2.20	0.30	-0.30	4.60
28	1.00	-2.30	1.20	1.10	1.90	1.90	1.60	0.50	-0.10	4.59
29	0.20	-2.90	2.20	1.90	2.10	2.20	0.80	0.50	0.10	1.20
30	-1.00	-3.60	2.20	2.00	2.20	2.20	0.20	0.50	0.10	1.20
31	-2.61	-4.00	2.30	2.00	1.20	2.50	0.20	0.50	0.10	1.60
32	-7.30	-4.00	2.20	2.00	0.10	2.50	0.10	0.50	0.10	1.60
33	-7.29	-5.00	1.50	1.90	-1.40	2.60	-0.40	0.50	0.10	1.20
34	-6.70	-1.80	0.50	1.20	-1.80	2.50	-0.90	0.10	-0.20	-2.50
35	-6.58	-1.20	0.50	0.40	-2.80	2.50	-1.90	0.10	-0.20	-2.50
36	-4.40	-0.60	-0.00	-0.40	-2.00	1.20	-1.20	0.80	-0.20	-3.40
37	-3.40	-0.10	-0.30	-1.10	-1.80	-0.00	-1.60	1.50	0.80	-4.30
38	-1.80	0.20	-1.10	-2.30	-1.80	-0.00	-1.90	1.80	0.80	-5.10
39	-0.90	0.40	-2.00	-3.80	-1.20	-2.90	-1.90	2.60	5.00	-5.70
40	-0.40	0.80	-2.00	-4.91	-0.80	-3.30	-1.90	2.60	5.00	-5.99
41	-0.20	1.20	-5.01	-6.60	-0.80	-3.40	-1.90	2.90	5.39	-5.20
42	-0.20	1.70	-6.30	-6.60	-0.60	-2.40	-2.30	3.40	5.30	-4.59
43	1.10	1.90	-6.30	-6.29	-0.20	-0.50	-2.20	3.40	5.30	-3.30
44	1.20	1.20	-6.19	-5.60	0.20	0.20	-1.90	3.40	5.30	-2.00
45	1.30	0.30	-5.19	-4.90	0.80	0.10	-1.50	2.50	5.30	0.40
46	1.20	-0.20	-3.10	-4.30	1.00	0.10	-1.00	2.50	1.50	0.40
47	1.30	-0.20	-2.10	-3.50	0.60	1.30	-0.20	1.00	2.90	1.20
48	1.10	-0.10	-1.10	-2.70	0.20	1.50	0.80	0.30	4.40	1.50
49	0.50	0.30	1.20	-0.50	1.40	1.50	0.80	2.50	4.70	0.80
50	1.80	0.70	2.70	0.90	-0.80	1.30	1.20	3.10	4.70	0.20

RECORD=S-658 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=YAMASHITA-MEN=S
 DATE AND TIME=1977-02-29-18-23 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.0301 TOTAL NUMBER OF DATA=6000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-1.10	-0.60	2.40	2.40	3.10	3.90	3.70	0.80	3.50	4.30
2	-1.10	-0.60	2.90	2.90	3.10	3.90	3.70	1.10	3.50	4.30
3	-1.10	-0.40	7.11	3.10	2.40	3.90	2.30	1.10	3.20	4.00
4	-1.10	-0.40	7.91	2.50	1.90	3.90	0.70	1.10	3.20	3.80
5	-0.80	-0.90	8.40	2.10	0.40	3.89	-1.20	1.30	3.40	2.80
6	-0.80	-0.90	8.40	0.80	-0.60	0.50	-3.10	1.90	3.90	-2.00
7	-0.70	-1.00	8.40	-0.10	-2.20	1.60	-3.80	2.80	4.20	-0.80
8	-1.60	-2.20	8.40	-0.90	-3.20	-3.00	-4.50	2.90	4.30	0.70
9	-2.40	-3.00	8.39	-1.80	-4.70	-4.70	-4.60	3.20	4.30	0.70
10	-2.50	-3.80	7.68	-2.50	-5.00	-5.30	-4.70	3.20	3.40	1.20
11	-2.60	-4.00	5.99	-5.60	-5.00	-5.30	-4.80	3.20	2.90	1.80
12	-2.50	-4.00	4.00	-4.60	-5.00	-5.30	-4.70	3.20	2.90	0.30
13	-2.60	-4.30	2.20	-4.70	-5.60	-6.10	-4.80	2.20	2.90	0.30
14	-1.80	-4.30	4.50	-4.70	-5.79	-6.41	-4.80	1.10	2.30	-2.10
15	-1.80	-4.00	1.50	-4.70	-5.10	-7.01	-4.69	0.50	1.70	4.00
16	-1.80	-3.70	1.50	-4.70	-4.59	-7.60	-3.30	0.20	1.00	0.90
17	-2.20	-3.30	-1.20	-4.80	-3.10	-7.59	-2.40	0.60	0.20	0.60
18	-3.50	-2.60	0.80	-4.80	-2.10	-6.49	-0.90	1.10	0.30	0.30
19	-3.60	-2.00	1.60	-4.00	-0.30	-5.79	1.00	3.70	0.90	0.60
20	-3.30	-0.80	2.70	-3.20	0.60	-3.79	2.10	2.20	1.10	0.60
21	-1.70	0.10	3.40	-2.00	2.50	-0.60	2.20	2.60	-1.10	0.90
22	-0.80	0.90	3.40	0.20	5.01	1.90	2.00	2.60	-1.10	0.90
23	-0.30	2.10	3.40	1.30	7.61	4.01	1.90	2.60	-1.80	0.30
24	-0.10	3.20	3.90	2.90	8.41	6.31	1.80	2.60	-2.50	0.70
25	-0.10	3.20	3.90	3.90	9.00	7.40	1.10	2.60	3.40	0.30
26	-0.10	3.20	3.90	4.30	8.90	7.49	0.60	2.60	3.80	0.30
27	-0.10	3.20	3.90	4.30	8.90	6.28	-0.10	2.60	3.10	0.30
28	-1.10	3.20	3.90	4.30	1.70	4.29	-0.80	2.60	4.00	0.30
29	-2.00	2.30	3.90	3.70	-0.80	2.00	-0.80	2.60	4.00	0.30
30	-2.20	0.90	3.59	2.30	-3.00	-2.10	-2.20	1.90	4.00	0.30
31	-2.20	-0.80	0.70	1.40	-5.22	-4.71	-3.00	1.20	0.40	0.50
32	-2.30	-1.60	-2.50	0.10	-8.13	-5.91	-3.10	1.20	0.50	2.20
33	-2.30	-3.71	-3.90	-0.60	-10.41	-6.70	-5.10	1.20	2.20	2.90
34	-1.70	-5.91	-3.40	-1.40	-10.71	-7.10	-3.30	1.20	2.90	3.30
35	-0.90	-7.50	-3.40	-2.70	-6.99	-7.00	-3.70	1.00	3.00	3.90
36	0.00	-7.50	-3.40	-4.10	-6.29	-7.00	-2.60	0.20	4.00	3.90
37	0.60	-7.50	-3.40	-4.20	-5.70	-7.00	-2.40	0.20	4.40	3.70
38	1.10	-7.50	-3.40	-4.20	-5.70	-7.00	-2.40	0.20	4.40	3.70
39	1.50	-7.09	-3.40	-4.20	-5.00	-6.98	0.10	0.80	4.50	3.10
40	1.50	-5.76	-3.40	-4.20	-4.30	-4.59	0.40	0.20	4.50	3.10
41	2.00	-0.80	-2.30	-4.00	-3.20	-3.20	1.10	0.20	4.50	3.10
42	2.00	1.10	-1.80	-3.50	-2.50	-1.30	1.20	0.20	4.50	3.10
43	2.20	3.31	-1.30	-3.50	-1.40	-0.10	1.20	0.20	4.50	3.10
44	1.70	5.60	-1.00	-3.50	0.00	1.30	1.20	0.20	4.50	3.10
45	0.90	6.31	0.80	-2.40	0.40	2.20	0.60	0.20	4.50	3.10
46	0.50	6.91	-0.20	-1.20	1.20	3.50	0.50	0.20	4.50	3.10
47	0.30	7.41	-0.20	-0.30	2.00	3.70	-0.80	0.20	4.50	3.10
48	-0.10	8.07	0.10	0.10	2.80	3.70	-0.80	0.20	4.50	3.10
49	-0.50	6.25	1.00	2.00	3.20	3.70	-0.80	0.20	4.50	3.10
50	-0.60	0.70	1.70	2.70	3.70	3.70	-0.60	1.10	4.50	3.10

NO.	STATION=YAMASHITA=HEN=*									
	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	2.90	-2.20	1.90	-4.10	-1.50	-2.10	5.80	1.50	4.81	3.40
2	2.90	-1.60	1.60	-3.60	-1.30	-3.00	5.60	7.37	6.20	1.90
3	2.70	-1.50	1.20	-2.70	-1.00	-3.90	5.00	13.04	6.80	1.10
4	0.80	-1.50	0.80	-1.80	-0.60	-4.60	4.40	16.85	6.90	-0.30
5	-3.61	-1.50	0.60	-0.30	-0.60	-4.70	3.30	19.26	7.21	-0.60
6	-8.02	-1.50	0.60	1.10	-0.60	-3.70	2.40	19.84	7.91	-4.90
7	-9.63	-1.40	2.90	3.10	-0.70	-2.60	1.80	19.06	6.50	-4.61
8	-10.81	-1.20	3.50	4.80	-0.80	-1.40	0.60	17.22	8.50	-7.12
9	-11.40	-1.20	3.30	5.60	0.20	-0.40	-0.40	14.48	8.50	-9.23
10	-11.51	-0.60	3.20	5.70	0.80	0.60	-2.50	11.80	8.46	-10.77
11	-11.61	-0.50	3.20	5.09	1.60	1.10	-4.51	8.63	5.69	-9.49
12	-12.19	-0.50	3.00	3.99	2.40	1.10	-5.80	4.58	3.89	-8.78
13	-11.94	-0.50	2.80	1.60	3.20	0.80	-6.00	0.60	0.80	-7.50
14	-10.04	-0.50	2.30	-0.20	3.90	0.50	-6.00	1.90	-2.81	-7.40
15	-7.47	-0.40	1.20	1.80	4.30	0.40	-6.01	4.11	-6.94	-7.39
16	-4.59	-0.40	-0.50	-3.20	4.90	-0.10	-6.70	6.01	-10.48	-6.39
17	-2.20	-0.10	-2.80	-4.00	5.00	-0.40	-6.90	7.21	-13.63	-5.09
18	-0.90	0.20	-3.90	-4.00	5.10	-1.10	-6.59	8.00	-14.45	-3.60
19	0.90	0.50	-4.60	-4.00	5.10	-1.50	-5.09	8.10	-15.51	-2.00
20	2.80	0.80	-5.60	-4.00	4.49	-1.50	-4.00	8.10	-15.55	-1.90
21	3.70	1.10	-6.00	-3.40	3.30	-1.50	-2.60	8.09	-14.65	-1.20
22	4.90	1.10	-6.00	-2.20	1.70	-1.20	-1.20	7.38	-13.65	-0.20
23	5.20	1.20	-6.50	-0.80	0.10	-0.10	-1.20	6.09	-12.34	1.20
24	5.30	2.20	-7.01	0.70	-2.20	1.10	0.10	4.90	-10.53	3.30
25	5.30	2.20	-7.81	2.80	-3.61	1.90	2.20	4.09	-7.75	5.31
26	5.70	2.20	-8.40	4.60	-6.42	2.30	5.01	2.69	-4.19	6.71
27	5.18	2.40	-8.39	5.60	-8.61	3.00	7.12	1.80	-0.40	8.12
28	2.50	3.40	-8.00	6.81	-9.51	4.20	8.61	4.92	1.40	9.64
29	-0.80	3.90	-8.00	7.00	-10.11	5.00	9.51	8.02	3.00	11.62
30	-4.11	4.40	-8.00	7.00	-10.41	5.30	9.80	9.32	3.30	12.34
31	-5.71	5.20	-8.00	6.99	-10.81	5.60	9.80	10.51	3.30	13.41
32	-7.32	5.30	-8.00	6.19	-11.10	6.10	9.80	10.80	3.30	13.58
33	-8.91	5.40	-7.99	4.70	-11.10	6.60	9.56	10.80	3.30	13.14
34	-9.52	5.40	-7.59	4.00	-11.10	6.90	7.66	10.78	3.20	11.64
35	-10.52	5.70	-6.69	2.60	-11.10	6.99	4.18	9.38	3.30	9.54
36	-11.53	5.70	-5.99	1.90	-11.18	6.40	-0.00	8.36	2.90	6.57
37	-12.61	5.70	-4.99	1.80	-10.38	5.99	-3.61	8.16	3.60	3.40
38	-12.80	5.70	-3.40	1.80	-9.57	5.10	-5.92	5.48	0.90	1.40
39	-12.83	5.70	-2.00	1.70	-7.98	4.80	-8.82	2.90	0.70	-0.50
40	-13.60	5.70	-1.30	1.80	-6.69	4.50	-10.05	0.40	0.70	-2.60
41	-13.60	5.70	-1.60	1.30	-5.99	4.50	-12.40	-1.00	-0.40	-4.90
42	-13.60	5.70	-2.10	0.50	-4.39	4.50	-15.56	3.00	-1.60	-4.90
43	-13.60	5.70	-2.40	-0.20	-3.00	4.50	-18.79	3.70	-1.80	-4.39
44	-13.47	5.70	-3.20	-0.90	-1.90	4.20	-22.19	3.70	-1.60	-3.00
45	-12.41	5.70	-4.10	-1.80	-1.20	3.90	-20.17	3.70	-0.10	-0.60
46	-6.99	5.70	-3.60	-2.20	-0.80	3.70	-17.64	3.69	1.20	2.00
47	-6.00	5.69	-4.60	-2.20	-0.80	3.80	-15.31	1.50	2.30	3.91
48	-5.59	4.79	-4.90	-2.20	-0.50	4.20	-13.48	0.00	3.30	6.32
49	-4.00	2.90	-4.90	-2.20	-0.10	5.00	-9.98	1.60	3.90	8.62
50	-2.90	2.00	-4.90	-2.00	-0.80	5.60	-4.38	2.70	3.90	9.90

RECORD#S-658 COMPONENT#N=5 SIGNAL#GR.ACC. CORRECTION#ARC.ERR. STATION#YAMASHITA=HEN=*

DATE AND TIME#1972-02-29-18-23 SAMPLING INTERVAL# 0.010(SEC) FORMAT No.#301 TOTAL NUMBER OF DATA# 6000

NO.	COMPONENT#N-S										CORRECTION#ARC.ERR.	FORMAT NO.#801	TOTAL NUMBER OF DATA 6000		
	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)					
1	10.10	10.00	-3.10	4.40	4.09	-2.80	-8.92	13.91	-5.40	0.70					
2	10.10	10.09	-3.10	4.10	2.60	0.00	-10.02	11.83	-5.00	2.60					
3	10.10	9.48	-2.30	3.20	3.10	0.00	-11.02	9.65	-4.90	3.90					
4	10.07	8.26	-1.50	1.70	5.21	6.93	-11.80	6.96	-6.01	5.21					
5	8.57	5.59	-0.50	0.90	7.00	9.42	-11.79	3.10	-6.01	6.71					
6	6.79	3.39	0.90	-0.20	7.41	10.43	-11.57	1.00	-7.30	7.41					
7	5.60	1.20	2.70	-1.10	8.01	11.97	-10.58	0.80	-6.99	8.00					
8	5.40	-0.10	3.80	-1.50	8.50	14.28	-8.95	0.80	-5.69	8.00					
9	5.00	-0.40	3.90	-0.20	8.70	16.14	-5.09	0.90	-4.59	7.99					
10	4.69	-0.50	4.20	1.90	8.69	16.85	-3.00	2.10	-3.00	7.19					
11	3.40	-1.10	4.30	5.91	8.18	17.63	-1.10	2.40	-2.60	6.40					
12	2.00	-2.40	4.30	7.73	6.98	18.09	2.50	2.50	-2.40	5.90					
13	0.50	-2.60	4.30	9.82	4.89	17.89	3.91	3.10	-1.00	5.70					
14	-0.10	-2.60	3.90	10.60	2.60	16.25	5.62	3.19	-0.70	5.30					
15	-0.10	-2.60	3.60	10.60	0.40	13.63	8.33	0.30	-0.10	5.20					
16	-0.60	-4.10	3.00	10.58	-1.10	9.51	10.03	2.60	0.60	5.20					
17	-1.30	-4.30	1.40	9.68	-3.20	5.08	11.41	4.21	1.50	4.40					
18	-2.00	-4.30	0.10	8.48	-0.40	0.80	11.60	5.71	1.60	3.40					
19	-2.10	-4.20	-0.40	6.88	-2.40	-4.41	11.60	7.20	1.60	2.40					
20	-2.10	-3.70	-1.70	4.79	-1.40	7.44	11.53	7.51	0.30	1.90					
21	-2.10	-3.00	-4.11	2.90	-0.80	-10.93	9.17	8.53	-1.60	1.20					
22	-2.00	-2.40	-7.02	1.40	0.20	-12.15	7.49	-10.64	-5.94	-0.20					
23	-0.90	-2.40	-9.20	-0.50	1.20	-13.70	6.29	-12.10	-10.70	-1.20					
24	0.80	-1.20	-9.30	-3.50	2.40	-13.78	5.10	-12.10	-14.53	-2.70					
25	2.10	0.40	-9.29	-5.00	2.10	-13.18	3.10	-12.05	-15.31	-4.01					
26	4.51	1.80	-8.48	-5.61	1.20	-12.94	5.10	-10.35	-17.52	-6.61					
27	7.31	3.20	-6.99	-7.01	0.90	-11.47	5.10	-8.05	-19.52	-6.92					
28	8.50	5.11	-5.79	-8.02	0.80	-10.48	5.10	-4.68	-22.04	-8.73					
29	8.59	6.10	-4.39	-9.30	0.80	-9.57	5.50	1.20	-22.57	-10.44					
30	7.77	6.29	-2.40	-9.40	0.50	-8.16	5.70	1.40	-23.95	-12.17					
31	5.78	5.49	-0.10	-9.38	-0.20	-5.67	5.39	2.50	-23.36	-14.20					
32	2.49	4.59	1.70	-8.07	-0.90	-4.60	3.99	2.60	-21.03	-14.20					
33	-1.30	3.40	2.80	-5.78	-1.20	2.90	1.10	2.60	-16.14	-13.36					
34	-4.42	2.30	2.90	-2.70	-1.50	2.60	1.00	3.10	-9.91	-12.32					
35	-8.04	1.60	2.90	-0.60	-1.80	5.61	-1.90	3.20	-5.68	-9.74					
36	-11.15	1.50	2.90	0.90	-2.80	7.31	-3.70	3.50	-2.20	-6.88					
37	-12.85	0.90	2.90	1.00	-3.50	8.00	-4.40	4.10	0.90	-4.79					
38	-14.26	0.50	2.30	2.10	-4.20	8.10	-4.40	4.20	3.30	-2.70					
39	-15.60	-0.00	1.30	2.10	-4.91	8.09	-3.40	4.20	4.81	-1.00					
40	-15.49	-0.50	0.30	2.80	-6.02	7.59	-1.90	3.20	6.92	1.80					
41	-13.37	-1.20	-0.70	5.41	-8.91	6.68	-1.00	1.70	8.50	5.02					
42	-9.94	-2.20	-1.40	6.80	-9.67	4.99	2.71	0.00	8.49	8.87					
43	-7.16	-2.80	-1.50	7.00	-8.09	3.62	3.50	1.50	8.09	12.82					
44	-3.39	-2.90	-0.80	7.00	-7.40	3.50	9.15	2.80	7.29	16.23					
45	0.90	-3.10	0.60	7.00	-7.31	3.00	11.91	4.00	6.49	18.50					
46	4.11	-3.00	1.20	7.00	-8.02	0.90	15.48	5.20	5.89	19.97					
47	7.12	-3.00	2.40	7.00	-9.09	-1.10	17.09	6.00	4.89	21.85					
48	9.11	-3.00	3.30	7.00	-8.57	-3.41	18.41	6.10	3.79	22.31					
49	10.10	-3.10	4.30	6.99	-6.78	-5.62	18.41	6.00	2.10	22.20					
50	10.10	-3.00	4.40	5.79	-5.09	-8.41	17.00	5.70	0.80	20.19					

RECORD#	DATE AND TIME	S-658	COMPONENT#	N=5	SAMPLING INTERVAL=0.010(SEC)	AGC.	SIGNAL	ARC.ERR.	CORRECTION	FORMAT NO.	NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1		16.56	13.23	0.20	2.39	9.78	-7.08	12.28	-6.93	-2.79	-6.29										
2		11.07	8.73	-0.70	-4.53	8.58	-5.08	11.51	-0.10	2.70	-4.99										
3		6.36	4.38	-1.50	-11.16	7.17	-1.80	8.24	9.69	5.62	-3.39										
4		1.80	-0.00	-1.80	-21.47	4.90	1.20	4.39	19.15	8.55	-0.40										
5		-1.10	-4.93	-1.20	-30.98	4.80	2.40	1.00	26.14	11.53	2.20										
6		-4.30	-10.74	-0.60	-38.96	5.50	4.51	-2.40	29.70	12.62	4.00										
7		-4.79	-16.29	0.50	-43.28	6.11	5.92	-4.91	31.61	13.26	5.31										
8		-2.60	-19.73	0.40	-44.90	7.31	8.14	-7.53	31.80	12.25	6.91										
9		-0.70	-23.70	-0.20	-44.56	8.11	10.74	-9.85	28.75	10.65	7.79										
10		1.40	-25.50	-1.80	-43.73	8.59	12.18	-12.07	24.07	8.45	7.19										
11		2.70	-22.18	-2.50	-42.21	8.07	11.66	-14.47	18.50	5.26	6.29										
12		3.40	-15.00	-3.40	-38.56	5.88	10.12	-16.14	15.15	-1.20	5.39										
13		3.50	-9.09	-4.00	-30.70	3.29	6.34	-18.77	6.54	-5.13	3.90										
14		3.00	-3.19	-4.30	-16.89	-0.10	-0.00	-22.25	-0.10	-10.55	3.90										
15		1.90	1.30	-4.30	-6.11	-3.31	-5.75	-23.51	8.73	-17.13	3.40										
16		1.50	4.41	-4.29	5.49	-6.33	-12.75	-23.49	-16.59	-23.77	2.90										
17		0.60	6.01	-3.00	19.91	-9.74	-17.83	-22.47	-21.75	-26.28	2.90										
18		-0.20	7.08	-2.10	29.45	-11.81	-22.50	-20.28	-20.25	-30.22	2.20										
19		-0.30	5.49	-1.20	34.49	-12.83	-26.12	-16.63	-31.53	-32.78	1.50										
20		0.10	3.30	-0.90	38.56	-13.08	-28.19	-10.60	-34.73	-32.36	1.80										
21		0.80	1.20	-0.80	42.92	-12.47	-29.03	-6.45	-34.89	-30.30	1.50										
22		2.50	0.10	-1.70	45.42	-11.43	-28.57	-1.20	-33.46	-25.43	1.50										
23		3.00	-0.10	-3.71	46.43	-9.04	-27.14	5.32	-29.35	-17.65	1.90										
24		3.00	-0.10	-7.04	45.51	-5.78	-24.84	9.09	-24.93	-9.91	2.10										
25		2.20	-0.10	-11.22	42.53	-3.49	-21.90	14.51	-12.46	-5.78	1.80										
26		1.20	0.00	-15.81	38.20	-0.80	-16.11	19.25	-2.59	-2.50	0.40										
27		0.50	0.10	-17.87	32.28	2.20	-6.120	22.41	6.07	0.60	-1.00										
28		-0.50	0.50	-20.40	25.96	3.20	5.17	24.38	15.22	1.80	-2.50										
29		-1.20	0.80	-22.32	19.37	3.90	16.47	25.67	21.63	2.90	-3.20										
30		-2.00	2.00	-21.44	14.25	4.29	19.57	25.97	28.16	3.60	-3.20										
31		-2.80	2.30	-19.62	8.57	2.50	22.61	25.00	29.70	4.40	-1.70										
32		-2.80	2.90	-15.22	0.70	-0.80	24.49	23.27	31.19	4.40	-0.20										
33		-2.80	3.20	-11.58	-10.51	-4.42	24.16	19.59	32.03	5.61	3.90										
34		-2.80	3.90	-4.07	-19.33	9.28	22.30	14.71	32.02	7.04	3.90										
35		-2.80	3.90	4.23	-23.93	-14.01	20.46	8.72	29.13	8.00	4.70										
36		-2.80	2.70	12.01	-30.39	-19.10	18.63	3.88	23.19	7.99	5.00										
37		-2.80	2.30	19.06	-32.62	-23.08	16.64	-1.10	17.25	7.38	4.50										
38		-2.70	3.30	25.15	-32.65	-26.10	15.69	-6.25	9.06	5.99	3.90										
39		-1.80	3.20	28.22	-30.64	-26.70	15.48	-12.80	1.50	4.38	2.60										
40		-0.40	3.20	29.49	-26.40	-25.56	15.08	-8.90	-2.41	0.60	0.70										
41		1.80	30.34	-21.07	-25.55	14.64	13.64	-23.45	6.54	-1.00	-2.00										
42		3.91	30.58	-14.93	-23.78	18.29	10.55	-39.44	-10.42	-3.20	-3.91										
43		7.32	31.02	-9.48	-22.03	10.55	8.70	-32.50	-11.42	-5.30	-5.71										
44		9.36	31.56	-3.30	-20.48	8.70	8.49	-35.29	-12.21	-6.10	-7.71										
45		12.81	31.69	-1.50	-19.27	8.49	8.12	-33.96	-12.58	-8.70	-8.40										
46		15.95	30.81	1.80	-18.63	8.12	9.45	-32.72	-12.05	-7.01	-8.10										
47		16.81	27.80	7.13	-17.95	9.45	11.92	-24.40	-10.46	-8.00	-7.79										
48		16.89	21.65	9.91	-15.11	11.92	12.71	-19.10	-8.76	-7.99	-6.99										
49		16.58	0.20	15.45	10.50	15.45	13.07	-12.98	6.127	-7.129	-5.98										
50		14.64	8.89	10.48	-11.38	-11.38															

RECORD#	DATE AND TIME	COMPONENT#	SIGNAL#	CORRECTION#	FORMAT#	STATION#	TOTAL NUMBER OF DATA#			
58	1972-02-29-18-23	N-S	#GR.ACC.	#ARC.ERR.	#	YAHASHITA	HEN#S			
			0.010(SEC)							
NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)			
	(3900)	(3950)								
1	-3.98	-14.14	9.55	-24.03	-5.40	4.41	-4.29	-18.07	0.80	6.64
2	2.31	-12.64	-6.96	-6.02	-6.02	6.32	-4.90	-19.00	0.80	10.92
3	9.50	-7.89	-3.39	-10.08	-8.72	8.75	4.53	-18.91	-5.10	11.48
4	14.91	0.40	2.30	-4.67	-10.00	11.69	10.50	-17.64	0.70	10.70
5	21.53	9.08	4.31	2.20	-9.99	14.71	18.86	-15.16	-1.30	10.47
6	25.65	19.13	5.70	6.36	-9.64	16.91	23.69	-10.49	-1.60	9.37
7	27.33	22.25	6.09	12.84	-6.77	16.95	27.59	-6.07	-1.60	7.56
8	27.98	25.56	5.80	16.93	-3.48	16.14	28.87	-2.20	-1.60	4.68
9	27.67	27.93	5.00	18.95	3.61	14.93	27.17	-1.80	-1.80	0.80
10	25.60	28.95	4.90	19.44	8.31	11.49	23.47	6.73	-1.20	-5.44
11	19.49	28.00	4.50	18.60	8.85	7.76	20.79	9.46	-1.20	-11.11
12	12.48	26.15	3.90	17.00	11.84	4.99	18.27	12.60	-1.20	-15.26
13	6.05	23.49	3.00	12.25	13.35	3.79	12.52	12.60	-1.20	-18.59
14	0.80	18.44	2.00	7.53	14.59	0.30	7.12	12.58	-1.20	-22.65
15	-6.57	12.40	-1.80	1.60	14.26	-2.00	-0.50	11.85	-1.20	-26.65
16	-13.83	6.35	-5.73	-2.00	13.26	-5.43	-6.15	10.25	-1.20	-28.76
17	-19.59	0.90	-10.17	-4.01	12.10	-7.43	-12.71	7.96	-1.20	-39.75
18	-24.47	-4.65	-13.34	-7.74	10.36	-10.36	-18.96	4.98	0.30	-50.58
19	-27.95	-12.21	-14.44	-10.75	0.80	-13.19	-25.32	0.80	3.10	-59.44
20	-28.98	-15.51	-15.30	-12.73	-4.93	-15.51	-32.28	4.01	4.51	-27.98
21	-27.21	-17.63	-15.27	-13.63	-11.12	-16.51	-37.74	6.23	6.00	-25.94
22	-22.33	-19.45	-14.57	-14.30	-15.74	-16.60	-41.81	9.68	5.99	-23.62
23	-16.18	-19.84	-11.68	-14.27	-16.39	-16.48	-45.25	-13.55	5.30	-17.91
24	-7.41	-17.83	-7.75	-13.55	-14.37	-14.37	-49.60	-17.27	5.30	-16.85
25	-0.20	-14.06	-3.99	-12.41	-20.83	-11.31	-52.98	-19.82	5.40	-0.20
26	2.90	-13.17	-1.50	-12.54	-17.86	-8.32	-53.06	-21.09	5.40	4.11
27	4.90	-12.46	1.20	-10.86	-12.88	-2.99	-49.48	-21.00	5.30	6.42
28	5.50	-11.15	2.90	-9.39	-4.27	4.23	-41.41	-20.70	4.90	8.60
29	5.69	-9.41	4.91	-8.99	2.21	11.40	-31.01	-17.44	4.60	8.70
30	4.89	-4.87	6.32	-8.38	8.91	18.40	-20.89	-13.47	4.49	8.48
31	3.30	0.10	8.54	-6.98	15.77	20.97	-9.68	3.09	3.09	6.98
32	1.90	5.94	11.06	-4.89	20.85	21.60	5.48	3.38	0.00	5.18
33	1.50	10.68	13.33	-2.00	23.48	21.40	18.34	3.74	-2.10	2.49
34	0.50	13.77	16.78	2.80	24.57	19.18	36.42	2.71	-4.61	-2.50
35	-0.10	15.54	18.06	3.70	22.67	14.09	47.92	12.66	-7.22	-4.80
36	-0.20	16.25	17.45	5.00	19.68	9.33	49.34	14.30	-8.72	-5.00
37	-0.10	15.44	16.73	5.90	15.79	5.47	47.83	14.30	-9.71	-5.40
38	-1.00	14.28	15.64	6.30	10.20	0.80	45.16	14.38	-10.12	-6.00
39	-2.10	11.46	14.46	5.99	5.66	-4.42	42.25	14.00	-11.13	-6.29
40	-2.70	6.78	11.30	5.28	0.10	-8.37	38.29	14.00	-12.23	-5.80
41	-1.80	4.39	7.74	2.70	-3.30	-12.93	31.70	14.00	-13.20	-5.30
42	-1.90	2.89	2.99	0.10	-5.31	-16.42	24.23	13.95	-13.17	-5.30
43	-3.10	-0.30	-5.11	-2.30	-6.81	-18.53	16.93	12.65	-12.34	-5.30
44	-4.20	-4.01	-9.63	-4.60	-7.90	-20.21	8.20	11.24	-10.37	-5.00
45	-4.80	-7.03	-16.40	-5.60	-7.98	-20.95	1.50	8.84	-8.97	-4.40
46	-4.30	-9.81	-23.33	-8.89	-6.48	-17.23	-2.81	5.08	-7.07	-3.70
47	-4.71	-10.44	-26.97	-5.00	-4.79	-14.90	-6.14	1.90	-4.19	-4.70
48	-7.04	-12.00	-29.33	-4.40	-2.30	-9.99	-10.71	0.00	-3.20	-2.40
49	-10.57	-11.96	-30.54	-4.00	-0.60	-9.44	-15.02	0.80	3.51	-2.40
50	-13.53	-10.77	-28.64	-4.80	2.80	-6.48	-15.93	0.80	5.92	0.40

RECORD#S-658 COMPONENT#N-S SIGNAL#OR.ACC. CORRECTION#ARC.ERR. STATION#YAMASHITA#HENS#S
 DATE AND TIME#1972-02-29-18-23 SAMPLING INTERVAL# 0.010(SEC) FORMAT NO.#001 TOTAL NUMBER OF DATA# 6000

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	1.80	6.20	9.34	0.60	-0.00	7.17	23.74	5.10	9.42	5.59
2	4.11	6.20	11.51	1.10	-0.80	4.88	1.10	5.90	10.21	4.70
3	7.24	6.50	11.64	1.90	-2.20	1.90	23.80	6.00	10.49	4.40
4	11.14	6.60	9.56	1.90	3.40	-0.50	23.55	5.99	10.18	5.80
5	12.65	6.60	7.77	2.70	5.10	-3.11	21.83	4.09	9.06	3.40
6	14.11	6.56	5.57	2.60	-5.90	-5.83	19.52	2.00	7.08	3.40
7	14.27	2.00	1.80	2.60	-10.08	-10.08	13.87	1.90	5.19	4.00
8	13.50	-0.60	1.50	3.60	-5.99	3.49	8.42	4.31	3.50	4.20
9	13.35	-3.50	4.71	3.00	-3.99	-3.99	3.49	5.80	2.00	5.50
10	11.95	-4.80	-7.13	3.20	-4.39	-4.39	-1.50	6.30	1.00	4.90
11	10.39	-5.00	-10.22	2.60	-1.20	-17.68	-8.17	6.20	0.00	5.90
12	9.90	-5.69	-10.91	1.40	-0.20	-18.82	-12.94	6.20	-0.00	5.50
13	9.60	-4.59	-11.13	0.10	0.60	-19.00	-17.06	6.20	-1.70	5.70
14	9.80	-2.79	-12.10	-0.00	2.30	-18.86	-21.35	6.20	-3.40	5.70
15	9.80	0.40	-12.20	-0.50	3.30	-17.05	-25.95	5.99	-5.01	6.00
16	9.79	2.40	-12.32	-0.20	5.10	-11.08	-29.01	4.99	-7.24	5.40
17	9.49	4.30	-12.82	-0.20	5.64	-6.56	-30.92	3.30	-10.46	4.70
18	8.89	5.20	-13.43	-0.20	6.94	-2.00	-31.03	2.00	-12.89	4.00
19	8.50	5.91	-14.22	-0.20	8.15	2.24	-25.23	0.60	-15.32	3.00
20	8.40	7.84	-14.72	0.00	11.66	7.44	-20.06	0.50	-15.60	3.00
21	8.40	11.27	-15.22	1.80	13.65	10.53	-20.06	0.50	-15.57	0.30
22	8.40	13.97	-15.68	2.90	14.64	11.83	-11.99	0.20	-14.93	1.10
23	8.40	17.83	-15.08	4.80	15.72	12.81	-5.36	0.10	-13.44	3.10
24	8.40	18.10	-10.63	5.51	15.98	13.00	0.80	0.50	-11.86	4.80
25	8.39	16.73	-4.49	6.30	15.85	12.85	0.80	0.50	-10.35	5.80
26	7.38	15.51	-1.30	6.80	14.61	11.37	6.77	0.50	-8.34	6.00
27	6.09	13.67	3.11	5.99	12.58	10.36	18.64	0.50	-6.49	6.00
28	4.99	10.55	10.25	4.99	9.14	8.47	17.07	0.50	-1.10	6.00
29	3.19	8.25	16.86	4.00	4.09	6.36	18.18	0.50	1.50	5.60
30	0.90	5.18	17.88	2.80	-0.00	3.89	19.21	0.50	2.32	4.90
31	-2.10	1.40	18.92	1.90	-2.50	3.80	19.30	0.50	9.26	4.00
32	-4.21	-1.50	19.07	0.30	-5.50	0.80	19.21	0.50	12.78	3.90
33	-5.80	-5.52	18.56	-2.20	-9.02	-5.52	18.04	0.50	15.15	4.71
34	-6.00	-9.36	16.62	-4.91	-10.40	-8.96	17.18	0.50	16.17	5.91
35	-6.00	-12.75	13.62	-6.41	-10.50	-12.59	15.30	0.50	17.31	7.12
36	-5.69	-17.04	11.62	-7.50	-10.50	-15.44	13.32	0.50	17.93	9.00
37	-4.59	-21.03	8.85	-7.19	-10.50	-18.19	11.25	0.50	17.90	9.10
38	-2.30	-24.56	5.99	-6.59	-10.48	-19.45	9.49	0.50	17.02	9.11
39	1.40	-27.21	4.40	-5.39	-8.05	-19.68	8.80	0.50	16.61	9.40
40	2.50	-28.30	3.40	-3.30	-4.19	-18.27	7.59	0.50	15.10	9.39
41	3.20	-28.16	3.30	-3.80	-2.80	-16.46	6.49	0.50	13.01	8.79
42	4.40	-27.42	3.00	-3.30	-0.60	-13.96	5.80	0.50	10.64	7.98
43	5.10	-25.86	2.40	-3.30	7.63	-8.43	5.40	0.50	8.25	6.29
44	5.20	-18.72	1.40	-2.70	9.84	-4.18	5.40	0.50	5.18	5.39
45	5.20	-13.67	-0.10	-2.00	11.52	0.00	4.70	0.50	2.30	3.70
46	5.20	-10.83	-0.10	-1.50	12.20	5.53	4.00	0.50	0.40	2.50
47	5.20	-7.94	-0.10	-0.50	12.20	9.61	2.90	1.90	-0.40	1.90
48	5.20	-3.38	-0.10	0.80	12.08	15.35	1.00	3.30	-4.90	1.50
49	5.20	3.31	-0.10	1.50	11.26	20.32	-0.70	5.01	-5.60	1.00
50	6.00	7.72	0.40	2.00	9.75	22.72	-2.40	6.51	-5.80	0.80
							4.00	8.02	-5.80	1.30

NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	2.40	-11.20	-2.00	-5.49	3.90	3.50	14.64	6.51	-0.60	-3.60
2	3.70	-11.10	-1.00	-4.39	4.40	3.50	15.40	7.40	-0.60	-2.40
3	4.80	-11.09	0.00	-2.70	4.30	3.50	15.40	7.39	-0.60	-1.10
4	5.30	-10.90	1.90	-1.50	5.00	3.60	15.31	6.38	-0.80	2.30
5	5.30	-10.80	4.41	0.40	5.30	4.10	13.48	4.39	-0.20	4.90
6	5.10	-10.80	6.21	1.20	5.29	4.10	10.48	2.00	-0.60	5.00
7	4.50	-11.01	7.90	4.40	4.40	4.40	-5.48	1.90	-0.20	5.11
8	3.60	-11.20	8.21	5.11	3.89	4.70	2.79	0.00	-0.40	6.00
9	2.30	-11.10	8.81	7.53	1.80	4.89	0.70	0.60	-5.10	6.50
10	1.80	-10.97	9.82	9.72	0.70	3.90	-3.21	0.60	-0.80	6.50
11	0.60	-9.98	10.32	10.62	-0.30	2.90	-6.12	0.60	-6.40	6.39
12	0.50	-9.08	11.01	11.61	-1.30	1.30	-8.71	1.00	-6.50	5.19
13	0.50	-8.00	11.50	11.90	-2.90	0.20	-9.29	3.00	-6.50	2.80
14	0.50	-7.80	11.60	11.90	-5.41	-1.00	-8.97	4.30	-6.50	0.40
15	0.50	-7.68	11.70	11.90	-6.50	-2.50	-7.37	5.31	-6.50	-0.80
16	1.10	-6.49	11.60	11.90	-6.59	-3.00	-5.19	6.31	-6.50	-1.60
17	1.70	-5.79	11.57	11.88	-5.59	-3.00	-3.10	6.90	-6.19	-2.80
18	2.20	-4.90	10.57	11.26	-4.39	-2.80	-0.80	6.90	-5.29	-2.90
19	2.80	-4.20	9.37	9.67	-3.00	-1.70	0.80	6.69	-4.19	-2.90
20	3.30	-4.00	7.98	8.36	-1.80	0.20	3.00	5.19	-2.40	-3.20
21	3.40	-4.00	6.57	5.89	0.00	1.90	3.20	3.69	-0.20	-3.60
22	3.40	-3.00	3.59	3.40	0.50	3.90	3.10	1.70	0.80	-3.60
23	3.39	-2.00	0.90	2.50	1.90	4.80	3.10	0.60	3.31	-3.70
24	1.20	-0.70	0.20	0.60	3.30	5.20	1.90	3.21	4.00	-4.00
25	-0.90	1.10	-2.40	-0.90	4.80	5.30	1.30	3.12	10.33	-4.00
26	-3.30	3.40	-3.00	-3.10	5.20	5.30	-0.00	9.24	11.50	-4.00
27	-3.40	4.30	-3.30	-5.11	5.30	4.99	-1.10	-11.23	11.50	-4.10
28	-4.60	5.51	-3.20	-6.31	5.30	3.79	-1.80	-12.43	11.50	-3.80
29	-5.60	6.81	-3.20	-8.02	5.30	1.40	-2.50	-13.20	11.49	-2.40
30	-5.60	7.71	-3.20	-9.52	5.31	0.70	-3.10	-13.20	11.30	-1.70
31	-5.40	8.61	-2.90	-10.40	6.30	-2.40	-3.40	-13.20	11.20	-1.60
32	-5.00	9.31	-2.80	-10.40	6.50	-4.91	-5.81	-13.10	11.20	-1.00
33	-4.30	10.12	-3.00	-10.41	7.00	-7.42	-7.02	-13.03	11.20	0.00
34	-4.00	10.90	-3.90	-10.91	7.11	-9.54	-7.02	-11.17	11.10	1.30
35	-3.30	10.97	-5.30	-11.10	7.70	-11.41	-8.82	-10.06	11.19	2.70
36	-3.30	9.77	-5.70	-11.20	7.90	-11.70	-9.84	-10.87	10.80	4.21
37	-3.00	8.38	-6.20	-11.20	7.90	-11.56	-11.52	-9.67	9.67	6.03
38	-2.20	6.98	-6.81	-11.20	7.91	-10.26	-12.21	-8.28	8.28	10.19
39	-1.60	5.29	-7.82	-11.18	8.41	-8.47	-12.60	-5.19	6.58	14.21
40	-0.60	3.80	-9.73	-10.28	9.01	-6.28	-12.59	-4.20	4.39	14.41
41	0.10	2.20	-11.32	-9.38	9.40	-4.49	-12.16	0.00	2.70	14.50
42	0.30	0.60	-12.21	-8.18	9.60	-2.30	-10.96	1.80	1.30	14.00
43	-0.50	-0.00	-12.60	-7.08	9.57	0.90	-9.25	0.00	0.00	14.58
44	-1.50	-1.00	-12.60	-5.59	7.89	3.30	-6.78	1.80	-1.70	14.66
45	-3.21	-2.20	-12.60	-4.09	7.10	4.71	-4.99	1.20	-2.10	13.14
46	-5.72	-2.80	-12.60	-2.40	6.99	6.81	-3.00	0.20	-2.10	11.56
47	-8.53	-3.90	-12.55	-0.70	6.33	8.33	-0.80	0.80	-3.30	10.07
48	-10.42	-4.20	-10.95	1.10	5.00	10.64	1.40	0.60	-4.20	8.56
49	-11.10	-4.00	-8.97	3.30	4.30	12.14	4.01	0.60	-4.70	6.08
50	-11.20	-3.10	-7.18	3.80	3.80	13.54	5.61	0.60	-4.69	3.99

RECORD#S-658
 DATE AND TIME=1972-02-29-18-23
 COMPONENT=N-S
 SIGNAL#GR.ACC.
 SAMPLING INTERVAL# 0.010(SEC)
 CORRECTION=ARC.ERR.
 FORMAT NO.#301
 STATION=YAMASHITA-HEN#S
 TOTAL NUMBER OF DATA# 6000

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	2.10	-0.80	2.90	-0.50	5.00	4.69	-10.21	4.40	5.29	-5.60
2	0.60	-0.20	3.00	-1.30	4.30	2.20	-10.81	4.90	3.69	-5.70
3	-0.70	0.90	2.90	-2.10	3.40	-0.40	-1.30	4.90	0.50	-5.68
4	-1.20	1.90	3.00	-3.10	1.90	-1.40	-11.16	5.00	-0.50	-2.60
5	-0.80	2.90	2.90	-4.00	0.90	-2.10	-6.09	4.90	-0.90	-2.20
6	0.00	3.20	2.90	-5.31	0.10	-2.80	-4.79	4.90	-0.90	-2.20
7	0.50	3.50	2.90	-6.30	-0.20	-3.50	-3.40	4.90	-1.60	-2.20
8	0.50	3.30	2.90	-6.60	-0.90	-3.50	-2.60	4.91	-2.40	-2.20
9	0.40	3.30	2.90	-6.80	-0.90	-3.50	-2.60	6.11	-2.90	-2.20
10	0.50	3.20	2.90	-6.60	-0.90	-3.50	-4.40	7.00	-2.80	-2.20
11	0.40	3.30	2.90	-6.09	-0.90	-3.50	-3.50	7.31	-2.90	-2.00
12	0.50	3.20	2.90	-5.40	-0.90	-3.50	-4.40	8.21	-2.00	0.50
13	-0.00	3.20	2.90	-4.80	3.00	-2.20	-2.70	9.10	-0.20	1.90
14	-0.90	3.50	2.90	-4.30	5.51	0.40	-1.80	9.21	2.80	2.50
15	-1.40	2.80	2.30	-4.20	7.51	2.20	-1.20	9.71	4.31	2.40
16	-1.00	2.30	1.10	-4.20	8.00	3.70	-0.40	10.10	6.10	3.90
17	0.10	2.20	0.20	-4.20	8.10	5.90	0.10	10.30	6.70	4.90
18	1.20	2.30	-0.10	-4.20	8.30	3.90	1.00	10.40	7.00	5.10
19	1.50	2.90	-0.70	-4.50	8.08	3.90	2.40	10.37	7.00	5.10
20	1.50	3.40	-0.90	-4.50	6.98	3.90	2.60	10.99	7.40	5.10
21	1.50	3.90	-1.00	-4.30	5.99	3.90	3.00	11.40	7.50	5.10
22	1.50	6.40	-0.60	-4.30	4.00	6.11	3.30	11.40	7.40	5.10
23	1.50	6.40	-0.10	-4.00	2.60	7.00	3.30	10.10	7.34	5.10
24	1.50	7.61	0.20	-3.30	1.40	6.90	3.00	10.40	7.00	5.10
25	1.50	7.61	0.40	-2.70	1.20	6.90	1.90	10.40	6.60	5.10
26	1.60	8.50	0.40	-1.60	0.60	7.00	-0.30	10.40	6.60	5.10
27	2.00	8.80	-0.00	-0.70	0.60	6.78	-1.20	10.40	6.60	4.98
28	1.90	8.80	-0.60	0.60	0.30	5.09	-2.30	10.40	6.00	4.98
29	0.70	9.00	-1.10	2.40	-0.20	3.50	-3.60	10.40	6.20	4.98
30	0.60	8.99	-1.40	3.00	0.10	2.30	-4.60	10.40	6.20	4.98
31	-0.00	8.19	-1.90	3.00	-1.10	1.80	-5.61	10.40	6.20	4.98
32	-1.20	7.20	-2.20	3.80	-2.00	1.80	-7.61	10.40	6.20	4.98
33	-1.20	7.20	-2.20	3.90	-2.00	0.20	-8.50	10.40	6.20	4.98
34	-3.00	6.98	-3.00	3.90	-3.10	-1.20	-8.50	10.40	6.20	4.98
35	-4.70	5.50	-3.20	3.50	-3.70	-2.20	-8.60	10.40	6.20	4.98
36	-5.31	4.89	-3.20	3.50	-3.70	-4.00	-8.70	10.40	6.20	4.98
37	-7.14	3.80	-3.10	3.50	-3.80	-4.00	-8.70	10.40	6.20	4.98
38	-10.96	2.80	-3.20	3.40	-3.40	-5.90	-8.48	10.40	6.20	4.98
39	-13.26	2.50	-3.20	3.50	-3.40	-7.09	-7.09	10.40	6.20	4.98
40	-14.94	1.50	-3.20	3.40	-0.50	-5.30	-5.99	10.40	6.20	4.98
41	-15.75	0.50	-3.10	3.90	1.30	-5.70	-5.10	10.40	6.20	4.98
42	-16.61	-0.00	-2.40	4.20	3.10	-5.80	-4.30	10.40	6.20	4.98
43	-16.65	-0.50	-1.50	4.50	5.01	-6.00	-3.70	10.40	6.20	4.98
44	-15.73	-0.60	-1.20	4.80	6.81	-6.00	-3.00	10.40	6.20	4.98
45	-14.26	0.10	-1.20	4.90	7.92	-6.30	-2.90	10.40	6.20	4.98
46	-11.02	0.70	-0.80	5.40	9.42	-6.31	-2.60	10.40	6.20	4.98
47	-8.17	1.50	-0.50	5.90	10.40	-7.40	-2.00	10.40	6.20	4.98
48	-6.18	2.40	-0.10	6.30	10.48	-7.40	-1.70	10.40	6.20	4.98
49	-4.09	2.90	-0.60	6.30	9.67	-7.81	-1.40	10.40	6.20	4.98
50	-1.50	2.90	-0.50	5.99	6.48	-9.42	-1.10	10.40	6.20	4.98

RECORD#S-658 COMPONENT#N-S SIGNAL#RR,ACC. CORRECTION#ARC,ERR. STATION#YAMASHITA#MEN#S
 DATE AND TIME#1977-02-29-18-23 SAMPLING INTERVAL# 0.010(SEC) FORMAT NO.#301 TOTAL NUMBER OF DATA# 6000

NO.	(5500)	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)	(5900)	(5950)
1	5.20	0.50	1.90	4.00	2.00	-2.00	-8.70	-2.80	-1.80	5.00
2	5.17	0.50	1.90	4.50	2.00	-2.80	-8.60	-2.80	-1.90	4.50
3	0.60	1.10	1.90	4.90	2.00	-4.00	-8.30	-3.30	-1.80	4.50
4	2.20	1.30	1.20	5.20	2.10	-4.91	-8.38	-4.60	-1.80	3.70
5	-0.60	2.10	1.00	5.19	2.20	-7.00	-7.00	-4.70	-1.80	3.10
6	-2.20	2.40	0.60	4.30	0.90	-6.81	-6.60	-4.70	-1.80	3.10
7	-2.80	2.80	0.30	3.10	-0.20	-7.80	-6.59	-4.10	-1.80	2.00
8	-4.20	3.00	0.10	1.90	-0.80	-7.90	-6.59	-3.40	-1.80	1.20
9	-5.40	3.00	0.20	-0.40	-1.30	-7.89	-4.59	-2.30	-2.60	1.10
10	-5.41	1.80	-1.20	-1.70	-2.10	-7.39	-2.80	-2.20	0.50	0.50
11	-7.21	0.10	-1.80	-3.10	-2.60	-6.60	-1.70	-1.60	-4.20	0.40
12	-8.02	-2.20	-1.80	-5.41	-2.90	-6.09	-0.50	-1.20	-4.20	-1.90
13	-9.41	-2.20	-1.90	-6.91	-3.40	-4.99	0.80	-0.60	-2.20	-2.70
14	-9.71	-3.30	-1.80	-7.41	-3.50	-3.99	1.10	0.40	-4.20	-2.90
15	-10.00	-4.40	-1.60	-8.01	-3.50	-2.50	2.10	1.30	-4.20	-3.00
16	-10.20	-5.01	-1.50	-8.70	-3.00	-1.10	3.40	2.20	-4.20	-3.00
17	-10.20	-6.00	-1.30	-8.89	-2.40	0.80	5.01	2.70	-4.20	-3.00
18	-10.20	-6.59	-1.20	-8.48	-1.60	1.80	7.32	2.80	-4.20	-2.90
19	-10.10	-4.80	-0.90	-6.99	0.00	3.80	9.11	2.80	-4.20	-2.90
20	-5.70	-4.30	-1.00	-6.20	0.80	5.21	9.62	2.80	-4.20	-3.00
21	-5.00	-4.00	-1.00	-5.60	0.80	6.41	10.73	2.80	-4.30	-2.60
22	-4.40	-3.40	-0.80	-5.20	0.80	7.00	12.01	2.50	-4.40	-2.20
23	-3.70	-2.80	-0.70	-4.99	1.20	7.11	12.19	2.30	-4.40	-1.60
24	-2.80	-2.80	-0.20	-3.20	0.80	8.00	11.88	2.30	-4.90	-1.20
25	-1.60	-2.90	0.30	-1.60	0.30	8.08	11.38	2.10	-5.01	-1.20
26	-0.90	-2.80	0.80	-0.70	-0.20	6.89	10.49	1.50	-6.00	-0.80
27	-0.40	-2.80	0.40	-0.40	-0.40	6.00	10.18	0.20	-6.00	0.00
28	-0.10	-2.90	-0.20	0.30	-0.70	5.40	9.29	0.10	-6.39	0.50
29	-0.60	-2.90	-0.00	0.30	-0.80	4.70	8.79	0.30	-5.60	0.60
30	-2.00	-3.00	-1.10	0.30	-0.80	3.70	8.29	0.80	-5.00	1.10
31	-5.31	-4.20	-1.00	0.50	0.40	2.40	7.49	1.20	-4.60	1.50
32	-6.52	-4.70	-0.20	0.50	1.00	1.20	6.89	1.60	-4.40	1.50
33	-8.42	-4.60	0.50	1.50	2.00	0.10	6.30	1.70	-4.00	2.00
34	-9.82	-5.00	1.20	1.50	3.50	-1.10	6.40	1.70	-3.00	2.10
35	-11.00	-5.60	1.90	1.50	4.70	-2.20	6.30	1.70	-2.40	2.10
36	-11.01	-6.00	2.20	2.20	5.70	-3.30	6.30	1.40	-2.00	1.90
37	-11.41	-6.09	2.80	2.80	6.41	-4.20	6.30	1.10	-1.60	1.20
38	-11.81	-5.40	2.90	3.20	7.41	-4.70	6.29	0.40	-0.70	0.40
39	-12.15	-4.79	2.90	3.20	8.12	-5.00	5.60	0.20	0.20	-0.00
40	-10.58	-3.50	2.20	3.90	9.31	-5.30	4.90	0.90	0.20	-0.30
41	-9.53	-2.60	1.20	4.70	9.81	-5.90	4.40	0.30	0.20	-1.10
42	-9.78	-2.10	0.10	4.40	10.50	-6.00	4.00	0.20	1.10	-2.60
43	-2.70	-1.20	-0.60	3.70	10.68	-6.00	2.90	0.20	2.50	-3.20
44	-1.90	-0.40	-1.20	3.60	9.78	-6.21	2.30	0.20	2.60	-2.40
45	-1.20	0.40	-1.80	3.70	8.56	-7.00	1.80	1.40	3.10	-1.60
46	-1.20	1.10	-1.80	3.70	7.17	-7.00	1.20	2.00	3.60	-0.70
47	-1.20	1.80	-1.20	3.30	4.89	-7.41	0.40	2.10	4.10	0.10
48	-1.30	1.90	0.00	2.70	3.39	-8.01	-0.80	2.10	4.50	1.00
49	-0.30	1.90	1.40	2.00	1.30	-8.50	-2.20	2.00	4.90	1.10
50	0.20	1.90	2.80	2.00	-0.10	-8.70	-2.30	1.80	5.00	1.80

STATION=YAMASHITA=HEN=5
TOTAL NUMBER OF DATA= 6000

CORRECTION=ARC,ERR.
FORMAT NO.#301

COMPONENT=N-S
SIGNAL=GR,ACC.
SAMPLING INTERVAL= 0.010(SEC)

RECORD=S-65B
DATE AND TIME=1972-02-29-18-23

RECORDS=658
 DATE AND TIME=1972-02-29-18-23
 COMPONENT=E-N
 SIGNAL=GR.ACC.
 CORRECTION=ARC.ERR.
 FORMAT NO.=301
 STATION=YAMASHITA-HEN=5
 TOTAL NUMBER OF DATA= 6000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-1.30	-0.40	-1.80	-2.70	-1.50	0.10	0.50	1.50	-5.20	-0.60
2	-1.00	-0.90	-1.80	-3.30	-1.50	1.20	0.90	1.50	-4.80	-0.60
3	-1.20	-1.50	-1.80	-4.10	-1.50	1.20	0.90	1.20	-4.00	-0.60
4	-1.50	-1.90	-1.80	-4.10	-1.20	0.40	0.30	1.20	-3.40	-0.60
5	-1.50	-2.40	-1.50	-3.60	-0.80	-0.50	-0.20	0.90	-2.40	-1.50
6	-1.10	-2.60	-1.20	-3.10	-0.80	1.10	-0.50	0.10	-1.20	-3.10
7	-0.30	-2.60	-0.60	-2.60	-1.20	1.60	-0.50	0.20	0.00	-4.00
8	-0.20	-2.60	-0.20	-2.00	-1.80	-1.00	-0.80	0.20	1.10	-4.00
9	-0.40	-2.20	0.20	-2.70	-2.70	-0.80	-1.20	0.60	1.20	-4.30
10	-1.10	-1.80	0.20	-2.00	-3.80	-0.40	-1.40	0.80	2.20	-4.60
11	-1.20	-1.80	0.20	-2.30	-4.60	-0.80	-1.80	0.00	3.20	-4.60
12	-1.80	-1.80	-0.20	-2.00	-5.30	-1.30	-1.90	0.60	3.70	-4.60
13	-2.20	-1.80	-0.20	-1.50	-5.30	-1.80	-1.60	0.60	3.70	-4.60
14	-2.80	-1.50	-0.80	-0.80	-4.60	-2.20	-1.20	1.10	3.00	-3.30
15	-3.00	-1.30	-1.20	0.20	-4.00	-2.20	-0.80	1.20	0.10	-2.90
16	-3.20	-1.30	-1.60	0.80	-3.00	-2.20	-0.60	2.20	-1.40	-2.90
17	-3.70	-1.20	-2.10	0.80	-1.60	-3.60	-0.40	2.20	-0.20	-1.40
18	-4.00	-1.10	-2.20	0.10	-1.10	-3.60	-0.40	2.80	-0.20	-0.50
19	-4.00	-0.80	-2.20	-0.20	-1.20	-3.70	-0.30	3.20	-0.20	-0.10
20	-3.80	-0.80	-1.90	-0.70	-1.20	-3.70	-0.30	3.20	-0.20	-0.10
21	-2.90	-0.80	-1.80	-0.70	-0.80	-3.60	0.20	5.00	-0.90	-0.20
22	-2.20	-1.50	-1.80	-1.10	-0.40	-3.10	0.50	5.60	-1.70	-0.90
23	-1.80	-1.50	-1.60	-1.60	-0.30	-2.20	0.60	6.20	-3.20	1.20
24	-0.80	-1.90	-2.20	-2.50	-0.20	-1.80	0.20	6.20	-4.00	1.30
25	-0.60	-2.60	-2.80	-2.80	0.30	-1.40	-0.40	6.10	-4.20	1.20
26	-0.60	-3.30	-3.30	-2.80	0.60	-1.20	-0.80	5.69	-4.60	0.50
27	-0.40	-3.20	-3.70	-2.20	0.90	-1.10	-1.50	4.90	-4.00	0.20
28	-0.40	-2.80	-3.20	-1.70	1.20	-0.80	-2.90	4.20	-3.00	0.40
29	-0.60	-1.80	-2.60	-1.30	1.40	-0.70	-3.50	3.10	-2.00	-1.40
30	-0.60	-1.20	-2.10	-1.10	0.80	-0.10	-3.60	1.70	-2.40	-1.70
31	-0.10	0.20	-1.60	-1.10	0.20	0.10	-2.70	0.60	-0.80	-2.90
32	-0.10	0.70	-1.20	-1.40	0.20	0.10	-2.20	0.10	-0.60	-3.00
33	-0.10	1.00	-1.20	-1.50	0.00	-0.50	-2.20	0.20	-0.50	-3.30
34	0.00	0.80	-1.10	-1.10	-0.00	-1.10	-1.30	0.80	-0.60	-2.90
35	-0.00	1.30	-0.20	-0.60	-0.40	-1.80	-0.40	1.30	-0.80	-2.60
36	-0.20	1.90	0.10	-0.70	-1.20	-2.50	-0.80	1.30	-0.80	-2.30
37	-0.40	2.20	0.50	-1.10	-1.50	-2.90	-0.80	1.20	-0.80	-2.00
38	-0.50	2.20	0.80	-1.40	-1.80	-3.60	-1.10	1.20	-0.90	-1.20
39	-0.50	1.90	1.40	-2.00	-2.20	-3.80	-1.10	0.80	-1.40	-0.50
40	-0.40	1.40	1.90	-2.90	-2.60	-3.70	-1.40	0.10	-0.60	-0.50
41	-0.10	0.80	2.50	-3.60	-2.10	-3.20	-1.20	0.10	-0.60	-0.50
42	-0.20	-0.10	2.60	-4.00	-1.90	-2.80	-1.60	0.20	0.20	-0.50
43	-0.10	-0.80	2.50	-3.60	-1.80	-2.60	-1.60	1.10	0.20	-0.20
44	0.20	-1.90	1.90	-3.00	-1.80	-2.50	-2.80	0.60	0.60	-0.10
45	0.30	-2.20	1.20	-2.80	-1.80	-2.50	-3.20	0.60	0.60	-0.10
46	0.40	-2.20	0.80	-2.80	-1.80	-2.50	-3.30	0.60	0.60	-0.10
47	0.60	-2.60	0.20	-2.80	-1.60	-2.60	-3.80	0.20	0.20	-0.20
48	0.40	-2.60	-0.30	-2.80	-1.90	-1.80	-3.50	0.20	0.20	-0.20
49	0.20	-2.40	-0.90	-2.50	-1.20	-1.00	-3.50	0.60	-0.60	-0.30
50	-0.00	-2.10	-1.80	-1.80	-0.80	-0.20	-1.50	0.60	-0.60	-0.10

RECORD#S-658 COMPONENT#E-W SIGNAL#GR.ACC. CORRECTION#ARC.ERR. STATION#YAMASHITA-MEN#S
 DATE AND TIME#1972-02-29-18-23 SAMPLING INTERVAL# 0.010(SEC) FORMAT NO.#301 TOTAL NUMBER OF DATA# 6000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	0.10	-0.10	0.80	-1.80	2.00	-1.80	-0.90	0.30	-0.80	-1.80
2	0.10	-0.10	0.10	-2.50	1.20	-1.40	-1.20	0.10	-0.20	-2.90
3	0.10	-0.20	0.50	-2.90	0.40	-0.40	-1.60	0.20	0.10	-3.20
4	0.50	-0.80	1.00	-3.20	-0.20	1.00	-1.70	0.50	0.20	-3.40
5	0.50	-0.80	1.00	-3.20	-0.90	3.90	-1.50	2.80	0.80	-3.40
6	-1.10	-0.90	0.40	-3.20	-1.00	5.20	-1.20	3.80	0.80	-3.40
7	-2.00	-1.00	-0.20	-3.20	-1.60	5.60	-0.50	4.60	0.80	-2.50
8	-1.80	-0.50	-0.90	-3.70	-2.20	5.60	-0.20	5.30	0.90	-1.80
9	-1.50	0.30	-1.40	-3.70	-2.20	4.99	-0.10	5.30	0.10	-1.20
10	-1.20	0.50	-1.80	-3.20	-2.60	3.89	-0.20	5.30	-1.30	-0.60
11	-0.80	0.70	-1.90	-2.70	-2.80	1.90	-0.20	5.30	-1.40	0.20
12	-1.20	1.20	-1.20	-2.00	-1.90	0.20	-0.40	5.29	-2.50	0.80
13	-1.50	1.20	-1.40	-1.00	-1.00	-0.40	-0.80	4.20	-3.80	1.20
14	-2.00	0.60	-0.80	-1.20	-0.20	-0.60	-0.80	3.30	-4.90	1.60
15	-2.20	0.20	0.60	-0.80	-0.10	-1.40	-0.80	2.20	-4.90	2.20
16	-2.20	-0.40	-0.20	-0.50	0.50	-2.30	-1.20	1.10	-4.90	2.20
17	-1.60	-1.10	1.20	-0.50	1.20	-3.00	-1.90	0.20	-4.90	1.80
18	-1.20	-1.90	0.50	-0.60	1.30	-3.60	-2.40	1.20	-4.90	1.70
19	-1.00	-3.00	0.80	-1.10	1.50	-4.10	-2.80	2.30	-4.90	1.70
20	-1.10	-3.80	0.80	-1.40	1.50	-4.30	-3.40	3.10	-4.99	1.70
21	-1.70	-4.20	0.80	-1.50	1.40	-4.20	-3.30	3.60	-3.70	1.70
22	-2.20	-4.90	0.80	-0.60	0.80	-4.20	-2.70	3.90	-2.50	1.70
23	-2.00	-5.00	0.80	0.20	-0.20	-3.70	-1.60	3.89	-1.40	0.80
24	-1.80	-5.30	0.50	2.90	-1.80	-1.80	-0.80	2.30	-0.20	-0.20
25	-1.10	-5.30	0.30	3.60	-2.60	-1.20	-0.40	1.90	0.90	-1.80
26	-0.60	-5.19	-0.10	4.80	-3.00	0.00	-0.20	1.30	1.90	-1.80
27	-0.20	-3.90	0.40	4.90	-3.20	0.80	-0.20	1.30	1.90	-2.00
28	-0.10	-2.60	0.60	4.90	-3.00	0.80	-0.50	1.30	1.90	-2.00
29	0.10	-2.20	1.00	4.90	-3.20	0.80	-0.50	1.30	1.90	-2.00
30	0.20	-2.20	1.30	4.90	-3.00	0.80	-0.60	1.30	1.90	-2.00
31	0.50	-1.70	1.70	4.00	-1.50	0.80	-0.60	1.30	1.90	-2.00
32	0.50	-1.20	1.80	2.90	-0.80	0.90	-0.50	1.10	0.80	-3.20
33	0.50	-0.60	2.20	2.00	-0.20	1.80	-0.50	1.10	0.80	-3.20
34	0.10	-0.10	2.20	2.00	0.20	2.70	-0.30	2.20	0.80	-3.20
35	-1.10	1.00	1.80	-0.20	1.70	2.70	-0.30	2.20	0.80	-3.20
36	-1.80	1.80	1.20	-0.50	2.50	2.70	-0.30	2.80	0.80	-2.40
37	-2.90	1.90	-1.20	-2.50	3.10	2.70	-0.40	2.90	-2.60	-2.20
38	-3.30	2.00	-0.70	-3.80	3.50	1.50	-0.40	2.90	-2.60	-2.20
39	-3.50	2.00	0.40	-3.20	1.90	0.60	-0.40	3.00	-2.80	-1.60
40	-3.00	0.90	0.20	-4.00	1.90	0.60	-0.40	2.50	-2.80	-1.60
41	-2.50	-0.00	0.90	-4.20	0.50	0.80	-0.30	2.10	-2.80	-1.60
42	-2.10	-0.70	0.90	-4.60	-0.50	0.80	-0.30	2.10	-2.80	-1.60
43	-1.80	-1.20	0.90	-4.00	-1.20	0.60	-0.20	2.10	-2.80	-1.60
44	-1.80	-1.30	1.20	-1.80	-1.80	0.10	0.10	2.10	-2.80	-1.60
45	-1.80	-1.30	1.50	-1.90	-2.20	0.50	0.20	2.10	-2.80	-1.60
46	-1.60	-0.80	1.50	0.50	-2.20	0.80	0.60	2.10	-2.80	-1.60
47	-1.20	-0.60	1.50	2.20	-2.20	0.70	0.80	2.10	-2.80	-1.60
48	-0.90	-0.60	0.90	2.90	-2.20	0.80	0.90	2.10	-2.80	-1.60
49	-0.80	-0.90	0.00	2.90	-2.90	0.60	0.80	2.10	-2.80	-1.60
50	-0.10	-1.10	0.80	2.90	-2.90	0.60	0.80	2.10	-2.80	-1.60

RECORDS=658
 DATE AND TIME=1972-02-29-18-23
 COMPONENT=E-W
 SIGNAL=GR,ACC.
 SAMPLING INTERVAL=0.010(SEC)
 CORRECTION=ARC,ERR.
 FORMAT NO.=301
 STATION=YAMASHITA-MEN=5
 TOTAL NUMBER OF DATA= 6000

NO.	(1550)	(1550)	(1600)	(1600)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	2.40	1.70	-0.20	1.00	2.90	-2.10	-6.00	3.00	-4.10	-3.80
2	1.90	2.20	-0.20	2.10	2.90	-3.10	-6.00	3.50	-4.90	-4.00
3	-0.30	2.30	-0.10	3.20	2.90	-4.00	-6.00	3.90	-5.20	-4.30
4	-1.80	2.30	-0.20	3.90	2.90	-4.30	-5.99	4.40	-5.19	-4.60
5	-3.60	2.30	-0.20	4.70	2.90	-4.90	-4.29	4.90	-4.90	-4.90
6	-5.31	1.90	-0.20	5.20	1.80	-4.90	-2.90	4.90	-3.69	-5.00
7	-6.61	1.20	-0.10	5.20	0.90	-4.90	-1.60	4.89	-1.20	-4.20
8	-7.50	0.60	0.20	5.19	0.20	-4.89	-0.70	3.99	0.20	-3.80
9	-7.40	-0.00	1.20	4.90	-0.00	-3.80	0.70	1.90	1.50	-3.80
10	-7.48	-0.40	2.10	3.10	-0.50	-2.40	1.90	0.10	3.50	-3.90
11	-5.99	-1.10	2.60	2.00	-0.80	-1.00	2.90	-0.80	3.50	-3.90
12	-4.99	-1.60	3.20	-1.80	-1.40	0.30	3.10	-1.40	3.50	-2.90
13	-3.40	-2.20	3.20	-2.00	-2.00	1.40	3.20	-2.50	3.60	-2.60
14	-2.20	-2.80	3.80	-3.60	-2.40	1.60	3.50	-2.90	3.60	-2.10
15	-0.20	-3.60	4.50	-3.90	-3.20	2.10	3.90	-3.20	3.60	-1.40
16	3.10	-3.60	4.40	-4.00	-4.00	2.90	3.40	-3.20	3.60	-1.40
17	3.10	-2.90	3.60	-4.20	-4.00	3.10	3.50	-3.60	3.59	-0.10
18	3.10	-2.00	1.80	-4.60	-4.50	3.10	2.30	-4.00	1.20	0.40
19	3.90	-0.90	0.50	-4.70	-4.60	3.20	0.70	-4.60	-1.20	1.50
20	3.90	0.00	-0.80	-4.00	-3.69	3.30	-0.00	-4.90	-1.80	2.00
21	3.90	1.10	-2.50	-3.00	0.00	2.90	-0.10	-4.90	-2.60	2.20
22	3.00	2.20	-4.20	-2.40	0.90	1.70	-0.80	-4.80	-3.00	2.20
23	2.20	3.10	-5.20	-1.70	2.10	0.30	-1.10	-5.00	-2.80	2.20
24	1.80	3.80	-5.71	-1.20	2.20	-0.70	-1.50	-5.00	-2.50	1.20
25	0.80	3.80	-6.50	-0.50	2.80	-2.10	-1.80	-5.00	-2.20	0.90
26	0.40	3.80	-6.30	-0.10	2.80	-2.90	-1.40	-5.00	-1.80	0.50
27	-0.10	3.30	-6.49	0.50	2.80	-3.70	-0.20	-4.80	-1.50	0.40
28	-1.10	3.30	-5.39	0.60	1.30	-4.60	0.80	-4.29	-1.20	0.00
29	-1.70	2.90	-4.09	0.60	0.30	-5.40	1.70	-2.70	-1.00	0.20
30	-2.10	2.10	-2.70	0.60	-1.50	-6.00	2.30	-1.40	-0.70	0.20
31	-2.20	0.90	-1.60	0.60	-2.00	-6.59	2.80	-0.60	-0.20	0.20
32	-2.20	-0.00	-1.10	0.20	-3.10	-5.79	2.80	-0.60	-0.20	0.20
33	-2.00	-0.70	-0.80	-0.40	-3.30	-4.99	2.60	1.00	1.10	0.40
34	-1.50	-1.70	-0.90	-0.50	-3.30	-3.40	2.30	1.40	1.70	0.60
35	-1.20	-2.80	-0.80	-1.00	-3.30	-2.00	1.20	1.90	2.20	0.60
36	-1.20	-3.50	-0.80	-1.80	-3.50	-0.80	-0.10	2.40	2.30	0.60
37	-1.20	-3.90	-0.80	-3.10	-4.00	0.40	-1.30	2.40	2.90	0.60
38	-0.70	-4.30	-0.10	-4.00	-3.50	1.90	-2.30	3.30	2.40	0.40
39	-0.60	-4.30	0.20	-4.50	-1.70	3.00	-3.90	4.50	2.20	-0.10
40	-0.60	-3.70	0.20	-4.80	-0.20	3.20	-5.30	4.50	1.80	-1.20
41	-0.70	-3.70	-0.60	-5.10	1.80	3.20	-6.10	4.70	1.30	-1.60
42	-0.60	-3.70	-1.90	-5.00	3.30	3.70	-6.10	4.90	1.40	-1.90
43	-0.70	-2.80	-3.10	-4.50	4.50	3.90	-6.10	4.50	0.90	-2.00
44	-0.60	-2.20	-4.00	-3.50	5.20	3.90	-6.09	3.69	-0.10	-2.00
45	-0.60	-1.80	-4.60	-2.40	5.29	2.80	-4.40	1.50	-0.40	-1.50
46	-0.60	-1.50	-4.80	-1.10	3.79	1.40	-3.40	-0.00	-0.80	-1.50
47	-0.50	-1.30	-4.69	0.00	2.00	-0.70	-1.50	-0.80	-1.00	-0.90
48	-0.50	-0.80	-3.00	1.40	1.70	-2.70	-0.80	-1.50	-1.30	-0.20
49	-0.50	-0.40	-1.70	2.30	-0.00	-4.11	0.80	-1.80	-1.80	0.20
50	0.10	-0.20	-0.40	2.150	-1.40	-5.80	2.20	-3.120	-2.80	0.10

NO.	CORRECTION=ARC.ERR. FORMAT NO. 5301										STATION=YAMASHITA-HEN-S TOTAL NUMBER OF DATA= 6000	
	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)		
1	0.10	3.10	-1.20	6.32	9.81	0.50	3.30	3.20	-11.50	5.30		
2	0.30	2.80	-0.80	8.20	10.50	0.50	1.80	2.20	-11.45	4.69		
3	0.60	2.80	0.10	8.30	10.48	0.50	0.50	2.20	9.156	3.59		
4	0.80	1.70	1.20	7.99	9.58	0.80	0.20	2.80	7.127	1.50		
5	1.20	0.10	2.50	7.09	8.57	2.00	-1.20	3.00	-4.19	0.10		
6	1.20	-0.80	4.21	5.99	6.69	3.00	-2.50	3.70	-0.40	-1.80		
7	1.20	-2.80	6.41	4.59	5.39	3.70	-3.60	3.60	3.61	-3.91		
8	1.20	-4.00	8.12	3.30	3.30	5.20	-4.81	3.70	7.96	-5.81		
9	1.20	-4.30	9.40	1.80	1.80	5.70	-6.00	3.30	12.20	-7.01		
10	1.20	-5.00	9.40	0.20	-0.60	5.80	-5.90	3.40	15.12	-7.51		
11	2.30	-4.49	9.40	-3.11	3.61	5.80	-5.99	3.40	15.62	-8.00		
12	3.70	-2.80	9.40	-7.04	-6.41	5.40	-4.49	3.50	15.90	-7.76		
13	4.10	-2.80	9.40	-10.66	-8.02	4.80	-2.40	3.00	15.85	-5.98		
14	4.30	-2.00	9.38	-12.90	-9.50	4.80	-1.30	2.40	14.87	-3.99		
15	4.60	-1.20	8.46	-12.85	-9.28	4.80	-0.20	2.40	14.24	-1.60		
16	5.00	0.20	6.07	-11.39	-7.98	4.70	-0.40	2.40	12.74	-0.30		
17	5.00	1.80	2.70	-11.04	-6.39	4.70	-0.80	2.40	10.90	1.30		
18	5.00	2.20	-0.40	-6.76	-5.39	4.40	-1.10	2.40	6.97	4.31		
19	5.10	2.20	-4.22	-6.09	-4.00	4.20	-1.10	2.40	3.99	7.63		
20	5.00	1.40	-9.33	-4.79	-2.90	3.00	0.10	1.90	2.30	10.33		
21	5.00	1.20	-11.00	-2.60	-1.60	2.70	0.10	1.90	0.70	11.80		
22	4.99	0.40	-11.00	-0.50	0.60	2.00	1.30	3.61	-0.60	11.85		
23	3.50	-0.10	-11.00	3.80	3.00	1.70	1.40	5.70	-1.70	10.27		
24	1.80	-0.50	-10.98	3.80	5.32	1.70	1.40	5.90	-2.20	8.76		
25	0.30	-1.40	-10.28	4.30	8.20	2.30	0.20	6.00	-1.20	6.07		
26	-1.80	-2.20	-9.26	4.50	8.31	2.30	-0.50	5.80	-2.20	2.80		
27	-4.00	-3.10	-7.29	4.50	8.90	2.20	-0.70	5.79	-1.20	2.80		
28	-5.10	-2.70	-6.19	4.50	8.68	1.90	0.90	5.00	-0.80	1.10		
29	-5.70	-1.20	-5.08	4.50	7.68	1.90	3.00	4.60	0.50	1.10		
30	-5.80	1.10	-2.00	4.50	5.98	1.90	3.90	4.60	1.80	-4.71		
31	-6.00	1.10	-0.90	4.57	3.69	1.50	5.31	4.30	2.90	-7.00		
32	-6.00	1.30	1.20	-2.80	1.90	1.40	6.40	3.40	3.00	-7.00		
33	-6.00	1.40	2.70	-4.00	-0.20	1.20	6.70	3.00	3.00	-7.00		
34	-6.00	1.80	2.60	-4.00	-2.50	1.20	6.70	3.30	2.70	-7.00		
35	-6.00	1.80	2.80	-3.60	-4.60	1.50	6.60	3.30	2.20	-6.77		
36	-6.00	1.90	1.30	-3.00	-5.61	2.40	6.09	5.00	2.20	-3.60		
37	-6.00	2.20	0.30	-2.30	-6.71	2.60	5.00	5.91	1.00	-2.40		
38	-6.00	3.30	-0.60	-2.20	-7.60	2.90	4.30	5.91	-0.60	0.00		
39	-5.99	3.80	-2.00	-2.120	-7.80	2.90	3.40	8.22	-2.20	2.81		
40	-4.60	3.80	-2.70	-2.20	-7.80	2.90	3.40	8.22	-4.81	6.11		
41	-4.00	3.40	-3.20	-1.80	-7.80	3.60	2.10	9.43	-7.50	7.41		
42	-3.80	3.10	-4.00	-1.20	-7.69	4.40	0.90	10.80	-7.90	8.41		
43	-3.40	2.10	-4.60	1.20	-7.09	4.80	-0.00	10.88	-7.78	8.90		
44	-1.50	0.50	-4.60	2.60	-6.60	5.00	-1.30	10.16	-6.09	8.90		
45	-0.20	-1.10	-4.10	3.90	-6.60	5.00	-2.60	8.46	-4.99	8.99		
46	0.60	-2.80	-3.10	5.41	-6.69	5.60	-3.40	5.57	-3.99	8.17		
47	1.80	-3.60	-1.40	7.21	-3.10	5.60	-4.50	1.10	-3.99	6.38		
48	2.20	-4.19	0.10	8.40	-1.60	5.60	-5.20	2.10	0.80	4.09		
49	2.70	-2.40	1.50	8.40	-1.50	5.00	-5.30	2.70	1.90	-0.10		
50	3.00	-1.80	4.21	8.72	-1.00	3.50	-4.40	10.62	5.20	-4.81		

RECORD#3-656 COMPONENT#E-H SIGNAL#GR.ACC. CORRECTION#ARC.ERR. STATION#YAHASHITA#HEN#S
 DATE AND TIME#1972-02-29-18-23 SAMPLING INTERVAL# 0.010(SEC) FORMAT No.#301 TOTAL NUMBER OF DATA# 6000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-6.40	-7.01	15.63	-8.83	-14.92	0.90	33.02	6.33	4.98	3.70
2	-6.40	-8.00	17.90	-10.55	-11.27	4.61	36.20	9.30	1.50	5.23
3	-6.40	-8.00	17.89	-12.44	-6.67	7.61	36.89	9.42	-2.71	9.50
4	-5.98	-7.99	17.57	-13.53	-3.89	8.20	34.86	10.63	-6.02	13.51
5	-4.00	-7.48	15.65	-11.71	0.00	8.44	30.73	11.97	-8.75	13.87
6	-3.90	-5.69	12.80	-8.82	4.52	9.82	26.32	14.25	-11.50	13.51
7	-4.00	-4.09	7.26	-3.98	9.14	10.30	22.36	15.34	-11.60	17.52
8	-3.20	-2.00	3.40	-1.70	15.23	10.17	16.64	15.34	-11.60	17.63
9	-4.20	0.10	2.90	5.02	19.84	8.86	10.84	14.68	-11.56	13.30
10	-0.20	2.50	2.89	8.75	21.87	6.48	4.48	14.25	-10.23	19.75
11	0.70	3.70	11.85	3.70	20.83	4.09	-1.10	13.07	-7.26	21.56
12	2.50	3.80	4.00	13.59	17.89	1.90	-5.32	12.13	-3.59	23.00
13	4.31	4.30	-4.31	15.62	13.50	-0.90	-9.13	10.55	1.30	22.98
14	6.21	5.30	-5.80	10.12	8.50	-2.60	-11.03	8.57	7.07	22.55
15	7.30	5.60	-5.99	16.49	2.19	-3.00	-12.18	6.68	13.34	20.01
16	6.99	5.70	-4.49	16.32	-3.51	-2.99	-11.44	4.39	17.11	16.68
17	6.39	5.70	-2.99	14.88	-6.92	-0.30	-9.13	2.20	20.52	13.02
18	5.40	5.70	-0.20	12.27	-9.35	3.01	-6.46	0.30	23.16	8.23
19	4.60	5.70	1.90	9.42	-12.28	8.51	-2.30	-2.71	26.25	3.19
20	3.70	5.70	3.10	3.09	-14.91	8.13	1.90	-7.51	28.27	-1.40
21	2.60	5.70	5.21	-8.41	-17.29	10.97	6.92	-8.00	27.79	-5.73
22	2.20	5.70	6.20	-8.80	-20.00	13.35	9.34	-8.00	25.77	-9.31
23	1.70	5.40	6.60	-15.04	-19.64	14.51	11.65	-8.00	22.81	-10.02
24	0.20	4.59	6.29	-17.84	-15.73	14.80	13.32	-7.76	19.29	-11.00
25	-1.10	3.30	4.99	-19.82	-10.28	14.76	13.74	-6.30	14.41	-11.10
26	-2.80	2.20	2.50	-19.75	-4.95	13.98	14.60	-6.00	10.25	-11.06
27	-4.20	1.50	0.80	-16.80	4.43	13.57	14.44	-6.00	8.16	-9.33
28	-4.20	1.50	1.60	-13.55	11.24	12.75	13.11	-6.00	5.38	-5.77
29	-3.30	1.50	-3.20	-9.93	15.27	11.54	10.62	-5.40	1.40	-2.10
30	-3.20	1.50	-3.60	-6.57	18.75	9.03	7.44	-5.30	-4.12	1.40
31	-1.40	1.50	-4.60	-3.49	21.95	5.27	2.79	-5.30	-9.73	4.82
32	1.40	1.20	-4.40	1.00	23.02	-0.50	-1.10	-5.30	-11.06	8.34
33	4.21	-2.70	-2.40	6.73	20.34	-5.14	-4.41	-5.89	-3.43	11.10
34	6.71	-2.70	-2.40	9.55	15.40	-11.53	-7.22	-5.40	-4.30	13.09
35	7.30	-3.80	0.20	12.29	11.51	-16.27	-9.22	-5.80	-6.43	21.03
36	7.51	-5.01	2.60	15.16	8.43	-20.85	-10.52	-5.80	-6.86	24.42
37	8.00	-7.32	5.21	16.40	3.98	-22.30	-11.54	-5.80	-6.19	25.74
38	8.10	-8.81	7.22	16.40	-0.60	-22.22	-12.97	-1.60	-5.92	24.44
39	8.10	-9.50	8.95	16.51	-5.12	-21.11	-14.87	1.60	-4.49	20.87
40	8.10	-9.58	10.85	14.74	-9.17	-17.17	-16.30	3.91	-4.49	24.04
41	7.79	-8.78	12.60	13.29	-13.29	-13.56	-18.01	5.91	-12.11	14.19
42	7.08	-7.28	12.67	10.32	-18.28	-10.00	-18.19	9.93	-9.25	6.34
43	5.49	-5.59	11.65	6.95	-20.83	-5.17	-17.76	-2.69	-6.27	-0.30
44	4.00	-3.99	9.76	2.49	-23.13	-0.70	-14.18	11.13	-2.69	-6.03
45	2.90	-2.00	7.97	-2.91	-23.22	6.45	-9.34	0.70	0.70	-12.82
46	1.40	0.50	4.79	-9.09	-21.48	12.25	-5.97	3.10	3.10	-19.10
47	-0.00	3.21	2.00	-13.33	-18.33	12.25	-2.70	3.20	-22.94	-22.94
48	-1.70	6.33	0.40	-15.08	-14.56	21.08	-1.00	3.20	-25.96	-25.96
49	-4.01	9.45	-3.21	-16.60	-9.48	25.25	1.20	3.20	-28.37	-28.37
50	-6.12	12.01	-6.12	-16.51	-3.29	29.34	3.81	7.86	-24.08	-24.08

RECORD=S-658
 DATE AND TIME=1972-02-29-18-23
 COMPONENTRE-H
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ARC,ERR,
 FORMAT NO.#301
 STATION=YAMASHITA-HENOS
 TOTAL NUMBER OF DATA= 6000

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	-18.61	11.95	-22.24	-8.46	8.85	-24.17	4.23	-4.70	0.20	12.31
2	-13.56	10.42	-18.41	-5.77	17.99	-25.43	13.09	-4.60	1.20	18.72
3	-7.74	7.12	-11.95	-1.40	26.64	-25.54	21.11	-4.59	2.50	23.08
4	-3.38	0.30	-3.97	2.61	32.45	-24.87	25.37	-1.80	3.20	26.48
5	2.82	-2.61	4.02	7.23	37.26	-22.38	29.37	1.80	3.80	29.23
6	13.10	-7.24	13.61	9.97	39.17	-19.43	29.82	4.62	4.70	29.37
7	24.08	-11.04	19.74	13.30	39.17	-16.04	27.74	8.57	5.40	26.54
8	24.15	-12.46	27.74	13.23	38.02	-11.32	22.57	13.25	6.01	26.65
9	27.76	-11.22	34.54	11.43	38.93	-4.95	15.37	17.40	7.22	22.27
10	33.68	-8.35	40.25	8.92	28.99	5.35	7.27	20.41	8.94	15.66
11	33.33	-4.98	43.57	4.58	21.23	13.36	-3.94	21.46	11.45	6.05
12	34.43	-1.60	44.79	-0.30	12.04	17.57	-16.49	21.02	13.14	-0.10
13	33.07	1.50	43.41	-4.82	3.97	18.45	-25.28	20.24	14.20	-3.91
14	27.73	5.92	38.89	-9.14	-4.54	16.48	-32.23	19.47	14.22	-7.52
15	23.71	8.09	31.03	-11.24	-12.61	14.51	-43.40	17.90	12.36	-8.80
16	19.10	14.28	22.37	-12.65	-18.86	12.55	-44.87	16.46	11.05	-8.80
17	15.41	16.20	9.91	-14.04	-25.67	11.20	-46.86	15.77	9.26	-8.79
18	11.77	17.90	1.20	-12.61	-27.24	11.20	-46.35	15.17	8.08	-8.18
19	7.34	17.91	-9.45	-9.93	-27.85	11.17	-42.59	14.59	6.59	-6.79
20	1.80	17.92	-17.75	-6.77	-27.02	9.89	-36.87	14.22	5.29	-5.79
21	-2.61	16.76	-24.51	-3.99	-26.26	9.49	-30.85	12.43	3.80	-4.49
22	-7.16	14.51	-28.40	-0.30	-23.69	9.20	-23.91	10.31	2.70	-3.00
23	-12.68	12.62	-30.42	6.58	-18.92	8.09	-11.92	6.58	0.40	-2.20
24	-17.96	10.14	-30.35	15.44	-15.47	8.42	-2.98	4.09	-0.80	-2.20
25	-21.42	7.58	-27.60	22.32	-12.97	9.48	6.08	2.30	-1.40	-4.11
26	-21.60	5.88	-24.24	28.25	-12.30	13.52	16.44	1.60	-1.80	-7.25
27	-21.60	2.89	-18.50	32.28	-12.20	16.56	24.06	0.80	-1.30	-11.55
28	-21.58	-1.10	-11.93	33.99	-12.10	19.24	27.63	0.90	0.10	-17.08
29	-20.97	-3.30	-3.38	34.79	-12.04	21.53	29.34	0.80	2.60	-21.50
30	-16.50	-4.61	4.33	32.97	-9.91	28.87	29.32	0.10	5.32	-23.44
31	-11.70	-6.00	11.08	30.43	-5.47	33.80	28.89	-0.60	8.41	-24.55
32	-11.60	-6.00	18.05	27.30	-0.80	39.18	25.08	-0.80	9.10	-24.55
33	-11.60	-6.01	22.92	20.31	4.02	42.00	21.56	-1.10	9.17	-19.72
34	-11.60	-7.20	24.71	13.06	8.47	42.00	18.01	-1.50	7.77	-12.12
35	-11.60	-7.20	24.72	32.97	-9.91	39.71	15.28	-1.50	5.78	-6.43
36	-11.55	-7.40	24.13	-0.20	18.58	34.85	12.80	-0.80	2.49	1.70
37	-9.65	-7.00	23.48	-5.23	22.36	29.24	9.45	-4.11	-2.61	9.59
38	-7.38	-6.60	22.27	-10.44	24.72	20.48	7.07	-5.62	-6.75	14.55
39	-5.48	-6.50	19.16	-16.52	26.33	9.21	3.99	-8.53	-11.54	17.79
40	-2.99	-6.42	15.02	-22.24	27.33	-0.80	0.60	-10.22	-16.59	20.72
41	0.30	-6.44	11.30	-28.49	27.62	-11.21	-2.91	-14.30	-19.92	24.21
42	4.72	-6.44	7.57	-33.70	25.80	-19.41	-6.95	-11.36	-22.44	26.44
43	8.23	-15.15	4.99	-37.12	22.57	-27.36	-11.66	-10.07	-23.47	26.44
44	10.47	-18.54	3.49	-37.42	15.43	-33.80	-13.72	-22.10	-22.10	24.21
45	13.59	-25.80	0.00	-34.94	8.48	-37.01	-14.01	-18.94	-18.50	19.70
46	15.77	-29.29	-2.81	-30.15	0.70	-36.73	-11.82	-14.79	-12.98	15.03
47	15.17	-31.50	-5.82	-29.38	-6.36	-32.41	-9.06	-12.80	-12.98	9.55
48	14.57	-31.35	-8.70	-19.48	-13.00	-26.46	-6.99	-2.40	-2.09	2.19
49	13.87	-30.18	-9.01	-10.23	-18.64	-16.97	-5.59	-1.80	3.72	-5.73
50	13.06	-26.83	-9.68	-2.88	-21.64	-6.02	-4.70	-0.40	8.66	-10.53

NO.	(3500J)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	-15.94	7.36	-14.79	-30.07	13.34	4.90	14.34	6.82	16.83	7.78
2	-20.85	4.28	-5.07	-25.51	13.50	5.71	12.42	8.62	15.59	-6.45
3	-22.91	0.40	0.40	-18.35	13.50	7.25	6.66	10.01	13.38	-0.50
4	-22.87	-1.60	6.46	-12.36	13.61	11.71	1.99	10.48	10.32	2.90
5	-24.59	-3.70	15.15	-5.34	13.85	15.52	-4.73	9.76	6.95	5.71
6	-18.84	-4.60	20.28	3.92	14.98	19.77	-11.18	7.77	7.00	7.00
7	-8.52	-4.90	22.08	10.56	16.58	21.77	-14.15	5.38	1.40	7.50
8	-3.18	-4.09	33.83	17.09	17.87	23.57	-17.70	2.20	-5.42	7.10
9	4.79	-1.70	38.26	20.43	18.10	23.90	-19.12	8.80	9.09	7.09
10	16.11	0.20	39.70	25.28	18.82	23.90	-19.17	8.10	-4.04	4.99
11	25.35	0.60	39.70	28.81	19.00	23.80	-16.19	8.51	-17.39	3.70
12	29.92	0.60	38.70	31.67	19.00	23.04	-10.86	7.51	-18.77	3.50
13	32.19	0.60	38.62	33.00	19.00	22.48	-5.27	8.61	-19.65	2.50
14	32.87	0.60	35.26	34.18	18.92	21.38	-0.50	9.42	-20.11	2.00
15	34.85	1.30	34.45	28.34	17.85	20.17	4.22	10.39	-18.88	2.00
16	35.85	1.90	27.08	23.30	17.04	18.59	9.09	8.97	-16.11	2.50
17	35.90	2.20	22.19	15.99	15.62	15.65	14.16	8.54	-4.36	2.50
18	35.90	2.20	17.57	7.81	14.02	11.08	17.98	8.79	-11.22	2.50
19	35.58	0.60	12.54	-0.10	9.94	6.47	20.64	11.99	-8.25	2.20
20	34.03	-2.40	2.29	-5.31	5.77	3.00	23.15	4.32	-5.18	2.20
21	30.88	-6.13	-6.45	-7.41	0.90	0.90	24.82	8.94	-1.80	4.31
22	25.76	-10.50	-11.89	-8.10	-4.02	-0.10	24.62	11.25	4.32	7.14
23	20.68	-14.62	-14.88	-8.07	-9.36	-0.20	22.78	13.16	10.89	10.56
24	14.29	-18.73	-18.73	-9.99	-12.78	-0.80	20.82	14.80	18.71	12.94
25	7.41	-19.67	-20.30	-4.30	-14.90	-0.90	19.02	14.83	24.14	13.93
26	0.10	-20.40	-20.30	-3.30	-15.05	-0.90	17.90	15.50	26.74	14.63
27	-5.94	-19.13	-20.08	-2.60	-16.01	-2.91	16.42	15.50	28.12	15.52
28	-11.63	-15.80	-17.94	-2.60	-16.24	-6.15	14.98	15.50	27.90	15.74
29	-16.18	-12.11	-15.23	-2.60	-16.95	-12.42	12.63	15.48	23.98	16.40
30	-17.56	-6.26	-13.79	0.10	-17.80	-13.20	10.43	15.10	23.27	16.41
31	-18.60	-4.60	-13.59	3.21	-19.26	-15.80	7.56	13.10	21.35	16.49
32	-21.13	2.20	-13.40	5.61	-20.87	-17.69	4.49	10.31	19.88	16.29
33	-21.40	6.03	-13.40	7.64	-20.80	-19.11	1.80	6.36	18.37	14.85
34	-21.26	10.32	-13.81	10.80	-20.58	-20.46	-1.60	1.80	15.20	13.23
35	-19.73	15.56	-10.85	10.57	-18.13	-21.22	-3.30	-2.51	11.30	11.23
36	-16.49	18.49	-8.98	9.14	-14.40	-22.46	-4.30	7.67	7.74	8.75
37	-11.33	19.78	-0.40	6.07	-10.09	-22.79	-4.70	3.49	3.49	5.97
38	-5.37	20.63	2.20	1.70	-4.98	-20.61	-4.69	-15.47	-0.80	2.00
39	-1.30	20.84	3.90	-1.50	-2.00	-15.29	-2.70	-16.78	-4.82	7.10
40	5.02	20.16	4.30	-4.81	-1.20	-7.43	-2.00	-16.26	-8.82	4.21
41	8.72	18.35	3.69	-5.90	-1.20	-1.99	-0.60	-13.86	-10.33	6.01
42	10.24	13.55	1.10	-6.50	-0.40	4.32	0.10	-10.39	-11.52	7.82
43	11.91	4.97	-1.20	-6.80	0.70	8.13	0.70	-5.67	-12.01	9.42
44	12.10	-0.20	-2.80	-6.99	1.60	10.54	2.00	-1.80	-12.20	-10.41
45	12.10	-6.63	-5.73	-6.38	2.40	12.24	2.60	4.92	-12.20	-10.80
46	12.10	-9.58	-9.54	-3.99	2.60	13.51	2.60	9.37	-12.17	-10.78
47	12.10	-13.87	-17.20	-1.20	3.10	13.76	2.60	13.09	-11.27	-9.97
48	12.10	-15.53	-27.74	3.21	3.90	15.10	3.10	13.57	-10.10	-8.74
49	12.03	-14.17	-30.71	6.33	4.30	15.20	4.20	16.90	-9.98	-9.38
50	9.85	-13.54	-32.90	10.17	4.80	15.16	4.91	16.90	-9.08	-2.20

RECORDS=658 COMPONENT=E-W SIGNAL=OR.ACC. CORRECTION=ARC.ERR. STATION=YAKASHITA-HEN=5
DATE AND TIME=1972-02-29-18-23 SAMPLING INTERVAL= 0.10(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

RECORD#	DATE AND TIME	S-658	COMPONENT=E-W	SIGNAL GR. ACC.	CORRECTION=ARC.ERR.	STATION=YAMASHITA-HENOS				
				SAMPLING INTERVAL=0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA=6000				
NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	0.90	-10.63	3.90	22.62	5.62	10.13	3.00	2.20	-9.95	9.79
2	3.71	-12.03	3.90	20.10	8.95	11.33	3.10	3.20	7.77	9.09
3	5.92	-13.11	3.90	17.74	11.76	12.52	2.70	4.91	-5.79	8.57
4	8.43	-13.51	3.90	14.01	13.74	13.01	2.90	6.31	-4.09	6.88
5	10.84	-16.30	3.91	9.52	14.63	13.28	2.40	7.31	-1.20	5.29
6	12.22	-18.00	6.51	5.28	15.18	12.78	2.80	7.80	1.90	3.69
7	12.70	-18.00	7.41	1.90	14.85	12.19	2.90	8.10	3.10	1.70
8	12.70	-17.98	8.01	-0.50	13.64	11.88	3.20	8.40	4.72	-0.70
9	12.70	-17.60	8.71	-2.60	12.22	11.14	3.30	8.50	8.52	-1.80
10	12.68	-16.01	9.61	-4.10	9.64	9.07	3.60	8.39	9.52	-2.80
11	12.17	-12.68	10.12	-8.00	6.58	7.27	4.40	7.38	10.58	-3.30
12	11.09	-9.14	10.93	-5.60	4.89	4.39	4.30	5.59	9.88	-2.90
13	10.58	-6.08	12.20	-5.79	3.00	1.20	4.60	3.69	9.09	-2.40
14	9.79	-3.00	12.17	-4.99	2.10	-2.61	5.21	1.30	8.49	-1.90
15	9.10	-2.60	11.10	-3.99	1.00	-6.55	6.21	3.00	7.69	-1.10
16	9.10	-1.60	11.20	-1.80	-0.00	-11.95	7.11	8.91	6.89	-0.40
17	9.10	-0.40	11.16	0.50	-0.90	-16.82	7.70	8.22	5.80	0.20
18	9.09	0.30	9.57	2.90	-1.90	-20.66	7.80	9.22	5.20	0.80
19	8.39	1.00	7.96	4.30	-3.20	-24.47	8.09	-10.10	4.49	1.80
20	7.99	1.80	5.08	4.80	-4.41	-26.56	7.38	-10.00	2.60	3.20
21	7.29	2.80	2.30	5.30	-6.00	-28.02	5.89	8.98	1.90	3.60
22	6.60	3.49	-0.80	5.70	-6.40	-27.75	5.89	8.95	0.50	3.90
23	6.20	1.20	-2.70	5.90	-6.40	-25.69	1.90	-6.08	-0.30	3.40
24	5.90	0.60	-5.00	6.41	-6.10	-23.38	-4.40	-3.99	-1.20	2.80
25	5.40	-0.60	-5.30	8.02	-6.10	-19.86	-3.20	0.10	-2.20	2.30
26	4.90	-2.20	-5.71	9.76	-6.10	-15.99	-5.00	2.80	-1.80	1.80
27	4.30	-3.70	-6.53	12.65	-6.00	-12.27	-8.44	4.80	-0.80	1.60
28	3.90	-5.00	-9.43	14.05	-5.80	-8.44	-5.10	5.41	0.00	1.50
29	3.70	-6.91	-11.18	15.22	-5.40	-4.29	-3.69	7.10	2.00	0.70
30	2.50	-7.74	-14.26	15.74	-5.10	-0.60	-1.50	7.89	2.80	0.00
31	2.40	-6.90	-15.60	16.36	-4.60	4.01	-0.10	6.99	3.00	1.00
32	2.60	-6.49	-17.69	15.81	-4.00	6.32	1.90	6.89	3.20	1.90
33	3.20	-6.40	-20.43	13.84	-3.20	8.56	3.91	4.89	2.80	2.80
34	3.90	-4.99	-20.72	10.02	-2.20	12.37	3.91	4.89	2.80	2.80
35	5.14	-3.60	-20.83	6.37	1.00	14.34	5.61	2.90	2.40	4.20
36	12.46	-2.90	-20.02	2.40	4.31	15.34	7.21	1.10	1.50	4.90
37	14.39	-1.70	-19.01	0.30	7.43	16.13	8.10	2.40	0.80	5.30
38	18.55	-0.70	-16.17	-3.81	10.19	16.68	8.39	8.41	0.20	4.70
39	20.50	0.60	-7.35	-6.02	14.35	16.20	7.80	8.43	-0.10	4.70
40	21.65	2.20	-2.89	-8.52	15.55	14.47	7.50	8.32	0.30	4.50
41	23.08	3.30	0.70	-10.12	16.38	11.51	7.40	-10.55	1.50	5.21
42	23.70	3.70	3.80	-11.25	15.91	8.35	6.99	2.80	2.80	7.11
43	25.12	3.80	5.32	-13.11	14.19	5.19	6.19	3.70	3.70	8.42
44	18.51	2.40	9.48	-13.27	11.73	2.80	5.39	4.40	4.40	9.84
45	16.89	2.40	13.85	-12.44	9.47	2.20	4.40	5.34	11.79	11.79
46	9.11	2.40	17.52	-10.62	7.78	1.90	3.50	18.26	6.51	11.72
47	3.98	2.40	20.50	-7.56	6.50	2.40	1.90	17.67	7.81	11.25
48	-1.20	2.70	22.82	-3.98	6.11	2.90	1.10	-13.52	8.21	16.32
49	-3.71	3.80	23.08	0.60	6.92	3.00	0.80	-13.52	9.21	16.61
50	-6.64	3.50	23.60	3.91	8.43	2.90	1.20	-11.55	9.60	11.80

RECORD=3-658 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=YAMASHITA-HENOS
 DATE AND TIME=1972-02-29-18-23 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	16.76	7.09	7.58	0.70	-11.04	8.07	12.64	51.60	7.47	2.70
2	16.18	6.29	-5.80	0.10	-12.54	5.68	10.74	0.80	4.88	2.20
3	15.71	5.09	-5.30	-0.70	-13.66	3.00	8.14	0.80	1.40	2.50
4	14.00	2.80	-4.50	-1.20	-15.05	1.20	4.28	0.80	-1.20	1.90
5	11.72	1.20	-3.80	-1.80	-16.00	0.90	0.40	0.80	-3.10	1.70
6	9.05	-0.80	-3.00	-2.80	-16.00	-0.20	-2.30	0.80	-4.91	0.80
7	6.07	-2.60	-2.20	-3.30	-15.82	-1.50	-5.92	0.20	-6.41	0.40
8	2.79	-4.00	-2.10	-3.30	-12.61	-2.90	-8.43	0.20	-6.99	0.10
9	-1.50	-4.10	-1.20	-3.30	-10.03	-3.90	-10.14	0.80	-6.90	-0.00
10	-6.02	-3.00	-0.20	-2.90	-6.59	-4.61	-11.90	0.90	-6.09	-0.80
11	-9.13	-3.40	0.60	-2.00	-5.68	-5.81	-11.87	0.10	-4.47	-1.80
12	-10.64	-3.00	0.90	-0.80	-3.50	-6.91	-10.77	0.10	-2.20	-2.20
13	-12.23	-3.60	0.80	2.30	-2.00	-8.23	-9.49	0.50	5.41	-2.60
14	-13.09	-0.10	0.50	4.31	-0.60	-10.02	-8.77	0.60	7.33	-2.90
15	-12.78	0.80	-0.20	5.91	0.40	-11.10	-7.08	0.80	10.00	-3.90
16	-12.16	3.60	-1.00	7.91	1.50	-11.00	-5.09	0.80	14.58	-2.50
17	-10.88	5.31	-1.80	8.41	2.20	-11.08	-3.50	0.80	16.21	-1.40
18	-9.95	6.91	-1.80	9.31	2.20	-10.48	-1.90	0.80	16.41	-0.30
19	-7.47	7.61	-1.30	9.80	2.20	-9.79	-0.30	0.80	16.59	1.50
20	-5.08	8.10	0.10	9.80	2.20	-9.18	1.00	0.80	16.44	3.10
21	-1.60	8.10	1.20	9.59	1.20	-7.98	2.30	0.80	15.24	4.10
22	0.50	8.10	6.32	8.98	0.10	-6.49	4.20	0.80	12.13	4.80
23	3.21	8.40	9.12	7.97	-1.10	-4.99	5.31	0.20	10.05	4.80
24	6.11	8.40	10.56	5.68	-2.00	-3.00	6.71	-1.70	7.57	4.80
25	7.41	8.40	13.05	3.09	-3.80	-1.90	8.12	0.30	5.49	4.80
26	8.40	8.10	14.43	-0.30	-5.00	-0.60	9.44	0.20	3.29	4.20
27	8.61	7.80	15.13	-2.30	-5.70	1.20	11.66	0.70	0.00	3.90
28	9.30	7.50	15.99	-4.71	-5.70	2.80	13.59	0.20	-0.90	2.60
29	9.40	7.89	17.57	-7.03	-5.69	3.81	15.91	0.20	0.80	-0.00
30	9.41	7.40	18.72	-9.72	-4.49	5.51	16.04	0.80	-2.60	-1.20
31	10.07	7.40	20.20	-10.52	-3.00	7.11	16.70	1.80	-2.60	-2.30
32	8.89	7.39	20.15	-11.50	-1.70	8.40	16.66	2.60	-2.60	-3.20
33	8.08	6.69	19.54	-11.50	2.40	8.39	16.07	3.50	-2.60	-3.90
34	6.59	5.40	18.82	-11.47	4.61	7.39	15.45	4.30	-2.20	-3.40
35	5.59	5.30	17.69	-10.26	6.65	6.59	14.92	4.40	-1.90	-2.70
36	3.79	4.70	15.96	-8.47	12.27	5.39	12.73	4.30	-0.90	-2.10
37	1.50	4.70	13.49	-6.59	14.39	4.40	10.75	4.20	1.00	1.10
38	0.10	4.00	10.62	-4.99	16.50	3.60	8.75	4.30	1.70	4.10
39	-0.80	3.30	7.86	-2.70	18.21	4.90	5.78	4.51	2.50	4.31
40	-0.40	1.90	5.89	-0.40	18.34	5.61	3.49	6.21	2.90	7.32
41	-1.50	-0.00	1.80	0.80	18.90	7.22	1.20	7.94	2.90	8.72
42	-0.60	-2.20	0.10	2.50	18.90	9.12	-0.50	10.83	3.50	9.91
43	-1.10	-4.11	-1.50	3.20	18.83	10.54	-2.60	12.02	3.30	10.49
44	-1.20	-6.11	-1.90	3.20	17.95	13.15	-2.60	12.63	3.20	10.09
45	-0.20	-7.71	-1.50	3.20	17.16	15.76	-3.20	13.62	3.30	9.38
46	1.20	-8.80	0.20	1.10	16.52	15.14	-3.20	14.19	3.20	8.77
47	2.90	-9.01	0.30	-1.20	15.25	15.99	-2.50	13.97	2.20	7.08
48	4.80	-9.49	0.70	-2.80	14.20	15.78	-2.20	13.13	2.90	5.39
49	5.71	-9.09	0.70	-5.02	11.83	15.46	-2.20	13.37	2.60	3.40
50	6.80	-8.29	0.70	-8.44	9.47	14.61	-2.00	10.14	2.50	1.80

NO.	RECORDS-658				COMPONENT#E-W				SIGNAL#GR.ACC.				CORRECTION#ARC.ERR.				STATION#YAMASHITA-MENS			
	DATE AND TIME=1972-02-29-18-23				SAMPLING INTERVAL= 0.010(SEC)				FORMAT NO.#001				TOTAL NUMBER OF DATA# 6000							
	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)	(5500)	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)		
1	0.50	5.60	-3.60	-2.70	8.38	-6.59	-3.30	11.31	2.30	1.90										
2	-0.60	5.60	-4.50	-3.80	7.29	-5.39	-3.30	11.49	1.60	-1.40										
3	-1.50	6.00	-4.60	-4.20	5.98	-3.79	-2.00	11.18	1.60	-0.70										
4	-2.50	6.00	-4.00	-4.10	3.90	-0.40	-1.20	10.57	1.90	0.80										
5	-2.60	6.10	-3.20	-4.10	3.00	1.00	0.30	9.17	1.90	2.10										
6	-2.60	5.49	-2.10	-4.00	2.10	1.70	1.10	7.37	1.00	2.40										
7	-4.10	4.60	-2.20	-3.40	0.90	2.20	0.20	5.09	0.50	3.50										
8	-5.20	3.70	-0.60	-3.30	0.10	3.00	3.70	3.00	0.10	3.41										
9	-6.00	2.80	1.70	-3.00	-0.80	3.10	4.40	1.10	-0.80	6.91										
10	-6.41	1.60	3.80	-1.20	-1.50	2.90	5.30	0.70	-1.60	7.81										
11	-7.40	0.60	5.01	3.41	-2.00	2.70	5.90	1.90	-1.70	8.60										
12	-6.99	-0.80	6.41	5.62	2.30	2.30	5.90	3.20	-1.60	8.59										
13	-6.50	-2.60	7.72	8.01	-0.80	1.50	5.50	3.40	-1.60	8.27										
14	-6.49	-5.01	9.00	9.03	-0.20	0.90	5.30	3.40	-1.20	6.48										
15	-5.70	-7.32	9.09	11.05	0.80	0.00	5.20	2.00	-0.70	4.19										
16	-5.00	-9.02	8.60	13.04	0.50	-0.50	4.50	0.20	-0.70	2.10										
17	-4.39	-9.99	8.39	14.02	1.60	-0.70	4.40	1.40	-0.80	0.20										
18	-3.09	-9.40	7.49	14.41	3.41	-1.20	3.80	1.40	-1.90	0.20										
19	1.80	-9.19	6.69	14.60	5.71	-1.60	2.90	3.50	-3.20	-3.30										
20	3.20	-8.58	5.69	14.48	7.32	-3.00	2.20	4.80	-4.90	-4.90										
21	3.60	-7.36	4.75	13.96	9.34	-3.80	0.60	7.22	-5.61	-5.30										
22	4.50	-3.80	-6.00	12.94	11.24	-4.50	-1.10	8.93	-6.50	-5.40										
23	5.40	-2.40	-7.19	11.33	12.74	-5.00	-0.11	10.94	-6.50	-5.40										
24	6.20	-0.80	-6.39	8.78	13.95	-5.70	-5.70	12.41	-6.19	-4.80										
25	6.31	3.61	-5.69	6.08	15.11	-5.99	-5.70	12.68	-4.59	-4.00										
26	6.90	7.20	5.51	3.09	15.32	-5.00	-5.80	12.16	-3.20	-2.60										
27	7.20	5.51	4.90	0.30	15.72	-4.60	-5.80	10.35	-2.00	-1.50										
28	7.20	7.73	4.00	-3.81	16.07	-3.60	-5.80	8.97	-0.80	0.80										
29	7.39	10.07	-3.00	-6.42	15.58	-3.00	-5.80	7.10	1.20	1.50										
30	6.29	13.49	-2.00	-8.32	15.27	-1.20	-5.80	6.98	3.20	2.20										
31	5.60	15.66	-1.90	-9.51	14.56	1.30	-5.40	4.60	4.41	2.50										
32	4.99	16.87	-0.80	-9.80	13.64	3.91	-5.00	3.80	6.21	2.90										
33	3.89	17.97	2.60	-9.78	12.12	5.70	-4.70	2.50	7.42	2.90										
34	1.90	18.82	3.80	-8.98	9.67	6.31	-4.80	2.20	8.91	2.90										
35	0.40	19.20	4.50	-7.87	8.37	7.01	-4.19	2.20	9.31	2.90										
36	0.50	19.19	5.60	-5.99	6.08	7.60	-2.70	3.20	9.70	3.30										
37	0.30	19.06	6.20	-4.59	3.49	7.81	-0.80	4.20	9.80	4.00										
38	-1.10	18.51	6.20	-3.00	1.20	8.30	1.60	5.30	9.80	4.90										
39	-1.20	17.28	6.50	-1.20	-0.80	8.39	2.20	6.10	9.58	5.30										
40	-1.70	15.37	6.20	4.01	-3.10	7.48	2.80	6.61	8.68	5.90										
41	-1.50	12.94	6.20	5.73	-5.30	3.99	3.00	7.82	7.18	6.00										
42	-1.20	11.25	6.20	9.42	-5.71	4.80	3.00	9.02	4.99	5.90										
43	-1.10	9.56	5.79	10.42	-6.72	3.79	4.31	9.90	3.00	5.90										
44	-0.20	7.47	4.70	11.11	-8.31	1.60	6.34	9.90	1.70	6.00										
45	0.20	4.99	3.80	11.60	-9.00	0.40	7.11	9.89	0.10	5.90										
46	1.10	3.69	2.90	11.60	-9.00	-1.30	7.92	9.47	-0.00	6.00										
47	2.40	0.20	2.00	11.58	-8.80	-3.60	9.10	8.07	-1.20	6.00										
48	3.50	-1.00	0.90	10.78	-8.49	-3.30	9.21	6.29	-1.80	5.99										
49	4.20	-2.70	-0.50	9.89	-7.69	-3.30	10.52	4.59	-2.00	5.00										
50	5.10	-2.80	-1.50	9.19	-7.00	-3.30	10.52	2.90	-1.90	4.39										

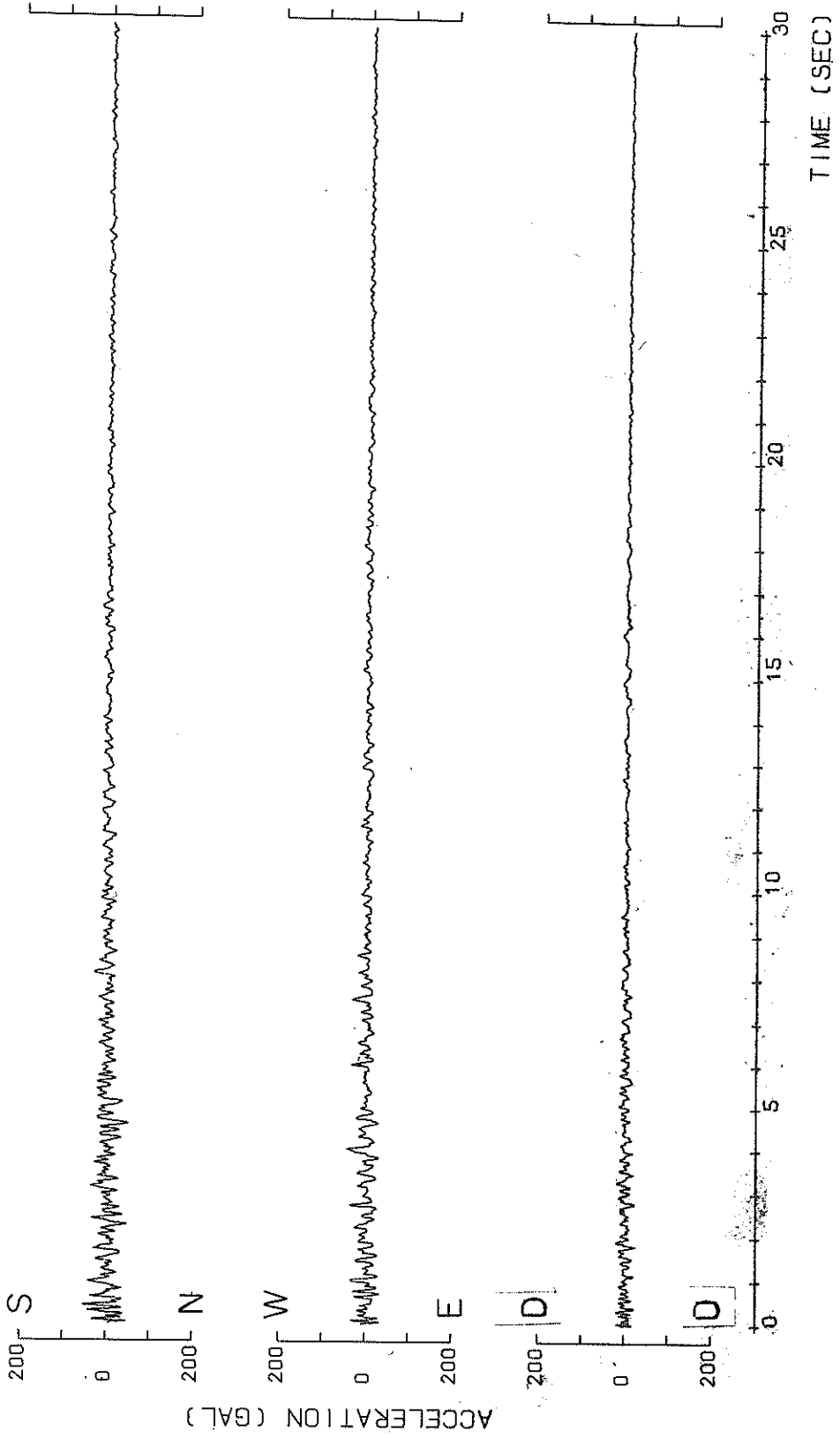
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1	3.10	0.50	6.60	6.19	1.90	4.00	-0.30	16.80	0.40	9.10
2	2.50	0.80	6.59	5.30	2.20	-4.00	0.20	16.80	0.70	9.00
3	1.60	0.90	5.80	4.60	2.70	-3.40	0.30	16.80	1.10	8.99
4	0.50	1.30	5.40	4.60	3.20	-2.90	0.80	16.72	1.80	8.69
5	-0.00	2.00	4.89	4.50	3.80	-2.80	1.20	15.26	2.40	8.26
6	-0.20	2.00	3.30	5.10	4.00	-2.80	1.20	10.64	3.20	7.39
7	-0.50	1.40	1.90	5.60	4.70	-2.00	1.20	8.37	3.80	6.80
8	-0.50	1.10	1.00	5.69	5.20	-1.00	0.90	6.48	4.61	6.70
9	-0.50	0.20	-0.10	4.50	5.70	-0.60	0.50	4.79	6.71	6.70
10	-0.50	-0.30	-1.40	4.00	5.80	-0.60	0.00	3.20	7.41	6.30
11	-0.10	-0.60	-1.50	3.70	5.80	0.30	-1.10	1.80	8.11	6.30
12	1.00	-1.00	-1.50	3.70	5.40	1.20	-1.50	0.60	9.00	5.99
13	-2.00	-1.10	-1.50	4.50	5.20	1.30	-1.50	0.10	9.10	5.29
14	2.10	-1.10	-0.90	5.41	4.80	0.80	-1.50	0.20	8.99	4.30
15	2.30	-1.00	0.50	6.41	4.70	0.80	-1.50	0.10	8.49	4.00
16	3.80	-0.50	1.10	7.30	4.40	0.20	-1.50	0.10	7.69	3.90
17	4.80	-0.10	1.20	7.51	4.30	-0.30	-1.50	0.10	7.09	3.80
18	4.30	0.10	1.20	8.01	4.30	-0.70	-0.60	0.70	6.40	3.80
19	4.30	0.80	1.40	8.92	4.30	0.30	0.30	1.50	6.00	2.60
20	4.30	0.90	1.90	10.00	4.20	-1.70	2.00	2.20	5.70	1.80
21	3.40	1.30	2.30	10.10	5.20	-1.70	3.10	2.80	5.20	0.80
22	3.60	2.60	2.30	10.10	5.70	-1.70	4.10	2.90	4.50	-0.20
23	3.90	3.80	2.30	10.10	6.11	-1.70	4.90	2.90	4.10	-1.50
24	4.00	4.80	1.90	10.07	7.32	-1.00	4.90	2.90	3.30	-2.50
25	4.50	5.71	1.20	8.80	8.71	-0.50	5.30	2.90	2.50	-2.50
26	5.00	7.31	0.10	8.80	9.21	0.30	5.29	2.90	1.80	-3.70
27	5.60	8.61	-0.60	8.80	9.21	0.70	4.39	2.30	1.70	-3.70
28	6.20	9.50	-3.30	8.80	9.20	2.30	3.10	2.20	2.30	-4.00
29	6.40	9.50	-4.61	8.80	9.70	4.20	1.40	1.90	3.30	-4.60
30	6.71	9.50	-6.00	8.80	9.79	4.90	-0.20	1.90	3.30	-5.00
31	7.41	9.52	-6.61	8.70	9.08	5.60	-1.50	1.00	3.30	-5.50
32	8.20	10.31	-7.80	8.80	8.08	6.30	-2.80	0.30	3.30	-5.50
33	8.39	10.82	-7.80	8.78	6.99	6.30	-2.80	0.30	3.30	-5.50
34	7.39	11.50	-7.79	7.69	6.40	6.40	-4.00	0.80	3.40	-4.00
35	6.30	11.50	-7.39	7.00	5.00	6.20	-4.40	-1.40	3.40	-3.50
36	6.20	11.50	-6.29	6.90	4.29	5.60	-4.40	0.20	4.50	-3.60
37	6.40	11.59	-5.00	6.69	2.80	4.99	-4.40	0.20	4.90	-2.00
38	6.40	11.28	-4.99	6.09	1.20	3.90	-3.30	0.20	4.90	-1.00
39	6.40	10.68	-4.00	5.39	0.20	2.80	-2.80	0.10	6.51	0.00
40	6.30	9.10	-3.00	4.30	-0.50	1.50	-1.20	0.80	7.30	1.00
41	5.80	8.10	-1.60	3.70	-1.20	0.70	1.40	0.10	7.30	1.00
42	5.30	8.89	-0.90	2.90	-2.30	-0.00	4.61	0.10	6.89	2.30
43	4.50	8.09	0.10	1.90	-3.20	-0.40	7.13	0.00	6.29	3.00
44	3.80	7.40	1.60	1.20	-4.20	-0.50	10.15	0.50	5.40	3.80
45	3.00	7.00	3.10	0.50	-4.70	-0.80	12.26	0.40	5.40	4.80
46	2.30	7.00	4.30	0.50	-5.20	-0.50	14.23	0.30	5.40	5.31
47	1.60	7.00	5.30	0.50	-5.30	-0.50	14.95	0.30	6.11	6.11
48	1.20	6.60	6.10	0.50	-5.30	-0.50	15.94	0.80	7.31	7.41
49	0.60	6.40	6.40	1.10	-5.30	-0.50	16.71	0.90	8.31	8.41
50	0.70	6.60	6.50	1.70	-4.99	-0.50	16.80	0.40	9.11	9.11

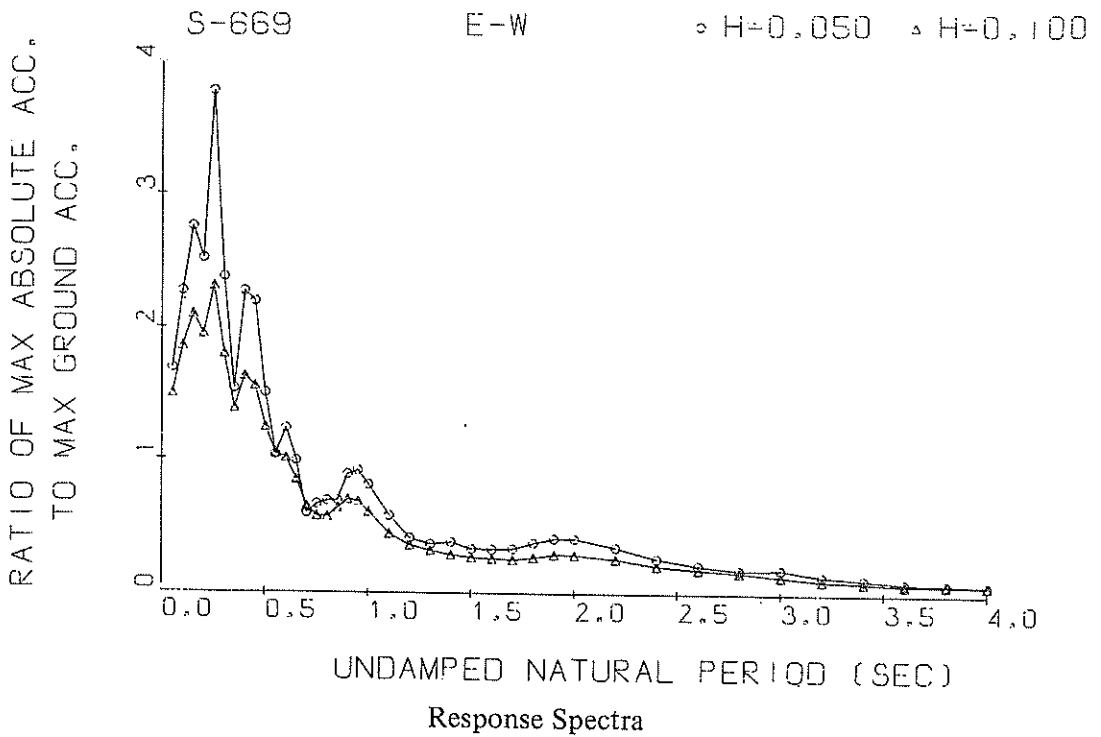
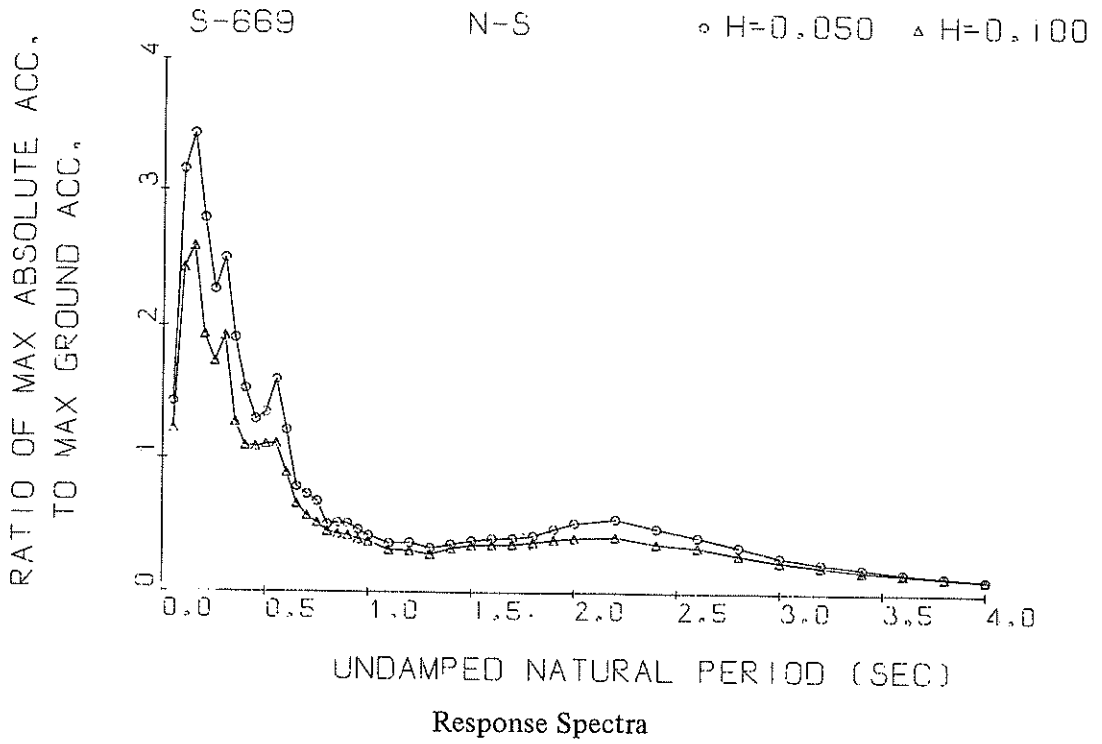
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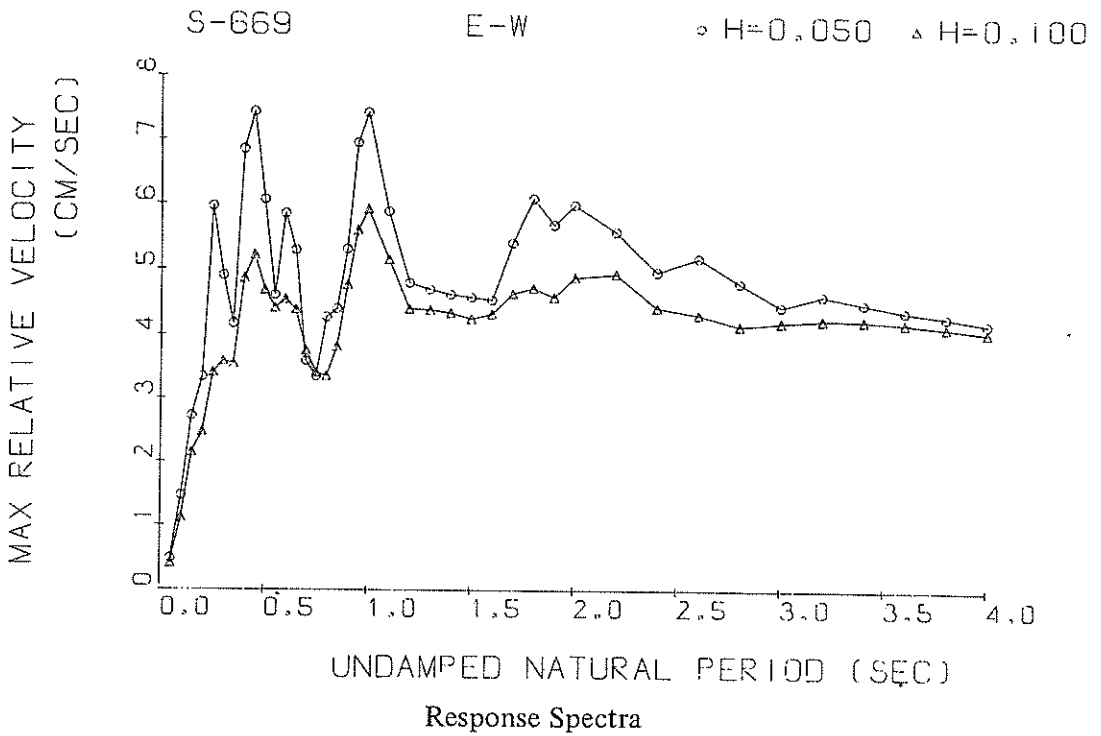
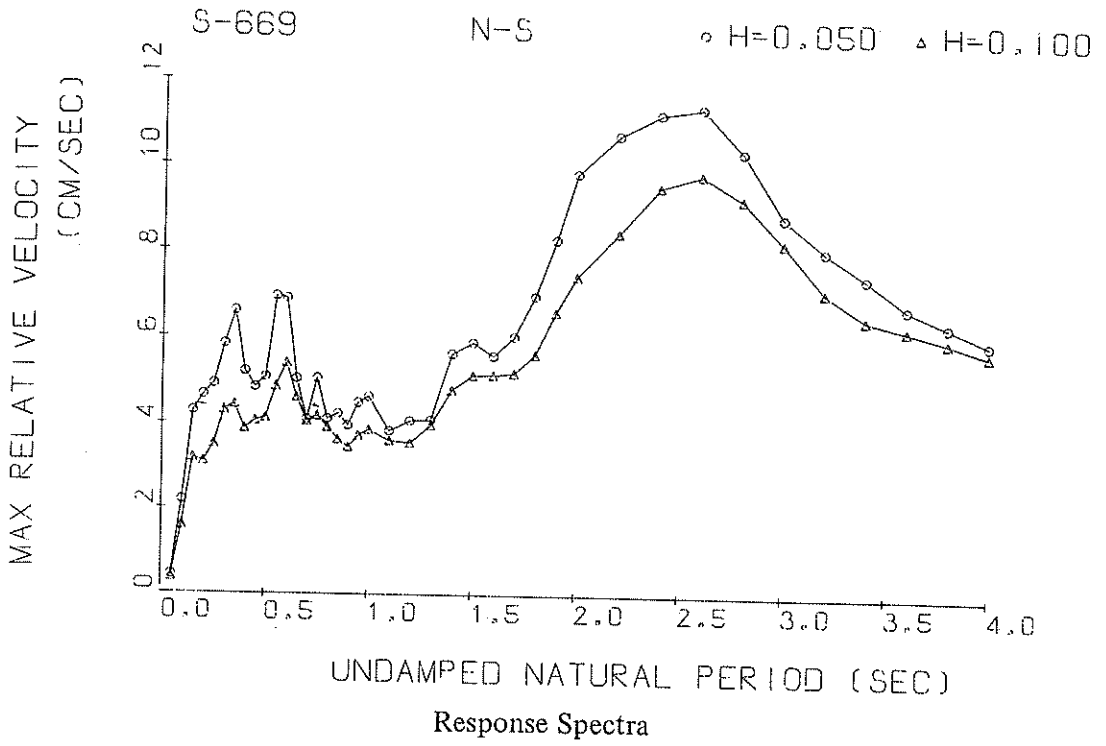
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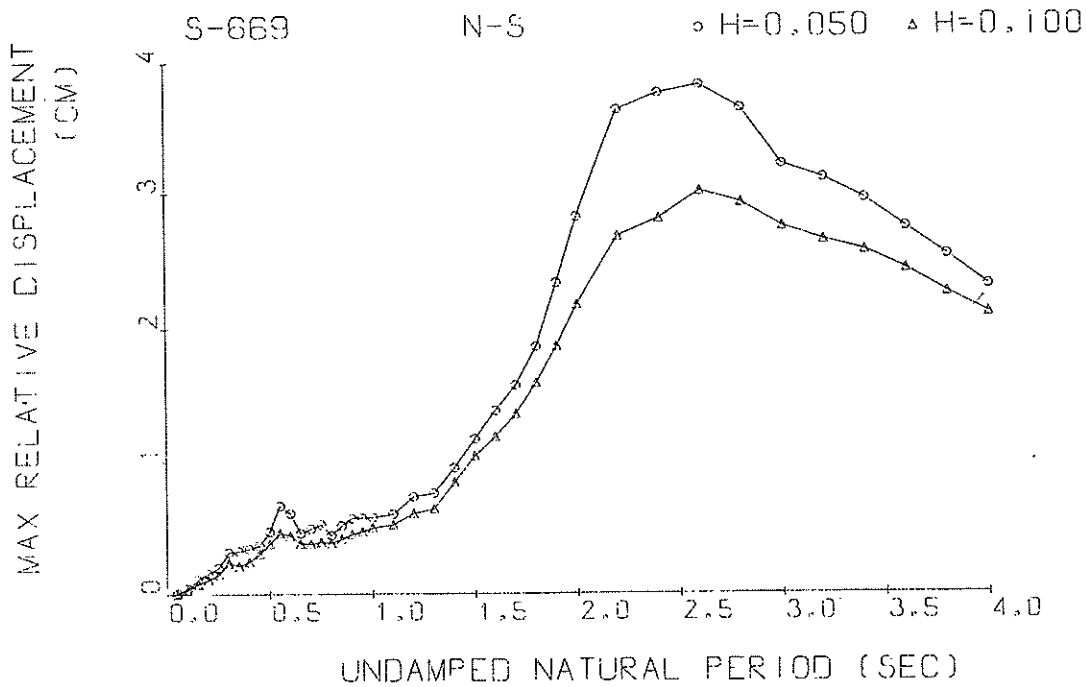
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DATE AND TIME=1977-02-29-18-25
COMPONENT=E-H
SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.
SAMPLING INTERVAL# 0.0101SEC
FORMAT No.=301

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

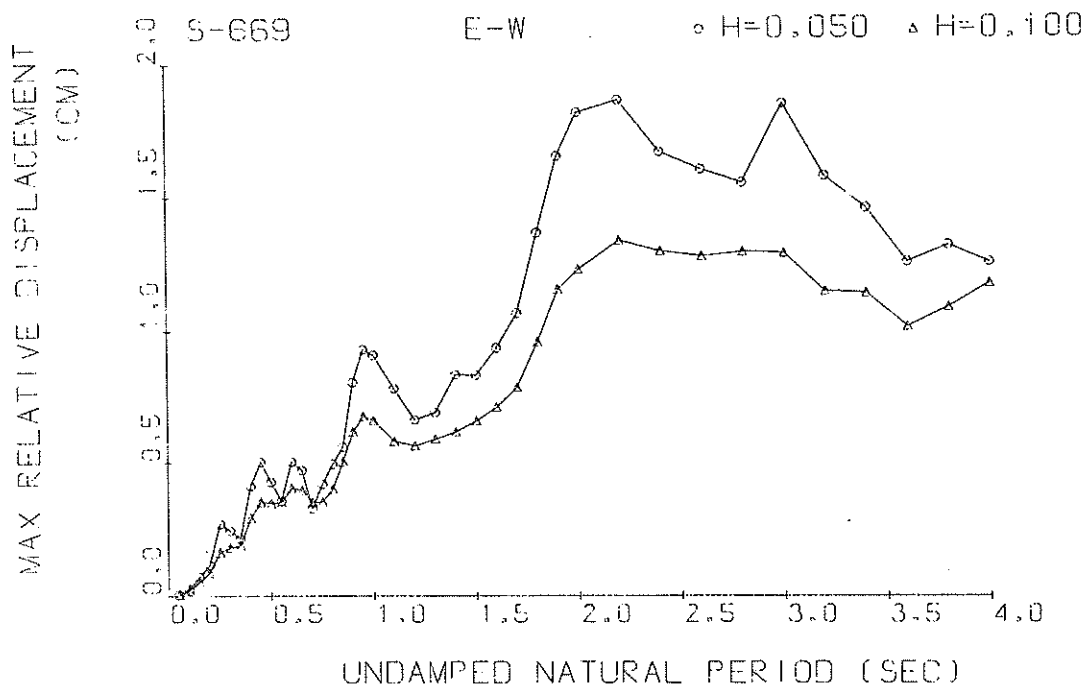








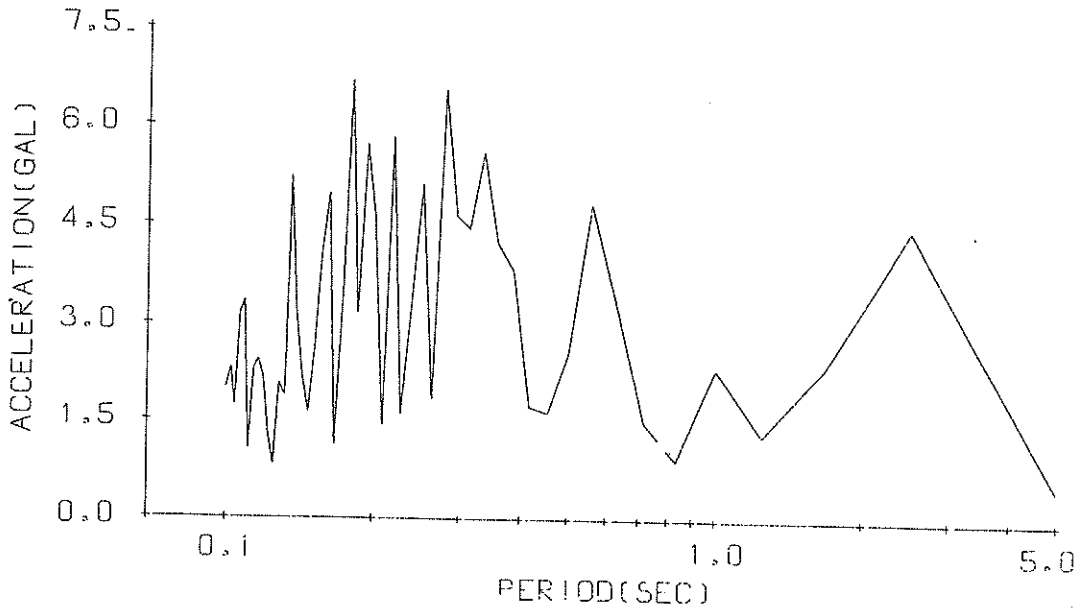
Response Spectra



Response Spectra

S-669 N-S

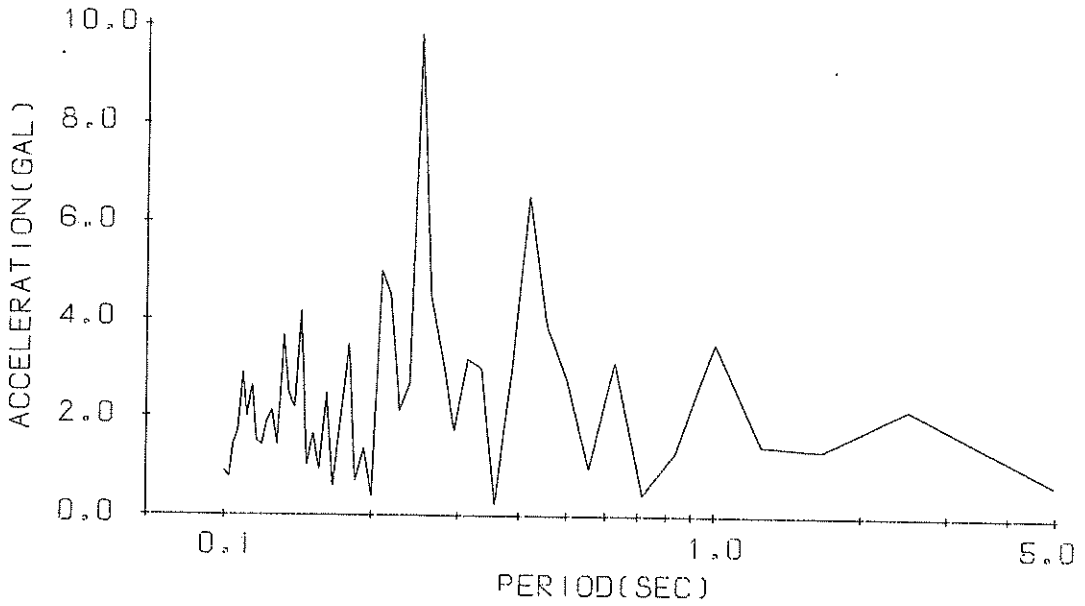
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TUS=5.00



Fourier Spectrum

S-669 E-W

TSK=0.00
TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD # S-669 N-S 1972-03-20-00-58
 STATION # HACHINOME-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH # 20.00(SEC) SKIPPED LENGTH # 0. (SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 58.32(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.420	82.83	52.97	0.518	0.0053
0.100	3.000	174.95	122.87	2.167	0.0440
0.150	3.092	180.31	187.84	4.226	0.1019
0.200	2.672	155.84	151.29	4.646	0.1565
0.250	2.167	126.37	122.51	4.893	0.1994
0.300	2.429	141.69	139.89	5.900	0.3220
0.350	1.844	107.54	136.44	6.578	0.3306
0.400	1.494	87.15	97.28	5.208	0.3512
0.450	1.278	74.53	86.55	4.838	0.3810
0.500	1.327	77.38	77.99	5.076	0.4878
0.550	1.554	90.66	94.07	6.921	0.6913
0.600	1.207	70.39	78.21	6.912	0.6398
0.650	0.803	46.83	68.59	5.048	0.4983
0.700	0.746	43.49	66.11	4.062	0.5363
0.750	0.704	41.08	67.11	5.096	0.5817
0.800	0.536	31.28	61.33	4.204	0.5042
0.850	0.486	28.37	58.01	4.225	0.5157
0.900	0.551	32.12	61.32	3.974	0.6529
0.950	0.510	29.76	60.86	4.632	0.6737
1.000	0.410	23.94	57.28	4.663	0.6027
1.100	0.385	22.46	57.56	3.787	0.6861
1.200	0.387	22.59	57.75	3.771	0.8217
1.300	0.374	21.80	57.87	4.065	0.9305
1.400	0.330	19.25	57.95	5.501	0.9505
1.500	0.402	23.44	58.00	6.188	1.3252
1.600	0.439	25.58	58.04	5.928	1.6473
1.700	0.440	25.68	58.07	6.317	1.8658
1.800	0.447	26.08	58.09	6.847	2.1374
1.900	0.484	28.20	58.11	7.976	2.5643
2.000	0.522	30.45	58.12	9.413	3.0756
2.200	0.579	33.76	58.14	10.554	4.1136
2.400	0.538	31.39	58.15	11.611	4.5530
2.600	0.436	25.45	58.16	12.316	4.3467
2.800	0.394	22.97	58.17	11.359	4.5293
3.000	0.354	20.62	59.22	9.359	4.6491
3.200	0.310	18.07	59.52	8.933	4.6456
3.400	0.262	15.29	58.18	8.269	4.4539
3.600	0.219	12.79	58.19	7.478	4.1459
3.800	0.177	10.34	58.19	6.534	3.7115
4.000	0.164	9.58	58.20	5.866	3.8535

RESPONSE SPECTRUM

RECORD # S-669 N-S 1972-03-20-00-58
 STATION # HACHINOHE-S INPUT SIGNAL # GR. ACC.
 SAMPLING INTERVAL = 0.0100 (SEC) CORRECTION # ARC. ERR.
 TIME LENGTH # 20.00 (SEC) SKIPPED LENGTH # 0. (SEC)
 DAMPING COEFFICIENT # 0.100 MAX. GROUND ACC. # 58.32 (GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.224	71.41	45.71	0.438	0.0045
0.100	2.326	135.67	82.79	1.574	0.0342
0.150	2.461	143.56	147.37	3.159	0.0788
0.200	1.871	109.11	111.92	3.095	0.1092
0.250	1.683	98.15	96.59	3.507	0.1521
0.300	1.872	109.16	109.12	4.345	0.2441
0.350	1.246	72.68	100.84	4.443	0.2216
0.400	1.089	63.54	84.47	3.877	0.2535
0.450	1.083	63.19	76.66	4.066	0.3205
0.500	1.102	64.25	64.90	4.144	0.4002
0.550	1.108	64.64	73.23	4.862	0.4853
0.600	0.902	52.62	66.67	5.411	0.4710
0.650	0.683	39.82	60.67	4.625	0.4208
0.700	0.598	34.90	61.49	4.065	0.4245
0.750	0.549	32.00	60.59	4.209	0.4432
0.800	0.488	28.47	58.68	3.928	0.4458
0.850	0.468	27.28	56.31	3.646	0.4816
0.900	0.459	26.79	55.58	3.467	0.5291
0.950	0.422	24.60	55.92	3.770	0.5394
1.000	0.378	22.06	56.19	3.880	0.5390
1.100	0.354	20.64	56.60	3.611	0.6258
1.200	0.346	20.17	56.88	3.446	0.7295
1.300	0.332	19.36	57.09	3.938	0.8154
1.400	0.303	17.67	57.24	4.777	0.8630
1.500	0.339	19.78	57.35	5.259	1.1125
1.600	0.380	22.19	57.44	5.284	1.4019
1.700	0.394	23.00	57.52	5.170	1.6318
1.800	0.399	23.28	57.57	5.625	1.8839
1.900	0.419	24.41	57.62	6.520	2.1854
2.000	0.432	25.19	57.66	7.309	2.5214
2.200	0.454	26.51	57.73	8.394	3.1772
2.400	0.408	23.81	57.78	9.719	3.4121
2.600	0.356	20.74	57.83	10.359	3.4757
2.800	0.337	19.64	57.86	9.826	3.8249
3.000	0.310	18.06	57.89	8.543	3.9734
3.200	0.270	15.77	57.91	7.525	3.9717
3.400	0.235	13.71	57.94	7.275	3.8775
3.600	0.200	11.69	57.96	6.754	3.6909
3.800	0.167	9.77	57.97	6.100	3.4505
4.000	0.156	9.12	57.99	5.392	3.5819

RESPONSE SPECTRUM

RECORD # S-669 E-W 1972-03-20-00-58
 STATION # HACHINOHE-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH # 20.00(SEC) SKIPPED LENGTH # 0. (SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 44.77(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.691	75.70	49.44	0.479	0.0048
0.100	2.274	101.81	97.93	1.457	0.0255
0.150	2.755	123.37	123.27	2.716	0.0702
0.200	2.519	112.77	115.47	3.325	0.1138
0.250	3.775	169.01	147.06	5.958	0.2677
0.300	2.382	106.65	103.98	4.897	0.2421
0.350	1.538	68.87	87.61	4.164	0.2127
0.400	2.273	101.78	117.36	6.850	0.4095
0.450	2.200	98.51	122.07	7.436	0.5016
0.500	1.508	67.52	89.49	6.058	0.4251
0.550	1.037	46.42	71.92	4.602	0.3530
0.600	1.238	55.44	68.56	5.844	0.5027
0.650	0.990	44.31	70.22	5.294	0.4708
0.700	0.593	26.57	64.51	3.586	0.3260
0.750	0.661	29.61	59.09	3.343	0.4197
0.800	0.687	30.77	62.53	4.265	0.4957
0.850	0.690	30.89	67.87	4.394	0.5617
0.900	0.887	39.72	69.43	5.311	0.8087
0.950	0.917	41.07	66.90	6.944	0.9323
1.000	0.808	36.19	62.34	7.426	0.9110
1.100	0.577	25.84	65.90	5.886	0.7840
1.200	0.410	18.35	61.77	4.790	0.6649
1.300	0.363	16.25	54.11	4.695	0.6918
1.400	0.379	16.97	47.00	4.614	0.8354
1.500	0.329	14.75	42.21	4.574	0.8333
1.600	0.325	14.54	40.27	4.534	0.9372
1.700	0.328	14.66	40.09	5.410	1.0660
1.800	0.373	16.72	44.31	6.084	1.3667
1.900	0.405	18.13	49.73	5.686	1.6501
2.000	0.405	18.14	50.93	5.990	1.8143
2.200	0.342	15.30	50.48	5.578	1.8598
2.400	0.258	11.54	52.77	4.968	1.6638
2.600	0.209	9.37	53.21	5.180	1.5979
2.800	0.179	8.00	52.40	4.798	1.5476
3.000	0.183	8.19	50.97	4.440	1.8454
3.200	0.136	6.10	49.37	4.603	1.5720
3.400	0.112	5.01	47.88	4.478	1.4538
3.600	0.087	3.91	46.62	4.376	1.2538
3.800	0.082	3.67	45.64	4.292	1.3156
4.000	0.071	3.18	44.91	4.191	1.2510

RESPONSE SPECTRUM

RECORD # S-669 E-W 1972-03-20-00-58
 STATION # HACHINOHE-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH # 20.00(SEC) SKIPPED LENGTH # 0. (SEC)
 DAMPING COEFFICIENT # 0.100 MAX.GROUND ACC.# 44.77(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.495	66.95	38.19	0.404	0.0042
0.100	1.858	83.19	83.02	1.114	0.0208
0.150	2.099	93.97	93.90	2.142	0.0531
0.200	1.950	87.31	89.07	2.468	0.0874
0.250	2.314	103.63	97.60	3.399	0.1626
0.300	1.802	80.68	77.72	3.577	0.1804
0.350	1.386	62.07	75.25	3.540	0.1893
0.400	1.637	73.29	81.97	4.859	0.2908
0.450	1.559	69.81	92.76	5.223	0.3503
0.500	1.244	55.68	71.14	4.683	0.3451
0.550	1.041	46.62	63.95	4.407	0.3493
0.600	1.009	45.16	57.70	4.543	0.4024
0.650	0.848	37.98	61.30	4.382	0.3954
0.700	0.648	29.03	61.34	3.756	0.3493
0.750	0.570	25.50	59.91	3.399	0.3522
0.800	0.567	25.39	61.23	3.345	0.3993
0.850	0.634	28.40	63.45	3.814	0.5051
0.900	0.696	31.18	64.15	4.759	0.6198
0.950	0.684	30.63	62.79	5.599	0.6789
1.000	0.602	26.96	60.08	5.919	0.6630
1.100	0.442	19.78	57.50	5.155	0.5815
1.200	0.355	15.90	56.33	4.396	0.5648
1.300	0.317	14.17	51.82	4.380	0.5906
1.400	0.283	12.68	47.17	4.331	0.6181
1.500	0.265	11.88	43.74	4.249	0.6603
1.600	0.254	11.35	41.97	4.323	0.7111
1.700	0.248	11.09	41.69	4.636	0.7873
1.800	0.264	11.83	42.50	4.717	0.9603
1.900	0.287	12.84	44.38	4.578	1.1543
2.000	0.284	12.71	45.61	4.888	1.2292
2.200	0.254	11.39	48.68	4.941	1.3366
2.400	0.207	9.26	50.56	4.418	1.2968
2.600	0.180	8.04	51.16	4.315	1.2774
2.800	0.160	7.18	50.80	4.149	1.2936
3.000	0.133	5.96	49.90	4.198	1.2870
3.200	0.104	4.66	48.78	4.232	1.1430
3.400	0.089	3.98	47.68	4.227	1.1365
3.600	0.075	3.35	46.70	4.191	1.0117
3.800	0.073	3.25	45.89	4.131	1.0845
4.000	0.070	3.15	45.26	4.055	1.1724

RECQRD=S-669 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=HACHINOHE-S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.#301 TOTAL NUMBER OF DATA= 3000

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-4.00	-21.26	3.14	-0.90	18.14	1.83	-21.06	-0.08	-10.60	15.22
2	-3.50	-28.72	-2.20	-3.10	18.96	5.92	-23.19	5.34	-0.69	11.54
3	-14.76	-33.92	-4.80	-7.01	15.58	6.28	-20.37	7.24	5.54	3.09
4	-42.37	-34.52	-3.30	-10.24	7.40	5.61	-14.79	4.83	7.74	-7.12
5	-25.97	-27.91	0.43	-14.73	0.26	6.33	-6.50	0.97	5.71	-17.45
6	-0.06	-14.51	6.64	-20.36	-9.35	7.83	-6.83	-4.10	1.18	-26.91
7	12.25	-0.87	12.42	-26.66	-18.10	8.73	6.24	-6.60	-1.60	-35.28
8	35.40	15.61	12.59	-29.45	-18.07	6.62	12.55	-0.89	-41.82	-41.82
9	28.18	27.06	10.37	-28.31	-14.96	3.30	16.84	-4.80	2.53	-45.25
10	15.03	34.59	1.12	-27.23	-9.56	5.10	20.88	-1.60	5.77	-47.50
11	2.67	35.70	-11.86	-29.23	-2.80	-13.82	26.09	1.11	9.44	-46.54
12	-10.24	29.27	-16.36	-30.37	3.25	-19.70	31.09	2.52	12.93	-41.45
13	-32.84	20.96	-21.03	-27.76	7.48	-25.46	36.54	4.36	15.02	-33.46
14	-21.97	7.60	-14.33	-21.89	10.54	-28.42	36.76	8.62	15.07	-23.51
15	1.66	4.49	-18.67	-14.76	13.11	-23.40	32.73	15.28	13.14	-14.82
16	-4.00	9.91	-13.87	-5.40	8.65	-14.13	26.13	22.71	7.65	-17.59
17	-12.70	7.72	-7.59	3.76	4.40	-2.39	18.13	27.72	2.65	-2.90
18	-19.36	1.87	-8.40	23.86	-1.91	7.89	11.45	28.49	-2.10	2.98
19	-26.86	-1.50	2.32	30.27	-7.51	10.80	8.81	23.60	-6.70	10.50
20	-33.91	-4.30	4.33	27.72	-10.14	8.47	12.11	16.85	-8.82	17.14
21	-35.35	-5.90	6.36	21.46	-15.50	1.64	17.69	5.81	-12.77	19.55
22	-34.42	-3.70	9.09	18.17	-22.77	-6.40	21.04	-8.30	-17.17	20.73
23	-25.59	-0.80	11.37	19.08	-30.78	-10.12	19.38	-0.68	-21.80	20.99
24	-2.90	-0.23	10.69	21.01	-39.86	-11.98	14.08	5.83	-26.38	21.60
25	14.32	-8.44	8.38	16.49	-47.20	-10.38	5.81	12.15	-30.70	21.49
26	16.37	-17.33	4.72	12.83	-44.17	-8.00	-3.50	16.37	-31.79	20.87
27	22.70	-28.94	0.19	4.25	-36.25	-7.70	-12.62	19.55	-27.83	16.09
28	34.35	-34.16	-3.80	-5.90	-21.31	-6.70	-20.49	21.13	-20.97	10.34
29	43.75	-29.14	-4.90	-12.23	-14.08	-5.40	-25.14	18.69	-11.44	2.52
30	40.88	-19.04	-4.90	-14.55	-8.78	-4.00	-24.28	12.55	1.68	-6.31
31	25.50	-12.00	4.00	-12.36	-5.40	-2.20	-20.59	5.23	12.48	-13.12
32	-2.81	-11.82	-1.60	-9.69	-2.70	1.21	-13.90	-8.80	-10.05	13.05
33	-19.46	-13.64	2.20	-8.00	2.32	2.61	-4.60	-10.10	15.58	-10.94
34	-33.22	-15.29	2.56	-6.80	5.28	3.92	4.91	-16.24	15.27	-4.60
35	-7.98	-32.61	-1.41	-6.70	9.70	5.62	11.50	-17.48	14.80	1.83
36	-23.23	-3.50	-6.81	-9.02	19.98	8.57	17.18	-14.47	13.88	8.40
37	-2.69	-2.00	-11.21	-13.34	27.86	5.34	19.48	-5.17	11.50	11.02
38	15.52	2.16	-11.87	-15.18	34.73	2.28	16.63	-4.00	7.53	15.47
39	29.99	9.52	-9.98	-10.93	34.80	-0.51	11.72	1.52	-1.71	17.52
40	48.70	17.81	-7.39	-4.00	28.93	-3.50	6.69	4.83	-9.66	18.61
41	54.32	23.56	-3.10	1.00	20.87	-6.30	2.49	6.56	-18.27	18.57
42	50.24	31.91	8.71	0.98	8.41	-7.69	1.31	4.72	-22.38	17.17
43	41.84	39.00	17.80	-2.10	-0.03	-4.80	3.13	0.08	-27.19	13.80
44	26.07	44.02	22.61	-5.10	-9.36	2.54	5.66	-4.90	-27.72	9.60
45	-1.62	43.71	24.72	-6.50	-20.05	7.04	8.42	-6.80	-4.29	7.07
46	-18.69	37.71	23.45	-4.20	-28.69	12.16	8.92	-6.80	-17.66	6.10
47	-22.13	29.58	20.50	-0.48	-35.13	11.15	6.70	-5.60	-9.55	6.42
48	-15.86	22.47	15.74	-30.29	6.120	2.57	4.60	-4.40	-2.29	11.75
49	-11.55	17.33	8.31	12.58	-18.88	-2.41	-0.80	-10.53	8.43	14.12
50	-15.55	12.42	2.57	15.61	-5.00	-13.04	-2.60	-1.403	15.22	10.107

NO.	RECORD=S-669 COMPONENT=N-S										STATION=HACHINOHES	
	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)	TOTAL NUMBER OF DATA= 3000	
1	2.71	-4.30	0.97	14.39	19.27	12.29	-16.30	1.49	2.12	1.88		
2	-6.01	-3.10	-4.50	8.91	14.75	15.80	-13.32	0.51	4.45	0.90		
3	-13.41	0.43	-9.33	3.64	8.98	19.19	-8.97	3.20	7.44	8.80		
4	-19.33	7.10	-14.19	-1.01	3.13	19.76	-3.50	6.00	8.88	8.88		
5	-23.77	14.67	-23.77	-7.21	-18.23	18.34	2.58	8.82	8.32	8.32		
6	-25.79	19.59	-18.87	-9.90	-8.01	14.83	11.00	-12.15	5.72	-8.20		
7	-27.70	21.99	-18.06	-9.79	-11.52	9.04	19.35	-15.88	1.57	-8.20		
8	-29.52	23.35	-14.71	-7.79	-12.99	4.75	24.18	-18.37	-2.60	-8.20		
9	-31.95	20.80	-11.06	-4.60	-12.38	1.89	28.16	-19.83	5.60	-6.20		
10	-34.56	15.38	-7.69	-1.00	-10.87	0.80	30.84	-18.35	7.60	-4.50		
11	-35.49	6.00	-4.50	1.41	-8.38	0.09	31.50	-15.09	7.60	-2.90		
12	-32.72	-2.90	-2.70	3.42	-4.40	1.90	30.13	-11.17	6.70	0.41		
13	-27.59	-10.57	-3.40	9.43	3.03	5.40	27.86	8.89	6.60	2.20		
14	-19.67	-17.87	-3.60	6.93	5.57	-10.13	24.75	7.69	6.80	1.58		
15	-10.12	-19.55	-2.20	8.11	4.24	-14.27	18.66	5.60	6.00	1.11		
16	-0.07	-18.43	0.71	8.48	0.48	-12.91	12.23	3.30	6.00	-4.50		
17	7.98	-14.70	2.28	7.96	-4.50	-7.98	4.42	0.39	2.40	-7.11		
18	10.52	-10.55	0.48	6.52	-8.10	-1.40	-0.71	2.62	5.50	-10.93		
19	10.87	-4.80	-9.20	3.15	-8.90	2.02	-3.60	5.10	5.50	-13.83		
20	10.35	1.54	-9.21	-1.41	-8.60	4.79	-4.60	5.19	7.70	-15.74		
21	11.74	8.49	-11.47	-5.50	-8.00	4.16	-5.20	4.58	4.58	-16.70		
22	16.32	17.00	-8.88	-8.71	-8.00	1.28	-6.40	3.30	6.20	-16.80		
23	19.83	16.70	-4.80	-10.82	-8.10	-2.50	-9.72	2.91	4.00	-13.62		
24	21.03	16.58	-0.79	-13.13	-7.59	-6.90	-12.52	3.54	4.50	-9.67		
25	17.45	11.11	3.11	-14.64	-5.40	-7.31	-14.00	6.42	4.50	-5.30		
26	12.13	5.35	3.99	-16.31	-3.80	-10.21	-13.77	7.25	7.11	-0.48		
27	7.41	-2.60	2.98	-16.57	-1.19	-11.19	-12.27	5.30	-10.22	5.27		
28	4.28	-10.68	0.68	-19.67	2.12	-10.59	-10.38	0.22	-12.82	9.12		
29	2.59	-8.98	-2.90	-11.67	4.52	-9.50	-6.69	0.22	-13.92	5.27		
30	1.31	-5.60	7.01	-8.58	5.91	-8.50	-4.60	0.21	-10.06	12.28		
31	3.76	-0.49	-10.73	-5.20	6.28	-8.38	-1.60	0.21	4.80	13.65		
32	8.67	2.93	-14.35	-1.50	5.48	-8.38	2.12	-10.59	-0.69	14.24		
33	13.50	6.34	-16.37	1.31	4.28	-0.90	2.12	3.80	9.22	11.55		
34	16.24	8.20	-15.32	2.72	2.79	0.60	8.11	4.75	9.22	11.55		
35	15.43	8.28	-12.35	4.73	1.29	-0.31	14.68	0.21	12.33	8.71		
36	13.36	7.56	-8.88	6.59	-0.31	3.00	15.68	3.72	14.33	6.15		
37	11.47	6.26	-5.60	10.38	-3.10	3.00	15.09	5.13	14.53	4.08		
38	12.98	4.37	-2.00	12.18	-3.10	4.50	17.45	6.95	14.19	2.70		
39	16.15	2.58	0.91	11.68	-7.61	-5.80	17.84	8.94	12.57	1.19		
40	20.31	0.49	3.73	9.35	-11.72	6.70	17.19	10.00	10.29	0.20		
41	23.62	-0.90	5.73	5.64	-13.18	-7.30	15.72	9.85	7.75	0.20		
42	21.83	-0.90	7.01	2.77	-13.18	-7.20	10.24	8.67	6.17	1.11		
43	16.82	-0.19	7.49	-0.30	-12.17	-7.60	6.76	7.67	4.79	3.77		
44	9.66	2.53	7.32	-1.70	-10.25	-7.10	5.09	6.54	4.11	9.11		
45	3.72	6.07	8.06	-0.19	-4.60	-5.60	4.30	4.17	5.12	12.14		
46	-2.30	9.23	9.95	2.84	-0.99	-3.90	4.31	1.88	6.13	12.78		
47	-6.70	10.02	13.53	6.73	3.13	-2.50	5.22	0.150	7.43	10.58		
48	-7.00	10.46	17.07	6.73	6.23	-4.00	6.10	2.00	8.39	3.93		
49	-5.80	9.39	19.41	16.55	8.84	-7.21	5.97	2.40	8.04	3.41		
50	-4.00	6.56	17.48	20.06	10.09	-10.24	4.67	1.60	5.96	5.60		
						-14.84	2.89	0.11	4.26	1.20		

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-6.00	0.79	11.41	2.20	-15.01	1.20	-3.60	7.70	7.29	-3.40
2	-8.50	-1.50	9.63	2.60	-15.36	1.60	-4.40	7.60	10.67	-2.50
3	-8.69	-3.20	7.86	2.78	-13.94	1.70	-5.30	6.30	12.07	-0.89
4	-7.49	-4.50	6.86	1.09	-11.06	1.80	-6.10	6.90	11.43	1.71
5	-3.70	-6.20	6.29	-7.00	-0.80	0.70	-6.40	4.20	10.01	3.72
6	0.92	-7.80	5.90	-1.90	-4.70	0.80	-5.00	3.60	7.92	5.41
7	4.73	-8.91	5.69	-2.10	-3.00	0.90	-3.50	2.60	5.17	6.09
8	6.70	-10.00	5.39	-1.20	-1.50	1.70	-0.90	2.60	3.59	5.89
9	6.79	-10.00	4.97	-1.00	1.01	2.09	0.50	2.80	2.90	5.29
10	6.38	-9.39	3.48	-2.90	3.03	1.19	0.50	2.20	2.69	4.60
11	5.45	-7.29	1.48	-4.10	5.45	-0.40	0.10	4.10	1.99	4.30
12	2.88	-3.80	-1.20	-4.80	8.05	-1.20	0.20	1.11	0.70	4.31
13	0.50	1.32	-3.70	-3.60	9.55	-1.60	1.00	2.61	-0.00	4.31
14	-0.60	4.95	-2.70	-1.90	10.79	-0.90	1.91	4.12	-0.00	5.31
15	-0.09	7.73	-7.30	0.00	10.46	0.10	3.01	5.63	-1.50	5.70
16	1.51	8.57	-8.10	1.31	9.47	0.80	4.23	7.00	-0.30	5.59
17	3.49	7.75	-8.60	2.20	8.78	0.50	6.06	6.97	-0.00	5.51
18	2.56	5.97	-9.20	2.60	8.28	0.50	8.69	5.89	-0.90	6.01
19	-1.30	4.37	-9.40	2.60	7.80	0.51	8.28	5.41	-2.20	6.51
20	-2.80	2.27	-9.80	2.59	7.83	2.73	7.79	6.02	-3.60	6.70
21	-3.00	-1.01	-10.12	1.80	6.76	5.65	7.30	6.92	-4.60	6.48
22	-2.60	-4.30	-12.24	1.31	10.58	8.04	7.21	7.70	-4.00	5.89
23	-2.40	-7.70	-15.07	2.21	12.32	9.24	7.56	7.65	-2.90	4.99
24	-3.30	-9.20	-17.55	3.75	12.72	10.35	6.99	6.08	-0.80	4.20
25	-5.50	-8.69	-18.70	5.73	11.28	11.42	6.66	5.36	0.80	4.09
26	-6.90	-7.60	-18.62	7.44	8.90	11.64	5.16	3.28	1.10	3.29
27	-6.90	-6.70	-16.90	8.95	6.26	10.42	2.67	1.90	0.60	2.59
28	-6.70	-5.20	-14.21	10.34	4.37	8.49	-0.91	1.60	0.50	3.29
29	-5.80	-4.00	-10.07	11.13	2.99	5.33	-5.40	2.31	0.10	-0.60
30	-4.10	-3.00	-6.20	11.72	1.69	1.68	-7.00	3.52	-0.30	-1.40
31	-2.10	-1.80	-2.20	12.01	0.39	-1.40	-8.10	5.22	-1.30	-2.00
32	0.11	-0.80	1.22	12.08	-1.11	-3.70	-8.10	6.32	-2.00	-2.50
33	2.11	-1.90	4.48	11.77	-3.90	-5.00	-7.30	7.21	-2.70	-2.50
34	3.21	-3.50	9.71	11.33	-6.81	-6.20	-6.10	7.40	-2.40	-3.20
35	4.11	-6.20	12.43	11.89	-9.82	-8.10	-4.30	7.38	-3.20	-3.60
36	5.02	-7.80	12.89	12.91	-12.71	-9.01	-2.30	6.78	-4.00	-4.00
37	6.11	-8.90	11.10	12.87	-12.89	-10.51	-0.30	5.96	-5.00	-3.90
38	6.40	-8.99	9.14	9.21	-12.28	-11.69	0.60	4.07	-5.10	-4.60
39	6.32	-7.80	7.37	4.14	-11.18	-11.09	0.60	1.79	-3.80	-5.40
40	7.02	-6.30	6.39	-0.02	-9.19	-10.39	0.40	0.31	-2.60	-5.70
41	7.71	-4.50	6.33	-4.50	-7.59	-9.80	0.30	3.20	-1.80	-4.30
42	8.08	-2.90	7.45	-7.20	-4.80	-9.80	1.51	2.50	-2.80	-4.00
43	7.56	-1.70	9.34	-9.01	-2.60	-10.00	3.83	2.61	-3.60	-0.09
44	6.28	-0.20	10.32	-10.10	-1.10	-9.49	6.33	2.60	-3.60	2.61
45	5.39	1.11	10.69	-9.80	-1.00	-8.50	7.67	2.60	-4.00	3.79
46	4.81	2.73	8.31	-9.50	-1.60	-8.00	6.48	3.60	-4.70	3.39
47	5.31	5.36	5.55	-8.90	-2.30	-7.60	1.27	3.60	-2.70	2.90
48	5.58	8.80	2.88	-9.21	-2.30	-6.70	-3.60	1.71	-1.60	2.80
49	4.77	11.56	0.90	-11.32	-0.50	-5.30	-5.20	3.32	-2.10	2.88
50	2.78	12.63	1.31	-13.33	0.30	-4.00	-6.60	4.74	-3.00	1.09

RECORD#S-669 COMPONENT#N-S SIGNAL#GR.ACC. CORRECTION#ZERO.ARC STATION#HACHINOHE-S
 DATE AND TIME#1972-03-20-00-58 SAMPLING INTERVAL# 0.010(SEC) FORMAT NO.#301 TOTAL NUMBER OF DATA# 3000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-1.50	5.98	-11.60	9.05	-3.60	1.09	1.00	1.20	2.20	-2.00
2	-4.90	4.97	-11.60	10.56	-1.10	-0.60	1.50	1.40	2.09	-2.50
3	-8.41	3.08	-11.49	11.97	0.80	-2.00	1.20	2.00	1.29	-3.10
4	-9.70	0.88	-10.79	13.13	1.10	-2.90	1.89	2.20	0.40	-3.30
5	-10.59	-2.10	-9.79	13.51	0.60	-3.30	1.89	2.20	0.20	-2.50
6	-8.79	-3.90	-8.09	13.71	0.50	-3.30	-0.50	3.21	-0.20	-1.20
7	-7.40	-4.50	-6.59	13.71	-0.50	-3.30	0.30	3.70	-0.30	-0.30
8	-6.30	-5.00	-5.89	12.44	0.30	-3.30	1.11	3.71	-0.30	0.80
9	-5.40	-4.20	-5.13	11.33	1.10	-1.40	2.00	4.30	-1.40	2.51
10	-4.80	-3.30	-4.62	9.93	1.50	-1.92	2.61	4.60	-2.40	3.52
11	-4.20	-2.50	-4.20	8.29	0.60	4.11	3.21	4.90	-3.10	5.34
12	-3.60	-1.50	-3.60	5.07	0.50	4.69	3.71	4.90	-3.50	7.40
13	-4.10	-1.20	-4.10	3.18	0.10	4.28	4.60	4.90	-3.50	7.38
14	-4.40	-1.20	-4.40	1.09	0.10	2.78	4.60	4.89	1.61	6.69
15	-3.80	-0.30	-3.80	0.10	0.50	0.59	4.57	4.49	3.01	6.18
16	-2.90	0.30	-2.90	0.40	0.60	-0.60	2.98	4.07	3.71	5.39
17	-2.20	0.70	-2.20	0.70	0.70	-1.30	1.09	2.07	4.21	4.91
18	-2.10	1.40	-2.10	-4.50	0.90	0.21	-1.20	1.70	4.71	5.19
19	-3.10	1.90	-3.10	-7.30	1.71	2.51	-3.20	5.70	5.31	4.67
20	-3.90	2.39	-3.90	-5.10	2.49	3.41	-2.30	5.70	6.01	2.79
21	-4.00	1.59	-4.00	-5.10	1.69	4.21	-2.30	-10.20	6.71	1.29
22	-2.60	0.29	-2.60	-0.60	0.79	5.10	-0.60	-10.19	7.28	0.20
23	-1.00	-1.80	-1.00	-0.60	-0.50	5.09	-2.20	-9.19	6.67	-0.90
24	0.20	-4.00	0.20	1.41	-1.90	4.39	-2.60	-7.99	5.26	0.71
25	1.20	-4.00	1.20	2.61	-2.70	3.38	-2.60	5.80	3.29	2.42
26	1.50	-5.60	1.50	3.40	-3.60	1.98	-1.40	4.40	2.28	4.62
27	1.00	-4.60	1.00	3.11	-3.40	0.31	-3.40	3.40	-0.11	5.92
28	1.71	-3.20	1.71	4.11	-3.40	-1.50	1.71	2.90	4.00	6.72
29	2.60	-2.90	2.60	5.12	-2.60	-2.00	2.51	-2.00	5.40	7.63
30	2.60	-2.90	2.60	6.52	-2.20	-1.50	3.10	1.20	-6.40	5.27
31	2.20	-3.80	2.20	7.21	-1.50	-0.90	3.50	0.21	-6.50	3.38
32	1.60	-4.30	1.60	7.98	-1.30	0.10	3.70	1.91	-4.60	1.50
33	1.51	-4.30	1.51	6.47	-1.20	0.50	3.70	3.30	-4.30	0.80
34	2.32	-4.70	2.32	5.08	-0.90	1.61	3.59	3.30	-3.68	0.60
35	2.34	-3.50	2.34	3.99	-1.70	2.41	2.59	2.90	-4.70	0.80
36	7.66	-1.40	6.60	3.49	-1.50	3.21	1.80	2.61	-6.40	0.30
37	9.71	0.20	1.60	2.80	-1.00	3.80	1.90	3.21	-7.30	0.30
38	10.00	1.00	1.59	2.39	-0.90	3.78	1.90	4.22	-8.39	-0.30
39	9.98	1.60	0.79	1.47	-0.80	2.58	2.20	5.90	-6.70	-0.30
40	9.36	1.70	-0.41	-2.60	-2.50	0.09	2.29	5.89	-4.90	0.20
41	8.28	1.60	-2.40	-3.90	-3.40	-3.60	1.59	5.28	-3.70	0.60
42	7.57	1.60	-6.00	-4.50	-4.80	-6.10	0.80	4.37	-3.60	0.60
43	6.68	1.59	-7.20	-5.20	-6.50	-8.11	0.40	2.58	-3.70	0.10
44	5.69	0.20	-7.70	-4.00	-4.70	-9.70	0.10	0.60	-3.70	-0.30
45	5.19	-1.10	-7.00	-4.00	-2.10	-9.88	-0.40	0.40	-3.70	-0.70
46	4.90	-2.50	-5.60	-3.50	-2.22	-7.66	-0.80	-0.50	-3.30	-1.20
47	5.02	-5.10	-2.00	-3.90	4.50	-4.00	-1.00	0.20	-2.50	0.00
48	7.91	-7.91	-0.29	-4.50	4.69	-4.00	1.00	0.90	-2.40	0.70
49	6.61	-10.21	2.02	-5.30	3.88	-0.40	-0.50	1.60	-1.90	1.31
50	7.07	-11.70	5.07	-4.60	2.68	0.50	0.40	2.20	-1.60	2.60

NO.	COMPONENTIN-S					SIGNALGR,ACC. CORRECTION=ZERO,ARC FORMAT NO,R301	STATION#HACHINOME-S				
	(2000)	(2050)	(2100)	(2150)	(2200)		(2250)	(2300)	(2350)	(2400)	(2450)
1	2.60	-0.80	0.91	0.30	-3.20	3.80	1.20	4.20	0.00	0.00	
2	2.20	-0.80	2.31	0.40	-2.00	3.79	1.40	3.50	0.00	0.00	
3	1.70	-1.20	3.00	1.41	-1.30	2.79	1.59	2.70	0.00	0.00	
4	1.70	-1.60	2.90	2.71	-0.90	1.40	-0.50	2.30	0.20	0.20	
5	2.20	-2.40	3.00	3.71	-0.90	1.40	-1.70	1.60	0.40	0.40	
6	2.50	-2.80	2.89	4.61	-0.40	1.00	-2.90	1.10	0.80	0.80	
7	2.50	-3.10	2.09	5.40	-0.71	1.00	-4.60	0.50	0.90	0.90	
8	2.50	-3.30	1.39	5.58	-3.30	1.00	-5.70	1.41	0.90	0.90	
9	2.10	-3.60	0.20	4.58	-4.50	1.90	-5.70	3.21	1.30	1.30	
10	1.49	-3.80	-0.80	3.60	-5.40	2.50	-4.90	3.91	1.30	1.30	
11	0.40	-1.90	1.20	3.30	-5.40	2.69	-2.80	3.50	0.90	0.90	
12	-0.60	1.52	1.20	2.89	-4.70	1.49	-2.80	3.90	0.90	0.90	
13	-1.40	4.74	-0.20	2.29	-3.90	0.61	-0.90	5.70	4.20	4.20	
14	-2.10	6.93	0.50	1.70	-2.60	-0.60	0.61	5.70	4.20	4.20	
15	-2.10	8.20	1.31	1.10	-1.20	-2.30	2.22	5.48	4.20	4.20	
16	-1.90	8.17	2.62	0.40	-0.50	-3.60	4.21	4.17	4.60	4.60	
17	-1.80	7.37	4.31	-0.10	-0.80	-2.70	5.10	1.89	5.20	5.20	
18	-1.60	6.16	5.32	0.10	0.10	-2.70	5.08	0.39	6.00	6.00	
19	-1.20	4.28	6.20	-2.30	0.30	-1.20	4.19	2.10	4.90	4.90	
20	-1.00	2.89	6.28	0.60	0.71	0.71	3.19	4.00	3.40	3.40	
21	-1.00	2.29	5.36	0.60	0.60	2.01	2.70	3.50	-0.69	-0.69	
22	-1.00	1.60	2.99	1.30	1.30	2.91	2.60	3.50	0.30	0.30	
23	-1.90	2.00	1.69	1.60	1.60	3.71	2.60	3.80	3.32	3.32	
24	-3.30	2.50	0.69	2.10	2.10	4.11	2.60	3.80	4.92	4.92	
25	-5.40	2.91	-0.90	2.09	2.09	4.81	2.60	3.50	6.03	6.03	
26	-7.80	3.50	1.00	-2.10	2.09	5.41	2.79	1.50	7.40	7.40	
27	-8.80	3.39	-0.60	0.10	1.50	6.01	1.68	0.30	7.40	7.40	
28	-8.10	2.78	0.10	0.50	0.70	6.71	-0.70	0.60	7.37	7.37	
29	-7.10	1.10	0.10	1.40	0.50	7.42	0.60	0.60	6.36	6.36	
30	-6.60	0.50	0.10	1.50	0.50	7.80	-2.40	0.70	4.68	4.68	
31	-6.40	-0.50	0.10	1.50	0.50	7.76	-2.40	0.70	3.50	3.50	
32	-3.60	-0.50	-0.50	1.00	0.50	6.57	-2.30	0.00	3.61	3.61	
33	-0.70	-0.50	-0.90	0.30	0.80	5.16	-2.40	0.20	4.32	4.32	
34	0.10	-0.90	-1.50	-0.50	1.30	2.98	-1.90	0.80	5.41	5.41	
35	0.90	-0.90	-1.50	-1.10	1.30	0.89	-1.70	1.80	6.00	6.00	
36	1.40	-0.90	-1.60	-1.70	1.50	-1.40	-1.20	1.99	5.98	5.98	
37	2.20	0.10	-0.10	-2.10	1.90	-1.40	-0.80	1.99	4.98	4.98	
38	2.81	0.10	1.31	-1.90	2.00	-2.00	-0.70	0.30	3.78	3.78	
39	3.70	0.40	2.61	-1.90	1.99	-2.10	-0.90	0.30	2.19	2.19	
40	3.97	0.80	3.81	-1.60	1.09	-2.00	-0.90	0.80	0.70	0.70	
41	1.79	0.80	4.30	-1.20	-0.50	-2.00	-0.40	1.30	1.20	1.20	
42	-0.21	1.20	4.08	-1.20	-2.00	-1.00	-0.40	1.90	1.21	1.21	
43	-2.30	1.20	4.08	-1.20	-3.70	-0.20	0.50	1.90	2.61	2.61	
44	-3.30	0.50	0.39	-0.90	-4.80	0.10	1.00	2.50	3.60	3.60	
45	-3.90	-0.01	-1.20	-0.50	-5.70	0.50	2.21	2.50	3.80	3.80	
46	-3.30	-1.80	-2.70	-0.20	-3.00	1.10	3.00	2.50	3.80	3.80	
47	-3.10	-2.60	-3.80	0.40	0.81	1.10	2.98	2.50	3.80	3.80	
48	-2.30	-3.60	-4.30	0.59	3.11	1.00	1.39	1.90	3.94	3.94	
49	-1.50	-2.90	-3.50	-0.70	3.80	0.50	-0.90	1.10	4.50	4.50	
50	-0.80	-0.80	-1.60	-1.80	3.80	0.80	-3.60	0.00	4.58	4.58	
									3.16	3.16	

RECORDS-669 COMPONENT=N-S SIGNAL=RR,ACC. CORRECTION=ZERO,ARC STATION#HACHINOME-S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL# 0.010(SEC) FORMAT NO.#304 TOTAL NUMBER OF DATA# 3000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-1.70	-5.80	0.10	-0.50	-1.60	1.20	2.19	1.20	2.30	0.10
2	-2.80	-4.00	0.11	-1.10	-0.90	1.60	0.89	1.20	2.69	0.30
3	-0.80	-2.50	1.61	0.10	-0.30	1.80	-0.40	1.20	1.39	0.20
4	-4.70	-1.30	3.03	1.40	0.10	1.80	1.50	3.50	0.40	-0.50
5	-5.40	-0.20	5.73	2.21	-0.80	1.80	-2.50	4.30	0.30	-0.50
6	-6.50	-0.20	7.43	3.20	2.10	1.80	-3.50	5.00	0.10	-1.50
7	-7.00	0.00	8.40	3.59	-3.20	1.80	-3.50	5.00	0.70	-1.20
8	-7.00	0.70	8.37	2.69	-4.10	1.80	-1.90	4.20	0.70	-1.20
9	-5.20	0.70	7.40	1.59	-5.40	1.80	-0.30	3.00	1.40	-0.00
10	-4.00	0.70	7.28	0.30	-6.30	1.80	0.80	1.30	1.40	-0.00
11	-3.20	0.70	6.68	-0.50	-6.30	1.80	0.80	1.30	1.20	0.50
12	-1.60	0.70	5.99	-1.10	-6.30	1.90	1.51	0.50	1.20	-1.20
13	0.90	-0.10	5.28	-1.30	-6.30	1.50	2.60	0.50	1.70	-1.80
14	1.51	-1.00	4.07	-1.30	-6.40	1.50	2.60	0.50	2.31	-1.80
15	2.30	-1.70	1.69	-1.30	-6.30	1.50	2.59	0.50	3.11	-2.90
16	2.60	-0.40	0.40	0.20	-6.30	1.50	2.59	0.50	3.60	-2.80
17	2.91	0.20	-1.70	1.20	-6.30	1.50	1.69	0.50	3.49	-2.80
18	4.12	1.00	-2.90	1.51	-6.40	2.30	0.30	0.10	2.98	-2.90
19	5.72	0.90	-1.50	2.40	-6.40	2.60	0.30	0.10	1.18	-2.60
20	6.72	0.40	0.50	2.29	-6.40	3.01	0.30	0.10	1.70	-2.00
21	7.72	-0.40	0.30	0.90	-5.80	3.60	-0.80	0.50	2.60	-0.60
22	8.44	-1.10	0.60	0.50	-5.10	3.70	-1.90	1.10	2.70	0.50
23	6.74	-1.10	0.60	-0.40	-4.10	3.60	-3.00	1.40	2.50	0.61
24	4.28	-1.40	0.90	-0.50	-2.70	3.79	-3.80	1.50	2.20	2.71
25	3.18	-0.40	0.90	-0.30	-2.70	3.99	-3.80	1.70	1.80	3.39
26	1.29	0.30	0.90	0.10	-2.50	2.49	-1.80	2.20	1.80	3.39
27	0.10	0.90	1.00	0.10	-2.50	2.49	-1.20	2.61	2.20	2.69
28	-0.50	0.90	0.50	0.50	-2.50	1.60	-0.10	3.41	2.60	2.00
29	-0.40	0.90	0.50	0.50	-0.49	1.20	0.30	3.41	3.10	2.40
30	-0.00	0.90	0.30	-0.50	1.51	1.20	0.50	3.19	3.00	1.89
31	-0.00	1.20	-0.10	-1.10	4.70	1.89	0.70	2.30	1.90	0.59
32	-0.00	1.20	-0.00	-1.80	4.70	1.89	0.70	1.80	1.80	-1.10
33	-0.50	1.20	-0.10	-1.80	4.67	-0.89	0.70	1.40	0.00	-2.60
34	-0.50	1.20	0.10	-1.80	3.07	-0.20	0.60	2.00	0.60	-3.90
35	-0.50	1.20	0.30	-1.80	3.07	1.70	1.20	2.10	1.40	4.80
36	-1.00	2.30	0.60	-1.60	-0.90	-2.70	1.20	2.10	1.60	5.10
37	-1.90	2.30	1.00	-2.40	-1.80	-3.50	0.90	1.59	1.40	-4.70
38	-2.00	2.40	0.99	2.41	-1.80	-2.40	1.00	1.59	0.90	-3.90
39	-1.90	2.40	0.50	3.60	-1.20	-1.90	1.30	0.10	0.50	-1.70
40	-2.50	2.40	-0.50	3.60	-0.80	0.41	1.70	0.10	0.40	0.20
41	-3.30	2.40	-1.40	3.70	-0.40	1.31	2.20	0.10	0.50	1.51
42	-4.60	2.39	-2.00	3.60	-0.80	2.50	2.50	0.10	0.80	2.19
43	-4.60	1.50	-0.10	3.60	-0.00	2.20	2.20	0.10	1.20	1.00
44	-4.30	1.00	1.41	3.60	-0.00	3.31	2.29	0.10	1.20	1.00
45	-3.80	0.50	2.30	3.69	-0.00	4.62	1.00	0.40	0.90	0.50
46	-3.50	0.50	2.60	2.99	-0.00	5.41	0.30	0.60	0.50	0.50
47	-4.00	1.20	2.59	1.89	-0.40	6.10	-0.10	0.80	0.30	1.51
48	-5.00	1.19	1.99	0.49	-0.60	6.09	-0.90	1.00	-0.20	2.61
49	-6.00	0.10	0.90	-0.90	-0.90	4.48	-0.90	1.30	-0.40	4.90
50	-5.90	0.10	0.40	-1.90	0.20	3.29	-0.90	1.70	0.00	4.60

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	7.63	-12.18	36.14	2.19	10.35	1.90	-1.80	3.79	43.97	15.64
2	10.04	-11.62	30.97	-4.94	12.66	-3.22	-2.00	-0.90	44.77	14.47
3	-5.47	-12.47	16.67	-13.50	14.37	-11.50	-1.80	-4.61	42.22	11.73
4	-29.81	-14.66	5.44	-18.69	13.74	-15.07	-2.50	-6.59	35.23	9.24
5	-31.03	-15.80	-4.43	-25.64	12.23	-16.47	-3.70	-6.01	23.85	6.08
6	-22.11	-15.73	-12.32	-24.64	10.15	-15.94	-3.70	-7.03	14.01	3.29
7	3.87	-14.43	-22.26	-24.06	6.76	-14.83	-3.40	-10.07	7.42	-0.60
8	28.67	-12.72	-27.72	-22.89	2.40	-13.43	-1.90	-13.17	0.90	-10.09
9	33.14	-7.28	-27.07	-20.99	0.80	-14.27	-0.90	-15.11	-4.82	-14.55
10	5.89	17.14	-25.52	-17.76	-0.90	-15.95	-1.60	-15.10	-9.09	-19.98
11	-8.20	21.00	-23.23	-9.96	-1.80	-18.72	-2.30	-15.09	-8.59	-33.29
12	-15.37	24.32	-17.99	5.21	-2.10	-21.47	-2.30	-14.77	-7.99	-23.50
13	-26.18	26.46	-6.13	6.89	-2.30	-22.10	-0.20	-14.16	-7.20	-23.42
14	-28.11	20.17	2.70	6.18	-2.30	-22.05	3.13	-12.80	-7.21	-24.73
15	-22.69	0.10	3.20	4.30	-2.00	-21.44	15.17	-4.99	-8.36	-23.14
16	3.60	-11.12	2.00	3.90	-0.90	-19.72	18.38	5.69	-12.43	-19.14
17	3.90	-20.06	1.00	4.41	0.20	-16.33	18.02	4.09	-16.27	-13.51
18	3.41	-29.96	-1.00	6.03	4.14	-11.10	16.76	2.20	-17.48	-14.06
19	6.56	-32.63	-3.60	9.62	14.74	12.29	14.34	1.20	-17.43	-13.09
20	12.85	-26.89	-2.00	15.44	27.61	27.73	10.86	1.80	-16.02	-10.11
21	16.55	-19.92	-5.40	17.80	28.13	35.59	9.39	2.81	-14.54	-1.10
22	9.25	-9.26	-4.60	14.79	24.88	38.39	8.91	6.30	-13.34	4.86
23	1.50	8.01	-4.60	6.48	21.84	36.26	9.69	6.69	-11.71	19.28
24	2.20	29.00	-4.09	0.90	19.40	29.67	9.06	5.77	-11.87	23.51
25	2.40	29.77	-2.70	-3.51	18.14	15.33	6.64	1.79	-10.95	23.58
26	0.10	22.16	0.00	-8.47	17.32	6.93	0.10	7.17	-10.16	23.56
27	-0.80	12.39	7.27	-13.18	15.93	0.70	-5.54	-13.57	-7.06	21.50
28	0.20	3.28	4.49	-15.25	12.77	-6.75	-11.92	-20.43	-3.19	19.68
29	2.92	-6.89	2.20	-16.20	6.35	11.75	-15.78	-27.11	3.52	18.09
30	11.58	-15.84	-0.90	-16.18	0.50	-13.38	-19.03	-27.02	10.14	15.13
31	17.62	-22.08	-2.71	-15.86	-2.30	-12.97	-20.70	-26.36	16.10	11.75
32	18.93	-24.50	-8.67	-15.07	-3.30	-12.19	-21.73	-24.76	17.97	8.54
33	14.14	-24.36	-12.82	-14.45	-2.50	-11.79	-22.00	-22.48	16.08	0.90
34	6.06	-22.92	-16.21	-13.25	-1.30	-11.28	-21.96	-16.26	13.95	-4.63
35	0.40	-17.74	-16.37	-9.34	-3.42	-10.69	-21.50	-10.55	10.11	-10.89
36	-4.00	-0.30	-15.75	-0.80	-12.20	-9.28	-20.44	-3.70	6.48	-14.45
37	-4.80	-0.10	-14.84	14.84	-15.28	-9.57	-18.59	-2.00	3.90	-15.60
38	-4.50	-1.20	-13.53	17.59	-18.71	-8.17	-15.67	-2.20	2.50	-15.57
39	-3.40	-3.81	-11.62	17.42	-18.84	-6.08	-9.63	-1.60	2.20	-15.03
40	-2.00	-5.82	-9.00	16.12	-17.77	-5.49	-1.50	-0.30	2.20	-13.54
41	1.81	-9.20	-3.28	14.63	-13.21	0.20	2.61	1.10	2.80	-12.00
42	11.73	-9.18	4.17	13.07	-10.70	5.41	8.06	7.48	4.01	-8.75
43	12.38	-7.97	21.57	-6.71	7.39	7.39	12.74	14.80	5.71	-5.77
44	5.86	-5.48	22.10	10.35	2.11	6.88	16.92	25.12	7.82	-2.00
45	0.80	-1.79	23.15	8.26	7.73	5.39	20.27	27.34	9.61	2.20
46	-3.11	10.03	24.10	5.39	10.40	4.20	19.95	28.39	10.23	6.23
47	-9.36	31.83	22.13	3.80	10.58	3.60	19.30	30.27	11.74	9.97
48	-12.71	32.59	17.01	4.40	9.56	3.20	17.94	32.99	13.17	13.16
49	-12.99	33.84	12.56	5.51	7.56	1.90	15.64	36.57	11.89	15.06
50	-12.78	35.15	8.40	7.23	4.69	-0.40	12.50	40.43	16.17	18.14

RECORD=S-669 COMPONENT=E-H SIGNAL=RGR.ACC. CORRECTION=ARC.ERR. STATION=HACHINOHE-S
 DATE AND TIME=1972-03-20-00-50 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=P01 TOTAL NUMBER OF DATA= 5000

RECORD=S-662 COMPONENT=E-H SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION#HACHINOHE=S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.#301 TOTAL NUMBER OF DATA= 3000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	3.99	0.00	34.63	18.82	1.80	28.96	4.61	16.28	6.99	-9.00
2	1.20	0.10	33.78	20.31	4.21	32.92	5.80	19.43	6.09	-8.99
3	-0.20	-0.60	28.84	20.31	6.52	32.50	5.29	21.95	5.49	-8.58
4	0.20	1.30	22.72	19.20	8.83	30.18	3.59	21.33	3.19	-7.29
5	-0.20	-1.40	16.17	16.59	10.62	26.95	1.30	18.55	0.80	-6.40
6	-0.20	0.70	10.42	11.51	11.46	26.01	-0.50	16.51	-0.80	-6.91
7	0.30	2.60	2.99	4.99	10.02	19.73	-1.00	11.57	-2.80	-7.40
8	1.70	5.32	-3.42	3.20	2.00	16.57	-0.10	3.98	-4.40	-7.80
9	2.90	8.48	-10.67	2.20	-2.41	12.67	1.00	4.50	-5.50	-7.99
10	4.30	6.19	-13.44	2.40	-8.64	8.79	4.93	5.81	-5.20	-7.49
11	5.20	4.69	-14.50	3.11	-10.94	2.49	10.18	7.10	-4.39	-6.79
12	4.69	4.49	-14.49	5.50	-12.39	-2.91	14.03	7.20	-2.99	-6.09
13	3.29	2.20	-14.16	9.99	-12.17	-7.83	19.32	7.20	0.10	-4.39
14	1.10	1.80	-13.14	5.18	-11.38	-10.23	19.30	6.79	2.60	-2.00
15	-1.00	2.00	-11.61	2.40	-10.58	-11.40	16.80	5.59	3.30	0.70
16	-1.40	2.30	-8.35	0.10	-9.77	-11.40	13.97	4.29	3.90	4.61
17	-1.00	3.80	-1.10	-2.20	-8.38	-11.40	10.34	2.00	4.80	7.32
18	0.20	4.30	3.40	-2.50	-7.08	-11.40	7.86	0.20	5.10	8.80
19	-0.50	4.70	1.50	-3.20	-4.97	-11.40	4.89	2.81	4.59	8.89
20	-0.90	4.20	-1.20	-4.61	0.10	-11.40	2.80	5.91	3.10	8.50
21	-0.50	3.80	-4.00	-6.83	6.44	-11.28	1.00	6.89	2.10	8.19
22	0.50	3.00	-4.00	-10.07	11.16	-10.59	-1.00	6.39	2.10	8.19
23	2.00	3.50	-5.29	-13.24	13.43	-9.99	-2.00	5.49	1.80	5.38
24	2.90	4.91	-4.39	-14.40	14.03	-9.59	-2.70	4.09	2.40	2.20
25	3.00	6.10	-4.00	-14.38	12.27	-9.08	-2.40	2.00	0.40	-0.20
26	2.50	5.49	12.10	-13.97	8.31	-6.17	-2.30	1.80	2.00	-1.20
27	1.10	4.09	15.13	-13.17	2.20	-6.27	-2.60	2.50	-5.40	-1.70
28	-0.20	2.50	13.73	-12.36	-0.90	-3.29	-2.60	3.10	-6.10	-2.10
29	-3.11	0.80	11.95	-11.26	-4.71	-0.30	-2.20	2.00	-5.80	-3.41
30	-6.32	0.60	10.48	-9.66	-6.91	4.52	-1.30	0.80	-5.39	-5.51
31	-8.52	1.10	9.77	-7.45	-8.00	9.86	-0.40	4.01	-4.39	-7.51
32	-9.82	2.30	8.38	-5.39	-7.90	12.96	0.60	5.51	-2.10	-8.61
33	-10.60	5.20	6.77	-3.30	-7.89	14.57	1.40	6.30	-2.10	-9.10
34	-10.60	4.69	4.09	-2.00	-7.50	13.79	0.70	5.80	-1.60	-9.30
35	-10.59	2.20	1.10	-3.00	-7.18	11.20	-0.60	5.29	-1.70	-9.29
36	-10.28	0.20	-1.20	-5.11	-5.19	7.85	-1.30	4.40	-2.20	-8.98
37	-9.59	-3.00	-5.01	-7.20	-3.09	3.29	-1.50	3.40	-2.40	-8.97
38	-9.18	-5.00	-6.70	-6.79	-0.20	0.40	-1.70	3.50	-4.40	-8.67
39	-8.27	-5.20	-6.80	-5.99	1.10	-0.90	-2.20	3.80	-4.40	-8.67
40	-6.08	-5.00	-6.29	-4.69	-1.00	-3.00	-3.00	3.00	-3.20	-8.69
41	-3.20	-4.50	-5.19	-3.40	-3.70	-3.10	-4.10	3.20	-1.70	-8.93
42	-1.90	-3.80	-4.30	-3.00	-3.40	-5.42	-4.70	3.50	-1.00	-11.16
43	-3.10	-2.40	-3.30	-2.60	-3.60	-8.02	-4.40	2.50	3.50	-13.32
44	-4.20	-1.50	-3.80	-4.01	-5.10	-9.61	-3.40	3.80	3.80	-12.55
45	-4.70	-1.60	-2.90	-5.50	-4.19	-10.09	-2.00	3.90	3.30	-10.94
46	-4.00	-0.20	-1.30	-6.00	-1.00	-9.59	-0.40	3.20	2.20	-8.78
47	-2.60	1.10	0.90	-5.69	2.51	-9.16	0.80	2.50	0.10	-8.78
48	-2.00	11.45	6.35	-4.19	10.58	-6.86	3.11	1.60	-3.41	6.70
49	-2.20	20.70	12.05	-1.90	18.12	-2.69	9.79	2.20	-7.22	6.20
50	-1.40	28.83	16.92	-0.10	24.25	1.30	14.38	3.21	-8.80	5.80

RECORDS-669 COMPONENT=E-W SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=MACHINOHE-S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=0501 TOTAL NUMBER OF DATA= 3000

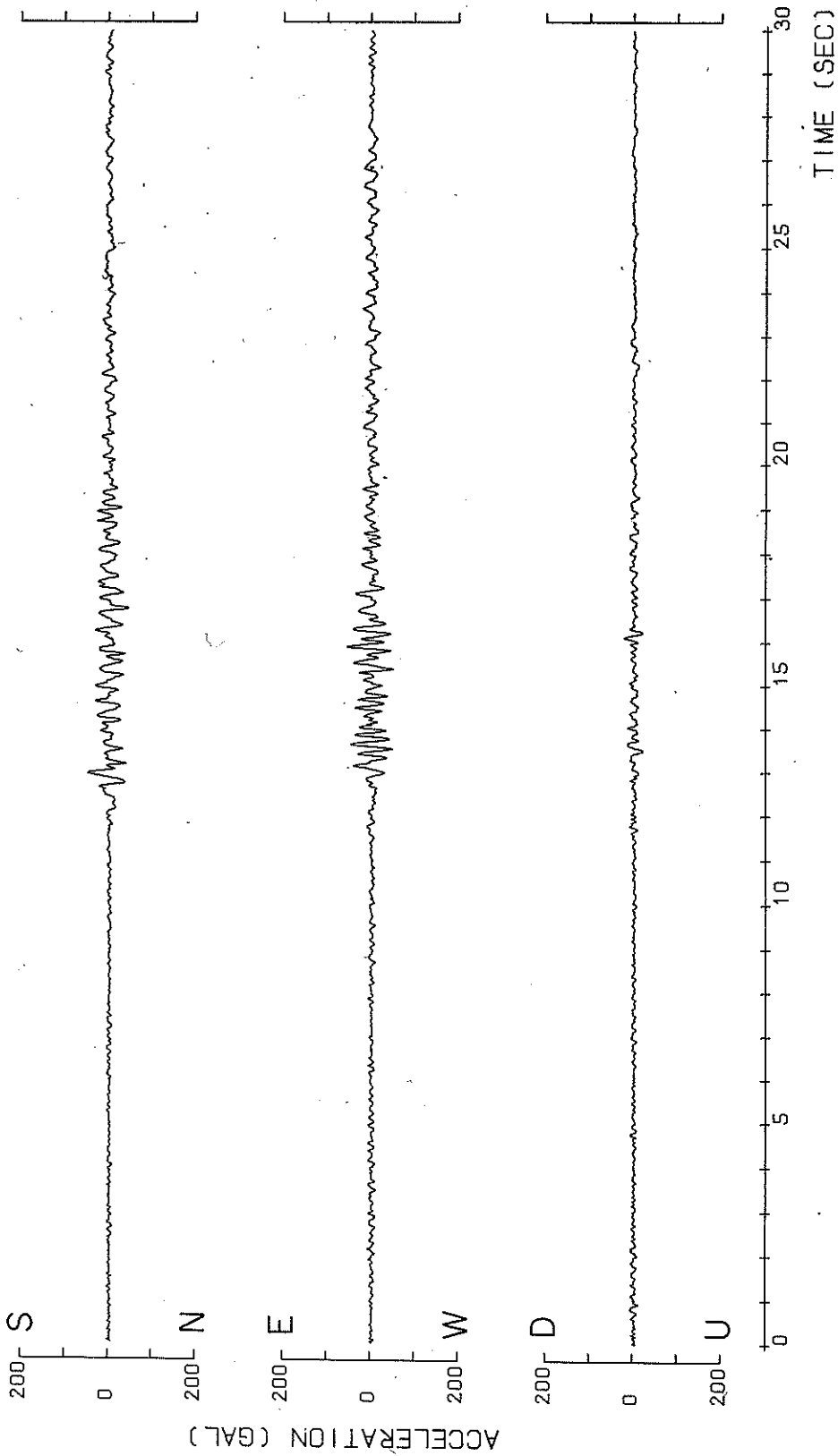
NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	5.80	-1.00	3.00	14.90	0.10	-1.60	0.40	0.00	1.40	1.50
2	5.90	-1.80	-1.50	14.86	0.00	-0.90	-1.70	0.50	-0.60	0.50
3	5.40	-3.00	-0.90	13.95	0.70	-1.50	-4.41	0.10	-0.60	0.00
4	4.89	-4.00	-0.60	12.73	2.00	-2.00	-7.12	0.	-1.40	0.10
5	3.20	-4.10	-0.60	10.61	3.60	-2.10	-8.60	0.00	-1.10	1.00
6	1.20	-3.50	-1.00	7.06	4.00	-0.50	-8.59	0.10	-0.30	2.30
7	-0.90	-2.70	-1.50	3.69	3.30	-2.10	-7.98	0.50	0.30	2.40
8	-2.50	-1.30	-2.70	1.40	2.50	-1.50	-6.78	0.80	1.10	1.40
9	-3.30	-0.30	-4.01	-0.30	1.20	-3.91	-4.68	1.60	1.00	-0.60
10	-3.40	0.10	-6.12	-1.10	-0.20	-6.51	-1.30	2.80	-0.00	-1.70
11	-2.00	0.60	-8.02	-0.20	-1.00	-7.90	1.80	3.80	-1.40	-1.70
12	-2.00	1.50	-9.62	0.70	-0.60	-7.79	3.80	4.00	-2.90	-1.20
13	-0.30	3.91	-10.39	2.60	-0.30	-7.20	4.81	4.20	-4.40	-0.60
14	-0.00	6.83	-9.98	6.03	-1.60	-7.11	6.41	4.00	-5.10	-0.20
15	-0.50	9.91	-8.97	9.51	-1.30	-8.22	7.92	4.20	-4.40	-0.50
16	-0.60	10.28	-7.07	9.78	-3.40	-9.82	9.42	4.10	-3.50	0.00
17	-1.20	9.58	-4.69	8.88	-4.60	-10.97	10.20	3.49	-2.60	0.30
18	-2.40	8.46	-1.70	7.55	-4.40	-9.83	10.50	1.50	-0.70	0.00
19	-4.81	6.07	1.10	3.59	-3.60	-11.13	10.29	0.50	1.80	0.70
20	-7.61	2.60	2.30	0.50	-3.00	-12.11	9.99	-0.20	4.20	1.70
21	-8.60	0.90	2.30	-0.50	-2.60	-12.30	9.69	-0.20	5.40	2.80
22	-8.60	1.10	1.60	-0.90	-3.00	-12.30	9.39	0.70	5.70	3.60
23	-8.39	1.40	1.60	-0.70	-3.80	-12.39	8.89	2.60	5.40	3.80
24	-7.68	1.60	2.40	-0.70	-4.80	-12.06	8.17	4.40	4.89	3.00
25	-6.28	1.20	3.90	-1.20	-4.40	-10.79	6.27	5.30	3.50	1.60
26	-3.99	0.40	4.30	-3.31	-4.00	-10.19	3.29	4.80	1.80	0.20
27	0.20	-0.50	3.70	-6.12	-3.20	-9.71	0.20	4.29	0.00	-1.40
28	3.60	-0.60	2.20	-8.83	-2.80	-10.00	3.30	2.90	-3.01	-2.60
29	3.90	0.10	0.70	-10.72	-3.00	-10.18	1.20	1.10	-7.13	-3.40
30	3.30	1.50	-1.00	-11.40	-3.60	-9.28	1.00	0.20	-10.01	-4.00
31	2.80	3.81	-1.90	-11.40	-4.00	-8.08	0.00	-0.30	-10.40	-4.30
32	1.10	5.80	-1.70	-11.38	-3.10	-6.88	1.00	-0.60	-10.19	-4.90
33	-0.20	5.80	-1.00	-10.77	-1.70	-4.78	-0.10	-0.90	-9.59	-4.40
34	-1.00	5.29	-0.30	-9.56	-0.40	-1.0	-1.00	1.00	-8.98	-5.01
35	-0.60	4.19	0.60	-7.76	1.10	4.71	-1.30	1.40	-8.09	-6.11
36	0.30	1.20	0.90	-4.48	1.90	7.33	-1.00	-2.00	-7.69	-7.51
37	2.20	-0.20	0.50	0.00	1.30	9.72	-1.30	-2.90	-6.69	-8.50
38	4.00	-0.90	-0.20	2.60	1.10	10.50	-3.11	2.90	-6.39	-8.50
39	5.10	-1.30	-2.40	3.90	1.50	10.51	-5.82	5.11	-5.39	-8.48
40	4.50	-1.70	-5.72	3.90	1.80	10.91	-8.53	6.10	-1.40	-5.69
41	3.50	-2.10	-8.61	3.60	1.80	11.20	-10.45	6.10	1.60	-4.00
42	2.80	-2.50	-9.20	3.40	1.30	11.18	-12.42	6.80	2.90	-4.00
43	2.90	-2.80	-9.19	3.20	0.90	10.56	-13.00	6.80	2.20	-2.70
44	3.90	-3.10	-8.98	4.00	0.70	8.76	-12.98	6.49	2.00	-2.70
45	3.90	-3.50	-7.17	4.80	-0.30	6.99	-12.36	5.39	1.70	-3.00
46	3.10	-4.51	-4.68	4.80	-1.50	5.30	-11.06	4.09	2.20	-4.21
47	1.80	-5.80	-0.70	4.20	-2.90	4.89	-9.52	1.50	2.90	-6.10
48	-0.00	-6.10	5.13	3.50	-4.10	3.80	-5.28	0.50	3.60	-5.99
49	-0.80	-5.99	11.27	2.40	-4.00	2.90	-1.60	2.20	3.20	-5.09
50	-1.20	-4.59	13.75	1.20	-3.10	1.70	-0.40	2.10	2.70	-4.00

NO.	COMPONENT#E-W					SIGNAL#GR,ACC,					CORRECTION#ARC,ERR,					STATION#HACHINOME-S				
	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-2.70	-6.78	1.20	-1.60	-4.10	-3.70	10.80	7.00	-0.90	2.70										
2	-2.40	-5.20	1.70	-1.60	-4.40	-3.20	10.80	7.20	1.00	2.00										
3	-2.70	-4.39	2.10	-0.90	-4.40	-3.00	10.76	7.20	3.00	1.80										
4	-2.10	-2.80	1.60	-1.00	-4.80	-2.70	9.01	7.19	4.30	1.80										
5	-1.40	-2.00	0.40	-0.90	-5.80	-2.00	4.09	6.40	5.30	1.90										
6	-0.90	-0.90	-1.30	-1.00	-6.00	-1.20	1.00	6.00	5.80	2.10										
7	-0.60	3.11	-3.11	-1.00	-6.60	0.70	0.70	5.80	5.80	2.20										
8	-0.20	2.70	-6.20	-1.60	-7.00	3.20	0.40	5.39	5.79	2.30										
9	0.00	4.41	-6.70	-2.10	-6.59	4.61	0.40	4.09	3.90	1.30										
10	0.30	5.71	-6.70	-2.60	-5.59	6.00	0.80	1.00	2.40	-0.20										
11	1.20	6.50	-6.69	-2.60	-4.20	6.49	2.20	2.00	1.00	-0.80										
12	3.31	6.39	-5.79	-2.00	-3.50	5.89	3.30	4.60	-0.40	-0.40										
13	5.92	5.59	-5.00	-1.00	-2.10	4.60	5.00	5.60	-1.30	-1.30										
14	8.83	4.59	-4.40	0.70	-3.60	3.60	5.00	5.50	-0.50	-0.50										
15	10.73	3.00	-4.20	1.90	-3.00	1.20	5.00	4.98	-1.50	0.90										
16	11.90	1.00	-4.20	2.30	-4.71	-0.30	5.10	4.98	-1.60	1.50										
17	11.99	-1.10	-4.20	2.30	-5.81	-2.40	4.60	2.10	-1.90	1.90										
18	11.57	-2.40	-3.80	2.30	-7.51	-4.00	3.60	1.40	-2.00	2.30										
19	10.34	-3.40	-3.20	1.80	-8.20	-8.00	2.80	1.00	-2.00	2.70										
20	7.66	-3.40	-2.70	1.00	-8.50	-8.00	2.40	0.70	-2.40	2.70										
21	4.49	-3.40	-1.50	1.60	-8.29	-5.00	2.40	2.90	-2.70	1.60										
22	2.30	-3.00	-1.00	2.50	-7.39	-5.00	2.20	2.20	-3.20	1.60										
23	2.00	-1.80	-0.30	3.10	-6.38	-5.00	2.20	4.61	-3.20	0.40										
24	2.40	-0.90	0.40	3.40	-0.39	-4.60	2.20	6.10	-3.80	0.20										
25	2.90	-0.10	2.30	3.40	-0.90	-4.60	2.20	6.10	-3.80	0.20										
26	3.50	0.60	3.70	2.70	1.80	-4.40	1.80	6.49	-3.00	-0.30										
27	4.20	1.50	4.10	2.10	3.60	-4.40	1.50	5.20	-2.70	-1.00										
28	4.70	1.70	5.00	1.50	4.70	-4.30	0.90	4.39	-2.30	0.00										
29	5.10	0.70	5.00	1.00	5.30	-5.11	1.20	4.40	-4.51	1.40										
30	5.50	0.70	4.99	1.00	5.30	-7.11	1.20	4.10	-6.13	2.90										
31	6.00	0.50	3.89	1.10	5.30	-8.02	0.40	3.50	-9.31	4.21										
32	6.20	0.90	1.90	0.80	5.40	-9.11	-0.80	2.10	-10.01	6.30										
33	5.90	1.20	1.20	0.40	5.40	-9.49	-1.50	3.30	-10.60	6.40										
34	5.70	1.70	0.80	-0.30	5.00	-8.79	-1.30	3.50	-10.69	6.09										
35	5.50	1.70	0.80	-0.30	4.50	-8.19	-0.80	3.50	-10.28	5.59										
36	5.70	0.80	0.80	-0.30	3.80	-7.59	-0.30	2.80	-9.38	4.39										
37	5.09	-0.80	1.50	0.20	2.40	-7.09	0.00	1.00	-8.38	1.00										
38	3.50	-0.30	2.20	1.20	1.10	-5.79	0.10	0.30	-7.17	0.40										
39	3.60	-2.90	3.51	2.90	-1.50	-4.49	0.60	0.30	-4.39	-0.70										
40	-1.00	-5.00	7.01	3.30	-2.80	-3.10	1.60	0.30	-2.00	-1.10										
41	-2.60	-5.00	7.70	3.30	-3.00	-1.70	3.50	1.60	1.60	-1.10										
42	-2.70	-5.60	7.79	2.50	-4.40	-0.80	4.21	4.10	1.90	-0.50										
43	-2.40	-5.59	7.19	2.60	-5.20	-0.10	6.01	4.10	2.20	0.00										
44	-2.90	-4.40	6.29	2.60	-6.51	0.60	5.99	4.60	3.00	0.10										
45	-4.00	-4.40	4.99	2.80	-6.151	2.70	5.99	4.60	3.00	0.10										
46	-4.00	-4.09	2.70	1.80	-7.19	4.10	4.89	5.10	3.70	-0.20										
47	-5.31	-2.70	0.60	0.20	-7.19	5.01	2.89	5.50	3.70	-0.20										
48	-6.51	-1.70	-0.90	-0.90	-6.09	7.62	-0.80	5.09	4.50	0.00										
49	-7.20	-0.30	-1.30	-2.00	-5.10	9.12	-4.51	5.10	4.99	0.50										
50	-7.20	0.20	-1.50	-3.20	-4.50	10.21	-7.00	5.20	3.90	0.50										

NO.	RECORDS-669 DATE AND TIME=1972-03-20-00-58					COMPONENT#E-W					SIGNAL#GR.ACC. SAMPLING INTERVAL= 0.010(SEC)					CORRECTION#ARC.ERR. FORMAT NO.#301					STATIONS#HACHINOHE-S TOTAL NUMBER OF DATA= 3000				
	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)					
1	-0.20	-4.10	-0.20	-0.50	-1.20	-1.20	-4.20	-0.70	-0.30	-0.90	-0.60	-0.90	-0.30	-0.90	-0.30	-0.60	-0.90	-0.30	-0.90						
2	-1.10	-3.30	-0.80	-0.50	-0.40	-0.40	-0.70	-0.50	-0.70	-0.50	-0.60	-0.70	-0.50	-0.70	-0.50	-0.60	-0.70	-0.50	-0.70						
3	-2.30	-2.00	-2.00	-0.50	-0.30	-0.30	-0.40	-0.40	-0.40	-0.30	-1.10	-0.40	-0.40	-0.30	-0.40	-1.10	-0.40	-0.40	-0.30						
4	-3.00	-1.40	-3.00	0.40	-1.20	-1.20	-0.30	-0.30	-0.30	-1.10	-0.30	-0.30	-0.30	-1.10	-0.30	-0.30	-0.30	-0.30	-1.10						
5	-3.00	-1.40	-4.40	0.80	-2.40	-2.40	0.80	0.80	0.80	-1.10	-1.10	0.80	0.80	-1.10	0.80	-1.10	0.80	0.80	-1.10						
6	-2.70	-2.40	-6.71	0.70	-4.00	-4.00	4.71	2.80	2.80	-1.10	-1.10	4.91	4.91	-1.10	4.91	-1.10	4.91	4.91	-1.10						
7	-2.30	-3.40	-6.41	-1.20	-5.01	-5.01	-1.20	4.91	4.91	-1.20	-1.20	5.01	5.01	-1.20	5.01	-1.20	5.01	5.01	-1.20						
8	-2.40	-3.70	-7.51	-2.20	-6.01	-6.01	-2.20	5.91	5.91	-1.00	-1.00	6.01	6.01	-1.00	6.01	-1.00	6.01	6.01	-1.00						
9	-2.40	-4.30	-8.42	-4.00	-7.01	-7.01	-4.00	6.40	6.40	-1.20	-1.20	6.40	6.40	-1.20	6.40	-1.20	6.40	6.40	-1.20						
10	-2.90	-4.30	-9.60	-4.80	-7.59	-7.59	-4.80	6.39	6.39	-1.10	-1.10	6.39	6.39	-1.10	6.39	-1.10	6.39	6.39	-1.10						
11	-3.30	-4.30	-9.68	-5.10	-6.49	-6.49	-5.10	5.39	5.39	-0.80	-0.80	5.39	5.39	-0.80	5.39	-0.80	5.39	5.39	-0.80						
12	-3.20	-4.30	-8.78	-4.40	-4.99	-4.99	-4.40	4.29	4.29	0.00	0.00	4.29	4.29	0.00	4.29	0.00	4.29	4.29	0.00						
13	-3.90	-4.30	-7.28	-5.90	-3.90	-3.90	-5.90	2.80	2.80	0.60	0.60	2.80	2.80	0.60	2.80	0.60	2.80	2.80	0.60						
14	-3.40	-3.40	-5.09	-6.51	-3.10	-3.10	-6.51	1.80	1.80	-0.80	-0.80	1.80	1.80	-0.80	1.80	-0.80	1.80	1.80	-0.80						
15	-2.50	-2.50	-7.30	-7.30	-2.80	-2.80	-7.30	0.80	0.80	-0.00	-0.00	0.80	0.80	-0.00	0.80	-0.00	0.80	0.80	-0.00						
16	-3.40	-1.00	0.60	-7.40	-2.80	-2.80	-7.40	-0.10	-0.10	-0.60	-0.60	-0.10	-0.10	-0.60	-0.60	-0.10	-0.10	-0.10	-0.60						
17	-2.00	-0.20	1.40	-7.30	-2.80	-2.80	-7.30	0.60	0.60	0.00	0.00	0.60	0.60	0.00	0.60	0.00	0.60	0.60	0.00						
18	-1.30	0.	2.90	-7.29	-2.80	-2.80	-7.29	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70						
19	-0.20	0.	3.00	-6.59	-2.50	-2.50	-6.59	2.00	2.00	-2.00	-2.00	2.00	2.00	-2.00	2.00	-2.00	2.00	2.00	-2.00						
20	1.10	0.	3.00	-5.09	-2.20	-2.20	-5.09	0.30	0.30	-0.30	-0.30	0.30	0.30	-0.30	0.30	-0.30	0.30	0.30	-0.30						
21	2.90	-0.00	3.00	-4.10	-1.50	-1.50	-4.10	1.20	1.20	-0.70	-0.70	1.20	1.20	-0.70	1.20	-0.70	1.20	1.20	-0.70						
22	3.90	-0.30	3.60	-3.10	-0.70	-0.70	-3.10	2.20	2.20	0.00	0.00	2.20	2.20	0.00	2.20	0.00	2.20	2.20	0.00						
23	4.30	-0.60	4.60	-3.00	0.00	0.00	-3.00	3.20	3.20	0.80	0.80	3.20	3.20	0.80	3.20	0.80	3.20	3.20	0.80						
24	4.80	-0.60	5.29	-2.30	0.70	0.70	-2.30	3.60	3.60	1.10	1.10	3.60	3.60	1.10	3.60	1.10	3.60	3.60	1.10						
25	4.70	-0.40	3.90	-1.20	1.10	1.10	-1.20	3.60	3.60	0.60	0.60	3.60	3.60	0.60	3.60	0.60	3.60	3.60	0.60						
26	4.50	-0.30	3.30	-0.40	1.80	1.80	-0.40	3.70	3.70	-0.20	-0.20	3.70	3.70	-0.20	3.70	-0.20	3.70	3.70	-0.20						
27	3.90	-0.90	1.80	0.20	2.10	2.10	0.20	3.00	3.00	-0.20	-0.20	3.00	3.00	-0.20	3.00	-0.20	3.00	3.00	-0.20						
28	3.60	-1.90	1.20	1.00	2.70	2.70	1.00	2.50	2.50	-2.90	-2.90	2.50	2.50	-2.90	2.50	-2.90	2.50	2.50	-2.90						
29	3.10	-2.50	0.90	1.70	2.80	2.80	1.70	0.90	0.90	-4.20	-4.20	0.90	0.90	-4.20	0.90	-4.20	0.90	0.90	-4.20						
30	3.10	-3.40	1.10	2.20	1.50	1.50	2.20	1.10	1.10	-4.80	-4.80	1.10	1.10	-4.80	1.10	-4.80	1.10	1.10	-4.80						
31	2.70	-4.20	1.70	3.20	0.60	0.60	3.20	1.60	1.60	-5.10	-5.10	1.60	1.60	-5.10	1.60	-5.10	1.60	1.60	-5.10						
32	1.10	-4.70	2.70	3.70	-0.30	-0.30	3.70	2.80	2.80	-5.10	-5.10	2.80	2.80	-5.10	2.80	-5.10	2.80	2.80	-5.10						
33	-1.20	-5.00	3.30	4.30	-1.90	-1.90	4.30	3.70	3.70	-5.10	-5.10	3.70	3.70	-5.10	3.70	-5.10	3.70	3.70	-5.10						
34	-1.90	-5.01	4.30	4.20	-2.90	-2.90	4.20	4.10	4.10	-5.00	-5.00	4.10	4.10	-5.00	4.10	-5.00	4.10	4.10	-5.00						
35	-2.50	-6.41	5.30	4.40	-4.00	-4.00	4.40	4.09	4.09	-4.70	-4.70	4.09	4.09	-4.70	4.09	-4.70	4.09	4.09	-4.70						
36	-2.50	-7.09	5.90	3.80	-3.40	-3.40	3.80	3.70	3.70	-4.60	-4.60	3.70	3.70	-4.60	3.70	-4.60	3.70	3.70	-4.60						
37	-3.00	-7.09	6.00	2.30	-2.20	-2.20	2.30	0.30	0.30	-6.41	-6.41	0.30	0.30	-6.41	0.30	-6.41	0.30	0.30	-6.41						
38	-3.70	-6.19	6.00	1.00	-2.20	-2.20	1.00	0.30	0.30	-7.31	-7.31	0.30	0.30	-7.31	0.30	-7.31	0.30	0.30	-7.31						
39	-4.80	-4.59	6.00	-0.50	-2.00	-2.00	-0.50	0.30	0.30	-7.31	-7.31	0.30	0.30	-7.31	0.30	-7.31	0.30	0.30	-7.31						
40	-5.82	-2.10	6.00	-1.60	-1.30	-1.30	-1.60	0.30	0.30	-4.70	-4.70	0.30	0.30	-4.70	0.30	-4.70	0.30	0.30	-4.70						
41	-7.91	-1.70	6.20	-1.60	0.00	0.00	-1.60	0.30	0.30	-4.70	-4.70	0.30	0.30	-4.70	0.30	-4.70	0.30	0.30	-4.70						
42	-7.91	-1.80	5.60	-2.00	0.00	0.00	-2.00	0.30	0.30	-6.78	-6.78	0.30	0.30	-6.78	0.30	-6.78	0.30	0.30	-6.78						
43	-8.60	-1.30	6.10	-2.40	0.50	0.50	-2.40	0.30	0.30	-5.09	-5.09	0.30	0.30	-5.09	0.30	-5.09	0.30	0.30	-5.09						
44	-8.59	-1.20	6.20	-3.00	0.90	0.90	-3.00	0.30	0.30	-4.70	-4.70	0.30	0.30	-4.70	0.30	-4.70	0.30	0.30	-4.70						
45	-7.99	-1.10	6.20	-3.50	0.10	0.10	-3.50	0.30	0.30	-4.70	-4.70	0.30	0.30	-4.70	0.30	-4.70	0.30	0.30	-4.70						
46	-7.50	-0.80	6.40	-4.00	-0.90	-0.90	-4.00	0.30	0.30	-4.80	-4.80	0.30	0.30	-4.80	0.30	-4.80	0.30	0.30	-4.80						
47	-7.20	-0.30	6.39	-3.10	-0.60	-0.60	-3.10	0.30	0.30	-4.80	-4.80	0.30	0.30	-4.80	0.30	-4.80	0.30	0.30	-4.80						
48	-7.20	-0.10	5.29	-2.50	-2.00	-2.00	-2.50	0.30	0.30	-1.10	-1.10	0.30	0.30	-1.10	0.30	-1.10	0.30	0.30	-1.10						
49	-7.18	0.00	3.49	-2.10	-2.00	-2.00	-2.10	0.30	0.30	-1.10	-1.10	0.30	0.30	-1.10	0.30	-1.10	0.30	0.30	-1.10						
50	-5.59	0.10	0.70	-1.10	-1.60	-1.60	-1.10	0.30	0.30	-0.70	-0.70	0.30	0.30	-0.70	0.30	-0.70	0.30	0.30	-0.70						

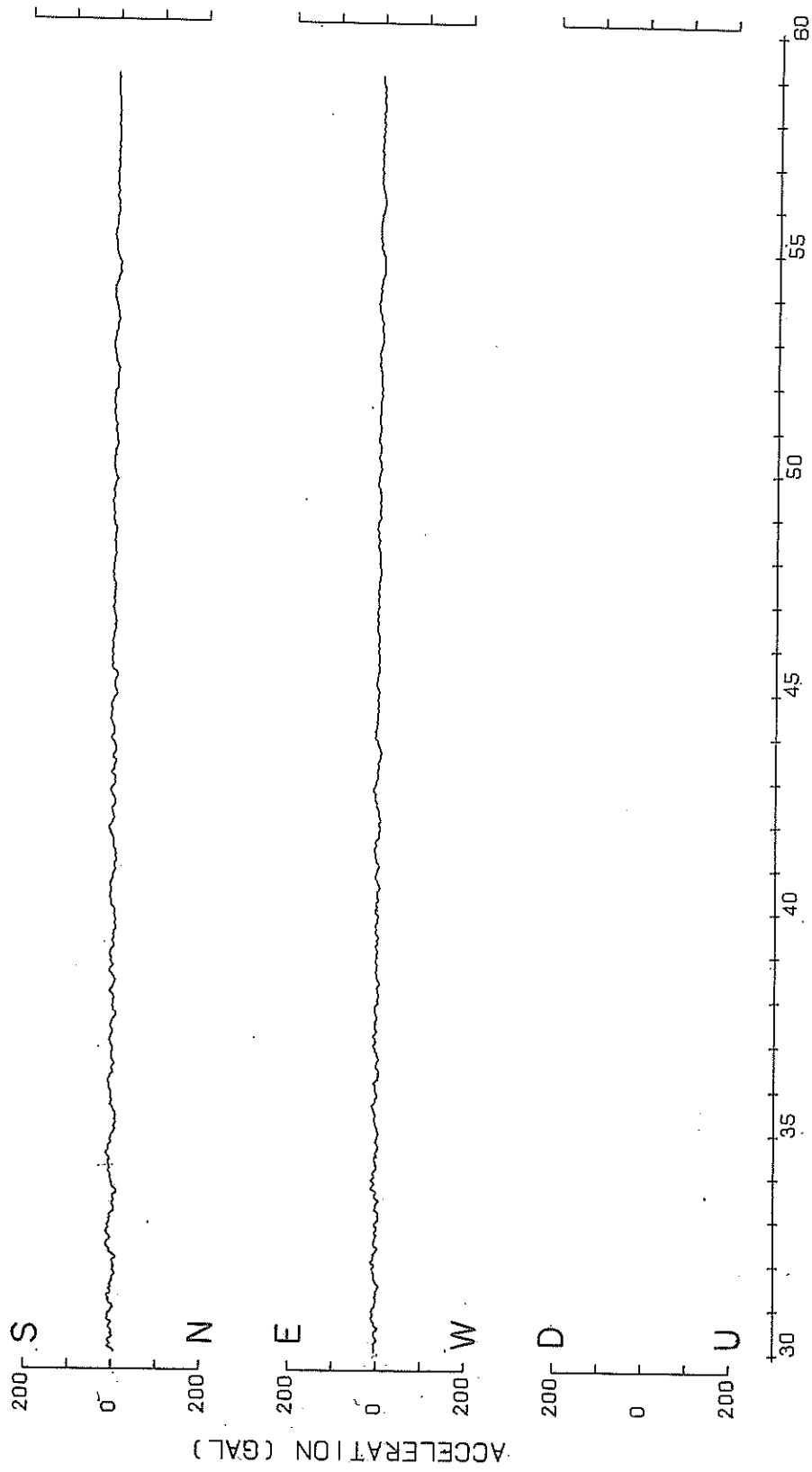
NO.	COMPONENT#E-W				SIGNAL#GR.ACC.				CORRECTION#ARC.ERR.				STATION#HACHINOHE'S			
	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)	TOTAL NUMBER OF DATA-3000					
DATE AND TIME=1972-03-20-00-58													FORMAT NO.R5G1			
1	-2.20	4.00	-2.30	1.80	-6.09	0.30	-1.20	0.50	0.60	-1.20	0.60	0.60	-1.20			
2	-1.30	4.10	-2.30	2.30	-5.09	0.30	-1.30	0.30	0.40	-1.30	0.30	0.40	-0.40			
3	-0.70	3.30	-2.70	2.50	-3.70	0.	-1.30	0.20	0.30	-1.30	0.30	0.40	0.10			
4	0.	1.80	-3.00	2.80	-2.70	0.00	-2.20	0.50	0.00	-2.20	0.50	0.00	0.60			
5	0.00	1.10	-2.80	1.20	-2.00	-0.90	-3.30	0.80	0.50	-3.30	0.80	0.50	0.60			
6	0.10	0.70	-1.70	0.50	-2.00	-1.60	-3.40	0.80	1.40	-3.40	0.80	1.40	-0.30			
7	-0.90	-0.20	-0.40	-0.80	-2.00	-2.00	-3.40	-2.00	0.50	-3.40	0.50	2.10	-0.30			
8	-1.00	0.00	0.50	-1.40	-2.00	-2.20	-2.20	-2.20	0.60	-2.20	0.60	2.50	-1.70			
9	-2.00	0.50	1.40	-1.40	-1.20	-2.40	-1.30	-1.30	3.20	-1.30	3.20	-2.30	-2.30			
10	-2.40	0.50	1.80	-1.40	-0.80	-0.80	-0.30	-0.30	3.90	-0.30	3.90	-2.50	-2.50			
11	-3.10	-0.00	2.00	-0.20	0.00	0.00	0.50	2.00	4.10	0.50	4.10	-1.70	-1.70			
12	-3.40	-0.30	2.00	0.20	-1.00	0.20	1.10	2.00	4.50	1.10	4.50	-1.00	-1.00			
13	-3.30	-0.30	2.00	0.20	-0.80	0.20	2.00	2.00	5.00	2.00	5.00	-0.10	-0.10			
14	-3.40	-0.20	2.00	0.20	-2.00	0.60	2.40	2.40	4.40	0.60	4.40	0.40	0.40			
15	-2.40	0.70	1.40	-0.30	-2.60	0.30	2.20	2.20	3.40	0.30	3.40	0.60	0.60			
16	-1.00	1.80	1.00	-0.30	-3.00	-1.30	1.50	1.50	4.20	-1.30	4.20	0.40	0.40			
17	0.00	2.30	0.80	-0.60	-2.80	-2.80	1.20	1.20	5.40	1.20	5.40	1.20	1.20			
18	1.60	2.80	1.00	-0.60	-1.70	-4.30	0.40	0.40	2.80	0.40	2.80	1.10	1.10			
19	2.80	1.50	1.20	0.00	0.20	-5.20	0.20	0.20	1.60	0.20	1.60	0.50	0.50			
20	3.00	0.70	1.30	0.30	0.20	-5.99	0.30	0.30	1.80	0.30	1.80	0.30	0.30			
21	3.10	0.60	1.50	1.00	0.90	-5.11	0.30	0.30	1.80	0.30	1.80	0.30	0.30			
22	3.20	0.10	1.50	1.00	1.10	-4.20	0.30	0.30	1.80	0.30	1.80	0.30	0.30			
23	1.90	-0.60	-2.10	0.10	1.10	-3.99	1.00	1.00	0.50	1.00	0.50	0.50	0.50			
24	1.10	0.60	-2.60	0.60	0.30	-2.70	-1.00	-1.00	0.80	-1.00	0.80	0.80	0.80			
25	0.10	-1.20	-2.60	1.20	-1.00	-2.50	-1.30	-1.30	1.20	-1.30	1.20	1.20	1.20			
26	-0.20	-2.40	-2.60	1.60	-1.70	-1.40	-1.90	-1.90	0.80	-1.90	0.80	0.80	0.80			
27	-0.20	-3.40	-1.80	1.80	-2.30	-0.90	-1.60	-1.60	0.80	-1.60	0.80	0.80	0.80			
28	-0.20	-4.00	-1.80	2.00	-2.80	0.10	-1.80	-1.80	0.80	-1.80	0.80	0.80	0.80			
29	0.30	-5.20	-0.50	1.20	-2.80	0.30	-0.80	-0.80	0.80	-0.80	0.80	0.80	0.80			
30	0.90	-5.39	0.30	0.70	-2.70	0.80	0.10	0.10	0.00	0.10	0.00	0.00	0.00			
31	-0.30	-4.00	1.20	0.10	-2.40	0.80	0.40	0.40	0.20	0.40	0.20	0.20	0.20			
32	-1.30	-3.20	1.10	0.10	-2.30	0.60	0.10	0.10	0.20	0.10	0.20	0.20	0.20			
33	-2.60	-2.00	1.20	-0.00	-2.30	0.10	0.30	0.30	0.20	0.30	0.20	0.20	0.20			
34	-3.40	-0.70	0.40	-0.30	-0.90	0.10	-0.90	-0.90	0.10	-0.90	0.10	0.10	0.10			
35	-4.00	0.40	-0.90	-0.60	-3.50	-1.00	-3.00	-3.00	0.30	-3.00	0.30	0.30	0.30			
36	-4.40	1.00	-1.60	-0.90	-5.00	-1.40	-3.00	-3.00	0.30	-3.00	0.30	0.30	0.30			
37	-4.40	1.60	-3.30	-1.30	-5.60	-0.70	-3.00	-3.00	0.30	-3.00	0.30	0.30	0.30			
38	-4.40	2.10	-4.00	-1.30	-5.70	1.20	-4.00	-4.00	0.30	-4.00	0.30	0.30	0.30			
39	-3.50	2.20	-3.40	-1.00	-6.00	3.50	-3.20	-3.20	0.50	-3.20	0.50	0.50	0.50			
40	-3.00	2.20	-2.60	-0.40	-6.00	4.30	-2.40	-2.40	0.50	-2.40	0.50	0.50	0.50			
41	-1.70	2.20	-1.30	-0.40	-5.49	4.70	-2.40	-2.40	0.30	-2.40	0.30	0.30	0.30			
42	-0.90	1.70	-0.10	0.	-4.10	4.70	-3.00	-3.00	0.30	-3.00	0.30	0.30	0.30			
43	-0.60	0.20	0.70	0.	-3.10	4.70	-3.60	-3.60	0.30	-3.60	0.30	0.30	0.30			
44	0.80	-0.80	1.20	0.00	-2.40	4.70	-4.00	-4.00	0.30	-4.00	0.30	0.30	0.30			
45	2.60	-0.60	1.20	-0.00	-2.40	4.60	-3.40	-3.40	0.50	-3.40	0.50	0.50	0.50			
46	3.70	-1.40	1.10	-1.00	0.10	3.20	-2.40	-2.40	0.30	-2.40	0.30	0.30	0.30			
47	3.70	-2.20	0.70	-2.10	0.60	3.30	-1.50	-1.50	0.60	-1.50	0.60	0.60	0.60			
48	3.30	-3.00	0.60	-3.10	0.60	2.10	-0.90	-0.90	1.30	-0.90	1.30	1.30	1.30			
49	3.20	-3.00	1.10	-3.80	0.90	1.20	-0.40	-0.40	0.90	-0.40	0.90	0.90	0.90			
50	3.60	-3.00	1.30	-5.21	0.50	-0.20	-0.20	-0.20	2.00	-0.20	2.00	2.00	2.00			

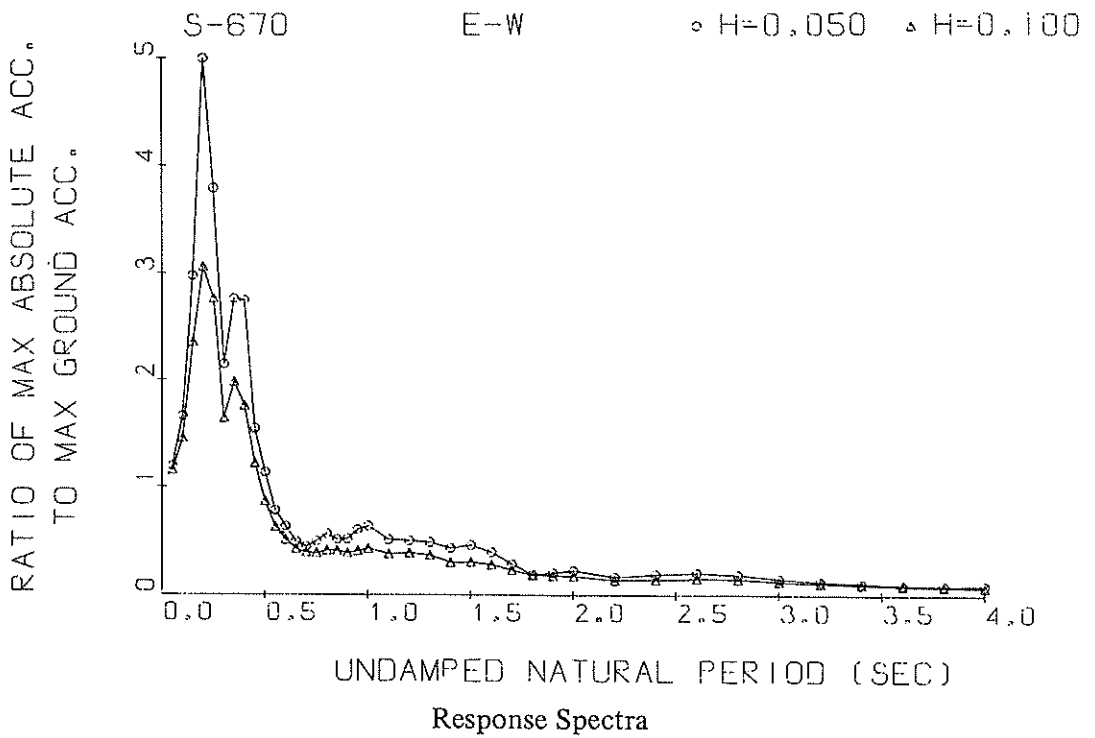
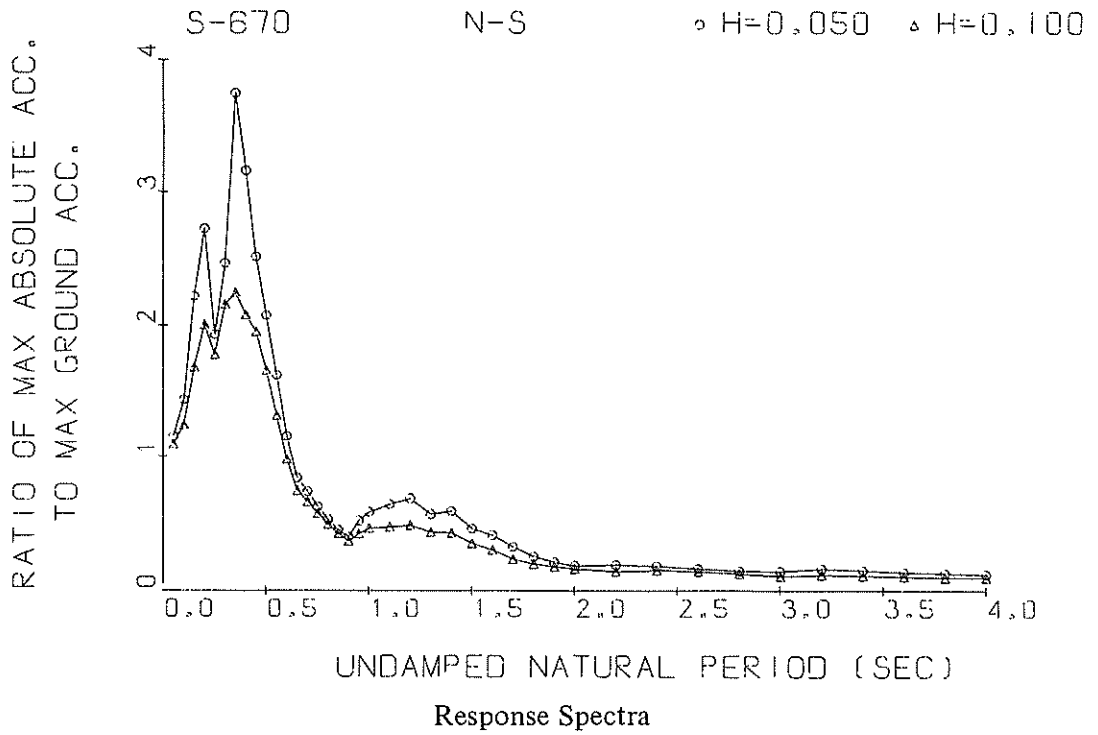
S-670 AOMORI-S 1972-03-20-00-58

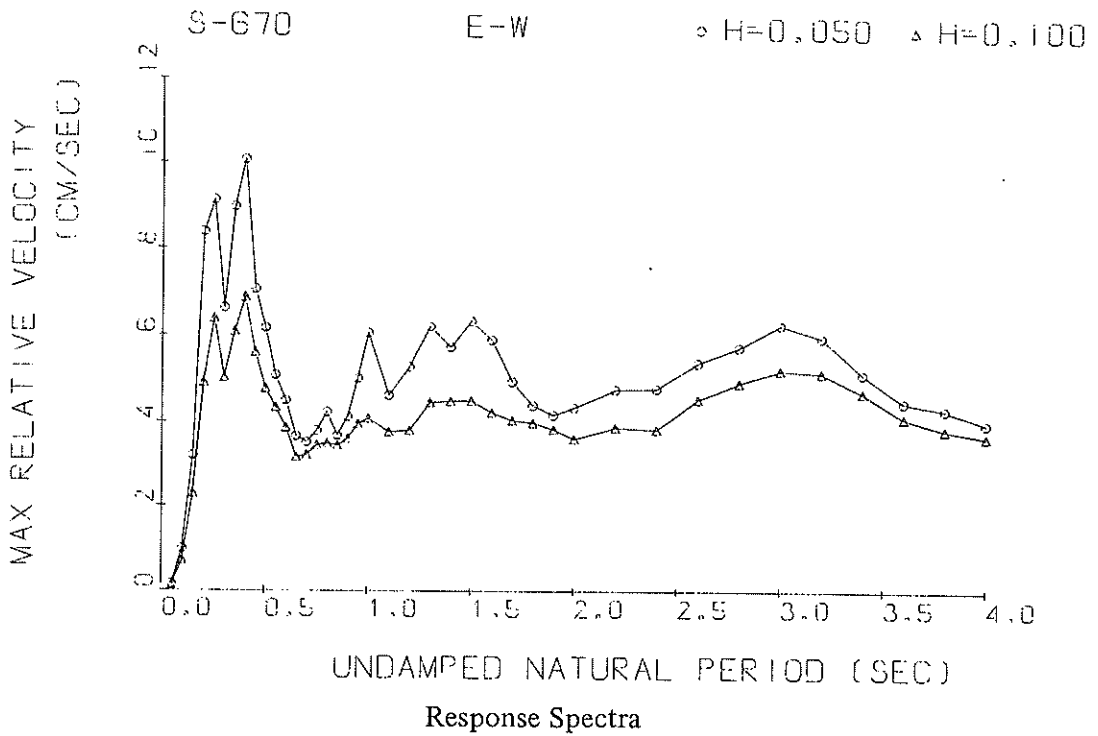
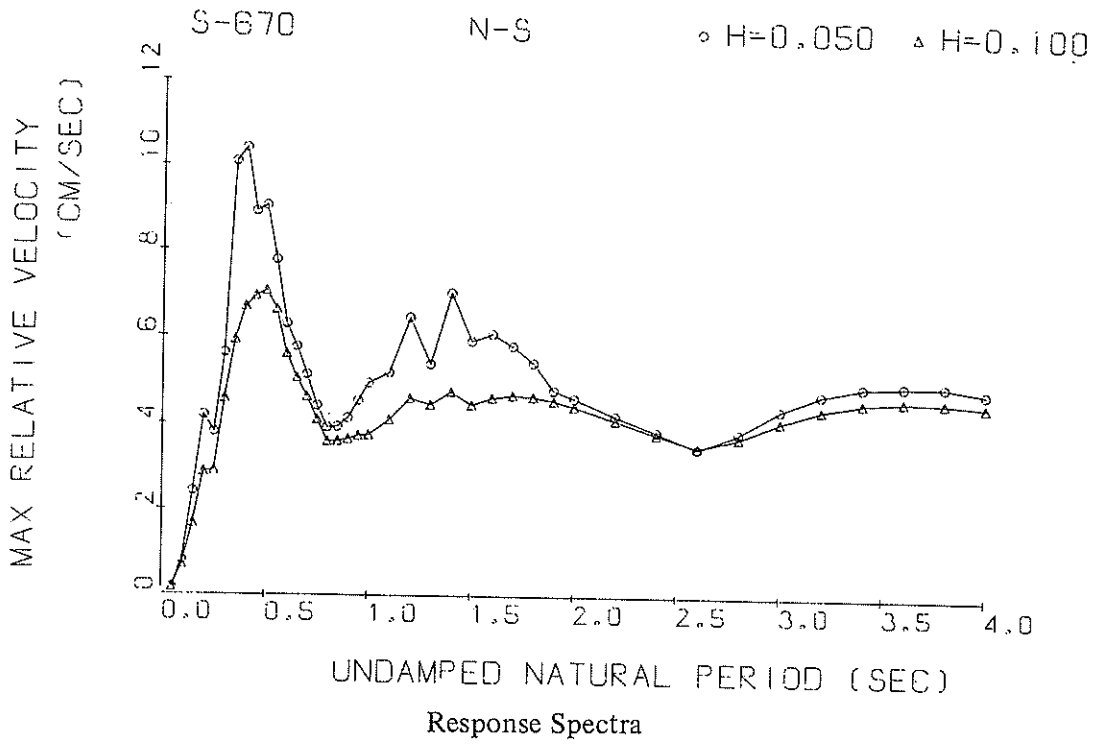


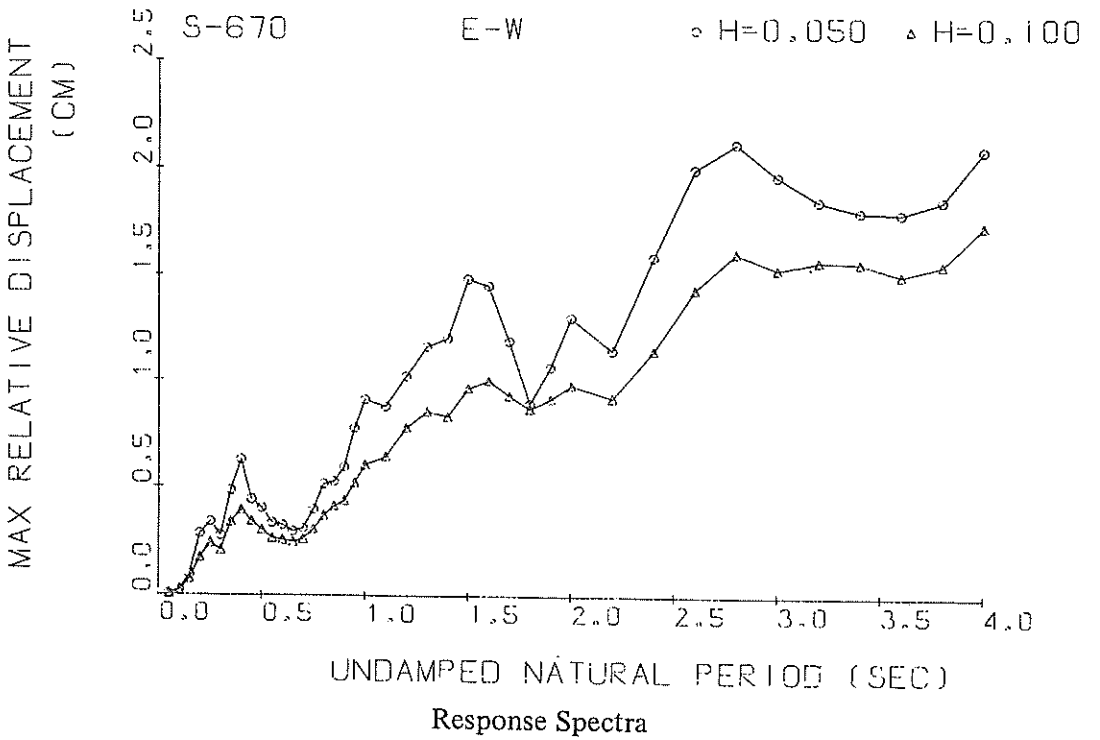
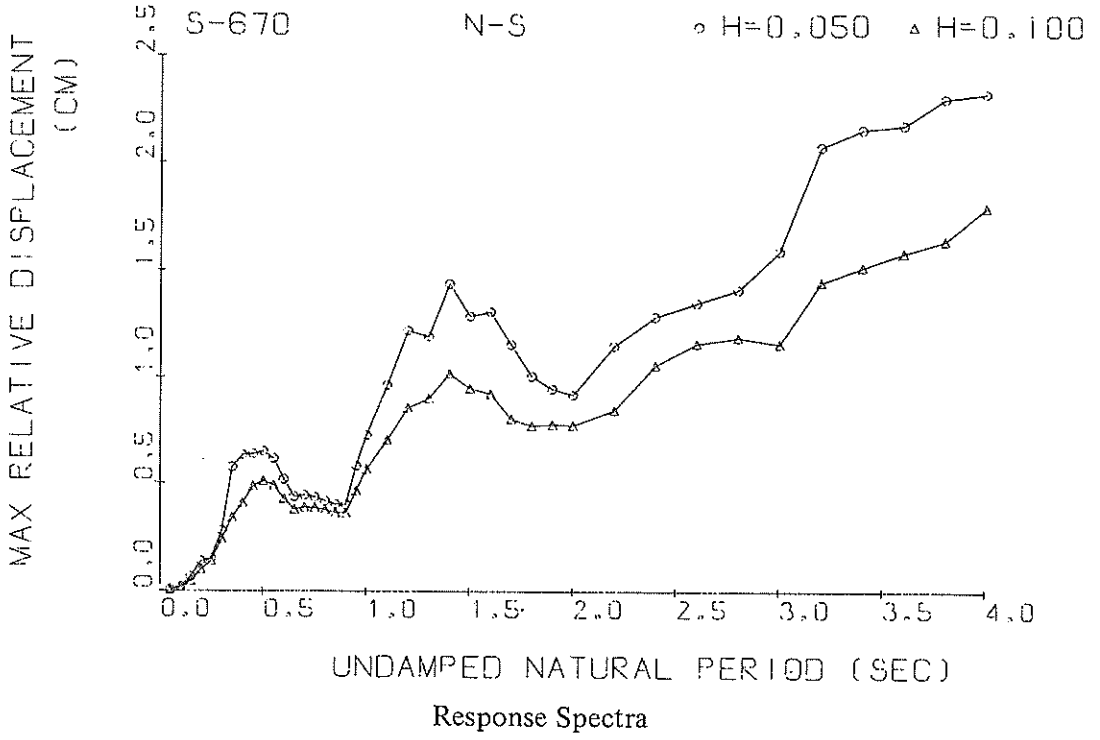
1972-03-20-00-58

S-670 AOMOR I-S



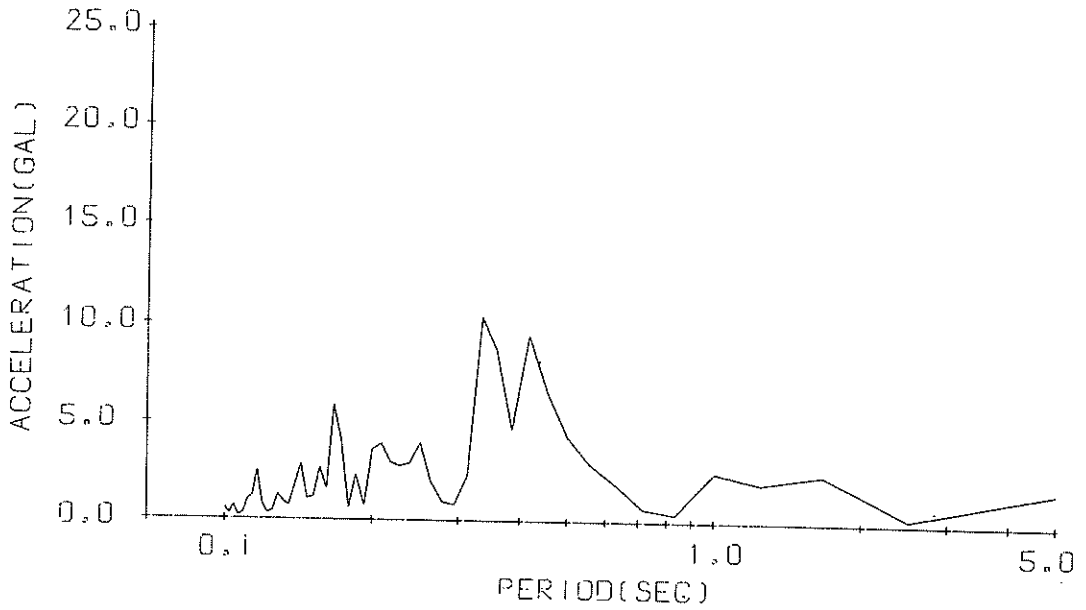






S-670 N-S

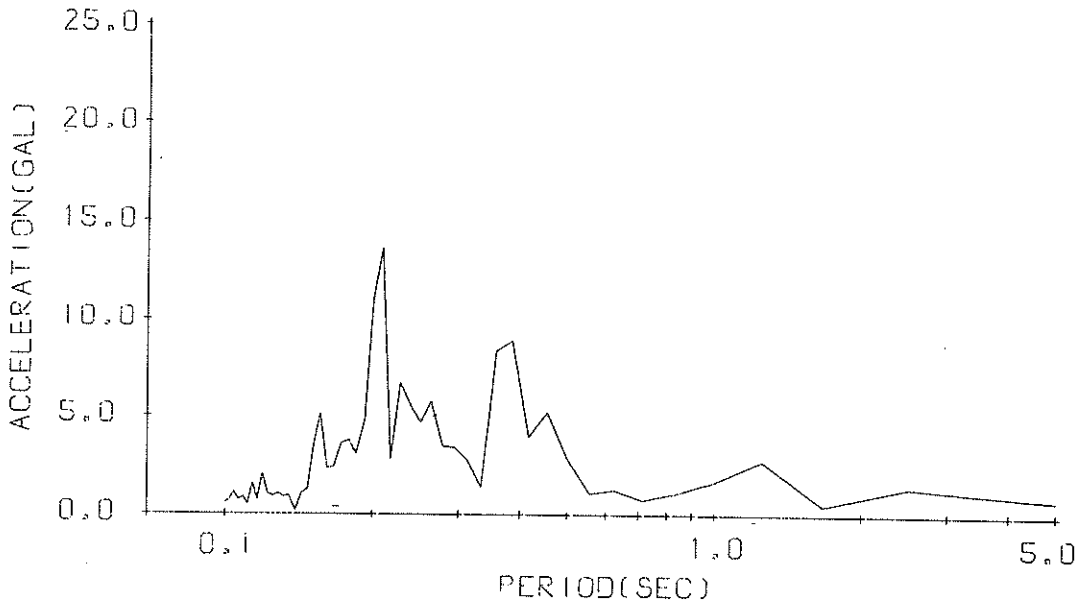
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TUS=5.00



Fourier Spectrum

S-670 E-W

TSK=12.00
TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD # S-670 N-S 1972-03-20-00-58
 STATION # AOMORI-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 20.00(SEC) SKIPPED LENGTH # 11.00(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 49.59(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.152	57.14	16.75	0.154	0.0036
0.100	1.431	70.95	43.11	0.789	0.0179
0.150	2.221	110.11	96.64	2.416	0.0630
0.200	2.724	135.08	135.50	4.189	0.1364
0.250	1.928	95.62	103.83	3.795	0.1509
0.300	2.468	122.36	105.14	5.624	0.2772
0.350	3.741	185.50	190.21	10.086	0.5743
0.400	3.158	156.61	181.86	10.424	0.6326
0.450	2.515	124.71	140.85	8.908	0.6357
0.500	2.078	103.02	107.81	9.047	0.6485
0.550	1.624	80.52	112.03	7.782	0.6136
0.600	1.154	57.24	98.63	6.311	0.5175
0.650	0.834	41.36	87.03	5.780	0.4386
0.700	0.731	36.23	73.95	5.141	0.4450
0.750	0.623	30.88	66.48	4.430	0.4352
0.800	0.527	26.13	61.48	3.926	0.4182
0.850	0.448	22.22	57.44	3.946	0.4016
0.900	0.397	19.70	54.15	4.149	0.4029
0.950	0.516	25.57	51.37	4.555	0.5822
1.000	0.580	28.77	51.31	4.961	0.7253
1.100	0.640	31.72	61.96	5.199	0.9630
1.200	0.679	33.67	55.70	6.480	1.2210
1.300	0.564	27.98	55.91	5.402	1.1915
1.400	0.588	29.18	54.69	7.053	1.4386
1.500	0.459	22.76	52.59	5.938	1.2875
1.600	0.410	20.32	55.00	6.109	1.3076
1.700	0.322	15.95	58.94	5.825	1.1543
1.800	0.253	12.54	57.33	5.454	1.0057
1.900	0.210	10.42	53.61	4.830	0.9453
2.000	0.184	9.10	53.98	4.653	0.9183
2.200	0.190	9.41	54.16	4.247	1.1471
2.400	0.179	8.88	53.91	3.895	1.2864
2.600	0.161	7.99	53.46	3.507	1.3530
2.800	0.145	7.19	52.97	3.871	1.4123
3.000	0.142	7.04	52.50	4.415	1.5913
3.200	0.162	8.03	52.08	4.784	2.0745
3.400	0.149	7.38	51.71	4.973	2.1532
3.600	0.135	6.68	51.39	5.008	2.1741
3.800	0.128	6.37	51.11	5.015	2.2983
4.000	0.118	5.87	50.88	4.866	2.3233

RESPONSE SPECTRUM

RECORD # S-670 N-S 1972-03-20-00-58
 STATION = AOMORI-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 20.00(SEC) SKIPPED LENGTH = 11.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 49.59(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.089	54.02	12.79	0.151	0.0034
0.100	1.242	61.61	34.60	0.699	0.0156
0.150	1.679	83.28	68.20	1.671	0.0469
0.200	2.002	99.28	99.02	2.876	0.0983
0.250	1.777	88.12	73.35	2.914	0.1379
0.300	2.158	107.02	85.84	4.581	0.2405
0.350	2.249	111.54	113.44	5.934	0.3395
0.400	2.079	103.10	114.58	6.691	0.4079
0.450	1.951	96.76	107.59	6.944	0.4866
0.500	1.659	82.27	86.78	7.058	0.5109
0.550	1.313	65.10	90.71	6.626	0.4897
0.600	0.977	48.47	86.96	5.607	0.4287
0.650	0.738	36.59	79.21	5.065	0.3779
0.700	0.657	32.59	70.67	4.631	0.3884
0.750	0.571	28.29	63.50	4.107	0.3857
0.800	0.491	24.36	59.87	3.614	0.3758
0.850	0.423	20.96	56.56	3.622	0.3626
0.900	0.364	18.06	53.66	3.671	0.3618
0.950	0.419	20.75	51.12	3.746	0.4666
1.000	0.461	22.84	50.33	3.774	0.5668
1.100	0.471	23.37	52.41	4.120	0.7049
1.200	0.484	24.02	53.72	4.622	0.8567
1.300	0.434	21.51	53.90	4.475	0.8999
1.400	0.425	21.08	53.05	4.775	1.0170
1.500	0.348	17.24	51.52	4.485	0.9486
1.600	0.299	14.82	51.96	4.651	0.9227
1.700	0.233	11.55	54.21	4.706	0.8031
1.800	0.197	9.75	53.92	4.676	0.7717
1.900	0.177	8.78	52.31	4.585	0.7789
2.000	0.161	8.00	52.73	4.456	0.7742
2.200	0.143	7.08	53.09	4.149	0.8469
2.400	0.150	7.45	53.04	3.833	1.0576
2.600	0.142	7.04	52.79	3.544	1.1592
2.800	0.127	6.28	52.45	3.757	1.1881
3.000	0.105	5.21	52.10	4.142	1.1588
3.200	0.115	5.69	51.76	4.430	1.4481
3.400	0.108	5.36	51.45	4.598	1.5170
3.600	0.102	5.05	51.18	4.660	1.5843
3.800	0.096	4.78	50.94	4.638	1.6404
4.000	0.096	4.77	50.73	4.559	1.7937

RESPONSE SPECTRUM

RECORD # S-670 E-W 1972-03-20-00-58
 STATION # AOMORI-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ARC.ERR.
 TIME LENGTH # 20.00(SEC) SKIPPED LENGTH # 11.00(SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 56.49(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.186	67.02	11.97	0.137	0.0042
0.100	1.657	93.61	56.35	0.971	0.0237
0.150	2.976	168.14	119.82	3.189	0.0947
0.200	4.995	282.17	252.44	8.377	0.2828
0.250	3.787	213.93	240.63	9.116	0.3390
0.300	2.143	121.06	162.20	6.616	0.2731
0.350	2.759	155.83	177.64	8.956	0.4824
0.400	2.743	154.93	180.71	10.067	0.6232
0.450	1.539	86.92	126.49	7.048	0.4427
0.500	1.134	64.05	104.16	6.169	0.4028
0.550	0.781	44.10	89.28	5.075	0.3345
0.600	0.633	35.75	75.37	4.497	0.3236
0.650	0.493	27.83	69.77	3.659	0.2941
0.700	0.446	25.18	66.58	3.518	0.3086
0.750	0.496	27.99	62.59	3.791	0.3965
0.800	0.563	31.79	61.88	4.233	0.5128
0.850	0.510	28.83	58.91	3.675	0.5245
0.900	0.515	29.07	61.18	4.125	0.5930
0.950	0.600	33.87	62.45	5.018	0.7712
1.000	0.636	35.94	62.22	6.065	0.9057
1.100	0.507	28.65	62.32	4.631	0.8744
1.200	0.498	28.15	57.07	5.278	1.0187
1.300	0.484	27.35	58.07	6.218	1.1591
1.400	0.431	24.33	59.75	5.743	1.1997
1.500	0.461	26.02	59.87	6.349	1.4778
1.600	0.397	22.41	59.96	5.909	1.4452
1.700	0.288	16.25	57.72	4.951	1.1853
1.800	0.192	10.85	54.76	4.410	0.8872
1.900	0.206	11.65	53.18	4.188	1.0612
2.000	0.229	12.92	53.85	4.359	1.2986
2.200	0.167	9.42	58.90	4.777	1.1421
2.400	0.194	10.95	63.38	4.799	1.5809
2.600	0.206	11.64	64.56	5.388	1.9893
2.800	0.189	10.69	63.13	5.754	2.1083
3.000	0.154	8.69	60.61	6.267	1.9564
3.200	0.127	7.19	58.12	5.979	1.8417
3.400	0.111	6.25	56.17	5.143	1.7924
3.600	0.098	5.53	55.54	4.489	1.7832
3.800	0.090	5.10	55.10	4.315	1.8446
4.000	0.091	5.17	54.52	3.990	2.0779

RESPONSE SPECTRUM

RECORD # S-670 E-W 1972-03-20-00-58
 STATION # AOMORI-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 20.00(SEC) SKIPPED LENGTH = 11.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 56.49(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.152	65.08	10.01	0.125	0.0041
0.100	1.447	81.74	38.14	0.700	0.0205
0.150	2.353	132.94	85.94	2.295	0.0740
0.200	3.061	172.92	156.85	4.908	0.1712
0.250	2.761	155.97	174.14	6.382	0.2409
0.300	1.636	92.40	127.85	5.024	0.2055
0.350	1.975	111.56	134.04	6.080	0.3379
0.400	1.753	99.03	125.15	6.865	0.3935
0.450	1.217	68.78	111.51	5.604	0.3413
0.500	0.870	49.14	98.32	4.781	0.3018
0.550	0.627	35.42	81.98	4.338	0.2622
0.600	0.507	28.62	71.52	3.857	0.2545
0.650	0.426	24.05	66.06	3.159	0.2437
0.700	0.390	22.03	62.72	3.213	0.2576
0.750	0.387	21.88	60.37	3.445	0.3038
0.800	0.411	23.19	59.54	3.487	0.3688
0.850	0.409	23.11	58.66	3.443	0.4121
0.900	0.388	21.89	59.49	3.605	0.4384
0.950	0.407	22.97	59.84	3.962	0.5202
1.000	0.428	24.20	59.79	4.085	0.6022
1.100	0.378	21.36	58.90	3.765	0.6392
1.200	0.389	21.96	52.94	3.806	0.7732
1.300	0.368	20.79	55.45	4.466	0.8508
1.400	0.300	16.96	56.95	4.501	0.8253
1.500	0.304	17.16	57.27	4.512	0.9597
1.600	0.280	15.81	57.48	4.244	0.9989
1.700	0.231	13.06	56.90	4.059	0.9258
1.800	0.188	10.63	55.69	3.999	0.8646
1.900	0.179	10.09	55.08	3.845	0.9103
2.000	0.175	9.87	55.49	3.622	0.9744
2.200	0.141	7.98	58.41	3.893	0.9137
2.400	0.145	8.20	61.27	3.842	1.1396
2.600	0.157	8.86	62.30	4.550	1.4283
2.800	0.147	8.29	61.62	4.929	1.5973
3.000	0.127	7.19	60.07	5.224	1.5229
3.200	0.111	6.29	58.36	5.164	1.5593
3.400	0.099	5.59	56.89	4.712	1.5519
3.600	0.086	4.87	55.82	4.122	1.4966
3.800	0.079	4.45	55.13	3.843	1.5440
4.000	0.077	4.38	54.75	3.674	1.7290

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-1.90	-0.20	0.40	1.70	0.00	1.10	-1.60	0.00	-5.70	0.40
2	-1.00	0.10	0.30	3.00	0.20	3.20	-2.50	1.00	-5.49	0.40
3	-0.90	0.10	-0.40	3.80	0.40	4.50	-2.70	2.10	-3.59	0.40
4	1.20	0.10	1.10	4.09	0.70	5.00	0.10	2.90	0.10	0.40
5	4.69	-1.30	2.60	2.60	4.19	1.70	1.70	3.39	1.00	-0.00
6	2.50	-2.80	0.70	0.70	1.10	2.40	2.40	0.80	2.10	-1.30
7	-0.90	-2.80	0.40	-0.60	1.10	0.50	3.20	-0.50	3.80	-1.90
8	-2.00	-1.20	1.10	-0.60	1.10	-0.90	3.10	-2.80	3.80	-1.80
9	-1.00	-0.30	1.10	-0.60	1.10	-3.80	2.60	-2.90	3.80	-1.20
10	0.00	-0.30	1.10	-0.60	0.90	-4.30	1.50	-2.90	3.80	-0.20
11	1.30	0.00	2.00	-0.60	0.20	-5.30	0.80	-1.60	3.50	0.10
12	1.30	0.10	2.40	-0.20	0.20	-5.50	0.20	0.70	2.80	0.60
13	-0.00	0.50	2.80	-0.20	0.20	-4.80	-0.20	-0.20	2.70	1.10
14	-0.90	-0.50	1.80	-0.20	0.70	-4.10	-0.20	-0.20	3.10	1.40
15	-0.80	-1.90	-0.40	-0.40	0.90	-3.70	0.10	0.20	3.70	1.60
16	-0.50	-1.90	-0.90	-0.30	0.80	-2.20	0.30	0.30	3.60	1.00
17	-0.20	-1.00	-1.80	0.10	-0.10	-2.00	0.60	0.30	3.30	0.20
18	0.90	0.10	-2.30	0.40	-1.90	-0.20	0.60	0.80	2.20	-0.10
19	1.70	1.00	-2.30	0.80	-1.90	1.20	0.30	1.50	0.40	-0.10
20	1.30	1.00	-2.40	1.10	-0.60	3.40	-0.00	2.20	-0.20	0.90
21	0.50	1.00	-1.00	0.20	0.70	4.50	-0.30	2.90	0.70	0.90
22	-0.90	0.10	2.10	-0.40	2.10	5.29	-0.30	2.20	-0.90	-1.30
23	-2.20	-0.40	3.80	-1.00	2.20	4.09	-0.30	0.20	-1.40	-2.10
24	-2.30	-0.20	4.30	-1.40	1.40	2.70	0.70	-0.70	-1.40	-2.20
25	-2.00	0.10	4.39	0.00	1.20	0.70	0.80	-1.20	-1.40	-1.20
26	-1.50	0.50	3.10	1.00	0.60	-0.60	1.20	-1.90	-1.60	0.00
27	1.00	0.50	1.60	1.90	0.60	-0.10	1.50	-1.90	-1.80	1.30
28	2.70	0.50	0.10	2.90	1.70	0.	1.90	-1.90	-2.00	1.90
29	3.20	-0.30	-0.50	3.60	2.10	0.	1.90	-1.90	-0.70	1.90
30	2.40	-2.00	-1.20	3.30	2.40	0.	1.90	-1.90	-0.70	1.90
31	1.60	-3.80	-1.20	1.80	2.80	0.	1.90	-1.90	1.60	1.10
32	1.10	-4.00	-1.20	0.80	1.50	0.50	1.90	0.10	3.00	1.10
33	1.10	-2.80	-1.30	-0.40	-0.00	0.60	0.80	0.10	3.70	0.70
34	0.60	-0.40	-1.00	-0.80	-0.50	0.60	0.	0.40	3.70	-0.00
35	-0.20	1.10	-1.00	-1.00	-0.50	0.60	0.	0.30	3.10	-0.50
36	-0.80	2.40	-1.00	-1.10	0.00	-0.00	0.00	0.40	2.50	-1.00
37	0.40	3.00	-1.00	-1.10	0.70	-1.40	1.10	-0.40	2.00	-1.40
38	0.40	1.90	-1.00	-0.20	1.50	-3.30	1.20	-1.00	1.90	-1.60
39	-0.60	1.10	-0.70	1.10	0.80	-4.20	1.20	-1.50	2.00	-0.80
40	-1.90	0.80	-0.60	0.70	0.80	-4.20	1.20	-1.90	1.90	-0.80
41	-2.30	1.10	-0.30	0.80	-0.30	-3.00	1.40	-0.10	1.80	-0.30
42	-2.30	1.20	-0.30	0.70	-2.50	-1.50	1.40	3.00	1.80	1.20
43	-2.30	0.50	0.70	0.70	-4.30	-0.30	1.40	3.60	-0.10	0.30
44	-2.20	-0.20	1.60	1.10	-4.90	1.00	1.40	3.80	-1.00	0.70
45	-0.80	-0.50	1.90	1.30	-4.49	2.30	1.10	2.80	-1.40	1.10
46	2.10	-0.80	0.60	1.70	-2.70	2.70	0.30	0.90	-1.40	-0.80
47	3.60	-0.80	-1.30	1.70	-1.40	2.10	-0.00	0.90	-1.20	-1.40
48	3.69	-0.90	-2.80	0.40	-1.60	1.20	-0.50	3.70	-0.40	-1.90
49	1.60	-0.60	-3.19	0.10	0.20	-0.20	-0.80	5.10	-0.40	-0.80
50	-0.20	0.10	-0.30	0.	0.70	-0.80	-0.90	5.70	0.40	0.60

RECORD=5-670
DATE AND TIME=1972-03-20-00-58
COMPONENT=N-S
SAMPLING INTERVAL= 0.010(SEC)

SIGNAL=GR.ACC,
CORRECTION=ARD.ERR,
FORMAT NO.#301

STATION=AQMORI-S
TOTAL NUMBER OF DATA= 5900

RECORD=S-670 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=AOHORI-S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5900

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	0.60	1.50	-3.70	3.10	-1.40	2.90	0.40	1.20	-1.40	-1.00
2	0.60	1.60	-2.50	-3.20	-1.40	1.90	0.30	1.20	-1.40	-1.50
3	0.60	1.50	1.10	3.20	0.10	0.40	0.40	1.20	-1.40	-1.60
4	1.20	1.40	0.00	1.70	0.60	-0.40	-0.30	1.20	-0.40	-1.70
5	1.60	1.80	1.30	0.30	1.10	-0.50	-0.50	0.80	0.30	-1.70
6	1.80	1.70	2.30	-0.20	1.60	-0.40	-0.50	0.30	0.80	-1.70
7	1.70	2.10	3.20	-0.90	2.10	-0.40	-0.20	0.60	1.40	-1.70
8	1.70	2.20	3.60	-1.60	2.60	-0.40	0.30	0.70	1.70	-1.30
9	1.10	2.20	4.10	-3.40	4.21	-0.40	1.10	1.30	1.80	-0.80
10	0.50	2.20	4.10	-4.00	5.60	-0.40	1.10	1.70	1.80	0.20
11	0.40	0.30	4.20	-3.20	5.59	-0.40	1.10	2.20	1.40	0.20
12	0.40	-0.70	3.00	-2.00	3.99	-0.50	0.20	3.10	0.40	0.50
13	0.60	-1.50	3.20	-0.80	1.90	-0.40	-1.40	3.20	0.40	1.10
14	1.00	-1.50	3.20	1.10	-0.70	-0.10	-1.90	2.20	0.	1.50
15	1.10	-1.30	3.20	3.00	-2.00	0.60	-1.90	2.20	0.	1.50
16	0.70	-1.50	2.60	4.20	-4.10	1.10	-1.90	0.60	0.	1.80
17	0.20	-1.50	1.30	4.80	-5.20	1.90	-1.60	0.20	0.	2.10
18	-0.20	-1.50	0.30	4.90	-6.00	2.40	-0.80	0.90	0.	2.20
19	-0.60	-0.40	-0.50	4.80	-6.10	2.90	-0.10	0.90	0.	2.50
20	2.10	0.20	-0.60	4.90	-6.10	2.80	-0.10	0.90	0.00	2.10
21	3.90	0.70	-0.90	4.80	-5.50	2.90	-0.10	1.00	0.60	2.10
22	4.90	1.20	-1.40	4.79	-4.90	0.50	0.	0.60	0.70	2.00
23	5.19	1.10	-1.40	3.30	-3.60	0.30	0.	0.10	0.60	1.40
24	4.20	1.10	0.10	1.80	-2.50	0.30	0.	1.00	0.60	0.90
25	3.20	1.30	0.40	0.10	-0.70	0.20	-0.00	1.50	0.10	0.50
26	2.10	1.30	0.40	-1.50	1.10	0.10	-0.90	1.40	0.10	0.50
27	0.40	1.20	-0.20	-2.90	1.80	0.10	-2.00	1.40	0.10	1.40
28	-0.30	1.20	-0.90	-4.00	2.40	0.10	-2.70	1.10	0.70	2.60
29	-0.80	1.20	-1.80	-4.00	2.60	0.10	-1.40	0.80	0.80	3.00
30	-1.00	0.50	-1.80	-3.99	3.10	0.20	-1.40	0.80	0.80	3.00
31	-1.00	-0.20	-0.10	-1.50	3.10	0.50	0.10	0.70	0.80	1.90
32	0.30	-0.40	1.20	-0.20	3.10	1.20	1.20	0.80	0.70	1.50
33	1.20	-0.50	2.10	0.60	3.50	1.80	1.70	0.80	1.10	1.00
34	2.60	-0.80	2.30	0.50	3.80	1.20	1.70	0.80	1.70	0.90
35	3.50	-0.80	3.00	-0.20	3.80	1.20	1.70	0.80	2.20	0.90
36	3.80	-0.80	3.30	-2.10	4.20	0.80	1.80	0.80	2.60	0.80
37	3.40	-0.80	3.30	-2.10	4.20	1.30	1.70	0.80	3.10	0.00
38	1.70	-1.40	3.30	-3.60	4.20	1.70	0.60	1.20	1.60	0.50
39	-0.10	-1.90	1.80	-3.69	3.09	1.70	0.60	1.20	0.10	0.10
40	-0.10	-2.20	0.30	-1.40	0.60	1.70	0.60	0.80	-0.90	-0.10
41	-0.70	-2.20	-0.20	-1.50	0.80	1.70	0.60	0.80	-1.40	-2.80
42	-0.90	-1.40	-0.50	1.70	-2.80	0.80	0.60	0.10	-1.40	-2.80
43	-1.40	-0.90	-0.90	2.80	-3.50	-0.00	0.60	0.20	-2.40	-2.30
44	-1.40	0.00	-0.90	3.60	-3.60	1.20	0.10	0.30	-2.90	-1.40
45	-0.90	0.20	-0.90	3.60	-2.50	-0.90	-0.20	0.20	-2.90	-0.30
46	0.00	0.10	-0.50	3.60	-2.90	-2.90	-0.80	0.	-2.90	0.70
47	0.70	0.20	1.10	3.60	-2.80	-2.80	-0.80	0.00	-2.10	0.90
48	1.00	-0.90	2.20	2.90	-0.90	0.00	-0.40	0.70	-1.00	0.90
49	1.10	-2.10	3.00	1.40	4.30	0.40	-0.40	0.70	-1.00	1.10
50	1.50	-3.70	3.10	0.10	4.29	0.40	-0.90	1.50	-1.00	1.20
										1.60

RECORD#S-670	COMPONENT=N-S	SIGNAL=GR-ACC.	CORRECTION=ARO.ERR.	TOTAL NUMBER OF DATA= 5900					
DATE AND TIME=1972-03-20-00-58	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301							
NO.	(1000)	(1050)	(1100)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	2.10	1.90	-1.80	3.80	7.21	11.52	25.68	-26.69	-24.13
2	2.30	1.90	-1.80	4.20	7.79	12.24	15.94	-29.18	-24.13
3	2.90	1.90	-1.60	3.60	6.99	13.43	4.76	-27.37	-23.83
4	3.00	1.90	-1.00	2.90	5.79	14.21	-3.93	-22.17	-21.60
5	3.00	1.10	-0.40	2.80	4.50	14.50	-12.16	-14.82	-17.74
6	2.10	0.00	0.00	2.80	3.70	14.50	-10.83	7.15	-13.97
7	0.40	-0.00	0.00	2.10	2.60	14.43	-8.14	2.99	-10.92
8	-1.00	-1.00	-0.00	2.10	2.80	12.85	-3.98	0.20	-4.16
9	-2.70	-1.40	-0.30	1.90	1.20	11.36	0.70	3.61	13.59
10	-3.50	-1.30	-0.50	1.80	-1.30	9.96	0.70	7.52	17.24
11	-3.50	-1.30	-0.50	1.50	-6.03	12.71	5.31	9.05	16.45
12	-3.10	-1.30	-0.50	1.50	-10.43	16.09	6.39	11.70	15.51
13	-1.40	-0.30	0.00	1.20	-11.61	19.55	5.58	11.80	12.95
14	-0.50	-0.90	0.90	1.00	-12.12	21.44	2.19	11.78	17.89
15	0.20	-0.30	1.70	1.00	-12.61	23.45	-4.57	11.09	-14.47
16	0.90	-0.20	2.40	1.00	-13.20	21.76	-20.58	10.81	-20.67
17	0.90	0.10	2.90	1.00	-13.30	16.37	-30.74	11.45	-24.36
18	0.90	0.60	4.40	1.20	-13.20	6.24	-37.08	-24.90	-24.90
19	0.90	0.60	4.40	1.00	-13.14	-0.60	-36.65	-26.23	6.18
20	0.90	0.60	5.09	0.40	-11.57	-1.51	-29.90	11.65	-26.23
21	0.30	0.60	3.90	0.20	-10.58	-22.91	-22.03	9.37	-26.12
22	1.90	-0.20	3.20	0.20	-9.59	-30.77	-15.31	7.73	-23.78
23	4.20	-1.80	2.70	0.90	-9.00	-34.25	-13.47	2.09	-17.83
24	5.00	-2.80	2.10	0.90	-8.99	-35.60	-7.65	33.70	7.35
25	4.99	-2.90	1.30	0.40	-8.60	-35.31	-3.89	44.30	5.16
26	3.80	-1.90	1.30	-1.50	-8.30	-34.10	2.30	44.30	16.23
27	3.30	-1.90	0.70	-4.90	-8.30	-32.61	6.61	44.90	23.42
28	3.30	-0.90	0.40	-5.30	-8.31	-31.41	8.10	24.44	24.44
29	3.30	0.70	0.10	-5.29	-8.81	-30.40	8.17	25.55	25.55
30	2.30	2.00	0.00	-3.40	-9.52	-28.26	8.17	22.90	26.62
31	0.50	2.20	0.00	-2.30	-10.50	-23.43	6.28	22.50	21.20
32	-0.80	3.00	0.00	-2.30	-10.71	-20.90	4.10	33.30	27.04
33	-1.40	3.00	0.00	-2.20	-11.01	-15.77	3.90	34.71	25.53
34	-1.40	3.20	0.00	-1.80	-11.20	-9.82	3.90	35.81	21.00
35	-1.40	3.40	0.00	-1.80	-11.20	-1.40	3.90	36.31	17.07
36	-0.70	4.09	0.10	-1.10	-11.20	2.91	3.90	37.91	14.97
37	0.00	2.70	0.20	1.60	-11.30	6.99	5.61	38.40	12.39
38	0.30	1.20	0.40	3.10	-11.26	15.70	7.73	38.16	16.10
39	0.30	0.50	0.40	3.90	-9.97	15.97	10.12	35.56	12.00
40	-0.90	0.40	0.60	4.70	-8.35	21.20	11.21	0.90	16.86
41	-1.80	-0.60	0.90	4.70	-4.79	26.79	11.89	7.95	-16.04
42	-2.80	-1.30	0.90	4.70	-2.60	32.96	11.01	11.57	-12.96
43	-3.99	-1.70	1.00	5.80	1.30	38.43	7.47	14.08	-4.13
44	-1.70	-1.70	1.00	2.60	4.62	43.09	4.58	16.03	-11.09
45	0.50	-1.70	1.00	1.20	9.41	43.09	1.20	19.99	13.95
46	1.20	-1.70	0.90	-0.60	9.80	47.28	-1.80	19.68	-14.40
47	-1.30	-1.30	1.00	-0.60	9.80	49.52	-1.80	17.03	22.43
48	0.90	-0.90	1.00	1.10	9.80	47.56	-4.32	12.83	-14.40
49	1.90	-1.50	3.10	4.31	9.82	42.27	-10.03	8.17	-17.57
50	1.90	-1.80	3.40	5.61	10.62	34.35	-21.89	6.29	30.15
									-24.31
									29.28

NO.	COMPONENT#N-S					SIGNAL#GR.ACC.					CORRECTION#ARC.ERR.					STATION#AOMORI=S				
	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	25.33	-16.23	7.60	-3.99	21.78	-19.91	-5.39	13.54	-20.19	7.57										
2	20.15	-23.97	-8.00	-1.70	20.30	-18.70	-3.59	12.02	-26.21	-5.08										
3	16.34	-27.27	-8.19	-0.20	15.93	-15.89	-0.60	9.32	-15.40	-1.40										
4	13.55	-24.06	-7.18	2.30	11.18	-10.29	6.90	5.00	-28.23	-1.20										
5	9.71	-28.97	-4.98	4.41	6.66	-5.37	16.41	1.00	-21.94	-0.01										
6	5.50	-30.18	-2.10	6.02	2.59	-0.60	20.16	1.30	-15.55	-5.90										
7	5.50	-29.34	-1.00	8.43	-2.11	2.91	22.90	6.82	-3.96	-6.00										
8	5.50	-24.68	0.00	10.34	-8.92	6.02	22.90	6.34	-6.20	-6.30										
9	5.50	-15.53	1.70	12.26	-16.14	9.11	22.90	8.87	11.45	-6.30										
10	5.48	-7.00	4.31	14.33	-24.16	9.10	22.82	13.20	13.20	-6.30										
11	2.10	-6.99	7.32	17.25	-39.43	9.80	20.27	-13.41	13.30	-6.30										
12	-2.60	-5.94	8.71	19.51	-32.27	10.01	18.76	-15.21	15.46	-6.30										
13	-5.01	4.71	9.11	20.89	-31.64	10.73	16.88	-13.63	15.02	-6.30										
14	-7.73	4.71	9.88	21.89	-27.98	12.02	14.95	-15.73	15.46	-6.29										
15	-10.31	6.00	8.75	22.80	-24.88	12.64	11.84	-16.30	14.55	-5.29										
16	-10.70	6.50	5.49	23.60	-21.38	13.96	6.54	-16.30	11.21	-4.20										
17	-10.73	6.35	3.59	23.53	-20.39	15.43	-0.20	-16.27	7.98	3.00										
18	-12.00	1.20	1.30	22.31	-20.50	18.04	-5.54	-15.41	6.66	1.10										
19	-15.58	-9.27	3.00	16.21	-20.00	19.94	-5.54	-9.72	0.30	0.30										
20	-21.05	-18.88	1.20	9.55	-17.51	20.42	-15.76	3.53	2.59	1.50										
21	-25.61	-28.14	4.32	2.19	-11.79	20.60	-20.51	16.41	-7.43	1.10										
22	-28.00	-34.65	8.82	-5.26	-4.92	20.54	-22.67	25.02	-9.62	1.10										
23	-30.72	-35.91	15.92	-15.39	9.66	19.70	-23.40	26.64	-10.80	1.10										
24	-31.64	-30.19	21.81	-29.69	17.50	17.28	-23.40	23.43	-10.80	1.10										
25	-30.84	-21.45	26.12	-39.77	19.06	13.76	-23.24	18.07	-10.76	1.10										
26	-25.87	-9.22	30.74	-44.22	20.86	8.15	-21.80	13.54	-8.97	2.00										
27	-17.75	5.37	32.21	-44.84	19.17	4.99	-16.71	8.72	-7.20	4.34										
28	-6.33	16.68	30.00	-44.03	15.18	2.20	-11.93	4.18	-7.19	13.04										
29	1.91	19.83	24.21	-39.49	12.78	1.20	-6.54	30.00	-6.37	13.96										
30	12.26	23.42	18.63	-29.86	12.19	0.10	0.40	33.71	-3.28	10.70										
31	14.20	23.51	17.22	-16.71	12.07	-1.10	5.91	36.81	3.71	6.57										
32	16.48	22.54	9.99	-8.94	14.27	-2.30	7.09	38.00	7.84	3.29										
33	17.84	20.29	0.40	-5.58	18.07	-3.51	6.50	38.00	11.24	1.10										
34	19.75	19.32	-8.90	-2.90	20.65	-7.21	6.50	38.00	12.64	0.30										
35	20.34	21.84	-14.62	-2.90	23.31	-8.44	6.80	36.38	13.94	0.30										
36	20.88	22.20	-19.65	-2.90	24.97	-10.84	7.20	33.99	14.82	0.30										
37	21.71	21.66	-23.92	-2.40	25.28	-12.30	7.40	31.10	15.27	0.30										
38	21.80	16.31	-27.41	-1.90	25.99	-12.40	7.30	28.10	14.51	0.30										
39	21.57	8.22	-30.24	-1.70	26.00	-12.40	7.39	26.94	12.39	0.30										
40	19.33	2.99	-30.20	-1.70	26.50	-12.29	6.57	25.62	10.67	0.30										
41	17.39	-2.61	-26.97	-1.70	26.50	-12.10	3.49	24.94	9.20	0.30										
42	17.27	-10.22	-22.48	-1.70	26.50	-12.07	1.50	24.28	8.69	0.30										
43	16.77	-10.92	-17.95	-2.89	26.50	-12.07	0.40	23.64	8.69	0.30										
44	14.54	-11.50	-14.41	2.20	26.50	-12.07	0.40	23.64	8.69	0.30										
45	8.98	-11.57	-10.33	3.92	26.50	-12.07	0.40	23.64	8.69	0.30										
46	2.20	-10.34	-7.28	9.62	26.50	-12.07	0.40	23.64	8.69	0.30										
47	-0.80	-7.79	-5.40	15.75	26.50	-12.07	0.40	23.64	8.69	0.30										
48	-4.62	-7.19	-5.00	20.35	26.50	-12.07	0.40	23.64	8.69	0.30										
49	-10.06	-6.70	-5.00	21.90	26.50	-12.07	0.40	23.64	8.69	0.30										
50	-12.71	-6.71	-4.80	21.90	26.50	-12.07	0.40	23.64	8.69	0.30										

RECORD=S-670	COMPONENT=N-5	SIGNALGR.ACC.	CORRECTION=ARC.ERR.	STATION=AOHORI=S				
DATE AND TIME=1977-03-20-00-58	SAMPLING INTERVAL= 0.0101(SEC)	FORMAT No.=B01	TOTAL NUMBER OF DATA# 5900					
NO.	(2000)	(2100)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-1.50	4.70	-11.42	3.71	-3.00	5.00	0.60	7.39
2	-0.40	4.70	-12.11	5.80	-5.42	5.00	2.10	6.70
3	1.30	4.00	-12.27	6.20	-8.44	4.20	3.50	6.20
4	1.90	2.80	-11.29	6.40	-10.84	3.20	3.50	6.20
5	-1.00	2.70	-7.45	6.89	-11.40	2.90	3.50	6.20
6	-4.41	2.40	-1.60	6.29	-11.39	2.10	3.49	6.20
7	-7.33	3.60	5.13	5.13	-10.94	1.60	-0.30	6.50
8	-9.83	4.91	10.21	4.19	-8.45	1.10	-1.80	6.50
9	-11.30	7.22	15.19	2.80	-5.47	0.70	-3.00	6.60
10	-11.18	9.03	17.01	0.00	-1.50	0.40	-3.20	6.90
11	-10.46	10.59	17.10	-3.00	-0.10	0.20	-4.00	7.00
12	-8.66	14.38	17.10	-3.00	2.00	0.20	-4.40	7.00
13	-0.20	16.21	17.10	-4.60	4.20	0.20	-5.20	7.00
14	6.97	16.30	16.75	-5.60	4.90	0.20	-5.20	7.00
15	13.66	16.30	11.26	-4.99	4.90	0.20	-5.60	6.20
16	15.10	16.24	9.89	-3.60	4.09	0.30	-4.99	5.60
17	15.17	15.00	9.18	2.50	2.20	2.80	-3.99	5.60
18	14.55	10.87	8.08	-1.60	-0.40	5.24	-2.50	4.91
19	13.80	2.20	6.57	-1.00	-1.10	7.21	-1.20	6.80
20	10.67	-2.20	2.99	-0.80	-1.10	7.80	-0.90	7.81
21	9.26	-6.12	0.50	-0.50	-1.10	7.88	-0.90	8.21
22	7.07	-9.17	-3.81	-1.10	1.10	6.29	-0.90	8.70
23	4.39	-7.59	-5.80	-1.40	4.01	4.59	-0.40	8.60
24	1.50	-6.99	-6.41	-1.40	7.03	2.80	-0.20	8.60
25	-0.80	-5.79	-7.50	-1.50	10.12	1.60	-0.20	8.70
26	-2.40	-4.39	-7.60	-1.90	11.21	1.40	-0.20	8.60
27	-2.40	5.30	-7.60	-2.60	11.60	0.10	-0.70	8.50
28	-2.40	0.30	-7.57	-3.40	11.70	0.20	-1.70	8.40
29	-2.50	1.90	-5.40	-4.20	11.60	0.50	-2.80	8.40
30	-2.50	2.40	-5.10	-4.20	11.60	0.50	-3.30	8.40
31	-2.80	3.80	-4.29	-4.20	11.60	0.50	-3.80	8.40
32	-4.70	2.40	-5.10	-3.70	12.34	0.50	-4.30	8.40
33	-5.51	2.10	-4.79	-2.00	13.43	0.50	-4.40	8.40
34	-7.00	2.00	-3.60	-1.40	14.12	0.20	-4.39	8.00
35	-7.41	3.10	-2.40	0.00	14.62	0.90	-1.40	7.80
36	-8.00	3.10	-1.30	1.80	15.08	3.30	2.30	7.79
37	-8.18	3.20	0.10	3.81	14.60	5.30	4.71	7.30
38	-6.98	3.70	1.20	6.91	12.42	5.70	6.30	6.99
39	-4.99	4.50	2.10	7.51	9.91	6.00	6.60	5.99
40	-3.20	4.51	1.60	8.31	5.89	6.11	6.60	4.79
41	-1.20	7.51	0.80	8.70	4.19	7.32	6.61	3.19
42	1.00	8.30	-0.90	8.39	0.90	8.31	3.09	0.00
43	3.00	8.40	-0.90	7.78	-0.90	9.31	7.52	-1.00
44	3.10	8.28	-1.10	6.20	-1.80	-10.11	9.01	-1.00
45	3.80	6.68	-1.10	6.19	-1.80	-10.60	9.81	-4.71
46	3.80	0.90	-1.00	5.10	-1.80	-10.67	10.40	-6.02
47	3.80	1.70	-1.00	5.09	-1.80	-9.47	10.40	-8.41
48	4.70	1.00	-1.00	3.50	-1.20	-7.66	10.40	-9.21
49	4.70	0.40	0.00	2.50	0.00	-7.90	10.37	-10.01
50	4.70	-1.60	2.10	0.50	4.20	2.50	8.99	-10.60
							8.29	-10.59

RECORD=S-670 DATE AND TIME=1972-03-20-00-58	COMPONENT=N-S	SIGNAL=GR.ACC.	CORRECTION=ARC.ERR. FORMAT N0, #301	STATION=AOMORI-S				
NO.	(2500)	(2600)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
	TOTAL NUMBER OF DATA= 5900							
1	+9.96	2.10	0.30	-4.60	4.50	-0.80	10.51	3.70
2	-8.09	2.10	-0.40	-4.69	5.10	0.50	10.80	2.50
3	-7.40	2.80	-1.10	-3.29	5.30	1.70	10.80	1.10
4	+7.10	2.80	-0.70	-0.70	5.40	2.10	10.75	0.00
5	+7.10	3.00	-2.60	2.50	5.40	2.10	10.75	-1.80
6	-7.00	3.00	-2.60	5.50	5.81	2.10	10.75	-2.80
7	-7.00	2.40	-3.70	5.70	6.91	1.20	10.75	-3.60
8	-6.69	1.10	-4.81	5.90	7.51	0.50	10.75	-4.10
9	-5.99	-0.30	-2.90	6.41	8.01	0.	10.75	-4.10
10	-1.40	-1.40	-0.50	7.00	8.70	0.	10.75	-4.30
11	-2.50	-1.40	-6.09	7.00	8.67	0.	10.75	-4.30
12	-2.40	-1.40	-4.99	7.01	6.38	0.	10.75	-4.30
13	-2.40	-1.40	-3.40	7.61	6.38	0.	10.75	-4.30
14	-3.30	-1.40	-3.70	8.81	3.70	0.	10.75	-3.10
15	-4.80	-1.10	-2.20	9.82	2.80	-0.00	10.75	-2.20
16	-5.30	0.10	-0.40	10.20	2.80	-0.60	10.75	-0.50
17	-6.00	1.10	-0.20	10.18	3.40	-1.70	10.75	0.70
18	-6.00	2.70	0.	9.07	4.91	-4.91	10.75	1.30
19	-6.50	4.30	0.	7.19	7.22	-6.00	10.75	2.40
20	-6.39	5.30	1.60	6.30	9.01	-6.50	10.75	1.80
21	-5.00	6.01	2.20	5.90	9.41	-6.50	10.75	1.00
22	-4.10	6.80	-1.40	5.90	9.80	-6.09	10.75	-0.30
23	-3.50	6.70	2.20	5.90	9.80	-4.99	10.75	4.20
24	-3.20	6.50	3.00	4.71	9.80	-3.00	10.75	3.00
25	-3.20	6.50	3.00	4.70	9.80	-1.40	10.75	4.70
26	-3.20	6.20	7.31	3.70	9.79	0.10	10.75	3.40
27	-3.80	6.30	8.31	2.80	9.40	1.70	10.75	4.70
28	-3.80	6.40	8.71	1.50	9.37	1.90	10.75	3.70
29	-3.79	6.80	9.11	0.90	7.96	2.00	10.75	2.00
30	-1.80	6.70	9.40	-0.10	5.39	2.00	10.75	0.20
31	0.90	6.80	-2.40	-0.10	5.39	2.20	10.75	2.70
32	3.30	6.90	-1.00	-0.50	5.39	2.20	10.75	1.50
33	4.40	7.10	6.79	-0.50	2.80	2.20	10.75	3.80
34	5.40	7.50	0.10	-0.50	2.80	2.20	10.75	4.70
35	5.40	7.50	0.10	-0.50	1.90	2.10	10.75	3.20
36	5.40	7.50	0.10	-1.40	1.10	2.10	10.75	5.40
37	4.59	7.50	0.10	-2.80	1.40	2.20	10.75	2.00
38	2.99	7.20	4.30	-3.90	2.40	2.20	10.75	0.10
39	0.30	6.80	3.90	-4.71	3.50	0.40	10.75	0.80
40	-0.90	6.80	3.90	-6.41	3.90	0.40	10.75	1.60
41	-1.60	7.31	2.40	-7.10	3.80	0.40	10.75	1.80
42	-2.90	8.01	1.10	-7.10	4.00	0.40	10.75	0.90
43	-2.90	8.40	-0.50	-7.09	3.40	0.40	10.75	1.10
44	-2.90	8.49	-6.59	-6.59	1.90	-0.20	10.75	0.70
45	-2.90	7.68	-2.30	-5.69	0.60	-0.80	10.75	0.90
46	-2.90	6.39	-4.69	-4.69	-0.20	-1.20	10.75	0.90
47	-1.60	5.30	-2.30	-2.70	-0.20	-1.20	10.75	1.40
48	0.00	5.20	-0.40	-2.70	-4.50	-1.20	10.75	6.90
49	1.70	4.39	0.30	-3.70	-4.50	-1.40	10.75	5.89
50	2.10	3.10	-4.30	3.50	-3.00	-2.10	10.75	4.30
					-2.30	-2.40	10.75	9.81

RECORD=S-670 COMPONENT=N-S SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=AOMORI-S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5900

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	-5.50	2.10	-4.20	2.40	-3.50	6.19	4.00	-2.60	1.80	12.40
2	-5.60	3.00	-4.00	2.40	-2.70	4.60	3.60	-2.60	2.10	12.39
3	-5.20	3.90	-3.60	1.90	-2.00	3.60	3.20	-3.00	2.50	12.18
4	-4.59	5.10	-3.00	0.90	-1.60	2.90	3.00	-3.60	2.90	11.46
5	-3.40	5.60	-1.60	-0.40	-2.10	2.90	3.00	-4.41	3.90	10.08
6	-1.60	5.09	-1.00	-1.70	-2.80	2.90	3.50	-6.12	5.01	9.17
7	-0.30	4.10	0.40	-2.30	-4.00	3.10	3.90	-8.52	6.01	7.79
8	1.10	3.10	3.50	-2.30	-5.41	3.40	4.00	-9.81	6.70	6.90
9	4.11	2.60	-2.00	-2.00	-6.41	3.90	4.30	-10.51	6.80	6.60
10	6.52	2.00	5.30	-1.50	-8.12	4.50	3.90	-10.80	6.80	6.70
11	8.40	1.50	5.60	-1.30	-9.41	5.21	2.90	-11.00	6.50	7.00
12	8.49	0.80	6.00	-1.60	-10.00	6.41	1.70	-11.10	6.00	7.20
13	8.08	0.10	6.40	-2.20	-9.99	7.71	-0.00	-11.10	5.70	7.10
14	6.98	-0.40	6.80	-2.60	-9.57	8.41	-1.80	-11.10	5.10	7.00
15	4.89	-0.70	6.79	-3.10	-8.29	9.11	-3.20	-10.99	4.90	6.80
16	3.80	-0.50	6.10	-3.40	-7.38	9.81	-4.10	-10.57	4.60	6.70
17	2.50	0.40	5.70	-3.40	-5.69	10.41	-5.00	-9.48	4.30	7.00
18	2.20	2.20	5.40	-3.70	-4.39	10.81	-5.20	-8.48	4.20	7.00
19	2.40	4.51	5.50	-4.00	-3.00	11.10	-4.80	-7.38	4.20	6.69
20	2.80	6.81	6.10	-4.60	-2.00	11.20	-4.80	-5.79	4.80	5.99
21	3.60	7.71	6.70	-5.40	-0.60	11.20	-4.80	-4.80	5.10	5.19
22	4.80	8.30	7.21	-6.01	0.50	11.09	-5.30	-3.30	5.60	4.10
23	5.81	8.30	7.81	-6.91	2.70	10.79	-5.30	-2.30	5.90	3.00
24	6.60	8.39	8.71	-8.01	4.00	10.38	-5.50	-1.20	6.30	2.00
25	7.10	7.99	9.50	-8.80	4.90	9.58	-5.70	-0.50	6.60	1.20
26	6.70	7.59	9.48	-8.59	5.30	8.69	-5.50	0.10	6.80	1.20
27	6.49	7.10	8.67	-7.89	5.10	7.78	-4.90	-0.20	7.00	1.30
28	5.79	6.80	6.97	-7.19	5.10	6.29	-4.40	-0.20	7.30	1.60
29	4.39	6.90	3.70	-6.19	5.10	5.70	-4.00	-0.40	7.70	1.90
30	2.10	7.30	2.50	-5.29	5.50	5.60	-3.00	-0.60	7.70	2.40
31	0.80	7.70	1.60	-4.40	5.60	6.31	-2.30	-0.70	7.70	2.60
32	-0.60	7.90	1.40	-4.00	6.00	6.91	-2.30	-0.70	7.59	2.90
33	-2.10	7.90	1.00	-3.70	6.41	7.41	-2.30	-0.40	7.10	2.90
34	-2.50	7.69	0.40	-3.70	7.11	8.31	-2.30	0.30	6.79	2.90
35	-2.10	7.09	0.10	-4.00	8.01	8.81	-2.30	0.70	6.20	2.40
36	-1.30	6.59	0.10	-4.60	9.02	9.40	-2.40	1.00	5.70	2.10
37	-0.80	5.39	0.90	-5.60	9.91	9.89	-2.40	1.30	5.20	1.80
38	-0.20	4.40	2.10	-6.10	10.52	8.09	-2.90	1.50	5.30	1.50
39	-0.10	3.50	3.10	-6.40	11.21	7.29	-3.60	1.50	5.30	1.10
40	0.10	1.80	3.90	-6.40	11.40	6.20	-4.20	1.60	5.50	1.20
41	0.70	0.70	4.50	-5.90	11.29	5.70	-5.10	2.00	6.10	1.20
42	0.60	0.30	3.80	-5.40	11.09	5.00	-5.80	2.50	6.61	1.20
43	0.10	-0.30	2.90	-5.00	10.90	5.00	-5.80	2.50	7.31	0.80
44	-0.50	-0.90	1.60	-4.70	10.80	5.00	-5.40	2.50	8.01	0.10
45	-0.70	-1.60	0.70	-5.20	10.80	4.80	-5.40	2.80	8.81	-0.20
46	-0.70	-2.30	0.20	-5.30	10.99	4.50	-5.00	2.80	9.72	-1.20
47	-0.20	-3.30	0.20	-5.30	10.48	4.40	-4.60	2.00	10.52	-2.30
48	0.30	-4.00	0.80	-5.10	9.68	4.20	-3.70	2.00	11.21	-3.20
49	0.80	-4.30	1.30	-4.70	8.68	4.10	-3.20	1.80	11.61	-3.60
50	0.90	-4.20	1.90	-4.00	7.39	4.20	-2.70	1.80	12.11	-4.40

NO.	COMPONENTS N-S					SIGNAL GR. ACC.					CORRECTION ARC. ERR.					STATION ADHORI-S				
	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	-5.40	-3.20	7.40	-3.30	5.10	-0.00	-2.20	0.80	7.00	-2.00	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	-2.00
2	-5.80	-2.90	7.30	-3.80	5.60	-0.60	-2.00	1.80	7.00	-2.00	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	-2.80
3	-6.00	-2.30	7.10	-4.50	5.80	-1.60	-1.30	2.60	6.70	-1.30	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	2.60	-3.10
4	-5.60	-1.60	7.10	-4.40	6.00	-2.50	-0.60	3.40	6.10	-0.60	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	-4.00
5	-5.61	-1.20	7.20	-4.40	6.10	-4.20	0.00	4.20	5.90	0.00	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	-4.70
6	-6.60	-1.00	7.20	-3.30	5.90	-4.80	0.30	4.60	5.71	0.30	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	4.60	-4.60
7	-6.70	0.00	7.10	-2.40	5.50	-5.70	0.90	6.60	4.70	0.90	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60	6.60	-5.30
8	-6.50	1.30	7.50	-1.70	5.20	-6.41	2.70	7.11	4.10	2.70	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	7.11	-6.00
10	-5.70	2.10	7.80	-1.30	5.10	-7.61	3.60	7.60	3.60	3.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	7.60	-5.90
11	-5.40	2.60	8.00	-1.10	5.00	-8.10	4.60	8.10	4.60	4.60	8.10	8.10	8.10	8.10	8.10	8.10	8.10	8.10	8.10	-6.00
12	-5.40	3.20	8.21	-0.20	4.90	-8.10	5.50	7.10	1.30	5.50	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	7.10	-5.20
13	-5.40	3.80	8.60	1.00	4.40	-8.10	6.00	7.00	-0.00	6.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	7.00	-4.80
14	-5.40	4.40	8.70	1.20	3.90	-7.79	6.70	6.79	-0.80	6.70	6.79	6.79	6.79	6.79	6.79	6.79	6.79	6.79	6.79	-4.40
15	-5.70	2.90	8.70	1.20	3.20	-6.59	5.79	4.00	-4.10	5.79	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	-4.10
16	-6.11	2.40	9.00	1.20	2.50	-5.09	4.60	3.10	-2.30	4.60	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	3.10	-4.10
17	-6.80	1.80	8.99	0.90	1.80	-4.10	4.20	1.90	-2.20	4.20	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	1.90	-4.10
18	-7.20	1.50	8.49	0.80	1.80	-3.20	3.40	1.60	-2.30	3.40	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	1.60	-4.30
19	-7.61	0.80	7.99	0.70	1.20	-2.50	2.50	1.30	-2.20	2.50	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	-4.10
20	-8.11	0.70	7.20	0.70	0.90	-1.60	1.60	0.40	-1.70	1.60	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	-4.10
21	-8.50	0.80	6.79	1.00	0.70	-0.40	0.40	0.20	-1.50	0.40	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	-4.10
22	-8.70	0.90	6.00	1.00	0.40	-0.10	0.10	0.00	-1.50	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
23	-8.70	1.50	5.60	1.20	1.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
24	-8.59	1.60	5.40	1.20	0.80	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
25	-8.00	1.80	5.10	0.90	1.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
26	-7.79	2.20	5.00	0.80	0.70	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
27	-7.40	2.50	4.70	0.70	0.70	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
28	-7.00	2.20	4.20	0.50	0.50	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
29	-7.00	2.10	3.20	0.30	0.30	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
30	-7.20	2.50	2.20	-0.10	1.40	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
31	-7.20	2.90	0.90	-0.30	2.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
32	-7.30	3.20	0.10	-0.40	2.80	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
33	-7.50	3.60	0.00	-0.40	3.50	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
34	-7.50	3.50	0.70	-0.70	3.90	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
35	-8.21	3.10	1.60	-1.00	4.00	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
36	-8.60	2.90	1.30	-0.80	4.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
37	-8.70	2.90	1.20	-0.70	4.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
38	-8.70	3.20	0.60	-0.60	4.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
39	-8.70	3.50	0.40	-0.20	3.90	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
40	-8.60	3.50	0.70	-0.20	3.60	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
41	-8.40	3.60	0.40	-0.20	3.60	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
42	-8.30	3.30	0.80	0.10	3.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
43	-8.09	3.60	1.10	1.80	2.60	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
44	-7.70	3.90	0.90	2.50	2.10	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
45	-7.39	4.80	0.70	3.00	2.00	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
46	-6.59	5.50	0.00	2.90	1.80	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
47	-5.69	6.00	0.60	2.00	1.60	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
48	-4.60	6.50	-1.20	3.00	1.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
49	-4.00	7.00	-1.90	3.70	1.20	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10
50	-3.40	7.30	-2.60	4.50	0.90	0.00	0.00	0.00	-1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-4.10

RECORDS-670 DATE AND TIME=1972-03-20-00-58	COMPONENT#N-S (4050)	SIGNAL#BR,ACC, SAMPLING INTERVAL# 0.010(SEC) (4150)	CORRECTION#ARC,ERR, FORMAT NO,#361 (4250)	STATION#A#M#R#S TOTAL NUMBER OF DATA# 5900 (4350)	(4400)	(4450)		
1	-3.30	-2.00	-0.40	2.20	-2.50	0.70	0.60	3.90
2	-3.00	-2.00	-0.40	1.70	-2.80	0.70	-1.20	3.60
3	-2.20	-2.00	-0.40	1.60	-3.10	0.70	-1.60	3.70
4	-1.70	-2.00	-0.40	0.90	-3.30	0.70	-1.60	3.70
5	-1.00	-2.60	-0.40	1.00	-3.10	0.10	-1.60	3.70
6	-0.20	-3.00	-0.40	0.40	-2.30	0.70	-1.60	3.80
7	1.60	-3.30	-0.40	0.00	-0.50	0.20	-1.60	3.80
8	2.90	-3.30	-0.40	-0.50	0.90	0.20	-1.60	4.00
9	4.10	-4.20	-0.40	-0.50	2.00	0.70	-1.60	4.20
10	4.70	-5.31	-0.40	-0.50	3.20	0.40	-1.60	4.60
11	4.90	-6.29	-0.20	-0.50	3.90	0.40	-1.60	4.90
12	5.30	-6.80	0.10	-0.30	4.40	0.40	-1.60	5.20
13	5.30	-7.30	0.10	-0.30	4.40	0.40	-1.60	5.50
14	5.40	-7.20	0.10	0.	4.40	0.40	-1.00	5.60
15	5.10	-7.50	0.10	0.	4.40	0.40	-0.60	6.10
16	5.00	-7.19	0.70	0.00	3.40	0.00	0.00	6.29
17	5.00	-6.60	1.60	0.40	3.00	0.40	0.00	5.69
18	4.30	-6.20	2.50	0.90	1.90	0.40	1.40	4.80
19	3.90	-5.60	3.20	1.10	1.10	0.40	1.80	4.20
20	3.90	-4.90	3.20	1.10	0.30	0.80	2.50	4.10
21	3.90	-4.70	3.80	1.10	-0.40	0.80	2.60	4.20
22	4.30	-4.70	4.20	1.40	-0.90	0.80	2.80	4.30
23	5.00	-4.70	4.90	1.80	-1.30	0.40	3.20	4.50
24	5.91	-4.70	5.70	2.50	-1.70	0.40	3.60	4.90
25	6.70	-4.70	6.00	2.80	-1.70	0.70	3.90	4.30
26	7.11	-4.70	6.40	3.40	-1.70	0.80	4.00	4.00
27	7.70	-5.10	6.80	3.40	-1.70	0.80	4.80	4.80
28	7.60	-5.70	6.80	3.40	-1.70	0.80	5.00	5.00
29	7.70	-5.70	7.00	3.50	-1.70	0.80	5.70	5.70
30	7.70	-5.60	7.40	3.60	-1.70	0.80	6.10	6.10
31	7.40	-5.80	7.41	3.60	-2.50	0.60	6.50	-0.60
32	7.00	-5.70	7.90	3.60	-2.50	0.60	6.90	-1.30
33	6.70	-5.70	8.11	3.60	-3.30	0.30	6.80	-2.00
34	6.60	-5.40	9.00	3.00	-4.70	1.80	6.90	-3.50
35	6.69	-5.20	9.11	2.10	-4.70	1.80	6.90	-3.50
36	6.00	-4.70	9.51	1.30	-5.40	2.70	6.80	-4.60
37	6.00	-4.30	10.11	0.10	-5.70	3.80	6.59	-5.30
38	6.00	-3.70	10.50	-0.40	-5.70	4.30	5.70	-6.10
39	6.00	-3.40	10.50	-1.20	-5.70	4.70	5.50	-6.10
40	6.00	-3.00	10.48	-1.60	-5.60	4.70	5.50	-6.50
41	5.79	-2.20	9.67	-1.60	-5.29	4.70	5.50	-6.50
42	5.00	-1.20	8.58	-2.30	-4.70	4.70	5.50	-6.50
43	4.90	-1.10	7.29	-2.60	-3.10	4.50	5.50	-6.50
44	4.90	-0.90	6.30	-2.60	-1.80	4.00	5.50	-6.50
45	4.50	-0.40	5.99	-2.70	-0.70	2.90	5.60	-6.50
46	4.50	-0.40	4.60	-2.70	-0.30	2.90	5.60	-6.19
47	4.40	-0.40	3.90	-2.70	0.20	1.80	5.60	-5.120
48	4.40	-0.40	3.90	-3.00	0.40	0.60	5.60	-4.80
49	4.40	-2.60	3.50	-3.30	0.70	0.60	5.40	-4.20
50	5.10	-0.40	2.90	-3.50	0.70	0.00	4.70	-3.30

NO.	(4500)	COMPONENT=N-S (4550)	SIGNAL=GR.AGC. INTERVAL= 0.010(SEC) (4600)	(4700)	CORRECTION=ARC.ERR, FORMAT NO.=301 (4750)	(4800)	(4850)	(4900)	(4950)
1	-3.10	4.00	3.50	-2.90	3.90	-0.50	2.00	1.90	2.30
2	-2.80	4.00	3.90	-2.90	3.90	-0.90	2.00	1.80	2.30
3	-2.60	3.90	3.90	-2.90	3.90	-1.20	2.00	2.60	2.30
4	-2.50	4.00	3.80	-2.50	3.90	-1.50	2.00	2.80	2.30
5	-2.50	3.90	3.90	-2.50	3.90	-1.70	2.00	2.90	2.30
6	-2.50	3.60	4.10	-2.30	3.60	-2.30	2.60	3.20	2.30
7	-2.50	3.40	4.10	-2.30	3.60	-2.30	2.60	3.40	2.30
8	-2.50	2.90	4.10	-2.30	3.30	-2.40	2.60	3.50	2.30
9	-2.50	2.90	4.10	-2.30	3.10	-2.40	2.60	3.50	1.90
10	-2.50	3.50	4.10	-2.30	3.10	-2.30	3.40	3.50	1.70
11	-2.40	3.90	4.10	-2.30	3.50	-2.30	3.70	3.50	1.50
12	-2.40	4.00	3.40	-2.30	3.90	-2.30	3.70	3.50	1.20
13	-2.40	4.30	2.90	-2.30	4.30	-1.70	3.70	3.60	1.00
14	-2.40	4.30	2.40	-2.30	4.30	-1.30	3.70	3.70	0.80
15	-2.40	4.40	2.00	-2.00	4.80	-1.30	3.70	3.70	0.80
16	-2.30	4.50	1.80	-1.40	5.00	-1.40	3.70	3.90	0.80
17	-2.30	4.50	1.70	-1.40	5.00	-1.40	3.70	3.90	0.50
18	-2.30	4.50	1.30	-0.60	5.10	-0.90	3.70	3.70	0.00
19	-2.30	4.50	0.80	-0.20	5.10	-0.70	3.70	3.70	0.00
20	-2.30	4.50	0.80	0.00	4.40	-0.60	2.40	3.70	0.30
21	-2.30	4.10	0.90	0.60	3.80	-0.50	2.40	3.70	0.60
22	-2.30	3.90	1.10	0.70	3.00	-0.60	2.00	3.70	0.60
23	-3.80	3.80	1.40	0.70	2.90	-0.60	2.00	3.70	0.70
24	-4.30	3.70	1.60	0.70	2.90	-0.60	2.00	4.10	0.70
25	-5.11	3.70	1.60	0.80	2.90	-0.60	2.00	4.10	0.70
26	-6.00	3.60	1.90	0.80	2.90	-0.60	2.00	5.00	1.70
27	-6.50	3.60	1.90	0.80	2.90	-1.20	1.30	5.10	3.20
28	-6.70	3.60	1.00	0.20	2.60	-1.20	1.30	5.60	3.40
29	-7.10	3.80	0.80	-0.20	2.50	-1.30	1.30	5.90	4.00
30	-7.10	3.90	0.10	-0.30	2.60	-1.30	1.30	6.00	4.40
31	-7.00	4.20	0.60	-0.20	2.40	-1.20	1.30	6.00	4.40
32	-7.10	4.60	1.60	2.00	2.40	-0.50	1.30	5.90	4.40
33	-7.10	4.50	2.00	2.40	2.40	-0.20	1.60	5.10	3.30
34	-7.00	4.60	2.00	2.80	2.40	-0.20	2.20	4.40	2.70
35	-7.10	4.60	2.30	2.80	2.40	-0.20	2.50	3.80	2.20
36	-6.99	4.60	2.50	2.80	2.40	0.00	3.10	3.00	2.00
37	-6.29	4.60	2.80	2.80	2.10	0.40	3.50	2.50	1.20
38	-5.59	4.60	2.80	2.80	1.00	0.10	3.50	1.80	1.20
39	-4.70	4.50	2.80	2.40	1.00	0.10	3.60	1.80	1.00
40	-4.40	4.20	2.80	1.80	0.80	-0.10	3.20	1.80	0.60
41	-4.29	4.00	2.50	1.20	0.80	-0.20	2.90	1.80	0.10
42	-2.60	3.90	2.30	0.30	0.80	-0.30	2.70	1.80	0.30
43	-0.90	3.30	2.00	1.30	0.80	-0.50	2.60	1.80	0.30
44	0.70	3.30	1.60	1.50	0.60	-0.80	2.50	1.80	0.30
45	2.40	3.00	1.60	0.40	0.60	-1.20	2.60	1.80	0.50
46	3.20	3.00	1.60	0.30	0.70	-1.80	2.50	1.90	0.50
47	3.70	3.00	1.60	0.30	0.70	-2.00	2.40	1.90	0.70
48	3.90	3.00	2.20	0.60	1.00	-2.00	1.80	2.30	0.90
49	4.00	3.00	2.70	0.80	1.00	-2.00	1.80	2.30	1.60
50	4.00	3.20	2.90	1.30	1.00	-2.00	1.90	2.30	1.80

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	2.50	-2.00	-0.90	4.70	-2.30	1.60	2.80	3.40	5.20	5.30
2	2.80	-2.20	-1.20	4.80	-2.70	1.60	2.80	3.40	5.20	5.10
3	2.90	-2.30	-1.30	4.80	-2.70	1.80	2.80	3.30	5.50	5.10
4	2.90	-2.70	-1.20	4.90	-3.10	1.80	2.80	3.00	5.70	5.10
5	3.20	-3.00	-1.10	5.00	-3.60	2.20	2.80	2.70	5.50	5.10
6	3.60	-3.30	-0.80	5.00	-3.80	2.30	2.90	2.30	4.90	5.10
7	3.60	-3.70	-0.20	5.00	-3.80	2.40	2.90	2.30	4.80	5.10
8	3.80	-4.00	1.10	5.00	-3.80	2.80	3.00	2.00	4.80	5.10
9	3.80	-4.30	1.70	5.00	-3.80	3.00	3.00	1.50	4.80	5.80
10	3.80	-4.40	2.50	4.90	-3.50	3.50	2.50	1.20	4.80	6.40
11	3.80	-4.50	3.20	4.60	-3.30	3.70	1.60	0.70	4.80	6.60
12	3.80	-4.80	3.00	4.20	-3.00	3.90	0.80	0.50	4.60	6.60
13	3.80	-4.80	3.20	3.80	-2.60	3.90	-0.00	0.30	4.30	6.60
14	3.80	-4.60	3.20	3.30	-2.30	4.10	-0.30	0.20	4.00	6.60
15	3.20	-4.60	3.20	3.30	-2.30	4.20	-0.60	0.10	4.00	6.70
16	3.00	-4.00	3.20	3.20	-2.30	4.20	-0.70	0.10	3.60	6.70
17	2.50	-3.30	3.20	3.20	-2.30	4.20	-1.00	0.10	3.10	6.70
18	2.50	-3.20	2.90	3.90	-2.70	4.20	-1.20	0.10	2.60	6.70
19	2.10	-2.70	2.80	3.90	-3.10	4.50	-1.20	0.60	2.20	6.60
20	2.10	-2.40	2.80	3.90	-3.40	5.00	-1.30	1.10	1.80	6.20
21	2.10	-2.40	2.80	3.90	-4.00	5.20	-1.30	1.00	1.50	5.80
22	2.10	-2.40	2.90	3.90	-4.20	5.50	-1.20	1.10	1.20	5.40
23	2.30	-2.30	3.20	3.90	-4.80	6.00	-1.20	1.10	0.70	4.79
24	2.50	-2.40	3.50	3.90	-4.80	6.00	-1.10	1.10	0.20	3.70
25	2.50	-2.40	3.80	3.90	-5.00	6.00	-1.10	1.80	0.20	3.10
26	2.70	-2.40	3.90	2.90	-5.00	6.00	-1.10	2.20	-0.80	3.10
27	2.90	-2.40	4.00	2.20	-5.00	6.00	-1.10	2.40	-1.10	3.10
28	3.00	-2.00	4.40	2.20	-4.70	6.00	-1.40	2.60	-1.50	3.10
29	3.00	-2.00	4.50	2.20	-4.70	6.00	-2.10	3.10	-1.80	3.10
30	3.00	-2.00	4.50	1.90	-4.70	5.80	-2.40	3.90	-2.00	1.20
31	1.90	-2.00	4.50	0.10	-4.30	5.80	-2.70	3.90	-2.00	1.20
32	2.40	-1.80	4.50	-1.20	-4.00	5.80	-3.10	3.90	-2.00	1.00
33	2.70	-1.70	4.50	-2.20	-3.40	5.90	-3.50	4.00	-2.00	0.40
34	0.30	-1.60	4.50	-2.60	-3.40	6.10	-3.70	4.20	-2.30	0.10
35	0.30	-1.20	4.50	-2.60	-3.40	6.60	-4.20	4.20	-2.70	0.40
36	0.20	-1.00	4.00	-2.70	-3.10	6.70	-4.70	4.40	-3.20	1.00
37	0.20	-0.40	2.80	-2.90	-1.80	6.60	-5.10	4.50	-3.50	1.00
38	0.50	-0.20	2.50	-3.10	-1.60	6.59	-5.10	4.60	-4.40	1.00
39	0.50	0.30	2.50	-3.10	-1.20	5.90	-4.60	4.70	-5.60	1.00
40	0.80	0.60	2.40	-3.10	-0.60	5.40	-4.40	4.70	-6.00	1.60
41	0.70	0.80	2.50	-3.10	0.00	4.90	-4.00	5.00	-6.20	1.80
42	0.80	1.00	2.40	-3.00	0.40	4.90	-3.70	5.20	-6.40	2.40
43	0.80	1.10	2.40	-2.60	0.70	4.70	-3.40	5.20	-6.40	2.80
44	1.30	1.00	2.90	-2.40	1.00	4.40	-3.40	5.20	-6.40	2.90
45	1.50	1.10	2.90	-2.30	1.30	4.30	-3.40	5.20	-6.40	3.20
46	0.30	1.10	2.90	-2.40	1.40	4.20	-3.40	5.20	-6.40	3.20
47	0.30	-0.10	3.30	-2.40	1.50	3.90	-3.40	5.20	-6.40	3.50
48	-0.50	-0.20	3.90	-2.80	1.60	3.60	-3.40	5.20	-6.40	3.70
49	-0.90	-0.20	4.40	-2.20	1.60	3.20	-3.40	5.10	-6.00	3.90
50	-1.60	-0.50	4.60	-2.20	1.60	3.00	-3.40	5.20	-5.40	3.90

RECORDS-670 COMPONENT=N-S SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=AOHORI-S
DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT No.=501 TOTAL NUMBER OF DATA= 5900

NO.	(5500)	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)	(5900)	(5950)
1	3.90	1.80	-0.60	1.70	1.60	-1.60	0.20	2.90	0.	0.
2	1.80	1.80	-0.50	1.60	1.30	-1.00	0.30	3.20	0.	0.
3	3.90	1.90	-0.60	1.30	0.40	-0.60	0.70	3.30	0.	0.
4	3.90	1.80	-0.70	1.30	-0.10	-0.60	0.50	2.90	0.	0.
5	3.90	1.80	-0.80	1.20	-0.10	-0.60	0.10	2.90	0.	0.
6	3.60	1.60	-0.80	1.30	-0.10	-0.60	-0.10	2.90	0.	0.
7	3.50	1.60	-0.80	1.20	-0.10	-0.60	-0.40	2.90	0.	0.
8	3.50	1.50	-0.60	1.20	0.30	-0.60	-0.60	2.90	0.	0.
9	3.50	1.50	0.00	1.20	0.90	-0.60	-0.80	2.90	0.	0.
10	3.30	1.50	0.70	1.20	1.30	-0.60	-0.80	2.90	0.	0.
11	3.20	1.60	0.90	1.50	1.30	-0.60	-1.00	2.80	0.	0.
12	3.30	1.50	1.10	1.70	1.30	-0.60	-1.20	2.90	0.	0.
13	3.30	1.60	1.30	1.80	1.30	-0.60	-1.10	2.90	0.	0.
14	3.20	1.30	1.60	1.70	1.40	-0.60	-1.20	3.00	0.	0.
15	3.30	1.20	2.00	1.90	1.40	-0.60	-1.10	3.20	0.	0.
16	4.00	1.20	2.00	2.00	1.40	-0.30	-1.10	3.10	0.	0.
17	4.40	1.00	2.00	2.00	1.50	-0.20	-0.50	3.10	0.	0.
18	4.50	0.80	2.00	2.00	1.40	-0.20	-0.20	3.10	0.	0.
19	4.80	0.70	2.00	2.00	1.40	-0.60	-0.20	3.10	0.	0.
20	5.00	0.70	1.90	2.00	1.70	-1.00	-0.20	3.50	0.	0.
21	5.10	0.70	1.60	2.00	1.30	-1.00	-0.10	3.90	0.	0.
22	5.20	0.50	1.30	2.00	0.90	-1.00	0.00	3.90	0.	0.
23	5.20	0.40	0.90	2.00	0.90	-1.00	0.00	3.90	0.	0.
24	5.70	0.30	0.60	2.00	0.90	-1.00	0.20	3.90	0.	0.
25	6.00	0.10	0.20	2.00	0.40	-1.00	0.20	3.90	0.	0.
26	6.30	-0.10	-0.20	2.00	0.20	-0.70	0.20	3.80	0.	0.
27	6.30	-0.40	-0.20	1.90	-0.20	-0.30	0.60	3.90	0.	0.
28	6.30	-0.50	-0.20	1.00	-0.50	0.00	0.70	3.90	0.	0.
29	6.30	-0.70	-0.20	0.70	-0.50	0.30	0.20	3.90	0.	0.
30	6.30	-0.80	-0.20	0.70	-0.50	0.30	0.20	3.90	0.	0.
31	5.90	-1.00	-0.20	0.70	-0.50	0.30	0.20	3.90	0.	0.
32	5.60	-1.00	-0.20	0.70	-0.50	0.30	0.20	3.20	0.	0.
33	5.50	-1.20	-0.20	0.70	-0.50	0.30	0.20	3.20	0.	0.
34	5.40	-1.30	0.50	0.50	0.30	0.30	0.20	3.10	0.	0.
35	5.00	-1.60	0.60	-0.20	0.60	0.10	0.20	2.90	0.	0.
36	5.00	-1.90	1.20	0.60	0.80	-0.20	0.40	2.60	0.	0.
37	5.00	-2.00	1.50	-0.70	0.80	-0.20	0.30	2.40	0.	0.
38	5.00	-2.00	1.70	-0.70	0.80	-0.20	0.30	2.20	0.	0.
39	5.00	-2.00	1.80	-0.90	0.80	-0.20	0.40	1.70	0.	0.
40	4.60	-2.00	1.80	-1.00	0.80	-0.20	0.40	1.70	0.	0.
41	4.30	-2.00	1.80	-1.10	0.70	-0.20	0.80	1.70	0.	0.
42	3.90	-1.90	2.10	-1.10	-0.30	-0.20	0.90	2.10	0.	0.
43	3.30	-1.40	2.30	-1.10	-0.80	-0.10	1.00	2.30	0.	0.
44	2.90	-1.20	2.40	-1.10	-1.10	-0.20	1.20	2.50	0.	0.
45	2.60	-1.10	2.50	-1.10	-1.40	-0.20	1.30	2.80	0.	0.
46	2.20	-0.90	2.50	-1.10	-1.60	0.	1.30	2.90	0.	0.
47	2.00	-0.60	2.50	-1.10	-1.60	0.	1.30	2.90	0.	0.
48	1.80	-0.60	2.90	0.00	-1.60	0.00	1.60	2.90	0.	0.
49	1.80	-0.60	1.80	0.80	-1.60	0.10	2.40	2.90	0.	0.
50	1.80	-0.60	1.80	1.60	-1.60	0.10	2.80	2.50	0.	0.

RECORD#S=670	COMPONENT#E=N	SIGNAL=GR,ACC.	CORRECTION=ARC.ERR.	STATION#A=MDRI-S						
DATE AND TIME#1972-03-20-00-58	SAMPLING INTERVAL# 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA# 5900							
NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-0.00	0.40	1.70	1.70	-2.70	2.30	-3.09	0.30	-2.30	6.01
2	-1.60	-0.40	1.70	2.50	-5.01	1.50	-0.10	1.70	-3.70	7.00
3	0.60	-1.00	0.70	2.50	-6.70	1.00	0.80	3.20	-4.60	7.20
4	2.30	-1.00	-0.10	2.50	-6.67	-0.00	1.60	4.10	-5.60	7.18
5	0.30	-1.10	1.20	1.40	-3.20	-1.20	1.60	4.10	-6.10	5.59
6	-1.90	-1.50	2.50	-0.10	-2.10	-1.60	1.60	5.11	-6.10	3.69
7	-5.00	-1.80	3.40	-1.60	-0.40	-2.20	1.50	5.11	-6.09	0.50
8	-5.79	-1.60	4.40	-2.10	-0.20	-3.00	0.80	6.20	-5.29	-1.10
9	-4.38	-1.10	4.80	-2.70	-0.20	-3.70	0.80	6.71	-4.19	-3.00
10	1.50	-0.50	4.80	-3.70	0.60	-5.21	0.80	7.30	-1.70	-3.00
11	2.90	0.00	4.78	-3.70	2.10	-6.11	0.80	7.27	-2.80	-0.70
12	2.60	0.10	1.50	-3.70	6.52	-6.90	-0.00	5.00	5.61	-1.70
13	1.90	-0.00	0.00	-3.70	8.62	-6.80	-0.80	4.27	7.10	-1.40
14	1.40	-0.20	0.50	-3.70	10.05	-6.87	-1.80	2.10	7.21	-0.80
15	0.80	0.00	0.50	-2.80	7.77	-3.69	-2.40	5.42	7.88	-0.50
16	-0.70	0.40	-0.40	-2.00	5.29	-0.10	-2.70	8.00	6.49	-0.20
17	-2.00	0.70	-0.20	-0.10	3.20	1.80	-2.70	8.15	5.19	0.
18	-2.40	0.20	-0.20	0.60	1.20	2.90	-2.80	4.79	4.10	0.
19	-2.50	-0.50	0.10	1.20	-0.40	4.40	-2.80	2.60	2.80	0.00
20	-1.30	-0.80	0.10	1.70	-0.60	4.90	-1.70	0.30	1.50	0.50
21	0.20	-1.00	1.60	1.60	-0.60	5.40	0.30	0.10	0.50	0.50
22	1.80	-0.50	2.10	1.70	-1.30	5.40	1.40	0.10	-0.40	1.80
23	1.90	0.10	2.20	1.70	-0.50	5.40	2.40	0.10	-1.10	2.00
24	1.80	0.90	2.40	1.70	-2.10	4.70	3.60	0.10	-1.10	2.00
25	1.40	1.00	2.00	1.60	-3.50	4.40	4.50	0.90	-1.00	0.70
26	1.30	0.70	0.90	2.00	-5.00	4.40	4.50	1.40	-0.80	0.60
27	1.40	0.30	0.80	2.50	-5.80	4.40	4.60	1.80	-0.60	0.60
28	0.60	-0.60	1.90	3.00	-5.78	4.40	4.50	1.70	-0.60	0.50
29	-2.20	-1.50	3.80	3.10	-2.40	3.20	4.49	1.80	-1.40	0.50
30	-3.00	-3.10	5.30	3.10	0.10	1.10	3.30	0.70	-1.40	-1.50
31	-3.10	-3.10	5.19	1.60	3.00	-3.70	2.00	0.70	-1.40	-2.60
32	-3.10	-3.10	3.20	0.30	4.40	-3.70	2.50	0.70	1.10	-4.70
33	-2.40	-1.50	3.20	-1.70	4.50	-4.60	1.50	1.10	3.10	-5.50
34	-1.00	0.90	3.30	-2.40	4.50	-5.50	1.50	1.70	5.40	-5.60
35	0.00	2.60	3.80	-2.70	3.40	-5.60	2.10	2.40	6.00	-5.60
36	0.20	2.60	3.79	0.10	1.90	-6.20	3.60	2.40	6.40	-5.59
37	-0.50	1.30	2.10	0.90	0.70	-6.81	1.00	3.80	6.38	-4.59
38	-1.40	-0.00	0.50	2.50	0.20	-7.50	4.30	0.40	3.99	-2.00
39	-0.60	-1.10	3.40	4.11	0.10	-7.46	4.30	0.40	1.50	0.40
40	0.40	-2.00	4.80	6.49	-0.70	-4.28	3.20	1.50	-0.90	2.90
41	1.40	-2.20	5.70	5.20	0.00	0.00	1.40	0.60	-2.30	5.20
42	1.90	-2.20	5.68	4.59	-2.00	3.20	-0.10	2.70	-3.81	5.71
43	2.30	-0.70	2.70	3.40	-2.40	5.41	-1.90	3.80	-5.60	6.71
44	2.50	1.10	2.70	2.00	-2.40	6.50	-3.70	3.80	-5.60	7.70
45	1.90	2.70	-2.70	0.90	-2.70	6.58	-5.21	3.80	-5.60	7.84
46	0.40	3.40	-2.70	0.90	0.00	4.89	-8.60	3.80	-5.58	3.19
47	-0.60	2.90	-3.50	0.90	1.30	2.00	-8.60	3.70	-2.40	0.50
48	-1.00	2.40	3.49	0.90	1.70	-1.50	-8.56	2.10	-2.10	-2.40
49	-0.60	2.40	1.50	-0.00	2.20	-1.30	-5.99	0.70	-0.40	-2.60
50	0.00	1.90	1.00	-0.60	2.30	-3.00	-4.08	0.90	4.11	-4.10

RECORD#	DATE AND TIME	STATION#	COMPONENT#	SIGNAL#	GR.#	ACC.	CORRECTION#	ARC.ERR.	TOTAL NUMBER OF DATA	
NO.				INTERVAL#	0.010	(SEC)	FORMAT NO.	#301	5900	
	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-4.10	4.60	1.70	3.70	-0.60	0.	1.00	1.10	2.70	-6.60
2	-4.10	4.70	1.50	2.00	0.00	0.00	0.70	0.80	3.40	-6.70
3	-4.10	4.69	1.30	1.00	0.20	0.70	0.30	0.80	3.70	-6.70
4	-4.09	3.59	0.70	-0.20	0.70	1.40	0.30	0.70	3.79	-6.67
5	-2.70	1.10	0.50	1.30	0.60	1.90	0.40	1.20	1.50	-3.79
6	0.50	1.00	0.40	-1.70	0.70	2.10	0.80	1.20	-0.10	-0.50
7	2.30	0.40	0.40	-1.80	0.70	1.40	1.00	2.50	-1.90	1.30
8	4.00	-0.00	0.40	-1.80	-0.00	0.40	1.20	3.10	-4.11	2.30
9	5.10	-1.50	1.80	-1.70	-0.40	-0.80	1.20	3.20	-6.30	4.30
10	5.10	-2.70	3.30	-1.70	-0.70	-1.40	1.20	1.60	-5.79	5.20
11	5.10	-3.10	4.50	-1.80	-1.10	-1.40	1.20	0.50	-5.00	5.20
12	5.09	-3.39	5.10	-0.30	-1.20	-1.80	2.50	-0.60	-4.69	5.20
13	3.90	-0.50	5.10	0.00	-0.30	-1.60	3.60	-1.60	-3.60	5.09
14	2.50	1.10	5.70	0.40	0.	0.00	4.40	-1.60	-2.00	3.70
15	0.80	2.50	5.70	0.30	0.	1.00	4.60	-1.60	-0.20	2.50
16	-2.00	3.20	5.79	0.	0.	2.10	5.20	-5.01	0.90	2.00
17	-3.10	3.20	3.89	-0.00	0.	2.70	5.18	-6.51	1.90	1.00
18	-4.10	3.20	-0.20	-0.30	0.	3.00	1.50	-7.61	3.40	0.90
19	-4.10	3.20	2.80	0.20	0.	3.40	-0.50	-8.20	4.40	0.10
20	-4.10	3.00	-4.70	1.70	0.00	3.40	-3.60	-8.17	4.80	-0.30
21	-4.10	3.40	-4.90	1.20	0.50	3.40	-4.40	-5.77	5.19	-0.70
22	-4.20	3.50	-5.00	1.30	0.70	3.60	-5.10	-1.00	3.89	-0.90
23	-3.40	3.50	-5.00	1.40	0.90	3.70	-5.19	0.60	0.80	-1.60
24	-1.70	2.90	-5.40	1.40	0.80	2.90	-3.40	1.70	-0.60	-1.60
25	-0.50	1.80	-5.39	1.70	0.90	1.00	-2.70	2.30	-0.60	-1.60
26	1.30	0.60	-3.40	1.70	1.00	-1.30	-1.70	3.50	-0.70	-1.60
27	2.90	-0.10	-2.00	1.70	0.40	-2.30	1.60	4.60	-0.70	0.70
28	3.10	-1.40	0.60	1.70	0.30	-2.60	1.60	5.51	-0.70	1.80
29	3.50	-3.20	3.00	1.30	0.30	-3.10	1.60	6.70	-0.70	1.40
30	3.50	-4.10	5.11	0.20	0.10	-1.90	1.60	6.70	-1.50	1.30
31	3.50	-4.20	6.60	-0.90	0.40	0.70	1.60	6.69	-2.20	1.40
32	3.50	-3.10	6.78	-2.00	0.60	2.30	0.40	5.99	-2.80	1.50
33	3.50	-1.30	5.19	-2.60	0.60	3.40	-1.20	5.00	-1.80	2.40
34	3.40	0.40	3.69	-3.40	0.60	4.41	-1.80	4.50	-0.60	2.30
35	3.30	0.80	1.50	-3.40	0.70	5.81	-1.80	4.50	0.50	3.40
36	2.00	1.50	-1.30	-3.40	1.60	7.20	-1.80	4.49	1.10	3.40
37	-0.20	1.70	-2.40	-3.40	2.00	7.08	0.90	3.00	1.70	3.40
38	-1.30	1.60	-3.10	-3.40	0.80	5.47	1.50	1.30	2.30	2.40
39	-2.20	1.90	-4.00	-3.40	-0.10	0.20	2.70	1.40	2.70	2.10
40	-2.20	2.30	-4.00	-1.50	-0.60	-0.50	3.40	1.20	3.40	3.00
41	-2.60	2.40	-4.00	0.10	-0.60	-2.10	3.40	0.70	3.80	3.20
42	-2.90	2.40	-3.10	2.20	0.00	-3.00	3.40	-0.00	3.80	3.90
43	-3.70	2.40	-1.20	2.70	1.00	-3.00	2.90	-0.60	3.80	4.00
44	-3.70	2.70	-0.20	3.40	1.40	-1.50	2.20	-1.50	3.80	4.80
45	-3.70	3.10	0.80	4.30	1.40	0.90	2.00	-2.10	2.50	5.00
46	-2.70	3.40	1.40	5.00	1.40	1.30	1.60	-2.70	1.90	4.90
47	-0.90	3.40	2.40	5.00	1.40	1.00	3.50	-3.00	0.40	5.10
48	1.10	3.40	3.80	5.47	1.00	1.00	3.40	-0.40	-0.80	5.19
49	2.30	2.30	4.10	0.40	0.60	1.00	2.80	1.00	-1.90	3.90
50	3.70	2.20	4.50	-0.60	0.40	1.00	2.10	2.20	-4.11	2.50

RECORDS-670	COMPONENT=E-W	SIGNAL=GR.ACC.	CORRECTION=ARC.ERR.	STATION=AOHORI-S						
DATE AND TIME=1972-03-20-00-58	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 5900							
NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	0.50	-0.30	0.60	-4.00	1.70	-8.52	-30.99	-32.43	8.15	33.82
2	-1.80	0.10	-2.90	-2.90	3.10	-9.71	-17.73	-42.30	18.80	24.48
3	-4.70	0.40	-1.80	-1.80	4.71	-6.99	-13.78	-47.19	25.35	13.96
4	-5.00	-0.50	-0.70	-0.70	6.81	-9.38	-8.54	-46.09	28.08	3.98
5	-5.00	-0.50	2.10	0.40	7.80	-4.48	-4.48	-39.01	27.05	3.12
6	-4.99	-0.80	2.40	2.80	7.89	-6.79	-0.80	-28.45	24.05	-19.81
7	-3.00	-4.01	2.60	5.11	7.49	-6.10	3.61	-17.76	19.70	-10.50
8	-2.90	-6.80	2.60	6.50	6.90	-5.71	8.16	7.55	14.01	-25.47
9	-3.00	-6.39	2.80	6.89	6.80	-6.71	4.25	9.42	14.01	-25.47
10	-2.89	-5.48	3.10	6.40	7.09	-8.23	17.07	16.19	9.42	-27.83
11	1.40	-2.80	3.30	6.40	5.78	-10.02	23.35	27.40	0.50	-27.53
12	3.00	-2.40	3.20	6.30	2.90	-10.79	30.13	37.82	9.52	-24.20
13	0.60	-1.10	2.50	5.80	0.80	-10.36	36.17	45.12	5.57	-17.51
14	-1.20	-1.00	1.70	5.30	-1.40	-8.43	40.36	45.12	1.80	-10.43
15	0.00	-1.30	0.70	4.60	-2.80	-4.18	41.27	48.06	4.02	-8.28
16	0.80	-1.40	0.80	4.10	-2.60	0.50	38.36	45.10	9.15	6.06
17	0.80	-1.50	-0.80	4.10	-2.60	4.11	31.76	36.81	-12.23	13.73
18	1.20	-1.50	-0.40	4.50	-2.20	6.92	25.06	30.68	-10.01	24.62
19	1.40	-1.20	0.40	5.10	-1.80	8.48	17.80	23.51	-5.75	30.48
20	1.60	-0.40	0.80	5.61	-1.20	7.37	9.93	12.58	1.00	31.09
21	2.10	1.30	1.80	7.02	-0.50	5.18	6.69	0.80	5.51	26.33
22	2.10	2.30	2.70	9.14	-0.30	2.30	5.30	0.80	7.58	18.20
23	2.30	3.20	3.40	11.13	-0.70	-0.10	5.60	-22.63	5.58	6.66
24	2.80	2.70	3.90	12.19	-2.50	-0.50	5.89	-29.65	2.49	7.04
25	2.90	2.10	3.20	11.97	-3.80	-0.50	4.57	-36.11	-1.90	-20.91
26	3.80	1.40	2.40	11.06	-4.50	1.80	-1.00	-40.28	-3.05	-31.05
27	4.90	0.70	1.40	9.55	-6.10	4.81	-5.04	-40.11	0.60	-35.88
28	5.10	-0.20	0.60	7.18	-6.70	7.43	-12.10	-37.59	8.61	-32.40
29	5.90	-1.30	0.00	9.09	-6.80	10.12	-18.57	-32.51	8.99	-25.47
30	5.80	-1.80	0.60	8.20	-6.49	10.81	-24.02	-23.45	14.24	-16.50
31	5.80	-2.70	0.40	1.10	-5.79	11.41	-30.64	-13.13	17.23	-11.39
32	5.79	-3.80	0.70	-1.50	-4.79	11.92	-34.13	11.45	16.02	-4.16
33	4.09	-4.50	1.40	-3.30	-3.50	12.50	-34.06	11.45	12.92	5.95
34	1.60	-3.70	2.30	-4.70	-2.50	12.48	-31.83	11.45	10.65	12.78
35	1.40	-2.70	3.40	-5.40	-2.80	11.87	-26.00	33.12	8.67	14.90
36	0.90	-0.80	4.10	-5.40	-4.20	10.86	-17.69	37.96	6.97	14.73
37	-0.50	0.40	4.50	-5.10	-5.40	9.16	-7.85	39.34	4.38	13.12
38	-1.70	0.70	4.10	-4.20	-6.19	6.77	2.92	36.83	-0.80	11.10
39	-2.00	0.20	3.50	-3.10	-5.69	4.18	12.47	36.83	-5.13	11.24
40	-2.60	-0.10	2.50	-1.20	-3.70	0.10	23.98	30.62	-10.63	12.76
41	-3.00	-0.30	0.90	0.30	-2.00	-3.01	30.68	7.07	-16.15	14.25
42	-3.70	-0.20	-0.90	1.10	-1.60	-7.36	32.38	4.34	-20.57	13.06
43	-4.00	0.00	-1.50	1.70	-2.10	-12.75	30.65	-13.35	-22.75	9.30
44	-4.30	0.40	-1.30	2.20	-3.40	-17.26	26.12	-20.12	-17.71	4.18
45	-4.60	0.70	-1.30	2.10	-4.80	-21.49	21.07	-20.12	-9.37	-1.60
46	-4.49	0.60	-1.70	1.80	-5.80	-25.99	15.49	-32.23	2.21	-3.71
47	-3.20	-0.00	-2.80	1.00	-6.00	-27.98	6.13	-31.87	13.92	-5.72
48	-1.80	-1.00	-3.70	0.40	-5.81	-28.11	-2.31	-27.18	24.40	-9.18
49	-1.40	-1.30	-4.50	-0.10	-6.71	-27.88	-11.12	-17.31	32.95	-3.46
50	-1.30	-1.00	-4.50	0.60	-7.51	-24.69	-20.18	4.74	39.09	-17.83
									38.78	-22.63

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-23.99	32.35	-28.07	1.90	-0.00	-2.60	3.40	-4.32	0.80	0.90
2	-19.82	39.68	-27.63	5.10	-1.30	-2.00	3.40	-8.27	3.84	-4.52
3	-13.18	41.94	-22.57	5.69	-0.40	-2.70	2.40	-13.28	6.02	-9.47
4	-4.88	41.16	-12.99	4.08	3.61	-4.71	1.10	-15.33	8.83	-13.27
5	-0.20	37.25	0.00	-2.41	8.41	-7.55	0.20	-13.78	10.64	-14.94
6	0.70	31.93	13.69	-8.15	15.54	-11.37	0.20	-10.45	12.24	-13.53
7	-0.00	25.23	20.77	-11.67	22.30	-14.01	0.70	-8.36	13.37	-9.35
8	-1.00	20.20	23.20	-14.00	28.04	-14.19	0.70	-5.78	12.56	-6.48
9	1.40	17.87	21.19	-13.99	32.30	-13.99	6.14	-3.50	11.38	-4.50
10	4.93	14.45	15.96	-13.64	35.03	-13.69	11.05	-1.60	10.57	-3.50
11	10.73	8.55	8.55	-12.26	36.66	-13.39	16.80	0.20	9.17	-2.10
12	15.84	-1.00	-10.80	-10.80	35.75	-13.17	20.00	1.90	7.28	-1.40
13	18.51	-8.09	-6.94	-9.20	32.84	-12.43	20.79	3.40	5.68	0.70
14	19.87	-14.33	-14.66	-1.20	27.00	-10.34	17.38	4.00	2.40	2.10
15	19.24	-14.91	-20.51	5.64	15.04	-7.83	11.18	3.70	0.50	2.80
16	14.78	-13.05	-26.25	11.34	15.36	-8.20	3.08	2.10	0.40	2.50
17	10.09	-8.88	-31.26	16.65	8.96	0.50	-5.63	0.30	0.70	1.70
18	5.27	-1.80	-37.44	22.59	0.80	2.70	-10.10	-2.20	1.30	1.20
19	0.10	4.01	-42.25	26.88	-7.89	5.42	-14.78	-4.91	0.60	1.00
20	-3.70	7.13	-43.98	28.57	-14.50	8.23	-18.47	-6.50	-1.10	1.00
21	-4.60	9.61	-41.76	29.40	-21.23	10.69	-19.27	-8.40	-3.40	1.00
22	-4.10	10.12	-36.37	29.29	-25.65	14.47	-17.54	-5.58	-5.00	1.40
23	-3.40	6.56	-26.81	28.68	-27.90	18.23	-13.70	-3.29	-4.99	2.20
24	-2.60	2.09	-16.47	27.93	-28.03	20.06	-8.96	0.00	-3.09	3.30
25	-2.00	-6.07	-4.93	26.87	-25.44	21.95	-6.37	3.81	0.00	4.81
26	-0.90	-14.47	8.18	25.26	-20.29	23.29	-2.70	5.62	4.41	5.91
27	3.41	-18.73	21.67	22.78	-15.81	23.09	0.10	8.42	5.70	6.60
28	8.99	-26.47	33.36	19.78	-10.47	21.87	2.60	9.82	6.09	6.60
29	20.25	-35.31	38.57	14.99	-5.08	18.51	5.01	10.62	5.39	6.20
30	27.02	-41.47	40.36	10.71	-1.40	12.12	6.20	11.64	3.59	5.70
31	26.08	-43.32	41.40	7.26	1.10	6.54	6.20	13.06	1.10	5.20
32	19.17	-39.33	41.18	3.79	3.60	-0.10	5.59	14.63	-3.11	4.79
33	8.29	-30.15	40.21	0.80	5.00	-6.13	3.39	15.34	-7.54	3.50
34	-5.58	-16.52	36.66	-4.00	5.80	-10.24	-1.40	16.00	-10.56	2.10
35	-18.58	-2.97	29.73	-4.00	5.40	-12.08	-7.47	15.96	-15.01	1.30
36	-30.22	11.96	24.15	-5.31	4.79	-11.37	-13.07	15.12	-13.23	2.10
37	-41.56	28.98	13.70	-6.20	2.69	-10.36	-17.71	14.53	-11.21	4.50
38	-49.70	45.29	1.99	-6.30	-0.80	-8.53	-19.25	11.62	-7.83	5.62
39	-50.36	-52.87	-9.67	-6.50	-5.01	-4.09	-18.52	8.83	-4.29	7.31
40	-43.80	56.49	-18.26	-7.01	-6.20	-0.60	-18.14	4.59	-1.70	8.69
41	-34.30	54.52	-24.61	-6.23	-6.19	1.50	-13.20	1.70	1.50	7.89
42	-25.81	48.89	-10.00	-5.59	-5.39	3.30	-7.90	0.50	7.25	6.89
43	-18.42	40.69	-30.56	-10.08	-3.79	4.10	-0.60	2.50	11.84	6.29
44	-14.69	30.84	-31.81	-9.25	-1.50	3.50	10.48	3.40	16.54	5.50
45	-12.40	20.72	-30.35	-6.58	-0.90	2.40	13.81	4.10	18.98	4.99
46	-9.37	10.15	-28.62	-3.99	-2.00	1.00	16.53	4.70	20.96	3.39
47	-2.79	3.67	-22.19	-1.20	-3.70	-0.00	16.88	5.40	19.34	0.10
48	4.53	-6.39	-16.61	1.30	-5.40	-0.50	14.76	5.40	16.13	-4.82
49	11.47	-16.66	-10.25	1.30	-5.49	0.40	9.76	4.69	11.45	-8.67
50	21.60	-24.33	-3.58	1.00	-4.09	2.30	2.89	2.10	6.06	-13.28

RECORDS=670
DATE AND TIME=1972-03-20-00-58
COMPONENT=E-H
SAMPLING INTERVAL= 0.010 (SEC)
CORRECTION=ARC.ERR.
FORMAT NO.=301

-STATION=ADMORIS
TOTAL NUMBER OF DATA= 5900

RECORD=S-670
 DATE AND TIME=1972-03-20 00-58
 COMPONENT=E-W
 SIGNAL=GR,ACC.
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ARC,ERR,
 FORMAT NO.=301
 STATION=ADOMORI=S
 TOTAL NUMBER OF DATA= 5900

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-15.43	8.21	1.60	-14.15	11.81	3.50	-6.80	0.90	11.56	-9.62
2	-15.90	8.91	-1.60	-13.02	15.41	2.70	-6.61	2.00	10.08	-10.80
3	-14.07	9.60	-3.00	-10.74	15.44	2.70	-8.24	3.91	8.97	-10.90
4	-11.04	9.68	-3.30	-8.16	14.20	2.70	-10.75	6.21	6.96	-10.88
5	-8.75	8.89	-4.40	-5.59	11.93	3.60	-12.77	7.72	3.59	-9.97
6	-5.87	8.08	-5.10	-3.60	9.77	4.50	-14.69	9.03	-0.70	-8.68
7	-1.40	6.69	-5.70	-2.50	8.17	4.29	-16.61	10.55	4.61	-7.38
8	0.00	5.60	-5.60	-2.50	6.09	2.40	-16.80	12.78	-5.92	-5.79
9	1.70	4.90	-5.60	-2.40	4.29	-0.10	-16.70	15.06	-8.23	-4.80
10	2.70	4.40	-6.01	-3.00	2.50	-1.60	-15.06	16.30	-10.43	-4.00
11	3.40	3.40	-7.21	-3.70	2.20	-2.90	-12.28	18.15	-11.60	-3.00
12	3.90	1.60	-8.30	-4.40	2.20	-4.81	-8.65	20.16	-11.70	-2.50
13	3.10	-0.60	-8.62	-5.00	2.20	-6.31	-5.36	20.71	-11.69	-3.60
14	1.00	-3.30	-9.82	-4.29	2.20	-7.80	0.30	19.57	-11.15	-5.01
15	-1.60	-5.21	-10.62	-2.40	2.20	-8.80	5.60	16.80	-9.29	-6.10
16	-3.20	-6.88	-11.30	0.90	2.20	-7.79	5.70	13.57	-8.89	-6.19
17	-2.60	-5.39	-11.16	2.10	4.00	-6.69	5.70	10.47	-8.60	-5.09
18	-1.00	-3.99	-9.55	3.60	4.70	-5.19	6.40	9.26	-8.71	-3.59
19	0.00	-2.20	-7.16	4.90	5.20	-3.00	6.80	7.28	-9.42	-1.40
20	2.00	-2.60	-3.48	5.10	5.90	-1.80	6.80	5.39	-10.60	0.90
21	3.90	-5.62	2.31	5.50	5.99	-0.30	7.10	3.89	-10.82	2.90
22	4.90	-6.62	7.55	5.60	4.48	0.30	7.51	1.70	-11.70	4.91
23	5.50	-9.60	11.53	6.22	0.20	0.40	8.19	-0.50	-11.79	7.34
24	5.60	-9.38	12.69	8.11	-6.12	0.40	7.49	3.61	-11.36	10.97
25	4.89	-8.48	12.43	8.72	-8.60	0.40	6.29	6.62	-9.96	13.74
26	3.10	-7.38	10.24	10.23	-14.61	0.40	5.20	8.10	-8.18	14.60
27	1.70	-5.99	7.37	11.64	-17.11	1.20	5.09	8.20	-6.48	14.66
28	0.40	-4.70	4.69	13.13	-18.70	2.71	4.10	6.19	-4.49	14.66
29	-0.90	-4.10	2.30	14.01	-18.51	6.74	3.50	7.78	-1.60	13.68
30	-1.50	-3.20	0.10	14.17	-15.98	11.08	3.50	6.99	-1.00	13.47
31	-2.30	-2.00	-0.80	13.43	-12.89	14.21	4.30	5.10	-1.00	12.56
32	-4.21	-0.50	-0.90	11.74	-9.96	14.40	4.80	4.80	-1.70	11.37
33	-6.22	2.41	1.30	9.79	-8.17	14.35	4.80	4.50	-2.40	10.37
34	-8.42	6.75	3.20	9.08	-5.78	13.17	4.99	3.50	-2.50	8.86
35	-10.02	11.94	5.02	8.20	-5.10	12.37	3.40	3.50	-2.40	6.78
36	-10.92	16.53	7.91	8.19	-1.10	11.58	1.80	2.70	-0.70	4.99
37	-11.60	18.61	8.29	7.38	0.00	10.96	0.70	2.70	0.70	2.60
38	-11.60	18.69	7.38	5.79	1.20	9.45	-0.80	3.40	2.00	0.70
39	-11.47	18.51	5.39	4.69	2.50	6.87	-2.10	4.30	3.71	-0.10
40	-10.57	17.39	3.49	2.30	3.10	4.19	-3.00	4.79	5.71	-0.00
41	-9.26	17.30	0.60	-0.10	3.20	1.00	-3.00	2.50	4.30	0.10
42	-7.04	17.25	-2.30	-2.90	3.20	-3.10	-3.00	0.10	7.51	-0.10
43	-1.40	16.41	-4.51	-4.20	3.10	-5.01	-3.00	4.71	9.69	-0.20
44	3.51	14.92	-6.72	-4.60	3.10	-6.30	-2.60	7.33	9.15	-0.20
45	8.42	13.33	-8.60	-4.59	3.90	-6.41	-1.70	9.64	11.80	-0.20
46	9.40	11.46	-8.92	-3.39	4.30	-7.00	-0.40	11.76	13.81	-0.90
47	9.59	9.86	-10.02	-0.60	4.50	-7.20	0.10	13.81	14.00	-1.80
48	8.88	7.77	-10.84	1.30	4.50	-7.20	0.10	14.00	13.97	-3.61
49	8.00	5.29	-12.55	4.22	4.40	-7.20	0.00	13.97	14.00	-5.50
50	7.71	3.50	-14.10	9.134	4.50	-7.20	0.10	13.24	13.72	-5.29

RECORD=670	COMPONENT=E-H	SIGNAL=GR.ACC.	CORRECTION=ARC.ERR.	STATION=AOMORI-S						
DATE AND TIME=1972-03-20-00-58	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 5900							
NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-3.80	-6.62	10.62	1.70	-4.81	-6.69	1.80	0.40	3.10	-4.50
2	-2.80	-8.51	11.61	-1.10	-6.50	-5.69	1.80	1.20	3.10	-3.60
3	-0.80	-8.90	11.90	-2.00	-6.70	-4.60	1.60	1.40	3.20	-2.20
4	0.00	-8.98	11.88	-2.00	-6.70	-3.10	1.50	0.30	3.50	-0.70
5	0.90	-7.56	11.17	-2.00	-6.50	-4.00	1.50	0.50	4.10	0.70
6	2.00	-4.29	10.17	-2.40	-6.20	-3.00	1.90	0.60	4.10	2.50
7	2.80	-2.00	8.70	-3.60	-6.51	-3.00	2.30	0.40	3.70	4.31
8	3.20	1.50	8.39	-4.70	-7.20	-3.00	3.10	0.40	2.80	6.11
9	3.40	5.82	7.69	-5.40	-7.29	-2.40	3.40	1.10	1.40	7.10
10	3.40	8.41	6.77	-6.01	-6.59	-1.20	2.80	1.60	0.00	7.09
11	3.40	8.99	4.19	-6.81	-5.20	-1.00	1.80	1.80	-0.60	6.59
12	2.90	8.69	2.20	-7.41	-4.80	0.20	1.20	2.40	-2.00	5.29
13	2.90	8.29	-0.70	-8.41	-4.10	0.20	1.00	2.40	-2.50	3.90
14	2.90	7.69	-3.61	-9.21	-3.40	1.30	0.60	2.40	-2.50	2.60
15	2.80	7.19	-5.71	-10.00	-2.99	2.70	0.60	2.20	-2.40	1.30
16	2.30	6.69	-6.80	-10.00	0.30	3.40	0.60	1.20	-1.60	-0.00
17	2.20	5.69	-6.80	-10.20	3.00	3.80	1.10	0.10	0.00	-1.30
18	4.00	4.89	-6.89	-10.18	5.01	3.80	1.40	0.00	2.60	-2.00
19	5.42	3.00	-6.40	-9.38	7.52	1.80	0.10	0.10	5.91	-2.60
20	8.95	3.00	-6.00	-8.28	8.81	5.11	2.60	0.60	7.92	-2.60
21	12.16	3.00	-5.60	-6.69	9.50	6.11	3.50	1.70	9.20	-1.40
22	14.09	3.90	-5.30	-4.58	9.49	7.61	4.50	2.50	9.29	0.60
23	16.11	3.60	-5.30	-4.58	9.17	8.20	5.60	3.20	8.78	3.20
24	16.30	2.80	-5.80	0.40	7.78	8.30	6.70	4.20	7.58	4.30
25	16.30	1.10	-6.20	4.11	6.49	8.40	6.70	4.40	5.69	4.50
26	16.19	-1.80	-6.30	7.65	4.89	8.40	6.70	4.50	3.60	4.50
27	14.15	-4.11	-6.29	11.60	2.60	8.70	6.39	4.40	1.60	4.50
28	10.83	-6.21	-5.19	15.03	1.20	8.69	5.70	4.40	0.70	4.50
29	8.06	-7.72	-3.10	17.59	-0.00	8.09	5.30	4.40	0.30	4.50
30	5.09	-9.21	-1.00	18.92	-0.40	7.60	4.50	3.50	0.20	4.50
31	3.60	-10.00	0.80	19.15	-0.90	7.30	3.50	3.40	0.20	3.60
32	2.00	-10.01	3.11	18.37	-1.50	7.30	2.80	2.40	1.10	2.40
33	0.80	-10.42	6.53	16.60	-1.50	7.30	1.90	1.90	3.00	1.40
34	-0.30	-11.22	9.85	14.96	-2.40	7.29	1.10	1.90	4.61	0.10
35	-0.30	-11.92	12.41	14.10	-3.20	5.99	-0.10	1.90	6.11	-0.80
36	-0.20	-12.40	15.61	14.09	-3.70	5.00	-0.70	1.90	7.42	-1.60
37	-0.60	-12.37	17.61	13.89	-3.80	4.90	-1.10	1.80	9.01	-2.60
38	-0.60	-11.85	17.72	13.57	-3.80	4.30	-0.60	2.40	9.70	-3.30
39	-0.60	-9.33	18.00	12.86	-3.80	3.70	1.70	3.70	9.78	-4.00
40	-0.60	-5.38	18.00	11.76	-3.80	2.90	3.70	4.00	8.77	-4.00
41	0.70	-2.70	17.97	10.36	-4.70	2.80	4.91	4.00	6.98	-4.00
42	1.10	-0.20	17.47	8.68	-5.01	2.80	6.11	3.00	5.19	-3.00
43	1.30	1.70	16.96	7.20	-6.11	2.60	6.90	2.20	4.10	-1.40
44	1.40	2.30	16.38	7.09	-7.11	2.20	7.30	1.40	2.80	-3.20
45	1.20	3.30	15.96	6.39	-8.22	2.00	7.30	1.20	0.60	-0.90
46	0.40	3.70	15.25	5.49	-9.31	1.80	6.89	1.10	-1.90	0.30
47	-0.90	3.80	14.36	3.79	-10.00	1.80	6.29	0.60	-3.60	1.40
48	-2.10	3.80	11.32	1.80	-10.00	1.80	5.09	1.50	-4.70	1.50
49	-3.30	4.92	8.35	-0.40	-9.99	1.80	3.69	2.40	-4.90	1.90
50	-4.71	8.33	5.08	-3.00	-9.35	1.80	1.40	3.10	-4.90	2.10

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	2.20	-3.60	5.59	-5.99	8.33	3.20	-4.80	2.60	4.30	0.70
2	2.10	-4.40	3.80	-5.20	10.12	2.80	-4.20	3.40	4.70	1.40
3	2.20	-4.40	2.60	-4.49	11.01	2.30	-5.10	3.90	5.30	1.70
4	2.10	-4.40	1.60	-3.30	11.50	2.30	-4.80	3.90	5.90	1.70
5	2.10	-4.40	1.60	-2.120	11.48	2.30	-4.20	4.00	6.20	1.70
6	2.00	-4.09	0.70	-1.60	10.67	2.30	-4.10	3.90	6.60	0.90
7	1.00	-2.60	0.70	-0.80	9.48	2.20	-4.10	3.40	6.90	0.40
8	2.10	-0.80	0.60	0.10	8.19	1.40	-4.00	3.00	7.00	-0.60
9	2.60	0.90	0.70	0.10	7.19	0.90	-4.00	3.00	6.99	-1.30
10	3.10	1.40	0.70	0.20	6.10	0.70	-4.20	1.80	6.09	-1.90
11	3.40	2.00	0.60	0.20	5.60	0.20	-4.50	0.80	5.19	-2.20
12	3.40	2.80	0.50	0.60	5.40	-0.30	-4.60	0.20	4.10	-2.50
13	3.50	3.00	0.20	1.50	5.40	-0.60	-4.90	0.30	2.90	-2.60
14	3.00	3.40	-1.10	2.30	5.40	-1.00	-5.30	0.40	2.00	-2.80
15	2.30	3.50	-1.40	2.90	5.40	-1.00	-5.40	1.30	1.00	-2.80
16	2.50	3.50	-1.30	3.50	5.40	0.50	-5.49	2.20	0.00	-2.80
17	2.20	3.50	-1.30	4.20	5.40	1.30	-4.69	4.01	-0.60	-2.80
18	2.60	3.90	-1.40	4.60	5.40	2.20	-3.40	5.61	-1.20	-2.90
19	3.30	4.70	-1.40	4.60	4.90	2.80	-2.10	7.12	-1.20	-2.80
20	3.40	4.71	-0.30	4.60	4.90	2.80	-0.80	8.52	-1.20	-2.80
21	3.40	5.90	-0.30	4.30	5.20	2.80	0.30	9.93	-1.40	-2.80
22	3.20	6.40	0.00	4.30	5.90	2.10	1.40	11.11	-1.30	-2.80
23	2.00	6.81	0.40	3.90	6.29	1.20	2.20	11.30	-0.40	-2.80
24	1.00	7.70	1.00	3.90	5.09	0.50	2.40	11.29	0.20	-2.80
25	0.20	8.01	1.20	3.90	3.10	-0.30	2.20	10.79	0.50	-1.60
26	-0.70	8.91	1.20	3.90	1.70	-0.40	1.90	10.18	1.00	-0.30
27	-1.70	9.61	0.30	4.50	0.90	-0.90	1.30	9.19	1.00	-0.30
28	-2.60	10.10	-0.40	5.00	0.50	-1.10	0.60	8.59	0.60	0.10
29	-2.70	10.07	-0.90	4.50	-0.30	-1.10	0.70	7.99	0.00	0.60
30	-2.60	8.87	-1.30	5.11	-0.80	-1.10	0.60	6.89	0.00	0.90
31	-2.60	6.99	-1.60	6.30	-1.70	-1.10	0.60	6.00	0.40	1.10
32	-2.00	5.90	-2.00	6.60	-2.50	-0.60	1.10	5.39	1.10	1.10
33	-0.90	5.90	-2.00	6.80	-3.30	-0.50	1.40	4.50	1.60	1.20
34	-0.60	5.90	-2.00	6.90	-3.70	-0.40	1.40	3.90	2.70	0.70
35	0.30	6.10	-2.00	7.10	-3.80	0.90	1.40	4.00	3.50	0.30
36	1.10	6.20	-2.00	7.20	-3.80	1.70	0.40	5.10	4.40	-0.40
37	1.70	6.20	-2.00	7.40	-2.20	2.40	-1.00	5.81	5.20	0.40
38	2.70	6.00	-2.00	7.70	-0.40	3.00	-1.70	7.51	5.50	0.40
39	3.00	6.01	-2.00	7.80	1.30	3.60	-2.50	8.62	5.60	0.40
40	3.40	7.50	-2.50	7.90	2.50	3.80	-3.40	9.74	5.10	-2.00
41	3.60	7.90	-3.00	7.89	3.20	3.10	-4.20	10.20	5.10	-2.00
42	3.50	8.00	-4.30	7.29	3.60	2.30	-5.30	10.40	4.40	-2.70
43	3.90	8.09	-4.90	6.09	3.90	1.10	-6.00	10.38	3.50	-2.60
44	3.90	7.59	-5.00	5.10	4.30	-0.00	-6.00	9.68	3.00	-3.00
45	3.90	6.70	-5.00	4.20	4.70	-1.30	-5.99	8.58	2.20	-3.40
46	3.80	6.70	-5.00	3.80	5.20	-2.40	-4.80	7.08	1.40	-3.50
47	3.20	6.60	-5.61	3.80	5.50	-3.60	-3.00	5.29	0.60	-3.80
48	2.10	6.90	-6.60	3.80	5.19	-4.40	-1.50	4.40	0.40	-4.10
49	0.40	6.90	-6.60	4.41	4.30	-4.40	0.80	4.20	0.40	-4.40
50	-1.20	6.79	-6.59	5.92	3.70	-4.80	1.40	4.30	0.40	-4.40

RECORDS=670 COMPONENT=E-W SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=AOMORI-S
 DATE AND TIME=1972-03-20-00-58 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 5900

NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	-4.40	5.91	2.50	0.30	5.09	2.90	-1.20	1.70	2.60	4.00
2	-4.40	6.60	3.00	0.50	3.80	2.10	-1.70	1.80	2.30	4.00
3	-3.99	6.90	3.30	0.70	3.30	1.80	-2.30	1.80	2.30	4.00
4	-2.40	7.30	2.40	0.80	3.20	1.00	-2.80	1.70	0.70	3.40
5	-2.20	7.50	1.90	0.40	3.20	0.90	-2.40	1.80	0.60	3.30
6	-2.20	7.90	1.90	-0.60	3.20	0.80	-2.40	1.70	0.80	3.20
7	-2.00	8.51	2.40	-0.60	3.20	0.80	-2.40	2.30	0.10	2.90
8	-2.00	8.51	3.00	-1.50	3.60	1.10	-2.80	2.80	0.10	2.80
9	-1.80	9.21	4.00	-1.80	5.30	1.10	-2.40	3.00	0.10	2.50
10	-1.70	9.71	4.60	-2.00	5.10	1.20	-2.40	3.50	0.10	2.50
11	-1.30	10.21	4.60	-2.60	4.60	1.40	-2.40	3.50	0.80	2.70
12	0.00	10.70	5.70	-3.40	4.60	1.50	-2.40	3.50	1.40	3.00
13	0.00	10.68	5.89	-3.40	4.60	1.90	-2.40	3.50	1.40	3.00
14	0.60	9.68	5.20	-3.80	5.11	2.80	-2.40	3.00	2.30	3.20
15	1.20	8.68	4.60	-4.30	7.71	2.90	-1.30	2.20	2.20	3.80
16	1.40	7.49	3.70	-4.30	8.40	3.20	-0.90	1.90	2.50	3.80
17	1.80	6.59	3.00	-4.30	8.40	3.60	-0.70	1.90	2.70	3.80
18	1.90	5.59	2.40	-4.30	8.08	3.90	-0.40	1.90	2.80	3.80
19	2.20	4.60	1.60	-4.30	7.00	4.00	-0.30	1.90	2.80	3.80
20	2.80	4.30	0.80	-4.00	6.69	4.00	-0.30	1.90	2.80	3.80
21	2.90	3.80	0.80	-3.20	5.89	3.60	0.30	1.90	3.20	3.80
22	3.20	3.70	-2.80	-1.70	4.80	4.10	0.30	1.90	3.10	2.50
23	3.90	3.60	-3.70	-1.30	4.00	4.50	0.30	1.90	2.80	2.50
24	3.90	3.60	-4.00	-0.60	3.50	4.60	0.30	1.60	2.10	2.80
25	3.90	3.60	-4.00	-0.20	2.70	5.40	0.30	1.40	0.30	0.30
26	3.90	3.60	-4.00	0.20	2.10	5.90	0.30	0.90	0.80	0.20
27	3.90	3.30	-4.00	-0.20	1.30	6.00	0.30	0.90	0.60	0.20
28	3.90	3.10	-4.00	-0.30	1.20	6.00	-0.00	0.90	0.60	0.20
29	4.40	2.30	-4.00	-0.30	1.20	6.00	-0.50	0.90	0.50	0.60
30	5.00	1.40	-4.00	-0.20	1.70	5.60	-1.70	0.90	1.00	0.40
31	5.30	0.60	-4.00	-0.30	2.20	5.60	-3.30	1.80	1.70	-0.00
32	5.30	-0.50	-4.00	-0.20	2.80	5.70	-3.50	2.60	1.90	-0.30
33	5.40	-1.50	-4.00	1.90	3.10	5.70	-3.50	2.90	2.10	-0.40
34	5.40	-2.10	-4.00	3.10	3.80	5.00	-4.10	3.30	2.30	-0.70
35	4.70	-2.10	-4.10	4.10	4.00	4.19	-4.70	3.30	1.20	-1.00
36	4.10	-2.00	-4.00	4.00	4.40	2.80	-4.80	3.30	0.60	-1.60
37	3.90	-1.30	-4.30	4.00	4.50	1.90	-4.70	3.30	-0.00	-1.60
38	3.90	-0.60	-4.40	4.00	4.50	0.60	-4.70	3.30	-1.00	-1.70
39	3.40	0.30	-4.40	4.10	4.50	-0.50	-4.70	3.30	-1.10	-1.70
40	2.90	0.00	-4.30	4.00	4.50	-2.00	-3.80	3.30	-1.60	-1.70
41	2.90	0.30	-4.30	4.00	3.90	-2.80	-3.00	3.30	-1.60	-1.70
42	2.90	1.10	-3.60	5.50	3.70	-2.30	-2.10	2.60	-1.60	-1.70
43	3.70	1.80	-3.10	6.10	3.00	-2.30	-2.10	1.90	-1.60	-1.70
44	4.10	2.50	-2.50	6.60	2.90	-2.30	-1.10	1.50	-1.60	-1.60
45	4.10	2.80	0.00	6.60	2.40	-2.00	-0.40	1.50	-1.00	0.30
46	4.10	2.60	1.10	6.90	2.40	-1.80	0.20	0.70	-0.50	1.30
47	4.10	2.60	0.90	6.90	2.60	-0.40	0.40	0.70	-0.30	3.10
48	4.40	2.50	0.70	6.90	2.90	-0.30	0.50	1.60	0.90	4.11
49	4.90	2.50	0.60	6.90	2.90	-0.40	1.00	1.90	2.90	5.70
50	5.50	2.50	0.30	6.78	2.90	-0.40	1.40	2.10	3.50	5.40
								2.50	3.80	5.30

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	5.00	4.40	-2.70	3.40	-2.30	3.30	1.80	5.40	4.70	0.90
2	4.48	-4.90	-3.40	3.40	-2.40	3.70	1.10	5.40	4.50	0.40
3	0.30	-5.10	-3.60	3.80	-2.90	4.00	0.50	5.40	4.50	=0.00
4	4.50	-4.80	-3.60	4.50	-3.60	4.70	-0.20	5.40	4.50	=0.40
5	3.50	-4.30	-3.30	5.00	-4.40	5.30	-0.30	5.40	4.70	=0.90
6	2.70	-3.80	-2.80	5.60	-4.80	5.90	-0.30	5.80	5.20	=1.20
7	1.90	-3.30	-2.30	5.80	-5.40	6.50	0.10	6.20	5.30	=1.20
8	1.20	-2.40	-2.00	5.40	-5.60	6.70	0.70	6.41	5.40	=1.20
9	1.20	-2.10	-1.00	4.60	-5.60	6.90	1.30	7.01	5.50	=1.00
10	1.70	-2.00	0.60	4.40	-5.10	6.90	1.60	7.50	5.70	=0.80
11	1.90	-1.70	1.40	3.60	-5.00	6.80	1.60	7.40	5.90	=0.30
12	2.10	-1.40	2.00	3.20	-4.80	6.80	1.30	7.00	5.90	0.
13	2.40	-1.20	2.40	2.50	-4.60	6.70	1.10	6.60	5.90	=0.00
14	2.70	-0.70	1.80	2.50	-4.40	6.20	0.70	6.30	5.00	=0.20
15	2.90	-0.30	2.80	-0.20	-4.10	5.90	0.50	5.80	4.50	=0.20
16	2.90	0.10	2.90	-1.10	-4.10	5.60	0.60	5.50	3.90	=0.20
17	2.60	0.40	3.00	-1.70	-3.40	5.30	1.10	5.40	3.10	=0.30
18	2.80	0.60	3.10	-2.40	-3.00	5.00	1.10	5.40	2.80	=0.50
19	1.80	0.70	3.00	-2.70	-3.00	5.00	0.90	4.80	2.60	=0.70
20	1.40	1.30	3.40	-3.00	-3.00	5.00	0.60	4.70	2.50	=1.10
21	1.00	2.00	4.00	-2.70	-3.20	6.30	0.40	4.40	2.80	=1.20
22	0.50	2.80	4.50	-2.70	-3.40	6.71	-0.10	4.10	2.40	=1.30
23	-0.70	3.20	4.90	-2.40	-3.70	7.41	-0.60	3.70	2.20	=1.10
24	-1.40	3.90	5.30	-2.40	-3.80	8.21	-1.10	3.30	1.90	=0.80
25	-1.60	4.70	5.60	-2.40	-4.00	9.01	-1.40	2.70	1.70	=0.60
26	-2.00	5.10	5.80	-2.60	-3.40	9.71	-1.70	2.10	1.40	=0.20
27	-1.50	5.40	5.70	-2.70	-3.20	10.20	-2.20	1.80	1.40	0.10
28	-0.90	5.40	5.60	-3.00	-2.70	10.40	-2.10	1.60	1.60	0.90
29	-0.30	5.40	5.60	-2.70	-2.50	10.39	-2.70	1.70	1.70	1.10
30	0.20	5.10	5.90	-3.00	-2.70	10.10	-2.40	2.10	2.10	1.20
31	0.30	4.60	6.00	-3.20	-1.70	9.89	-2.20	2.10	2.10	1.10
32	0.90	4.30	5.80	-3.40	-1.50	9.39	-2.00	2.10	2.10	0.90
33	1.10	3.50	5.60	-3.80	-0.70	9.09	-1.70	2.00	2.00	0.70
34	1.40	3.10	5.60	-4.40	0.40	8.59	-1.40	1.70	1.70	0.60
35	2.00	2.80	5.91	-4.80	0.	7.79	-0.90	1.40	1.40	0.30
36	2.30	2.40	6.60	-5.40	0.	6.90	-0.70	1.00	1.00	-0.20
37	1.90	2.20	6.70	-5.70	0.00	6.50	-0.60	1.20	0.70	-0.30
38	1.60	2.10	6.80	-5.80	0.20	6.10	-1.10	1.20	0.50	0.00
39	1.30	1.90	6.60	-5.60	0.50	5.80	-1.20	1.60	0.20	0.10
40	1.30	1.40	6.20	-5.50	1.40	5.30	-1.40	2.50	0.	-0.10
41	1.40	1.40	6.00	-5.40	1.90	4.80	-1.70	2.90	0.00	-0.30
42	1.50	1.00	6.20	-5.10	2.50	4.50	-2.40	3.80	0.20	-0.50
43	1.40	0.70	6.20	-4.80	3.00	4.40	-3.00	4.81	0.30	-0.80
44	0.90	0.00	6.30	-4.40	3.20	3.40	-3.40	5.90	0.60	-1.20
45	-0.00	-0.10	6.10	-4.10	2.80	4.20	-4.00	6.40	0.70	-1.50
46	-1.00	-0.40	5.90	-3.70	2.50	4.00	-4.40	6.40	1.10	-1.70
47	-2.20	-0.60	5.69	-3.30	2.50	3.80	-4.80	6.10	1.50	-1.80
48	-3.10	-1.10	4.60	-3.10	2.50	3.60	-5.30	5.90	1.60	-2.00
49	-3.30	-1.40	4.00	-2.70	2.80	3.20	-5.40	5.80	1.50	-2.00
50	-3.80	-2.00	3.40	-2.50	2.90	2.60	-5.50	5.20	1.30	-1.80

RECORD=S-670
DATE AND TIME=1977-03-20-00-58

COMPONENT=E-N
SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.
FORMAT No.=001

STATION=ADHORI=S
TOTAL NUMBER OF DATA= 5900

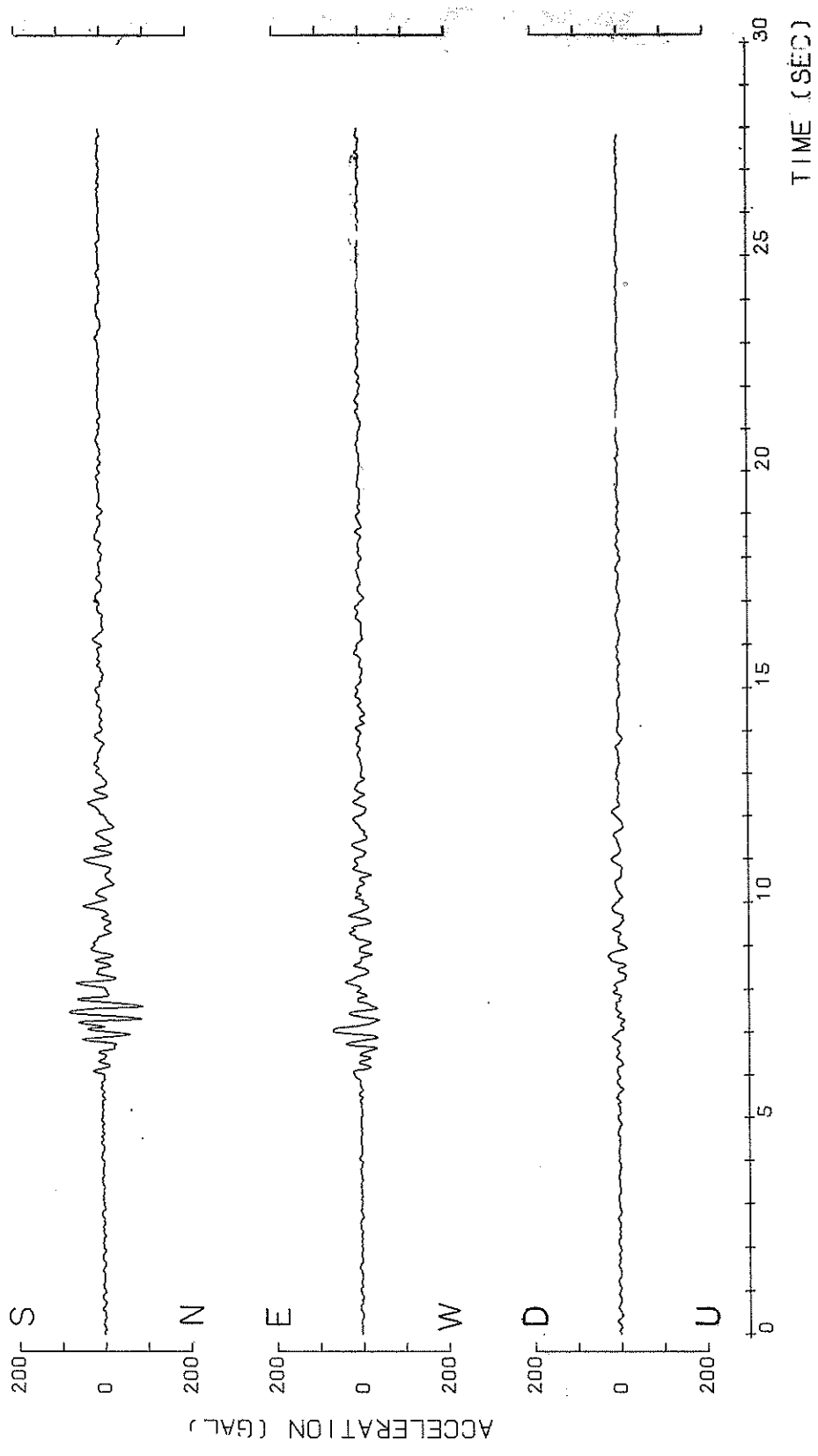
NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	-1.30	-0.40	-0.10	1.50	0.80	-0.10	-1.80	2.50	-1.60	-0.20
2	-1.00	-0.40	0.20	1.20	0.80	-0.70	-1.40	2.80	-1.40	-0.00
3	-0.70	-0.80	0.50	0.70	0.90	-1.10	-1.10	2.80	-1.00	-0.20
4	-0.20	-0.80	0.70	0.70	1.10	-1.30	-1.10	2.50	-1.00	-0.30
5	0.60	-0.80	0.90	0.70	1.40	-1.60	-1.10	2.20	-0.90	-0.20
6	1.30	-0.60	0.90	0.90	1.70	-1.70	-1.30	2.10	-0.60	0.10
7	1.80	-0.40	0.90	1.20	2.00	-2.00	-1.30	2.10	-0.40	0.00
8	2.10	-0.20	0.90	1.70	2.00	-2.10	-1.30	2.20	-0.30	0.40
9	2.20	0.10	0.70	2.10	1.80	-2.10	-1.50	2.40	-0.50	0.50
10	2.10	0.40	0.70	2.70	1.80	-2.10	-1.70	2.20	-0.60	0.50
11	2.50	0.40	0.40	2.90	1.80	-2.10	-1.70	2.10	-0.60	0.60
12	2.80	-0.00	0.40	3.10	1.80	-2.20	-1.80	2.10	-0.50	0.80
13	3.00	-0.30	-0.30	2.90	1.60	-2.40	-1.60	2.40	-0.40	1.10
14	3.10	-0.40	-0.50	2.80	1.40	-2.60	-1.30	2.70	-0.50	1.60
15	3.30	-0.60	-0.70	2.70	1.10	-3.00	-1.00	3.00	-0.60	2.50
16	3.40	-0.60	-1.00	2.50	0.80	-3.20	-1.00	3.80	-0.70	3.00
17	3.50	-0.40	-1.20	2.20	0.70	-3.40	-0.80	4.70	-0.80	3.90
18	4.00	-0.40	-1.40	2.00	0.60	-3.60	-0.50	5.40	-0.80	4.40
19	4.00	-0.60	-1.20	1.90	1.00	-3.60	-0.30	5.90	-1.10	4.80
20	4.00	-0.60	-1.20	1.60	1.40	-3.60	0.10	6.10	-1.30	5.10
21	3.70	-0.60	-1.50	1.40	1.70	-3.60	0.30	5.90	-1.20	5.00
22	3.50	-0.80	-0.10	1.60	2.20	-3.70	0.60	5.80	-1.40	4.90
23	3.40	-1.10	-1.50	1.90	2.70	-3.70	0.80	5.20	-1.80	4.60
24	3.40	-1.20	-1.40	2.40	2.60	-3.60	0.90	4.60	-1.80	4.60
25	3.30	-1.50	-1.30	2.60	2.80	-3.60	1.50	4.40	-1.80	4.20
26	3.20	-1.70	-1.10	3.00	3.00	-3.50	2.10	4.20	-1.70	3.80
27	2.90	-1.90	-0.60	3.30	3.30	-3.50	2.70	3.90	-1.70	3.40
28	2.50	-2.00	-0.30	3.70	3.40	-3.40	2.90	3.70	-1.40	3.00
29	2.10	-2.00	0.20	3.80	3.20	-3.30	3.00	3.70	-1.20	3.00
30	1.90	-2.00	0.70	3.70	3.10	-3.00	3.00	3.50	-0.30	2.80
31	1.80	-1.70	1.20	3.60	2.70	-2.40	3.00	3.30	-0.10	2.60
32	1.40	-1.30	1.70	3.30	1.90	-2.20	2.40	3.10	-0.40	2.50
33	1.40	-1.00	1.80	3.10	1.10	-2.00	2.20	3.10	-0.60	2.30
34	1.40	-0.60	1.90	2.60	0.60	-1.60	2.10	2.80	-1.20	2.10
35	1.60	-0.20	1.90	2.20	0.10	-1.30	1.90	2.40	-1.40	2.10
36	1.60	0.10	2.80	2.00	-0.30	-1.30	1.80	2.20	-1.40	2.10
37	1.70	0.50	3.10	1.80	-0.50	-1.40	1.70	2.00	-1.70	2.10
38	1.70	0.90	3.30	1.60	-0.50	-1.20	1.40	1.80	-1.60	2.00
39	1.60	1.40	3.10	1.50	-0.30	-1.00	0.80	1.50	-1.60	1.80
40	1.40	1.40	3.10	1.30	0.10	-0.30	0.60	1.10	-1.40	1.80
41	1.00	1.40	3.60	0.80	0.30	0.30	0.20	0.50	-1.40	1.80
42	0.50	1.10	3.70	0.30	0.60	0.30	0.20	0.40	-1.40	1.80
43	-0.30	0.80	3.80	0.00	0.70	0.30	0.20	0.30	-1.40	1.80
44	-1.00	0.50	3.80	0.20	0.80	0.30	0.20	0.20	-1.30	1.80
45	-1.40	-0.00	3.80	0.00	0.70	0.00	0.20	0.20	-1.30	1.80
46	-1.60	-0.30	3.80	0.40	1.10	-0.50	0.40	0.20	-1.20	1.80
47	-1.60	-0.60	2.80	0.70	1.10	-1.10	0.70	0.20	-1.10	1.80
48	-1.60	-0.70	2.40	0.90	1.30	-1.70	1.10	0.20	-1.00	0.70
49	-1.30	-0.70	1.90	0.90	0.80	-2.10	1.10	0.20	-0.80	0.50
50	-0.80	-0.50	1.80	0.70	0.60	-2.10	1.80	0.20	-0.70	0.00
						-2.10	2.30	0.20	-0.50	-0.30
						-2.10	2.30	0.20	-0.30	-0.80

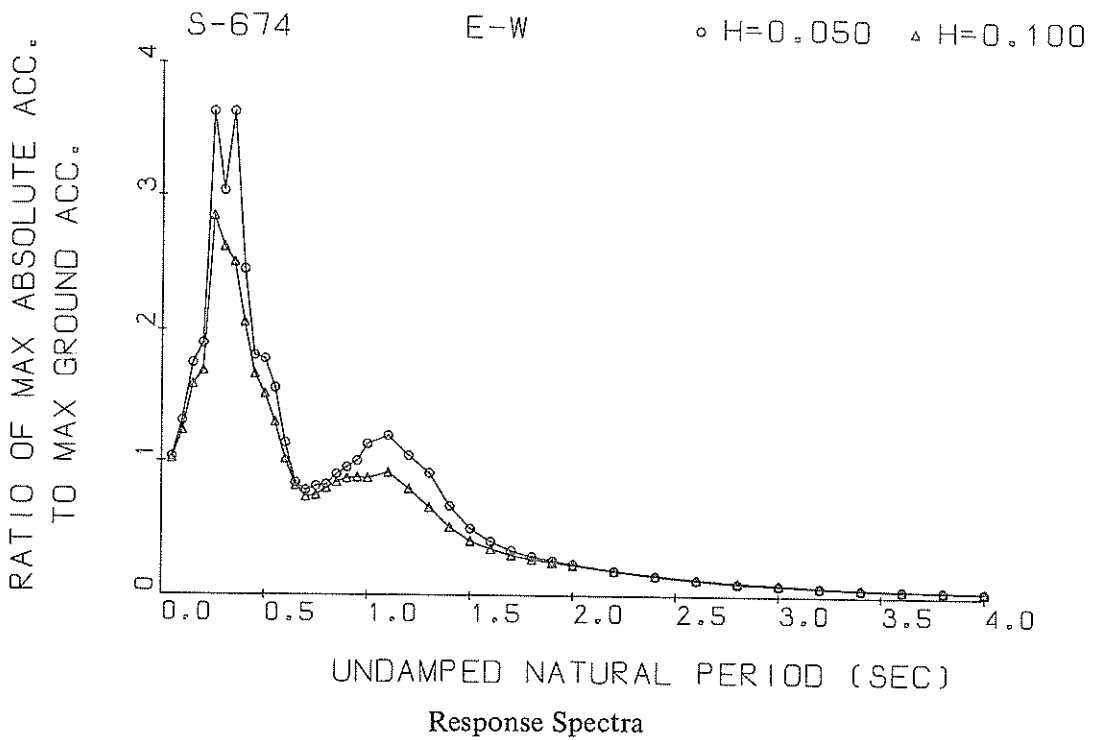
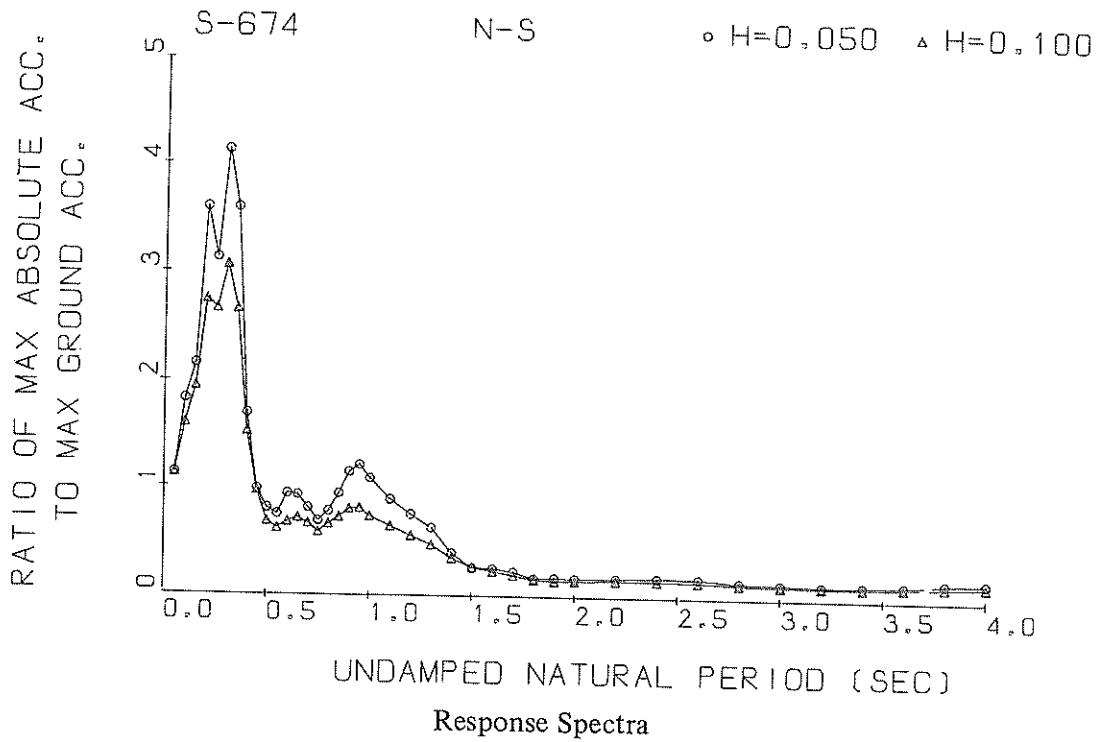
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 DATE AND TIME=1977-03-20-00-56 SAMPLING INTERVAL= 0.010(SEC) FORMAT No.=301 TOTAL NUMBER OF DATA= 5900

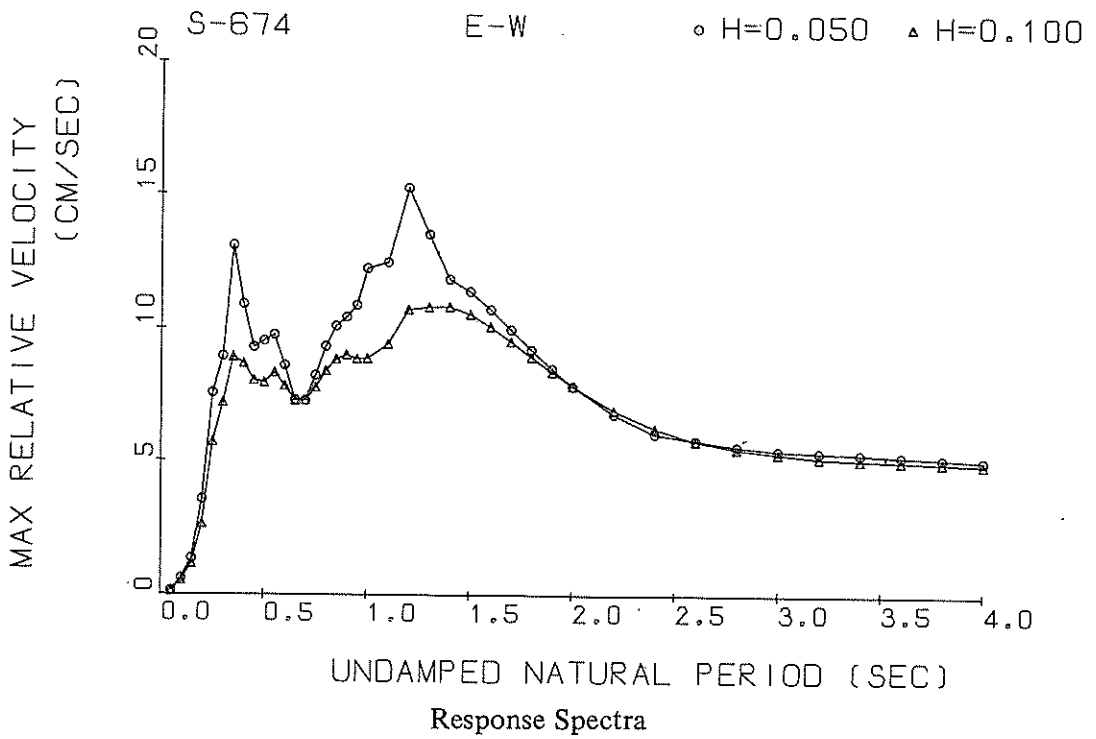
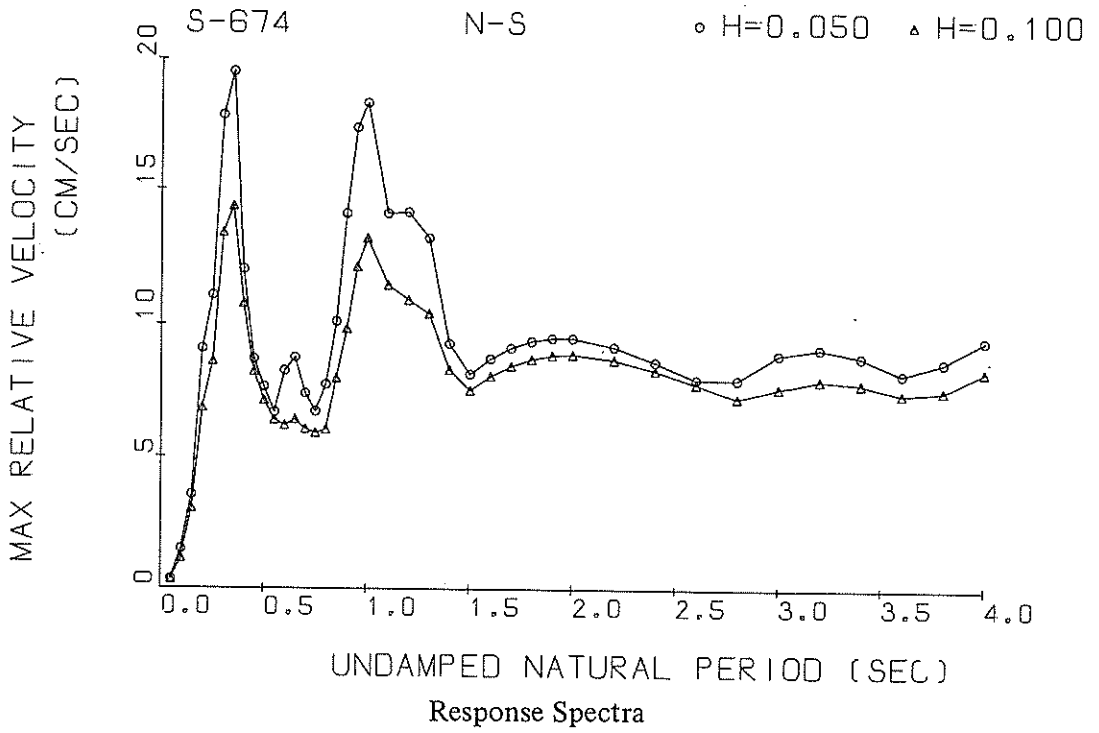
NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	-1.20	0.40	0.10	-0.10	-0.30	3.00	-3.00	1.00	4.10	-5.40
2	-1.60	0.40	-0.20	-0.10	-0.20	2.80	-2.80	1.10	4.00	-5.20
3	-1.90	0.10	-0.50	-0.20	-0.20	2.70	-2.60	0.90	3.80	-5.20
4	-2.30	-0.20	-0.50	-0.10	-0.30	2.40	-2.40	0.90	3.30	-5.20
5	-2.60	-0.40	-0.40	-0.60	-0.60	2.30	-2.30	1.40	2.80	-5.20
6	-2.70	-0.70	-0.20	-0.30	-0.90	2.30	-2.30	1.60	2.50	-5.00
7	-2.70	-0.70	0.10	-0.20	-1.20	2.60	-2.50	2.10	2.10	-4.90
8	-2.80	-0.70	0.50	0.90	-1.30	2.80	-2.60	2.90	1.80	-4.80
9	-2.40	-0.60	1.10	1.10	-1.30	2.90	-2.60	3.40	1.50	-5.10
10	-1.70	-0.50	1.60	1.30	-1.30	3.10	-2.60	4.00	1.40	-5.40
11	-1.30	-0.30	1.90	1.40	-1.30	3.30	-2.40	4.60	1.70	-5.50
12	-0.80	-0.20	2.50	1.40	-1.10	3.50	-2.30	5.10	1.80	-5.50
13	-0.60	0.00	2.80	1.00	-1.00	3.80	-2.30	5.40	2.30	-5.40
14	-0.80	0.30	2.80	0.50	-0.50	3.80	-2.40	5.90	2.60	-5.40
15	-1.00	0.60	2.50	-0.30	-0.40	3.80	-2.40	6.00	3.00	-5.40
16	-1.20	1.00	2.50	-0.60	-0.40	3.80	-2.30	5.90	3.20	-5.30
17	-1.30	1.40	2.50	-1.20	-0.60	3.80	-2.20	5.70	3.20	-5.10
18	-1.40	1.80	2.10	-1.30	-0.60	3.80	-1.80	5.50	3.00	-5.00
19	-1.10	2.40	2.10	-1.60	-1.00	3.80	-1.60	5.50	2.80	-4.80
20	-0.80	2.80	2.10	-1.80	-1.20	3.70	-1.20	5.30	2.40	-4.80
21	-0.40	3.10	2.30	-2.00	-1.20	3.60	-1.00	5.40	2.10	-4.90
22	-0.20	3.40	2.50	-2.30	-1.30	3.10	-0.70	5.70	1.90	-4.70
23	0.	3.70	2.80	-2.70	-1.30	2.70	-0.60	5.90	1.80	-4.40
24	0.00	3.80	3.00	-2.70	-1.20	2.10	-0.50	5.90	1.40	-4.30
25	0.20	3.40	3.20	-2.60	-1.20	1.80	-0.50	5.70	1.20	-4.30
26	0.50	3.30	3.20	-2.60	-1.00	1.40	-0.70	5.60	1.10	-4.40
27	1.00	3.30	2.90	-2.50	-0.70	0.90	-1.00	5.90	1.20	-4.70
28	1.50	3.30	2.60	-1.70	-0.30	0.60	-1.40	6.00	1.20	-5.00
29	1.80	3.50	2.20	-1.40	-0.10	0.50	-1.70	6.30	1.10	-5.40
30	2.40	3.50	1.80	-1.40	0.20	0.	-2.00	6.60	0.80	-5.70
31	2.80	3.20	1.40	-1.40	0.50	-0.20	-2.20	6.60	0.70	-5.20
32	2.90	2.90	1.00	-1.70	0.90	-0.20	-2.40	6.20	0.30	-6.30
33	3.00	2.50	0.70	-1.70	1.20	-0.10	-2.60	5.90	-0.10	-6.30
34	3.10	2.20	0.50	-1.70	1.40	-0.00	-2.70	5.80	-0.40	-6.10
35	3.10	2.00	0.40	-2.30	1.60	-0.30	-2.70	5.60	-0.60	-6.70
36	3.00	1.80	0.40	-2.40	1.80	-0.60	-2.60	5.60	-1.20	-6.10
37	2.40	1.80	0.70	-2.70	2.00	-1.10	-2.40	5.20	-1.50	-4.80
38	1.90	1.80	0.80	-3.00	2.50	-1.50	-2.20	5.00	-2.00	-4.40
39	1.40	1.80	1.10	-3.20	2.80	-1.70	-1.90	4.80	-2.40	-4.20
40	1.00	1.80	1.40	-3.20	2.90	-2.10	-1.40	4.30	-3.00	-3.50
41	0.70	1.50	1.70	-3.10	3.10	-2.40	-1.00	4.30	-3.40	-3.10
42	0.60	1.30	1.80	-2.80	3.20	-3.10	-0.60	4.00	-3.80	-2.70
43	0.40	1.10	1.70	-2.40	3.30	-3.20	0.00	3.80	-4.20	-2.10
44	0.40	1.10	1.50	-2.20	3.30	-3.40	0.40	3.60	-4.40	-1.70
45	0.20	1.20	1.30	-1.60	3.80	-3.40	0.70	3.90	-4.40	-1.30
46	-0.10	1.20	1.00	-1.30	3.30	-3.40	1.10	4.00	-4.40	-0.80
47	-0.30	1.20	0.70	-0.80	3.30	-3.40	1.30	4.20	-4.40	-0.40
48	-0.10	1.20	0.40	-0.40	3.40	-3.30	1.30	4.30	-4.50	-0.30
49	0.00	0.90	-0.10	-0.30	3.10	-3.50	1.10	4.40	-4.80	-0.30
50	0.50	0.50	-0.20	-0.30	3.10	-3.20	1.10	4.40	-5.20	0.00

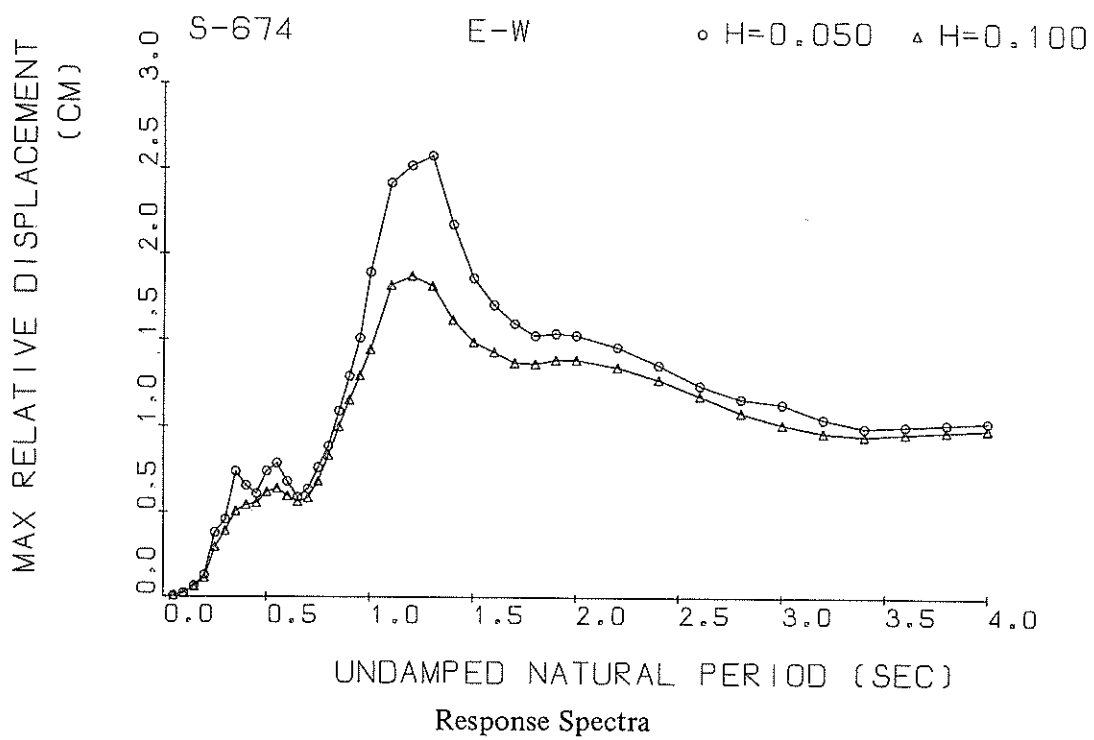
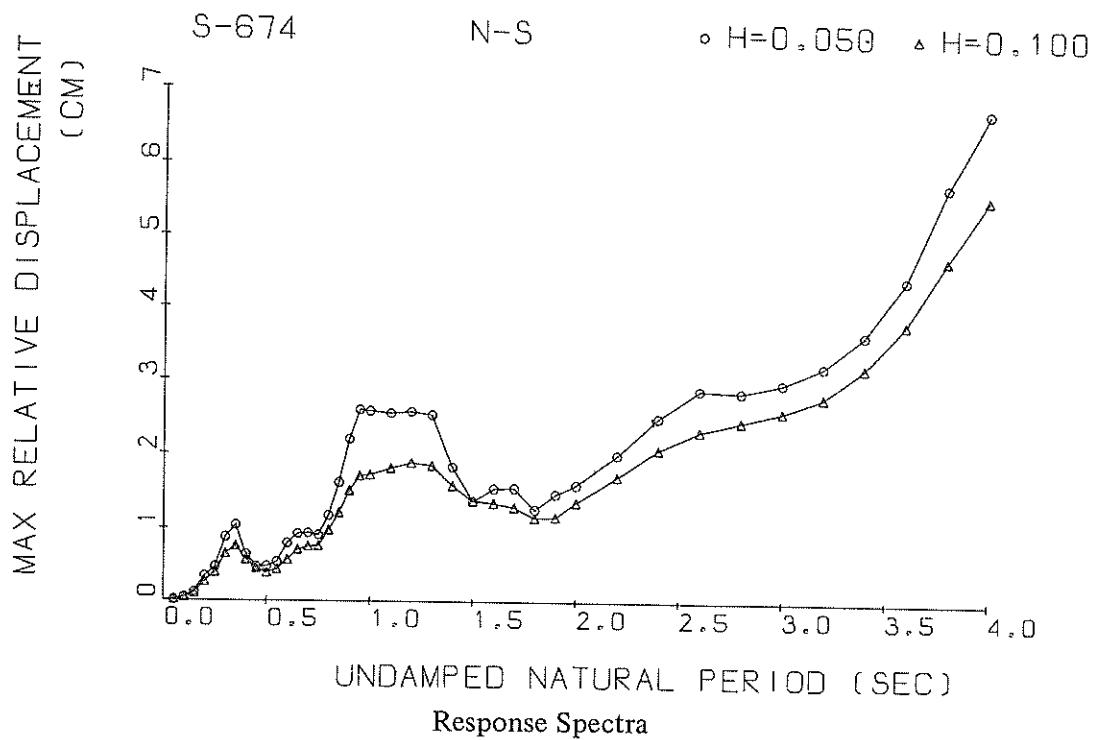
NO.	(5500)	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)	(59000)	(5950)
1	0.30	4.60	-4.10	1.40	2.80	0.60	0.80	0.70	0.	0.
2	0.70	4.80	-4.30	1.60	2.60	0.30	0.80	0.30	0.	0.
3	1.40	4.80	-4.40	2.30	2.50	0.20	0.30	0.30	0.	0.
4	2.00	4.70	-4.60	2.80	2.10	0.30	0.10	0.40	0.	0.
5	2.60	4.80	-5.10	2.80	2.00	0.30	0.10	0.40	0.	0.
6	3.00	4.80	-5.30	2.80	2.00	0.30	0.10	0.40	0.	0.
7	3.50	5.00	-5.30	2.80	2.00	0.30	0.10	0.40	0.	0.
8	3.30	5.00	-5.30	2.80	2.00	0.30	0.10	0.40	0.	0.
9	3.30	4.80	-5.10	2.80	2.00	0.30	0.10	0.40	0.	0.
10	3.30	4.70	-5.10	2.80	2.00	0.30	0.10	0.40	0.	0.
11	3.30	4.60	-5.10	2.80	2.00	0.30	0.10	0.40	0.	0.
12	2.90	4.40	-5.10	2.20	2.50	1.70	0.10	0.40	0.	0.
13	2.50	4.20	-5.10	2.10	2.50	2.40	0.20	0.00	0.	0.
14	2.10	3.80	-4.90	2.00	2.70	2.40	0.50	0.10	0.	0.
15	1.80	3.70	-4.80	2.00	3.00	2.40	0.80	0.30	0.	0.
16	1.80	3.70	-4.80	1.90	3.40	2.40	1.40	0.00	0.	0.
17	1.80	3.20	-4.40	2.00	3.40	2.40	1.40	0.10	0.	0.
18	1.80	3.20	-4.30	2.30	2.50	1.50	1.40	0.10	0.	0.
19	2.00	2.90	-4.10	2.80	2.50	1.50	1.40	0.20	0.	0.
20	2.30	2.40	-4.00	3.00	1.90	1.80	1.40	0.20	0.	0.
21	2.60	2.00	-4.00	3.00	1.60	0.80	1.00	0.20	0.	0.
22	2.80	1.50	-3.80	3.00	1.60	0.60	0.40	0.10	0.	0.
23	2.90	1.10	-3.70	3.00	1.60	0.20	-0.50	0.70	0.	0.
24	3.30	1.10	-3.70	3.00	1.60	-0.20	-0.80	0.40	0.	0.
25	3.70	1.30	-3.50	3.00	1.60	-0.30	-1.10	0.40	0.	0.
26	4.00	1.40	-3.40	2.20	1.90	-0.20	-1.30	0.40	0.	0.
27	4.50	1.40	-3.20	1.80	1.90	-0.30	-1.20	0.40	0.	0.
28	4.50	1.60	-3.20	1.60	2.40	-0.20	-1.30	0.40	0.	0.
29	4.50	1.80	-2.90	1.60	2.90	0.40	-1.30	0.10	0.	0.
30	4.40	1.80	-2.70	1.40	3.40	0.40	-1.20	0.50	0.	0.
31	4.30	1.50	-2.20	1.40	3.70	0.50	-1.20	0.50	0.	0.
32	3.90	1.30	-2.00	1.40	4.00	0.50	-1.30	0.50	0.	0.
33	3.70	1.10	-1.60	1.40	3.90	0.10	-1.30	0.90	0.	0.
34	3.70	0.80	-0.60	1.80	4.00	-0.10	-1.30	2.10	0.	0.
35	3.90	0.50	-0.50	3.20	3.50	-0.10	-1.30	2.10	0.	0.
36	4.10	-0.00	-0.40	3.00	3.00	-0.70	-1.20	2.10	0.	0.
37	4.10	-0.60	-0.20	3.80	2.90	-1.10	-1.30	2.10	0.	0.
38	4.30	-1.30	0.10	3.80	2.90	-1.10	0.00	2.10	0.	0.
39	4.40	-1.90	0.40	3.80	2.90	-1.10	0.10	2.10	0.	0.
40	4.50	-2.60	0.60	3.60	2.60	-1.20	0.10	2.10	0.	0.
41	4.60	-3.20	1.00	3.40	2.20	-1.20	0.10	2.10	0.	0.
42	4.70	-3.30	1.10	2.90	1.80	-1.10	0.10	2.10	0.	0.
43	4.80	-3.30	1.20	2.80	1.80	-0.60	0.80	2.10	0.	0.
44	5.00	-3.20	1.20	2.80	1.80	0.00	1.10	2.10	0.	0.
45	5.00	-3.20	1.10	2.80	1.90	0.40	1.10	2.60	0.	0.
46	5.00	-3.40	1.30	2.80	1.90	0.40	1.10	2.90	0.	0.
47	5.00	-3.40	1.30	2.80	1.90	0.50	1.10	3.20	0.	0.
48	4.80	-3.50	1.40	2.80	1.90	0.80	1.10	3.70	0.	0.
49	4.70	-3.70	1.40	2.80	1.50	0.80	1.10	3.70	0.	0.
50	4.60	-4.00	1.40	2.60	1.00	0.80	1.00	3.90	0.	0.

S-674 KUSHIRO-S 1972-05-14-09-45





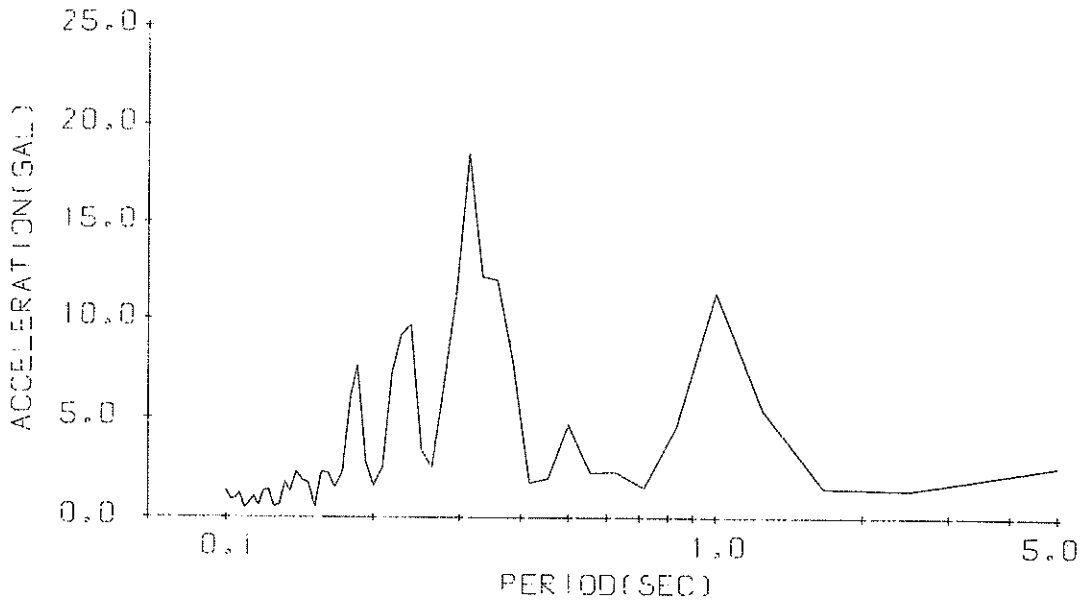




S-674 N-S

TSK=6.00

TUS=5.00

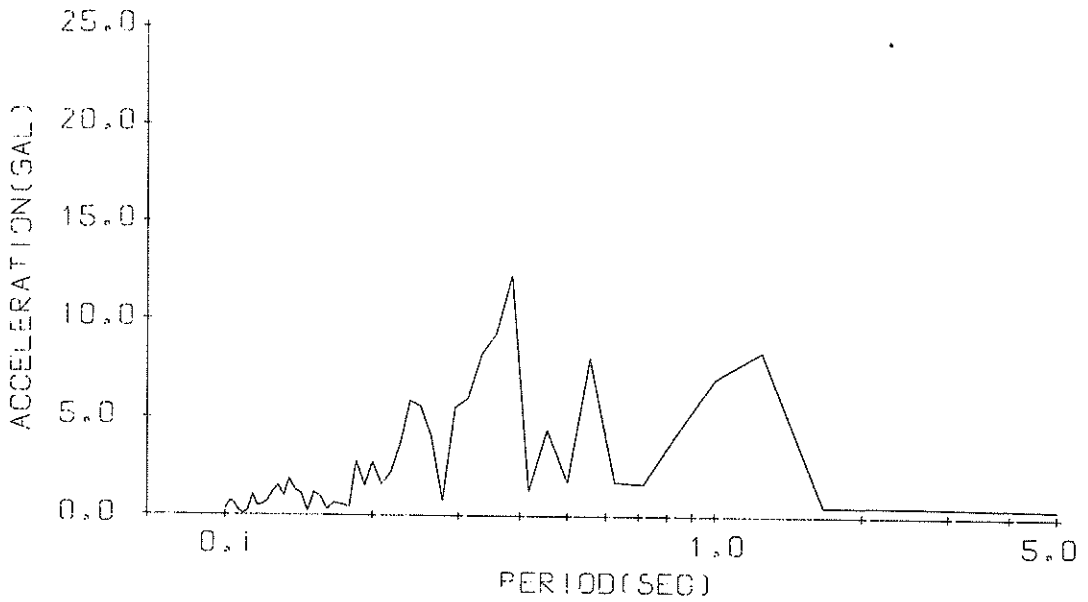


Fourier Spectrum

S-674 E-W

TSK=6.00

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD # S-674 N-S 1972-05-11-09-45
 STATION # KUSHIRO=S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ZERO.ARC
 TIME LENGTH # 15.00(SEC) SKIPPED LENGTH # 5.00(SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 94.06(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.131	106.42	21.58	0.320	0.0067
0.100	1.830	172.08	85.15	1.447	0.0434
0.150	2.155	202.72	133.59	3.528	0.1156
0.200	3.595	338.19	262.52	9.090	0.3432
0.250	3.127	294.09	260.00	11.067	0.4659
0.300	4.132	388.66	393.95	17.844	0.8781
0.350	3.598	338.40	384.56	19.513	1.0401
0.400	1.701	160.00	254.06	12.030	0.6408
0.450	0.986	92.71	186.77	8.709	0.4709
0.500	0.805	75.72	158.76	7.658	0.4762
0.550	0.749	70.49	137.62	6.697	0.5376
0.600	0.938	88.24	127.36	8.280	0.8020
0.650	0.928	87.32	126.38	8.780	0.9302
0.700	0.809	76.05	126.12	7.421	0.9386
0.750	0.690	64.86	125.77	6.732	0.9180
0.800	0.781	73.49	126.18	7.760	1.1851
0.850	0.945	88.86	126.94	10.136	1.6171
0.900	1.146	107.82	130.06	14.113	2.2007
0.950	1.216	114.37	132.02	17.365	2.5996
1.000	1.089	102.39	122.64	18.318	2.5827
1.100	0.890	83.76	124.36	14.105	2.5533
1.200	0.754	70.93	126.36	14.168	2.5775
1.300	0.633	59.55	124.68	13.216	2.5342
1.400	0.395	37.17	121.45	9.302	1.8334
1.500	0.259	24.39	117.73	8.154	1.3798
1.600	0.256	24.10	113.97	8.738	1.5514
1.700	0.227	21.39	110.33	9.152	1.5562
1.800	0.169	15.86	106.92	9.410	1.2788
1.900	0.175	16.49	103.82	9.523	1.4814
2.000	0.171	16.09	101.08	9.511	1.6062
2.200	0.176	16.54	96.73	9.192	2.0125
2.400	0.183	17.25	93.80	8.630	2.5097
2.600	0.181	17.01	92.03	7.969	2.8940
2.800	0.154	14.46	91.09	7.958	2.8620
3.000	0.141	13.24	90.70	8.904	2.9863
3.200	0.133	12.52	90.65	9.127	3.2221
3.400	0.135	12.65	90.82	8.815	3.6619
3.600	0.144	13.55	91.09	8.176	4.4316
3.800	0.168	15.77	91.40	8.632	5.7327
4.000	0.177	16.69	91.73	9.447	6.7584

RESPONSE SPECTRUM

RECORD # S-674 N-S 1972-05-11-09-45
 STATION # KUSHIRO-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO.ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH # 5.00(SEC)
 DAMPING COEFFICIENT # 0.100 MAX.GROUND ACC. = 94.06(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.127	106.04	18.87	0.304	0.0067
0.100	1.604	150.83	63.90	1.104	0.0380
0.150	1.949	183.33	109.18	3.014	0.1020
0.200	2.749	258.59	193.89	6.852	0.2594
0.250	2.663	250.46	203.10	8.628	0.3910
0.300	3.063	288.07	288.55	13.388	0.6443
0.350	2.662	250.37	286.03	14.363	0.7602
0.400	1.533	144.22	234.32	10.771	0.5650
0.450	0.968	91.07	183.03	8.235	0.4473
0.500	0.681	64.06	157.59	7.150	0.3864
0.550	0.617	58.07	139.39	6.402	0.4379
0.600	0.675	63.46	127.02	6.186	0.5724
0.650	0.717	67.40	124.62	6.427	0.7092
0.700	0.666	62.62	123.66	6.051	0.7604
0.750	0.584	54.92	123.36	5.898	0.7635
0.800	0.658	61.89	123.42	6.036	0.9815
0.850	0.722	67.95	123.48	8.006	1.2153
0.900	0.804	75.62	123.01	9.860	1.5111
0.950	0.812	76.41	121.69	12.137	1.7064
1.000	0.735	69.10	119.50	13.191	1.7234
1.100	0.644	60.57	120.45	11.468	1.8120
1.200	0.558	52.48	122.40	10.918	1.8872
1.300	0.471	44.33	121.65	10.416	1.8555
1.400	0.350	32.88	119.44	8.320	1.5883
1.500	0.267	25.09	116.60	7.549	1.3881
1.600	0.230	21.66	113.56	8.080	1.3613
1.700	0.196	18.41	110.54	8.474	1.3054
1.800	0.156	14.68	107.65	8.733	1.1642
1.900	0.148	13.92	104.99	8.869	1.1787
2.000	0.153	14.42	102.59	8.899	1.3741
2.200	0.157	14.77	98.68	8.709	1.7166
2.400	0.156	14.63	95.90	8.300	2.0870
2.600	0.150	14.15	94.07	7.789	2.3332
2.800	0.137	12.93	92.96	7.256	2.4628
3.000	0.124	11.71	92.36	7.651	2.5980
3.200	0.118	11.13	92.09	7.937	2.8059
3.400	0.121	11.40	92.04	7.812	3.2101
3.600	0.126	11.86	92.12	7.425	3.8172
3.800	0.141	13.23	92.27	7.550	4.7183
4.000	0.148	13.90	92.46	8.280	5.5741

RESPONSE SPECTRUM

RECORD # S-674 E-W 1972-05-11-09-45
 STATION # KUSHIRO-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO.ARC
 TIME LENGTH # 15.00(SEC) SKIPPED LENGTH # 5.00(SEC)
 DAMPING COEFFICIENT # 0.050 MAX.GROUND ACC.# 66.29(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.033	68.48	8.93	0.124	0.0043
0.100	1.305	86.53	27.39	0.604	0.0219
0.150	1.747	115.80	50.54	1.344	0.0658
0.200	1.899	125.89	99.62	3.530	0.1264
0.250	3.627	240.43	178.54	7.563	0.3792
0.300	3.031	200.91	162.05	8.959	0.4565
0.350	3.627	240.41	228.59	13.075	0.7407
0.400	2.450	162.41	195.49	10.899	0.6563
0.450	1.808	119.85	141.07	9.294	0.6111
0.500	1.780	117.97	141.21	9.533	0.7434
0.550	1.559	103.32	131.02	9.760	0.7868
0.600	1.137	75.39	101.63	8.609	0.6835
0.650	0.836	55.44	81.76	7.305	0.5890
0.700	0.780	51.72	78.02	7.296	0.6375
0.750	0.812	53.85	78.74	8.247	0.7624
0.800	0.826	54.78	77.95	9.342	0.8847
0.850	0.902	59.79	86.27	10.096	1.0877
0.900	0.954	63.23	93.61	10.429	1.2892
0.950	1.002	66.43	99.39	10.885	1.5105
1.000	1.132	75.01	102.61	12.239	1.8924
1.100	1.198	79.39	102.04	12.471	2.4178
1.200	1.046	69.33	95.69	15.230	2.5198
1.300	0.914	60.58	86.08	13.517	2.5778
1.400	0.665	44.08	84.41	11.857	2.1713
1.500	0.496	32.89	86.09	11.400	1.8581
1.600	0.400	26.53	86.33	10.736	1.7023
1.700	0.333	22.09	85.65	9.987	1.5954
1.800	0.286	18.95	84.44	9.224	1.5253
1.900	0.259	17.18	82.97	8.510	1.5363
2.000	0.233	15.44	81.41	7.860	1.5264
2.200	0.185	12.29	78.43	6.789	1.4597
2.400	0.146	9.68	75.89	6.035	1.3578
2.600	0.115	7.60	73.84	5.793	1.2400
2.800	0.090	5.99	72.24	5.562	1.1625
3.000	0.077	5.11	71.00	5.398	1.1316
3.200	0.063	4.18	70.03	5.346	1.0467
3.400	0.053	3.51	69.29	5.276	0.9965
3.600	0.048	3.19	68.70	5.197	1.0110
3.800	0.044	2.90	68.25	5.115	1.0234
4.000	0.040	2.66	67.89	5.034	1.0342

RESPONSE SPECTRUM

RECORD # S-674 E-W 1972-05-11-09-45
 STATION # KUSHIRO-S INPUT SIGNAL # GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION # ZERO,ARC
 TIME LENGTH # 15.00(SEC) SKIPPED LENGTH # 5.00(SEC)
 DAMPING COEFFICIENT # 0.100 MAX.GROUND ACC.# 66.29(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.015	67.31	7.41	0.120	0.0043
0.100	1.232	81.68	22.10	0.509	0.0206
0.150	1.584	104.99	39.73	1.141	0.0598
0.200	1.690	112.06	76.26	2.628	0.1127
0.250	2.844	188.54	126.65	5.699	0.2941
0.300	2.616	173.41	133.47	7.197	0.3891
0.350	2.505	166.03	160.86	8.920	0.5062
0.400	2.054	136.19	156.11	8.676	0.5415
0.450	1.665	110.38	126.07	8.053	0.5543
0.500	1.513	100.27	121.01	7.958	0.6209
0.550	1.297	85.96	112.29	8.331	0.6419
0.600	1.016	67.36	95.25	7.835	0.5972
0.650	0.816	54.12	82.15	7.279	0.5617
0.700	0.733	48.60	76.23	7.293	0.5845
0.750	0.745	49.38	72.90	7.794	0.6844
0.800	0.797	52.82	75.06	8.416	0.8336
0.850	0.843	55.91	80.55	8.847	0.9956
0.900	0.870	57.69	85.70	9.010	1.1516
0.950	0.877	58.13	90.00	8.873	1.2913
1.000	0.875	57.98	92.79	8.892	1.4419
1.100	0.916	60.75	93.22	9.438	1.6148
1.200	0.794	52.64	88.76	10.727	1.8701
1.300	0.655	43.40	82.01	10.818	1.8113
1.400	0.508	33.66	79.89	10.842	1.6165
1.500	0.405	26.83	81.81	10.557	1.4872
1.600	0.344	22.80	82.54	10.097	1.4310
1.700	0.295	19.57	82.43	9.531	1.3674
1.800	0.267	17.67	81.80	8.950	1.3626
1.900	0.246	16.29	80.87	8.381	1.3840
2.000	0.224	14.88	79.78	7.849	1.3850
2.200	0.184	12.22	77.54	6.943	1.3459
2.400	0.150	9.96	75.49	6.258	1.2719
2.600	0.122	8.12	73.76	5.764	1.1809
2.800	0.100	6.64	72.35	5.460	1.0836
3.000	0.083	5.48	71.22	5.284	1.0162
3.200	0.069	4.56	70.33	5.121	0.9671
3.400	0.058	3.83	69.61	5.042	0.9501
3.600	0.049	3.25	69.04	4.997	0.9665
3.800	0.045	2.97	68.58	4.944	0.9807
4.000	0.041	2.74	68.21	4.887	0.9928

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.01	-2.21	-2.53	1.86	0.04	-0.28	-0.48	1.90	0.28	0.17
2	0.00	-2.20	-1.92	1.46	0.05	-1.07	-0.59	1.51	1.69	0.97
3	0.11	-1.31	-1.22	0.67	0.35	-1.76	-0.38	1.50	2.69	1.78
4	0.22	-0.30	-0.92	0.07	0.86	-2.56	-0.17	1.81	3.99	2.48
5	0.12	1.01	-0.31	-0.88	0.86	-2.56	0.23	1.92	4.80	3.48
6	0.52	2.61	-0.00	-1.52	0.56	-2.25	0.63	2.31	4.81	4.19
7	0.03	4.11	0.09	-2.52	0.97	-1.85	0.94	3.42	4.40	3.79
8	-0.47	4.42	-0.30	-3.22	1.27	-1.24	1.44	4.03	4.21	2.69
9	-1.17	4.21	0.11	-3.71	1.67	-0.84	1.64	3.53	4.02	1.00
10	-2.76	3.82	0.60	-3.40	2.28	-0.34	1.65	2.53	3.51	-0.30
11	-2.76	3.73	1.01	-3.01	1.88	-0.33	1.35	1.74	3.12	-1.50
12	-2.46	2.73	1.72	-3.00	1.58	-0.33	1.25	0.74	2.73	-2.39
13	-2.25	1.33	2.11	-3.39	1.19	-1.03	1.06	-0.16	2.53	-2.38
14	-1.75	0.14	1.92	-3.60	0.60	-1.52	0.66	-0.85	2.53	-1.86
15	-1.54	-0.66	1.43	-3.59	0.29	-1.91	0.67	-0.85	2.54	-0.78
16	-1.84	-1.16	0.83	-3.38	0.10	-1.52	1.17	-0.44	2.74	-0.07
17	-1.94	-1.15	0.43	-2.58	0.01	-0.81	1.37	-0.04	2.74	0.93
18	-1.93	-1.78	0.34	-1.78	0.20	-0.30	1.38	-0.56	2.55	1.53
19	-1.43	-1.05	0.34	-0.77	0.41	0.39	1.58	1.07	2.25	1.94
20	-0.65	-1.94	-0.06	0.13	0.62	1.20	1.28	1.37	1.75	1.74
21	0.08	-3.24	-0.65	1.13	0.61	2.11	1.28	1.17	1.75	1.44
22	0.88	-4.04	-1.05	1.84	0.42	3.10	0.69	0.88	0.66	0.95
23	1.38	-4.43	-1.14	2.14	-0.37	3.61	0.29	0.48	-0.04	0.56
24	1.89	-4.53	-1.04	2.74	-1.38	3.92	-0.20	0.08	-0.63	0.56
25	2.30	-4.72	-1.04	2.95	-2.07	3.71	-0.59	0.41	-0.83	1.06
26	1.99	-4.50	-1.43	2.76	-2.66	3.72	-0.60	0.60	-0.92	1.36
27	1.60	-2.42	-1.73	2.95	-2.66	3.63	-0.19	0.31	-1.12	1.87
28	1.31	-1.21	-2.03	2.86	-2.66	3.63	0.32	0.20	-1.62	2.37
29	0.40	-0.10	-2.12	2.46	-2.35	3.63	0.61	0.09	-1.61	2.97
30	0.11	0.89	-2.12	2.27	-2.05	3.44	0.32	0.30	-1.50	3.28
31	0.22	1.60	-1.92	2.47	-1.44	2.84	0.13	0.51	-1.31	3.28
32	0.52	2.21	-1.71	2.77	-0.54	2.54	0.03	0.52	-1.20	2.98
33	0.02	2.40	-1.10	2.78	0.26	2.15	-0.17	0.41	-0.89	2.49
34	-0.47	2.41	-1.01	2.58	0.97	1.55	-0.46	0.12	-0.40	1.29
35	-0.87	2.12	-0.70	2.08	0.97	1.75	-0.76	0.27	0.21	-0.21
36	-1.47	2.21	-0.29	1.19	1.27	-0.74	-1.16	0.78	1.12	-1.80
37	-2.36	2.22	0.60	0.20	1.38	-2.24	-1.55	1.27	1.81	-2.19
38	-3.06	2.23	-0.79	-0.51	1.68	-3.04	-2.05	1.46	2.92	-1.79
39	-3.86	2.23	-0.78	-1.10	1.68	-3.33	-1.65	1.06	4.03	-0.69
40	-4.15	1.93	-0.78	-1.80	1.29	-3.33	-1.54	1.06	4.83	0.62
41	-4.15	1.74	-0.38	-2.70	0.60	-3.12	-0.74	0.75	5.03	1.61
42	-3.84	1.44	0.13	-3.29	0.09	-2.61	-0.23	0.75	5.04	2.42
43	-3.03	0.74	0.43	-3.68	0.40	-2.12	0.27	0.75	4.74	3.53
44	-1.84	0.05	1.03	-3.28	0.91	-1.51	0.47	1.04	4.14	4.13
45	-1.43	-1.05	1.84	-2.87	1.40	-1.10	0.88	1.34	3.15	4.73
46	-1.73	-2.05	2.04	-1.77	1.91	-0.41	1.48	1.65	4.84	4.54
47	-1.83	-3.14	2.34	-0.97	2.02	0.10	2.18	1.73	0.49	3.74
48	-2.22	-4.44	2.75	-0.47	1.71	0.11	2.49	1.43	0.06	3.74
49	-2.22	-3.63	2.75	0.14	1.12	0.14	2.60	1.02	0.06	3.15
50	-2.52	-3.22	2.35	0.24	0.53	-0.19	2.19	0.32	0.07	2.15

REC'D=674
DATE AND TIME=1972-05-11-09-45

COMPONENT=N-S
SIGNAL=GR.ACC.
CORRECTION=ZERO ARC
FORMAT NO.=301

STATION=KUSHIRO-S
TOTAL NUMBER OF DATA= 2800

NO.	COMPONENT-N-S					SIGNAL=GR.ADC. SAMPLING INTERVAL= 0.010(SEC)	CORRECTION=ZERO,ARC FORMAT NO.=R301	STATION=KUSHIRO-S TOTAL NUMBER OF DATA= 2800				
	(500)	(550)	(600)	(650)	(700)			(750)	(800)	(850)	(900)	(950)
1	1.45	1.84	-1.56	-0.27	-20.87	70.39	-6.07	2.46	19.44	-16.70		
2	1.46	2.94	0.33	4.94	-8.64	63.70	-6.48	6.08	18.53	-18.11		
3	1.96	3.55	1.51	7.83	3.97	56.58	-6.60	8.82	17.88	-19.23		
4	1.97	3.55	1.08	9.31	14.37	49.95	-5.81	13.07	17.59	-19.91		
5	1.37	3.35	5.81	10.65	21.65	40.43	-1.53	-16.09	17.68	-19.90		
6	1.47	2.86	11.54	9.87	26.86	27.04	4.73	-17.75	18.64	-19.16		
7	1.98	1.56	15.11	6.87	31.63	10.25	11.30	-17.82	19.48	-17.18		
8	2.48	0.06	1.80	34.79	-19.25	-19.25	19.88	-16.61	20.44	-17.18		
9	2.78	-1.13	22.13	-3.52	34.95	-48.79	28.23	-14.64	20.54	-14.23		
10	2.59	-2.33	23.31	-9.53	32.02	74.88	36.51	-11.97	20.54	-11.18		
11	1.99	-2.52	23.36	24.53	-16.21	91.42	44.01	-7.71	19.89	-7.71		
12	1.49	-2.01	21.39	-23.34	9.66	-94.06	50.76	4.66	18.30	-5.34		
13	1.40	-1.22	17.04	-26.68	-3.18	-89.97	56.13	1.17	13.26	-0.67		
14	1.71	-0.41	12.81	-27.88	-1.90	83.90	59.74	3.27	12.18	0.91		
15	1.50	0.90	10.40	-27.72	3.62	76.58	61.53	8.85	11.68	0.79		
16	1.11	2.19	6.71	-26.96	8.94	67.44	61.76	13.29	11.37	0.06		
17	0.72	3.50	1.55	-25.88	16.23	57.49	56.76	16.53	11.34	-2.15		
18	0.01	4.81	-2.58	-25.33	24.58	47.10	49.59	17.14	11.04	-4.56		
19	-0.28	5.50	-6.83	-25.13	29.87	-56.02	36.52	15.96	11.00	-7.39		
20	0.43	5.51	-10.58	-25.155	37.78	-23.90	19.00	12.82	10.56	-10.21		
21	1.13	5.02	-13.71	-26.83	44.95	-12.08	5.87	8.36	9.64	-13.43		
22	1.53	4.71	-15.70	-28.94	50.21	-0.13	-5.75	4.63	8.35	-13.03		
23	1.74	3.72	-30.69	54.34	54.34	10.41	-16.33	2.49	5.29	-13.05		
24	2.04	2.73	-31.31	56.31	56.31	22.53	-24.03	3.67	2.38	-12.66		
25	2.24	1.82	-15.59	-29.124	55.90	42.16	-28.85	9.94	-2.00	-11.98		
26	2.55	1.13	-13.27	-25.32	51.55	53.48	-30.63	-15.64	-3.71	-11.00		
27	3.15	1.14	-9.25	-16.71	34.26	58.38	-31.55	-20.19	-6.93	-9.82		
28	3.15	1.64	-4.14	-8.82	7.31	60.13	-29.73	-23.02	-10.56	-6.44		
29	2.76	2.34	-0.58	1.15	-30.51	58.50	-26.83	-23.91	-15.71	-7.26		
30	1.86	2.95	2.82	14.35	-50.63	53.85	-22.29	-23.91	-16.24	-5.98		
31	1.06	3.55	5.82	27.11	-73.57	45.30	-16.29	-18.45	-19.86	-4.00		
32	0.77	3.95	7.90	34.95	-88.05	34.18	-11.95	-18.45	-19.86	-1.90		
33	1.47	4.36	9.18	40.98	-90.47	21.32	-7.42	-14.81	-18.77	3.33		
34	2.68	3.56	9.92	45.95	-85.11	5.58	-2.45	-9.51	-17.08	6.52		
35	2.58	1.86	9.10	47.83	-70.37	5.59	4.29	8.17	-14.83	11.80		
36	2.98	0.57	7.66	44.13	-64.65	-10.72	8.73	1.96	-12.55	17.53		
37	3.09	4.58	35.91	-52.14	-52.14	12.82	12.28	7.21	24.03	24.03		
38	2.99	-1.63	2.07	25.10	-38.42	13.33	13.78	11.12	-7.62	29.93		
39	2.59	-2.73	0.05	11.09	-29.72	-13.34	13.82	15.93	-5.64	34.95		
40	2.00	-4.03	-1.77	-4.80	-5.46	-12.83	13.17	19.04	-4.26	40.35		
41	1.00	-4.40	-3.09	-17.26	13.99	-12.07	11.17	23.72	-4.29	45.46		
42	-0.20	-3.70	4.01	-28.08	29.31	-11.99	11.17	25.52	-4.29	45.46		
43	-2.40	-3.20	4.73	-36.20	43.45	-10.41	10.59	25.52	-4.62	44.39		
44	-3.99	-2.80	-5.34	-48.91	56.35	-9.83	10.68	26.53	-5.33	41.23		
45	-4.28	-2.80	-6.17	-59.52	65.01	-9.86	10.95	26.65	-6.35	37.19		
46	-3.77	-3.10	-6.78	-62.58	72.31	-10.27	10.92	25.96	-7.27	32.47		
47	-2.96	-3.39	-7.59	-59.46	78.00	-9.98	10.66	24.62	-8.69	27.36		
48	-1.57	-3.38	-6.70	-53.45	79.45	-8.60	9.29	23.16	-9.91	23.11		
49	-0.36	-3.28	-4.476	-44.76	78.63	-7.32	8.41	22.09	-12.05	19.15		
50	0.64	-2.47	-4.14	-33.65	75.67	-6.24	2.91	22.09	-14.28	16.65		

NO.	STATION:KUSHIRO-S									
	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	13.76	-16.50	35.50	1.39	-5.04	-6.85	10.19	5.02	-0.22	0.33
2	10.25	15.72	30.90	3.00	-4.83	-2.88	10.99	4.12	-1.03	0.32
3	5.57	-14.75	25.86	5.22	-3.56	0.52	11.69	3.82	-1.63	0.72
4	0.74	-13.46	20.07	7.79	-3.27	4.02	12.27	3.61	-2.53	1.22
5	-4.04	-11.99	12.76	9.59	5.75	6.64	12.45	3.41	-2.74	2.12
6	-7.25	-10.02	7.71	11.15	5.55	9.04	12.14	3.21	-2.74	3.42
7	-9.28	-9.04	2.09	12.24	5.35	10.76	11.53	2.61	-2.24	5.02
8	-9.90	-8.57	8.06	13.35	5.25	12.85	10.92	2.30	-1.25	6.92
9	-9.32	-8.59	8.95	13.68	5.04	14.24	9.72	1.80	-0.23	8.42
10	-8.34	-7.80	13.31	13.65	4.84	15.13	8.62	1.30	1.15	9.82
11	-5.97	-6.73	18.36	13.47	5.14	15.72	7.02	0.59	2.35	10.91
12	-3.18	-6.45	21.28	12.65	5.94	16.19	5.64	-0.01	3.55	10.50
13	-0.48	-6.47	22.89	10.99	6.54	16.14	5.34	-0.61	4.64	10.58
14	2.52	-6.80	21.85	9.56	7.34	15.39	5.94	-0.91	5.36	10.28
15	5.14	-7.52	19.39	6.64	8.44	13.67	6.84	-1.42	5.23	10.08
16	8.57	-8.63	16.44	4.41	9.04	11.16	8.05	-2.42	4.93	9.98
17	11.53	-10.56	12.21	1.21	9.74	7.32	9.15	-3.53	4.63	9.77
18	13.20	-12.59	8.35	-3.64	10.64	3.16	10.56	-4.93	4.22	9.57
19	14.41	-14.42	-3.14	-9.13	11.44	-0.93	12.08	-6.23	3.62	9.36
20	14.84	-16.14	1.30	-14.28	12.16	-4.34	13.89	-6.93	3.32	8.76
21	14.76	-17.16	5.59	-19.26	13.69	-7.15	15.56	-6.33	2.64	7.95
22	14.15	-17.76	10.30	-23.41	15.50	-8.26	16.32	-5.23	2.11	6.85
23	13.51	-17.68	13.40	-26.03	17.16	-9.86	16.39	-3.84	1.31	5.85
24	12.62	-17.71	15.91	-27.76	19.49	-10.86	16.06	-2.64	0.01	5.06
25	11.95	-18.14	18.11	-28.11	21.83	-11.45	15.25	-0.95	-0.70	4.56
26	10.79	-18.47	19.06	-27.49	24.86	-11.55	14.85	1.53	-1.30	4.45
27	10.28	-19.18	17.98	-26.31	26.83	-11.47	13.36	3.73	-1.30	4.75
28	9.92	-19.37	15.41	-24.86	28.89	-11.97	12.56	5.25	-0.80	4.95
29	8.95	-18.96	12.35	-23.69	30.47	-12.36	11.63	5.94	-0.21	5.04
30	6.83	-17.09	6.43	-22.40	31.65	-12.15	9.97	6.04	0.79	4.74
31	3.96	-14.72	0.80	-20.94	31.88	-11.74	9.48	6.94	1.69	4.44
32	1.74	-11.57	-9.34	-19.38	31.74	-10.75	9.17	7.25	2.59	4.44
33	-1.75	-8.80	-14.68	-18.11	30.93	-9.76	8.87	7.25	3.48	4.74
34	-3.26	-3.90	-17.42	-16.94	29.38	-8.96	8.37	6.93	4.07	5.33
35	-7.18	1.23	-19.64	-15.86	27.75	-8.07	7.96	4.17	4.88	5.33
36	-9.80	5.39	-20.94	-14.39	25.26	-7.37	7.47	4.07	4.07	5.33
37	-13.05	9.83	-21.23	-14.31	21.85	-6.38	7.36	4.17	4.17	6.03
38	-16.71	14.66	-20.75	-13.83	18.10	-5.29	7.26	4.17	4.17	6.93
39	-20.30	18.46	-20.25	-13.15	15.55	-4.39	7.36	3.76	3.76	7.53
40	-23.73	23.38	-19.08	-12.48	8.85	-3.59	7.36	3.46	3.46	8.64
41	-26.10	27.76	-17.90	-11.50	3.63	-2.90	7.46	2.96	2.96	9.93
42	-27.22	30.93	-16.34	-10.81	-1.45	-2.00	7.46	2.46	2.46	10.72
43	-27.19	34.16	-14.76	-10.14	-6.68	-1.30	7.76	1.65	1.65	11.12
44	-28.57	37.35	-12.88	-9.56	-10.40	-0.41	8.25	0.75	0.75	11.71
45	-29.39	39.91	-10.41	-9.48	-12.39	0.79	9.05	0.15	0.15	12.01
46	-24.12	41.60	-7.24	-9.41	-13.18	2.49	9.33	-0.46	-0.46	12.30
47	-22.74	42.01	-4.55	-8.26	-13.55	3.79	8.92	-0.76	-0.76	12.50
48	-21.08	41.77	-2.57	-6.24	-13.13	4.99	8.92	-0.86	-0.86	12.69
49	-19.62	40.71	-0.50	-6.86	-12.01	6.39	8.32	-0.86	-0.86	12.78
50	-18.05	38.73	0.30	-5.79	-9.72	7.81	6.31	-0.37	-0.37	12.98

RECORDS=674
DATE AND TIME=1972-05-11-09-45
COMPONENT=N-S
SIGNAL=GR.ACC.
CORRECTION=ZERO,ARC
TOTAL NUMBER OF DATA=2800
FORMAT NO.=301

NO.	COMPONENT=N-S					CORRECTION=ZERO,ARC					STATION=KUSHIRO=S								
	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)
1	11.80	7.44	-1.12	-1.87	8.51	8.55	-1.61	12.74	-1.01	2.95									
2	9.34	8.44	0.18	-2.37	9.70	9.04	-1.61	12.72	-2.51	3.74									
3	7.45	9.12	1.98	-3.07	10.50	9.43	-1.52	12.51	-3.51	4.24									
4	5.66	8.81	3.39	-3.17	11.08	9.43	-2.12	11.71	-4.22	4.54									
5	4.26	8.20	4.84	-2.68	11.07	9.43	-2.42	11.00	-4.72	4.53									
6	3.76	7.00	6.10	-2.68	11.07	9.42	-2.93	10.10	-4.72	4.53									
7	2.86	6.10	11.71	-2.28	11.07	9.41	-3.23	9.10	-4.73	4.63									
8	2.56	5.20	13.12	-2.09	11.08	8.48	-3.23	8.01	-4.73	4.63									
9	3.06	4.20	14.55	-1.69	11.47	6.29	-3.23	7.42	-4.13	5.12									
10	3.15	3.40	16.45	-1.49	11.67	3.90	-2.24	7.51	-3.13	5.52									
11	3.25	2.90	17.93	-1.50	12.07	2.51	-1.24	7.01	-2.44	5.72									
12	3.25	2.90	19.01	-1.90	12.45	1.50	0.26	7.11	-1.14	6.01									
13	3.64	3.10	19.65	-2.30	12.44	1.40	1.45	7.10	0.26	6.21									
14	3.74	3.80	19.56	-2.71	12.23	1.10	2.15	6.80	1.66	6.51									
15	3.83	4.70	18.65	-3.21	11.62	1.10	3.45	6.80	3.35	6.80									
16	3.03	6.40	17.51	-3.91	10.72	1.09	4.05	6.79	4.35	6.80									
17	1.53	7.69	15.74	-4.31	10.02	1.09	4.34	6.49	5.35	6.80									
18	-0.27	8.18	14.05	-4.32	9.31	1.89	4.74	5.78	5.95	6.79									
19	-2.27	8.17	12.27	-4.02	8.31	1.78	5.04	4.78	6.54	6.78									
20	-2.68	7.67	10.59	-3.62	7.01	1.78	5.03	3.58	6.94	6.28									
21	-3.08	7.16	9.40	-2.62	5.61	1.78	5.03	2.68	6.94	5.68									
22	-3.08	6.46	8.31	-0.73	4.02	1.88	4.72	1.68	7.22	5.38									
23	-2.99	5.76	7.62	1.17	2.72	1.87	3.92	1.08	6.62	5.08									
24	-2.59	5.16	7.61	2.47	1.52	1.87	3.02	0.77	6.02	5.08									
25	-2.09	4.96	7.19	3.57	0.61	1.87	3.02	0.37	6.01	5.07									
26	-2.00	4.86	5.49	4.67	-0.49	1.86	2.51	0.37	5.21	4.67									
27	-2.40	4.96	3.70	5.86	-0.99	2.16	1.81	0.36	4.51	4.67									
28	-2.90	5.35	2.30	6.36	-1.29	2.66	1.01	0.76	4.11	5.17									
29	-3.51	5.35	1.20	6.85	-1.60	3.16	0.41	1.06	3.61	5.56									
30	-4.01	5.34	0.00	6.95	-1.60	3.75	0.40	1.05	3.01	5.96									
31	-4.71	5.54	-1.31	6.95	-1.60	4.35	-0.50	1.25	2.30	6.46									
32	-6.02	5.64	-2.61	7.35	-1.61	5.25	-1.00	1.55	2.30	7.15									
33	-6.31	5.24	-3.61	8.04	-1.91	5.24	-1.01	1.55	1.80	7.25									
34	-5.81	5.64	-4.12	8.04	-2.31	5.24	-0.51	1.94	1.80	7.66									
35	-5.02	5.93	-4.72	8.34	-2.62	5.54	0.79	1.74	1.69	8.35									
36	-4.12	6.43	-5.12	8.63	-2.92	5.63	1.59	2.52	1.49	8.85									
37	-3.32	6.93	-5.32	8.63	-2.92	5.73	2.79	2.94	1.49	9.24									
38	-2.13	7.63	-5.13	8.61	-2.82	5.83	4.19	4.14	1.88	9.53									
39	-0.83	8.42	-5.03	8.11	-2.73	5.72	6.81	5.13	1.98	9.53									
40	0.26	8.71	-4.53	7.21	-2.53	5.72	9.62	5.93	2.18	9.51									
41	0.76	8.70	-4.03	6.30	-1.73	5.11	11.51	6.42	2.37	8.59									
42	0.16	8.29	-3.44	5.11	-1.64	3.51	12.60	6.42	2.37	6.71									
43	0.15	7.29	-2.64	4.11	-1.04	2.31	13.37	6.82	2.37	5.21									
44	0.55	6.19	-2.05	3.71	0.36	1.81	13.56	6.81	1.96	3.51									
45	0.75	4.49	-1.35	3.60	2.16	-0.29	13.56	6.120	1.76	2.71									
46	1.05	2.19	-0.55	3.60	3.06	-0.70	13.56	5.50	1.66	1.66									
47	1.54	0.79	-0.05	4.20	4.26	-1.40	13.55	4.49	1.66	1.21									
48	2.84	-0.81	-0.56	5.00	5.46	-1.80	13.53	2.60	1.65	0.70									
49	4.35	-1.81	-0.96	5.80	7.15	-1.81	13.04	1.50	1.65	0.70									
50	6.05	-1.81	-1.36	7.30	7.75	-1.91	12.84	0.40	2.05	0.70									

NO.	COMPONENT=N-S					SIGNAL-RGR.ACC.	CORRECTION=ZERO.ARC		STATIONKUSHIRO=S	
	(2000)	(2050)	(2100)	(2150)	(2200)		(2250)	(2300)	(2350)	(2400)
1	1.70	0.25	4.09	5.05	4.80	5.25	3.81	1.34	1.11	1.86
2	2.90	0.14	3.00	5.05	4.80	5.15	4.00	1.04	1.11	2.26
3	4.09	-0.16	2.59	5.04	4.40	5.15	4.30	1.25	1.10	3.06
4	4.69	-0.16	2.19	4.24	4.09	5.24	4.60	1.65	1.20	4.05
5	5.29	0.64	1.89	3.84	3.79	4.84	4.90	1.35	1.30	4.35
6	5.99	1.43	1.58	3.44	3.39	4.34	5.60	0.76	1.30	4.65
7	6.68	2.43	1.18	3.33	2.89	3.84	6.09	0.04	1.49	5.25
8	6.68	3.13	0.88	3.33	2.88	3.43	6.49	1.04	1.49	5.44
9	6.67	3.93	0.88	3.53	2.88	2.83	6.99	1.04	1.49	5.74
10	6.66	4.42	0.87	3.82	2.98	2.53	7.59	2.14	1.49	6.04
11	5.76	4.42	0.87	3.92	2.87	2.53	8.09	3.03	1.18	6.04
12	4.96	4.42	0.87	3.92	2.97	2.42	8.68	4.23	0.68	6.53
13	4.06	4.71	1.46	3.92	2.97	2.32	9.17	4.63	0.57	6.72
14	3.46	4.71	2.16	3.81	2.66	2.52	9.27	5.32	0.47	6.51
15	2.95	4.71	3.16	3.71	2.46	2.52	9.26	5.42	0.27	5.72
16	2.15	5.11	3.76	3.51	2.26	2.31	9.25	5.31	0.27	5.21
17	1.45	5.80	4.26	3.20	2.15	1.51	8.84	5.31	-0.04	4.41
18	0.65	6.21	4.85	3.10	1.85	0.50	8.03	5.61	-0.04	3.71
19	0.04	7.00	5.25	3.20	1.75	0.30	6.64	6.21	-0.04	3.01
20	-0.16	7.40	5.74	3.20	1.75	0.30	5.94	6.40	-0.15	1.80
21	-0.46	7.79	5.74	3.29	1.74	0.30	4.65	6.60	0.25	1.40
22	-0.97	8.09	5.73	3.49	2.14	0.29	4.64	6.50	0.85	1.40
23	-1.37	8.48	4.53	3.79	2.84	0.29	4.64	6.59	1.35	1.00
24	-0.67	8.38	3.93	3.88	3.64	0.29	4.94	6.89	1.94	1.09
25	0.23	8.47	2.73	3.98	3.93	0.98	4.84	6.89	2.34	0.79
26	1.42	8.38	1.82	4.48	4.33	1.48	4.93	6.98	2.44	0.69
27	2.82	8.57	0.62	4.58	4.73	1.98	4.43	6.98	2.53	0.68
28	3.92	8.66	-0.68	4.87	4.72	1.87	4.12	6.98	2.73	0.68
29	4.32	8.15	-1.08	4.77	5.02	1.97	3.62	6.98	3.23	0.68
30	4.81	7.46	-1.49	4.87	4.71	1.87	3.12	6.97	3.52	0.68
31	5.01	7.16	-1.49	5.06	4.11	1.87	1.52	6.87	2.92	1.07
32	5.30	7.26	-1.49	4.96	3.61	1.96	0.71	6.97	2.62	1.57
33	4.80	7.35	-1.50	5.06	3.21	1.86	-0.19	7.27	1.91	1.87
34	4.09	7.34	-1.10	5.05	2.70	1.96	-0.69	7.86	1.61	1.26
35	3.39	6.84	-0.50	5.05	2.60	2.35	-0.89	7.36	0.81	2.56
36	2.89	6.34	-0.20	5.05	2.40	2.45	-1.20	7.76	0.31	2.56
37	1.69	5.64	0.29	5.05	2.50	2.95	-1.40	8.05	-0.10	2.56
38	0.79	5.13	0.59	5.24	2.19	3.25	-1.80	8.04	-0.50	2.75
39	0.78	4.43	1.09	5.44	2.09	3.44	-2.01	7.44	-0.50	2.65
40	0.08	3.43	1.28	5.64	1.89	3.84	-2.31	6.73	-0.51	2.65
41	-0.32	3.43	1.58	5.93	1.48	4.24	-2.71	6.03	-0.51	2.74
42	-0.53	3.23	1.88	5.93	1.38	4.23	-2.72	5.23	-0.51	2.94
43	-0.93	3.12	1.48	6.03	1.38	4.23	-2.62	4.43	-0.51	3.24
44	-1.03	3.52	1.87	6.02	1.28	4.13	-2.42	3.63	-0.32	3.43
45	-0.43	3.92	2.47	6.02	1.77	4.12	-2.52	2.83	-0.42	3.53
46	0.16	4.52	2.87	5.71	2.57	3.82	-1.93	2.22	-0.12	3.43
47	0.46	5.01	3.47	4.91	3.37	3.92	-1.83	1.62	0.27	3.42
48	0.56	4.91	4.06	4.91	3.97	3.82	-1.63	1.12	0.37	3.02
49	0.65	5.10	4.66	4.71	4.56	3.81	-1.44	1.02	0.77	2.82
50	0.65	4.60	5.05	4.81	4.96	3.71	-1.34	1.11	1.16	2.92

RECORDS-674	COMPONENT=N-S	SIGNAL=GR.ACC.	CORRECTION=ZERO.ARC	STATION=KUSHIRO-S						
DATE AND TIME=1972-05-11-09-45	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.#301	TOTAL NUMBER OF DATA= 2800							
NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	2.61	-0.64	1.12	2.67	-0.88	1.97	0.	0.	0.	0.
2	3.01	0.06	0.71	3.07	-1.18	1.87	0.	0.	0.	0.
3	3.21	0.36	0.71	3.46	-1.39	1.87	0.	0.	0.	0.
4	3.20	0.66	0.71	3.66	-1.39	1.76	0.	0.	0.	0.
5	3.20	0.75	0.70	4.56	-0.99	1.76	0.	0.	0.	0.
6	3.40	1.25	0.60	4.45	-0.99	1.76	0.	0.	0.	0.
7	3.50	1.55	0.80	4.45	-0.60	1.55	0.	0.	0.	0.
8	3.59	1.54	1.10	3.64	-0.30	1.45	0.	0.	0.	0.
9	3.89	1.54	1.09	2.84	-0.00	1.05	0.	0.	0.	0.
10	3.89	1.64	1.09	1.94	0.49	1.15	0.	0.	0.	0.
11	3.88	2.14	1.09	1.84	1.09	1.14	0.	0.	0.	0.
12	3.88	2.23	1.08	0.24	1.49	1.74	0.	0.	0.	0.
13	3.28	2.43	1.08	-0.07	1.98	2.34	0.	0.	0.	0.
14	2.97	2.53	1.28	-0.27	1.88	3.13	0.	0.	0.	0.
15	2.77	2.52	1.48	-0.27	1.98	3.43	0.	0.	0.	0.
16	2.47	2.52	1.87	0.32	1.98	3.43	0.	0.	0.	0.
17	2.17	2.52	2.17	0.82	2.07	3.42	0.	0.	0.	0.
18	2.06	1.51	2.27	1.22	1.47	3.42	0.	0.	0.	0.
19	2.56	1.11	2.26	1.42	1.27	3.22	0.	0.	0.	0.
20	2.96	0.71	2.36	1.71	0.96	3.11	0.	0.	0.	0.
21	3.46	0.31	2.36	2.01	1.06	3.11	0.	0.	0.	0.
22	4.15	-0.00	1.63	2.41	0.96	2.71	0.	0.	0.	0.
23	4.65	-0.00	1.35	2.60	0.75	2.51	0.	0.	0.	0.
24	5.15	0.60	1.25	2.80	0.75	2.30	0.	0.	0.	0.
25	5.54	0.99	1.25	2.90	1.15	2.30	0.	0.	0.	0.
26	5.84	1.19	1.74	2.79	1.45	1.90	0.	0.	0.	0.
27	6.14	1.59	2.14	2.79	1.64	1.89	0.	0.	0.	0.
28	6.73	1.69	2.34	2.19	1.84	1.49	0.	0.	0.	0.
29	6.72	2.08	2.43	1.58	2.24	0.99	0.	0.	0.	0.
30	6.02	2.58	2.43	1.18	2.33	0.49	0.	0.	0.	0.
31	5.02	2.58	2.13	0.98	2.33	-0.32	0.	0.	0.	0.
32	4.42	2.67	2.23	0.78	3.23	-0.92	0.	0.	0.	0.
33	3.51	2.67	2.42	0.47	3.23	-1.32	0.	0.	0.	0.
34	2.61	2.67	2.62	0.47	3.22	-1.33	0.	0.	0.	0.
35	1.81	2.36	2.92	0.17	3.22	-1.43	0.	0.	0.	0.
36	1.11	2.16	3.11	0.06	3.82	-1.93	0.	0.	0.	0.
37	0.31	1.86	3.11	0.06	3.51	-1.63	0.	0.	0.	0.
38	-0.10	1.86	3.11	0.36	3.51	-1.24	0.	0.	0.	0.
39	-0.20	2.55	3.10	0.76	3.41	-0.64	0.	0.	0.	0.
40	-0.70	3.15	3.20	0.85	3.50	-0.44	0.	0.	0.	0.
41	-0.81	3.35	3.60	0.65	3.50	-0.15	0.	0.	0.	0.
42	-1.41	3.24	3.70	0.45	3.60	0.15	0.	0.	0.	0.
43	-1.71	3.44	3.69	0.34	3.80	0.25	0.	0.	0.	0.
44	-2.01	3.44	3.79	0.14	3.79	0.44	0.	0.	0.	0.
45	-2.22	3.13	3.68	0.04	3.79	0.54	0.	0.	0.	0.
46	-2.12	2.73	3.28	-0.27	3.19	0.44	0.	0.	0.	0.
47	-2.02	2.23	2.88	-0.27	2.78	0.44	0.	0.	0.	0.
48	-2.13	1.83	2.18	-0.17	2.08	0.53	0.	0.	0.	0.
49	-1.63	1.52	2.07	-0.27	1.98	0.33	0.	0.	0.	0.
50	-0.93	1.32	2.07	-0.68	1.87	0.33	0.	0.	0.	0.

RECORD=S-674 COMPONENT=H SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=KUSHIRO-S
 DATE AND TIME=1972-05-11-09-45 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 2800

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.	-1.20	2.80	5.30	-0.20	3.50	-0.20	1.10	2.50	1.20
2	0.	0.	3.70	6.00	0.30	3.50	0.	2.00	3.70	0.80
3	0.90	0.90	3.90	6.20	0.70	3.10	0.	2.40	4.60	1.00
4	0.90	1.70	3.80	5.90	1.00	3.00	-0.30	2.40	5.20	1.60
5	0.80	2.50	3.50	5.50	0.40	2.70	-0.60	1.90	5.10	2.10
6	0.40	2.90	3.10	5.10	0.	2.70	-0.80	1.40	5.00	1.70
7	0.40	3.50	2.40	4.60	-0.70	2.30	-0.40	1.00	4.60	0.90
8	0.70	3.70	1.50	4.00	-0.50	2.00	0.	0.70	4.00	0.20
9	1.00	3.50	0.10	3.90	-0.20	2.50	0.70	0.30	3.10	-0.50
10	0.60	3.20	-0.70	3.40	0.10	2.60	1.00	0.120	2.30	-1.10
11	0.20	3.10	-1.20	3.00	0.70	2.50	1.50	0.	1.30	-1.70
12	0.20	3.00	-1.20	2.70	1.10	1.90	1.70	0.30	0.40	-1.70
13	0.	2.80	-0.40	2.10	1.50	1.50	1.70	0.	-0.30	-1.50
14	0.10	2.70	0.	1.40	1.50	0.30	1.70	0.	-1.00	-1.00
15	0.30	3.00	0.50	0.40	1.00	-0.80	-0.20	0.30	-1.00	-0.60
16	0.60	3.40	1.20	-0.70	0.70	-1.40	-0.80	0.20	-0.70	-0.30
17	0.70	3.20	1.20	-1.80	0.70	-2.00	-1.20	0.20	-0.60	-0.80
18	0.90	2.80	1.20	-1.80	-0.20	-2.20	-1.10	1.00	-0.40	-0.30
19	0.90	2.30	1.10	-2.00	-0.80	-2.40	-1.00	1.90	-0.80	-0.20
20	0.60	1.30	0.90	-2.00	-0.80	-2.60	-0.60	2.00	-0.70	0.40
21	0.50	0.10	0.90	-2.00	-0.50	-2.50	-0.20	1.60	-1.00	0.40
22	0.30	-0.90	0.70	-2.00	-0.20	-2.40	0.	1.20	-1.20	0.
23	0.30	-1.00	0.50	-1.90	0.50	-2.10	0.70	0.80	-0.70	0.30
24	0.90	-1.00	0.30	-1.70	0.70	-2.10	1.00	0.60	-0.60	-1.00
25	1.30	-0.60	0.10	-1.40	0.90	-1.70	0.90	0.40	-1.00	-0.60
26	1.60	-0.20	0.	-1.10	0.70	-1.40	0.90	0.20	-0.20	0.
27	1.70	0.	-0.50	-0.60	0.90	-1.40	0.90	0.40	-0.20	0.
28	1.60	0.70	-1.00	-0.20	0.80	-1.20	0.50	0.60	-0.60	-0.90
29	1.10	0.50	-1.80	0.30	0.60	-0.70	0.40	2.00	-1.50	0.30
30	0.90	0.30	-1.70	0.90	0.60	0.20	0.20	2.70	-1.60	0.60
31	1.30	-0.90	-2.10	1.20	0.40	0.60	0.20	2.70	-1.80	0.90
32	1.70	-1.90	-2.10	1.40	0.10	1.30	0.20	2.00	-2.10	1.10
33	1.70	-2.60	-2.10	1.40	-0.60	2.20	0.10	1.60	-2.40	1.40
34	1.60	-3.10	-1.80	1.40	-1.10	2.10	0.	0.60	-2.00	1.60
35	1.30	-3.40	-1.40	0.60	-1.70	2.00	0.30	0.10	-1.50	1.60
36	0.70	-3.30	-1.20	0.20	-2.00	1.70	0.80	0.140	-0.80	1.60
37	0.10	-3.10	-0.90	0.	-2.20	1.50	1.10	0.	-0.40	1.50
38	-0.90	-2.70	-0.50	0.	-2.00	1.00	1.50	1.00	0.	1.00
39	-1.40	-1.80	-0.40	0.	-2.00	1.00	1.60	1.10	0.70	0.80
40	-2.00	-1.00	-0.30	0.	-1.70	1.00	2.00	1.10	1.30	0.50
41	-2.50	-0.40	-0.10	-0.40	1.20	1.50	1.70	1.00	1.30	0.30
42	-2.70	0.	0.10	-0.40	2.10	2.00	1.50	1.10	1.30	0.20
43	-2.40	0.60	0.60	-0.40	3.20	2.00	1.10	1.00	0.90	0.50
44	-2.10	1.00	0.90	-0.10	3.50	2.00	0.50	0.50	0.50	0.20
45	-1.50	1.00	1.10	-0.50	3.20	1.60	0.70	0.30	0.30	0.60
46	-1.30	1.10	1.30	0.90	3.10	0.90	1.00	0.60	0.70	0.70
47	-1.70	1.20	1.00	-2.00	3.00	0.50	1.30	0.90	0.90	1.00
48	-2.00	1.00	0.60	-2.40	3.00	-0.10	1.00	1.00	1.10	1.60
49	-2.10	1.30	0.60	-1.90	3.00	-0.20	0.60	0.20	1.10	2.00
50	-2.10	2.10	3.90	-0.90	3.40	-0.40	-0.40	1.00	1.60	1.60

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	1.60	1.10	15.21	0.30	60.90	2.78	1.20	-0.60	-8.25	-15.48
2	1.00	2.50	15.54	-1.80	64.99	-6.27	0.50	3.72	-11.71	-18.96
3	0.10	4.06	16.25	-3.11	66.29	-15.06	0.30	9.25	-15.66	-21.06
4	-0.90	5.10	17.15	-5.83	65.94	-22.72	0.30	12.01	-18.64	-22.79
5	-2.00	5.90	17.98	-9.66	65.26	-29.59	0.10	15.47	-20.59	-24.36
6	-2.80	6.09	19.05	-12.90	64.06	-35.40	1.00	16.66	-22.62	-24.70
7	-3.00	5.40	19.64	-15.64	62.56	-38.43	2.00	15.99	-23.68	-25.87
8	-2.40	4.59	19.76	-18.45	61.89	-38.37	4.41	13.94	-24.29	-22.69
9	-2.10	3.20	19.21	-22.18	60.10	-36.91	5.83	12.39	-23.95	-20.69
10	-1.80	1.50	18.03	-26.82	57.03	-32.63	10.44	9.15	-21.87	-17.46
11	-1.30	-0.30	15.61	-30.27	52.22	-27.48	16.51	6.58	-18.74	-15.36
12	-0.90	-1.80	11.98	-33.21	44.90	-24.53	20.22	4.09	-15.37	-12.52
13	-0.50	-3.40	4.94	-35.69	34.92	-22.54	24.01	2.50	-10.98	-10.31
14	-0.40	-4.50	-6.23	-37.12	24.94	-21.20	27.41	1.40	-6.48	-2.10
15	-0.30	-4.60	-10.51	-36.77	15.05	-21.13	30.79	0.10	-3.97	3.01
16	-0.70	-4.10	-15.01	-33.80	4.47	-20.33	34.17	0.10	3.44	6.96
17	-0.90	-3.00	-17.82	-27.90	-2.00	-18.46	36.20	-1.30	7.83	13.29
18	-1.00	-2.00	-19.16	-18.59	-6.75	-16.49	36.23	-1.60	10.14	23.29
19	-1.10	-0.70	-21.17	-2.09	-12.06	-12.91	35.49	-1.60	11.78	25.63
20	-1.00	0.20	-21.70	10.54	-17.15	-7.74	32.86	-1.30	11.09	26.30
21	-0.70	0.98	-20.64	20.87	-20.93	-3.39	30.47	-0.30	10.69	25.42
22	-0.30	1.30	-18.77	29.02	-22.47	2.51	28.27	-0.40	10.42	23.41
23	0.	1.40	-15.85	32.76	-25.01	6.32	23.42	-0.40	11.34	20.90
24	0.10	1.60	-13.07	34.40	-27.34	8.10	21.38	-1.30	12.80	17.84
25	0.30	1.70	-9.62	34.22	-29.68	8.19	18.01	-3.21	15.67	15.45
26	0.30	1.80	-5.77	31.99	-32.97	7.70	16.76	-8.05	18.94	12.46
27	0.20	1.60	-2.10	28.34	-36.29	7.70	15.95	-11.49	21.99	8.46
28	0.	1.40	1.40	23.76	-39.43	7.50	13.24	-14.90	23.79	5.77
29	0.	2.00	3.90	16.71	-42.47	7.49	11.75	-19.34	25.32	1.80
30	-0.20	2.30	5.30	11.99	-43.26	6.38	10.14	-23.56	26.04	-1.10
31	-0.50	3.20	5.59	5.37	-41.12	4.09	7.57	-26.67	25.56	-3.71
32	-0.80	3.80	4.79	0.	-36.11	1.40	4.98	-28.95	24.41	-6.21
33	-0.80	3.90	2.60	-4.92	-28.56	-2.30	1.50	-25.32	22.03	-7.74
34	-0.30	3.90	0.60	-9.71	-21.05	-5.03	-3.01	-22.12	18.56	-10.67
35	0.30	3.60	-2.41	-15.43	-13.62	-9.77	-6.63	-15.14	15.42	-13.49
36	1.30	3.40	-7.14	-22.74	-0.40	-13.34	-10.16	-8.22	13.85	-15.77
37	2.50	3.10	-11.21	-33.19	-0.40	-13.37	-12.86	-2.50	12.81	-17.04
38	3.40	3.10	-15.44	-38.25	2.71	-13.72	-14.59	1.10	13.14	-17.67
39	3.80	3.70	-18.18	-38.58	9.36	-11.76	-16.55	2.50	14.36	-18.67
40	3.60	4.40	-20.65	-37.59	17.71	-10.28	-17.36	3.20	15.67	-19.50
41	3.10	5.61	-22.20	-35.38	22.97	-5.18	-18.26	3.70	17.06	-19.44
42	2.40	7.12	-22.09	-31.62	19.57	-1.80	-19.00	2.80	18.51	-18.59
43	1.10	9.35	-20.67	-27.13	26.15	2.70	-18.83	2.50	18.45	-17.10
44	-0.40	10.95	-16.11	-21.32	27.70	5.62	-16.73	2.50	17.71	-15.45
45	-1.50	12.75	-11.04	-10.38	28.03	8.30	-15.52	3.00	16.18	-12.61
46	-2.40	14.03	-5.08	2.68	26.88	8.18	-13.95	3.10	12.22	-9.93
47	-2.90	14.73	-1.00	16.44	24.61	6.89	-12.74	2.80	6.61	-6.78
48	-2.40	15.28	2.20	31.87	22.35	5.58	-11.14	0.60	2.91	-2.91
49	-1.60	14.80	3.30	43.94	17.42	3.10	-8.83	-1.60	-7.56	-4.00
50	-0.40	14.91	2.70	54.04	11.63	1.90	-4.48	-4.22	-12.10	-4.50

REQ:RD=S-674
 DATE AND TIME=1975-05-11-09-45
 COMPONENT=E-W
 SIGNAL=GR.ACC.
 CORRECTION=ZERO.ARC
 TOTAL NUMBER OF DATA= 2800

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-5.21	0.70	10.85	-16.27	0.90	-10.98	-3.40	2.90	2.50	-3.80
2	-6.21	1.70	8.85	-15.76	-1.40	-10.15	-3.30	2.40	3.70	-3.10
3	-7.20	1.70	6.07	-14.93	-3.90	-7.75	-3.40	1.20	4.40	-2.40
4	-7.39	1.30	2.40	-13.42	-4.91	-4.09	-3.50	0.60	5.11	-0.40
5	-6.78	0.50	-0.70	-11.36	-6.21	-1.00	-0.90	-0.10	6.11	0.10
6	-4.49	0.20	-5.81	-10.08	-7.92	1.00	-4.40	-1.40	7.81	1.10
7	-1.10	-2.20	-9.21	-9.20	-9.42	2.90	-4.70	-1.40	8.70	2.00
8	3.11	-6.03	-8.42	-9.20	-10.61	4.41	-5.00	-2.00	8.80	2.60
9	7.44	-10.40	-9.40	-9.41	-11.21	6.11	-5.20	-2.10	8.49	3.10
10	10.55	-14.68	-9.61	-9.71	-11.71	7.31	-5.60	-1.40	7.68	3.30
11	12.51	-18.60	-10.11	-10.41	-12.11	8.22	-5.90	-0.20	6.18	3.30
12	12.88	-22.57	-10.41	-11.01	-12.40	9.33	-5.90	0.70	3.70	2.70
13	12.20	-24.95	-11.02	-11.39	-12.51	11.12	-5.80	1.70	2.00	1.90
14	9.03	-25.72	-11.83	-10.88	-12.82	12.00	-5.60	2.70	0.60	0.20
15	5.18	-24.16	-12.70	-9.96	-13.42	11.88	-5.20	3.70	-2.10	-1.10
16	1.60	-20.70	-12.67	-8.27	-14.02	11.38	-4.80	4.90	-5.01	-1.90
17	-1.00	-16.32	-11.76	-6.49	-14.40	10.77	-4.10	5.81	-7.53	-2.40
18	-2.40	-9.90	-10.36	-4.99	-14.48	9.49	-4.00	6.50	-9.62	-3.00
19	-2.00	-5.08	-8.56	-3.40	-13.93	8.89	-3.40	6.90	-10.40	-3.00
20	-0.80	-1.70	-6.17	-2.20	-12.34	8.19	-2.80	6.90	-10.39	-2.90
21	1.60	1.60	-2.40	-1.60	-10.34	7.59	-2.70	6.49	-9.96	-2.50
22	4.11	4.92	0.	-0.90	-7.77	6.99	-2.50	5.80	-8.18	-2.10
23	8.24	8.24	2.10	-0.10	-5.18	6.40	-2.40	5.19	-6.59	-1.60
24	9.31	11.26	4.72	0.60	-2.00	6.10	-2.30	4.20	-4.99	-0.80
25	9.89	13.36	7.95	1.20	0.60	5.60	-2.30	3.40	-3.80	-0.80
26	9.28	14.96	11.34	1.90	3.41	5.20	-1.80	2.70	-2.50	2.30
27	8.08	16.25	12.85	2.10	6.32	4.69	-1.30	2.40	-1.50	3.40
28	6.99	17.00	14.37	2.00	8.73	3.30	-0.70	2.40	-0.40	6.01
29	6.10	16.90	15.97	2.70	10.44	1.70	-0.30	2.40	0.	7.82
30	5.90	15.34	17.19	3.70	12.35	0.20	-0.20	2.50	0.	9.01
31	6.30	14.24	18.57	5.11	13.86	-2.70	-0.40	2.70	-0.20	9.41
32	6.80	12.73	19.50	7.12	15.23	-4.40	-0.60	2.90	-1.00	9.70
33	6.80	10.84	19.46	9.21	15.91	-5.51	-0.30	3.10	-1.80	9.49
34	6.39	8.58	18.93	9.52	16.06	-7.22	-0.10	3.00	-3.71	9.19
35	5.79	7.09	17.96	10.62	15.33	-9.13	0.20	3.00	-5.61	8.79
36	4.89	5.90	15.95	11.82	13.91	-10.71	0.60	2.90	-7.62	8.09
37	3.10	5.70	13.32	12.02	11.80	-11.80	1.10	2.50	-9.12	7.09
38	0.70	5.40	11.10	12.72	9.46	-11.38	2.00	2.00	-10.42	6.30
39	-1.20	6.11	7.35	13.41	6.08	-10.74	2.70	1.50	-11.32	5.80
40	-3.71	7.01	3.49	13.71	4.19	-8.26	3.90	0.50	-11.88	5.10
41	-5.81	7.81	0.90	14.03	2.80	-5.29	4.70	0.	-11.28	5.10
42	-7.72	8.83	-2.91	14.62	2.10	-3.50	4.80	-0.90	-10.38	4.30
43	-9.61	10.71	-6.02	15.13	1.40	-2.90	4.70	-1.50	-9.58	3.90
44	-10.20	11.23	-9.24	15.81	0.60	-2.30	4.30	-2.10	-8.68	3.30
45	-9.97	12.32	-11.45	15.87	-0.90	-2.30	4.30	-2.60	-7.69	3.10
46	-8.66	12.91	-13.27	15.27	-2.91	-2.40	4.00	-3.00	-6.59	3.10
47	-6.89	13.10	-15.05	15.21	-5.81	-2.80	3.90	-3.80	-5.79	3.70
48	-4.89	13.09	-16.13	10.72	-7.73	-3.20	3.70	-2.30	-5.10	4.91
49	-3.00	12.68	-16.60	7.56	-10.12	-3.50	3.70	0.	-4.50	6.21
50	-0.80	12.06	-16.58	4.39	-11.00	-3.50	3.40	1.30	-4.00	7.41

RECORDS-674
DATE AND TIME=1972-05-11-09-45
COMPONENT=RE-W
SIGNAL=GR,ACC.
CORRECTION=ZERO,ARC
TOTAL NUMBER OF DATA= 2800

NO.	COMPONENT=E-W					SIGNAL=GR.ACC.					CORRECTION=ZERO,ARC					STATION=KUSHIRO-S				
	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	8.20	0.	5.10	-4.10	-4.21	-1.50	-6.19	5.40	0.70	-3.20										
2	8.19	0.	4.40	-4.00	-6.11	-1.20	-5.40	2.00	0.30	-3.30										
3	7.79	-0.20	3.90	-3.40	-7.51	0.50	-5.49	0.40	-1.40	-3.20										
4	7.19	-0.40	2.80	-2.60	-8.62	0.	-3.40	2.10	-3.00	-3.30										
5	6.40	-0.70	2.10	-1.70	-9.82	0.80	-2.80	3.50	-3.50	-3.20										
6	5.89	-1.00	1.40	0.	-11.02	1.20	-1.60	5.21	-3.50	-2.70										
7	5.09	-1.10	0.30	1.00	-11.70	1.90	-0.50	6.81	-3.50	-2.40										
8	2.90	-1.50	-1.40	2.40	-11.79	2.20	-0.20	7.70	-2.60	-2.30										
9	1.40	-1.70	-3.10	4.00	-11.38	2.40	0.10	7.60	-2.00	-1.70										
10	0.20	-2.00	-4.41	5.31	-10.79	2.40	0.90	7.70	-0.90	-1.10										
11	-0.70	-2.10	-5.81	6.41	-10.28	2.10	1.10	7.57	-0.20	-0.50										
12	-1.70	-2.30	-6.70	7.20	-9.58	2.10	1.70	5.09	0.	0.20										
13	-2.50	-3.10	-7.21	7.40	-8.39	2.20	1.70	3.10	1.00	1.40										
14	-3.10	-3.60	-8.00	7.40	-7.39	2.60	1.70	1.60	1.60	2.30										
15	-3.50	-4.10	-8.20	7.40	-6.89	3.00	1.10	0.70	2.20	2.30										
16	-4.00	-4.30	-7.89	7.09	-5.99	3.40	0.10	0.70	2.20	2.30										
17	-4.50	-4.10	-7.50	6.29	-4.99	4.10	-0.40	5.11	1.90	2.70										
18	-4.50	-3.70	-7.20	5.00	-3.80	5.00	-0.90	6.10	1.40	2.90										
19	-4.40	-3.10	-6.90	5.09	-2.50	5.80	-0.90	6.20	0.40	3.60										
20	-4.10	-2.50	-6.50	4.10	-1.30	6.30	-0.90	6.20	0.	3.60										
21	-3.80	-1.80	-6.20	3.60	-0.20	6.40	-0.90	6.20	-0.80	3.60										
22	-3.50	-0.80	-6.00	3.00	0.50	5.99	-0.90	6.20	-1.70	3.70										
23	-3.10	0.50	-5.80	2.60	1.00	5.09	0.	5.79	-2.10	3.50										
24	-2.70	2.00	-5.80	2.00	1.60	3.90	0.70	5.09	-2.60	3.50										
25	-2.50	3.70	-6.10	2.00	2.10	2.80	1.20	4.10	-3.00	2.70										
26	-2.00	4.41	-5.50	2.00	2.60	2.00	1.20	3.40	-2.40	2.70										
27	-2.10	7.13	-5.50	2.60	2.70	1.10	1.20	2.70	-1.40	1.90										
28	-2.20	9.63	-5.20	3.40	2.60	0.10	1.70	2.40	-1.00	1.60										
29	-2.80	11.23	-5.00	4.31	2.30	-0.40	1.60	2.40	-0.40	1.60										
30	-3.50	12.32	-4.60	5.61	2.10	0.90	1.60	0.40	-0.20	1.40										
31	-4.10	13.00	-4.40	6.81	2.00	-1.10	1.60	0.40	-0.30	1.40										
32	-4.80	12.99	-4.20	7.81	1.90	-1.00	1.60	0.40	-0.20	1.40										
33	-5.60	12.58	-4.20	8.50	1.60	-0.60	1.60	0.90	-0.20	1.10										
34	-6.21	11.85	-4.40	8.80	1.00	-0.30	1.70	1.20	-0.60	1.10										
35	-6.90	10.27	-4.80	8.89	0.50	0.60	1.70	1.20	-1.10	0.80										
36	-6.90	8.88	-5.10	8.60	0.	-1.00	1.70	1.20	-2.10	0.60										
37	-6.60	7.69	-5.50	8.29	-1.00	-1.10	1.00	2.40	-2.40	0.60										
38	-6.20	6.99	-5.60	7.29	-2.00	-1.00	0.40	3.40	-2.40	0.60										
39	-6.00	6.30	-5.20	7.29	-2.40	-1.00	-0.10	3.40	-2.40	0.60										
40	-6.10	5.80	-5.00	6.08	-3.00	-1.00	-1.00	3.70	-2.40	0.20										
41	-6.50	5.40	-4.70	4.10	-3.10	-1.00	-1.00	4.40	-2.60	0.20										
42	-6.80	5.60	-4.40	3.00	-3.10	-1.60	-1.00	4.40	-2.60	0.20										
43	-6.80	5.60	-4.50	1.70	-2.90	-1.60	-1.60	4.40	-2.80	0.10										
44	-6.59	5.70	-4.80	0.60	-2.60	-2.20	-2.50	4.30	-2.80	0.10										
45	-5.69	5.90	-4.90	0.20	-2.40	-3.30	-3.40	4.30	-3.20	0.50										
46	-4.90	6.20	-4.60	0.10	-2.40	-4.30	-4.00	4.20	-3.20	0.50										
47	-4.00	6.20	-4.40	-0.10	-2.60	-5.11	-4.60	4.30	-3.20	0.50										
48	-2.60	6.20	-4.20	-0.60	-2.60	-6.00	-5.40	4.30	-3.20	0.50										
49	-1.20	6.10	-4.20	-1.10	-2.40	-6.50	-5.80	3.20	-3.20	0.10										
50	-0.20	5.60	-4.40	-2.60	-2.00	-6.60	-5.78	1.70	-3.20	-1.00										

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-0.30	3.70	-3.40	1.30	-4.20	0.	-1.40	0.70	0.20	-2.00
2	-0.80	3.70	-3.60	1.30	-4.20	0.	-1.90	0.70	-0.20	-2.50
3	-0.40	3.30	-4.00	1.00	-4.20	-0.60	-1.90	0.70	-0.70	-2.50
4	-0.40	2.70	-4.10	0.10	-4.20	-1.00	-2.60	1.00	-1.00	-2.50
5	0.	2.50	-4.00	0.	-4.20	-1.20	-3.10	0.40	-1.70	-2.50
6	0.	2.10	-4.00	-0.30	-3.60	-1.20	-3.10	0.	-1.70	-1.90
7	0.	2.00	-4.00	-0.40	-3.00	-0.80	-3.10	1.30	-1.70	-1.30
8	0.	2.10	-4.40	-0.50	-2.30	-0.80	-3.10	1.30	-1.70	-1.30
9	-0.60	2.50	-4.50	-0.50	-0.90	-0.80	-2.40	1.90	-2.20	-2.40
10	-0.90	3.00	-5.10	0.80	-0.20	-0.80	-2.40	1.90	-2.20	-2.40
11	-1.00	3.70	-5.70	0.80	0.10	-0.60	-1.10	2.30	-2.20	-2.40
12	-1.60	4.20	-6.00	3.30	1.00	-0.50	0.10	2.30	-2.20	-2.40
13	-2.40	4.60	-6.10	4.71	1.20	-0.50	0.60	2.30	-1.70	-2.40
14	-3.00	5.10	-6.40	5.80	1.10	0.	0.90	2.30	-1.70	-2.40
15	-3.00	5.10	-6.10	6.31	1.10	0.	1.10	2.00	-0.70	-1.50
16	-3.00	5.10	-5.80	6.90	-0.50	0.	1.50	1.90	-0.40	-1.90
17	-3.10	5.20	-5.20	6.80	-1.00	0.60	1.70	1.60	0.	-1.90
18	-3.40	4.60	-4.80	6.90	-1.60	0.70	1.70	1.30	0.20	-2.00
19	-3.50	3.90	-4.50	6.90	-2.10	0.90	1.80	1.30	0.20	-2.10
20	-3.10	3.40	-4.20	6.79	-2.60	1.20	1.50	1.30	0.20	-2.10
21	-2.50	3.00	-4.00	5.90	-3.00	1.20	0.60	1.30	0.20	-2.10
22	-2.10	2.40	-3.60	5.30	-3.00	2.00	0.40	1.30	-0.70	-2.10
23	-1.30	2.00	-3.50	5.00	-3.00	2.50	0.40	1.10	-0.70	-2.10
24	-1.40	1.60	-3.00	4.30	-2.50	2.50	-0.20	0.80	-0.70	-1.30
25	-1.40	1.40	-2.40	4.00	-2.30	2.50	-0.20	0.60	-0.70	-1.50
26	-1.70	1.20	-2.00	3.30	-2.20	2.50	-0.20	0.20	-0.70	-1.50
27	-1.70	0.60	-0.30	2.60	-1.20	2.50	-0.50	0.30	0.80	-0.70
28	-1.70	0.60	0.10	2.10	-1.20	2.50	-1.00	0.80	0.70	-0.70
29	-1.70	0.50	1.00	1.50	1.10	2.00	-1.20	0.90	0.60	-0.70
30	-1.70	0.50	1.00	0.40	2.00	1.70	-1.20	0.80	0.70	-0.70
31	-1.70	0.50	1.00	0.	2.50	1.50	-1.20	0.80	0.70	-0.70
32	-1.70	0.50	1.00	0.	2.50	1.50	-1.20	0.80	0.70	-0.70
33	-1.70	0.50	1.00	-0.80	3.20	1.00	-1.30	0.30	0.80	0.
34	-1.30	1.10	1.00	-1.10	3.70	0.70	-1.30	0.70	1.00	0.70
35	-1.00	1.10	1.00	-1.80	4.30	0.60	-1.20	1.00	1.00	1.00
36	-0.60	1.10	1.60	-1.40	4.70	0.90	-1.60	1.20	1.00	1.00
37	-0.60	1.10	2.40	-1.40	4.70	1.70	-2.00	1.20	1.00	1.00
38	-0.60	1.10	3.60	-1.40	4.80	2.20	-2.30	1.40	1.40	1.60
39	-0.60	1.10	4.71	-1.10	4.70	2.70	-2.30	1.40	1.60	2.30
40	-0.60	0.50	5.80	-1.00	4.00	3.00	-2.50	1.40	1.80	2.30
41	-0.60	0.50	6.10	-1.00	3.10	3.70	-2.50	1.40	1.80	2.60
42	-0.60	0.50	6.10	-1.00	2.40	4.10	-2.50	1.40	1.80	2.60
43	0.	0.50	6.10	-1.00	2.10	4.10	-1.50	1.40	1.80	2.60
44	0.	0.20	5.19	-1.40	1.30	4.10	-0.70	1.40	1.80	2.60
45	0.40	-0.40	4.10	-1.50	0.30	3.20	0.10	0.60	1.40	1.70
46	1.60	-0.60	3.30	-2.10	0.10	2.50	0.60	0.50	0.90	1.70
47	2.10	-1.40	2.50	-2.40	0.10	1.70	0.60	0.50	0.90	1.70
48	2.60	-2.00	1.70	-3.10	0.	1.30	0.60	0.30	0.30	1.70
49	3.00	-2.60	1.40	-3.50	0.	0.80	0.60	0.20	0.20	1.60
50	3.70	-3.10	1.30	-4.10	0.	0.	0.	0.20	-0.90	1.40
						-1.00	-0.10	0.20	-1.20	0.60

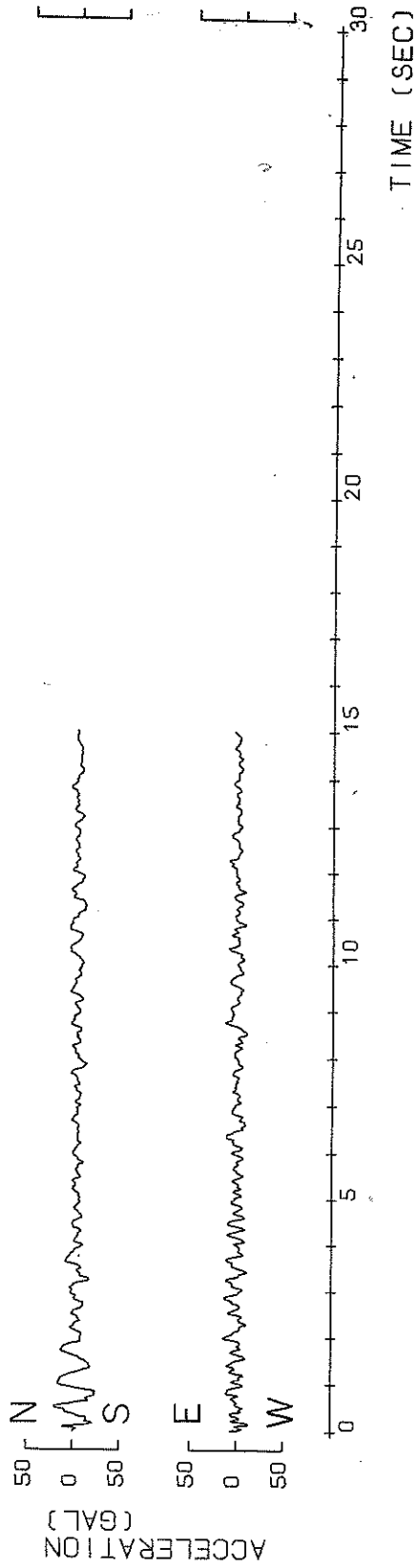
RECORD#S-674
 DATE AND TIME#1972-05-11-09-45
 COMPONENT#E-H
 SIGNAL#GR.ACC.
 SAMPLING INTERVAL# 0.010(SEC)
 CORRECTION#ZERO.ARC
 FORMAT NO.#301
 STATION#KUSHIRO-S
 TOTAL NUMBER OF DATA# 2800

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	0.90	-3.10	0.50	1.00	0.60	-1.20	0.	0.	0.	0.
2	0.90	-3.10	-0.50	1.20	0.40	-1.90	0.	0.	0.	0.
3	0.90	-3.00	-1.50	1.50	0.	-2.10	0.	0.	0.	0.
4	1.20	-2.40	-1.50	1.60	-1.00	-2.10	0.	0.	0.	0.
5	1.60	-2.50	-1.50	1.90	-2.00	-2.10	0.	0.	0.	0.
6	1.70	-2.00	-1.50	1.90	-2.50	-2.10	0.	0.	0.	0.
7	1.70	-1.80	-0.60	2.00	-2.60	-2.00	0.	0.	0.	0.
8	1.70	-1.30	-0.20	1.60	-2.60	-2.00	0.	0.	0.	0.
9	1.70	-1.00	0.10	0.80	-2.40	-1.80	0.	0.	0.	0.
10	1.40	-1.00	0.40	0.90	-2.20	-1.50	0.	0.	0.	0.
11	1.20	-0.90	0.80	0.40	-1.20	-1.00	0.	0.	0.	0.
12	1.20	-0.80	0.80	0.20	-0.50	-0.60	0.	0.	0.	0.
13	1.20	-0.80	1.20	-0.40	-0.20	-0.80	0.	0.	0.	0.
14	1.20	-0.80	1.90	-1.00	-0.40	-1.00	0.	0.	0.	0.
15	1.60	-0.80	2.30	-1.90	-0.40	-1.20	0.	0.	0.	0.
16	2.00	-0.80	2.60	-2.60	-0.70	-1.50	0.	0.	0.	0.
17	2.50	-0.80	3.00	-3.10	-0.90	-2.00	0.	0.	0.	0.
18	2.50	-0.40	3.40	-3.60	-0.40	-2.40	0.	0.	0.	0.
19	2.50	0.	3.70	-3.60	-0.40	-2.70	0.	0.	0.	0.
20	2.40	0.60	3.70	-3.50	-0.20	-3.20	0.	0.	0.	0.
21	1.80	0.60	2.20	-3.20	0.	-3.60	0.	0.	0.	0.
22	1.30	0.70	1.70	-3.10	0.	-3.80	0.	0.	0.	0.
23	0.40	0.90	0.90	-2.90	-0.20	-3.90	0.	0.	0.	0.
24	0.40	0.90	0.60	-2.70	-0.60	-3.60	0.	0.	0.	0.
25	0.20	0.	0.	-2.40	-0.90	-3.10	0.	0.	0.	0.
26	0.20	-0.60	-0.60	-2.10	-1.20	-2.40	0.	0.	0.	0.
27	0.20	-0.80	-1.00	-1.60	-1.80	-1.10	0.	0.	0.	0.
28	0.30	-2.00	-1.20	-1.10	-2.40	0.	0.	0.	0.	0.
29	0.60	-2.40	-1.20	-0.60	-2.80	0.90	0.	0.	0.	0.
30	0.60	-2.40	-1.50	-0.40	-3.40	1.90	0.	0.	0.	0.
31	0.60	-2.50	-1.20	-0.10	-3.60	2.70	0.	0.	0.	0.
32	0.70	-2.50	-1.30	0.	-3.80	3.10	0.	0.	0.	0.
33	0.70	-2.10	-1.50	0.	-3.80	2.80	0.	0.	0.	0.
34	0.30	-2.00	-1.50	0.50	-3.80	2.80	0.	0.	0.	0.
35	0.	-1.70	-1.50	0.90	-3.40	2.70	0.	0.	0.	0.
36	-0.30	-1.40	-1.10	1.00	-3.00	2.20	0.	0.	0.	0.
37	-0.90	-0.50	-0.70	1.10	-2.20	2.00	0.	0.	0.	0.
38	-1.40	0.30	-0.40	1.10	-1.10	1.90	0.	0.	0.	0.
39	-1.80	0.30	-0.20	0.90	-0.20	1.90	0.	0.	0.	0.
40	-2.10	0.70	-0.20	0.60	0.50	1.90	0.	0.	0.	0.
41	-2.10	1.00	0.	0.30	1.20	1.80	0.	0.	0.	0.
42	-2.20	1.00	0.30	0.10	2.10	1.70	0.	0.	0.	0.
43	-2.60	1.10	0.40	0.	2.50	1.60	0.	0.	0.	0.
44	-3.10	1.40	0.40	-0.10	2.60	1.30	0.	0.	0.	0.
45	-3.10	0.80	0.40	0.	2.30	1.10	0.	0.	0.	0.
46	-3.10	-0.40	0.40	0.30	1.10	0.60	0.	0.	0.	0.
47	-3.10	0.20	0.40	0.60	1.70	0.30	0.	0.	0.	0.
48	-3.10	0.10	0.40	1.00	0.80	0.10	0.	0.	0.	0.
49	-3.10	-0.10	0.20	1.00	0.10	0.	0.	0.	0.	0.
50	-3.10	-0.50	0.20	0.90	-0.60	-0.60	0.	0.	0.	0.

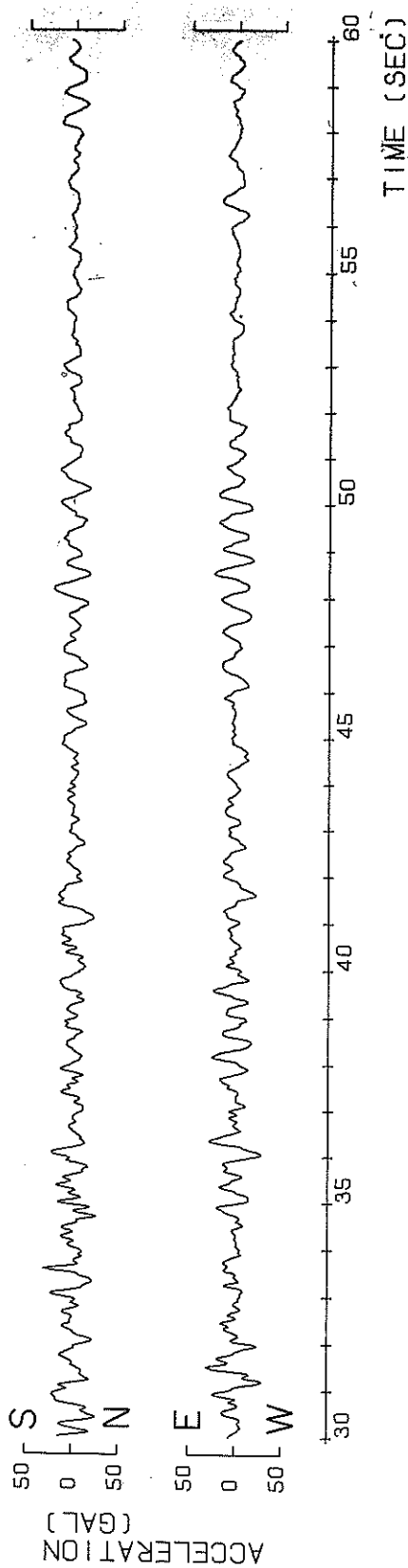
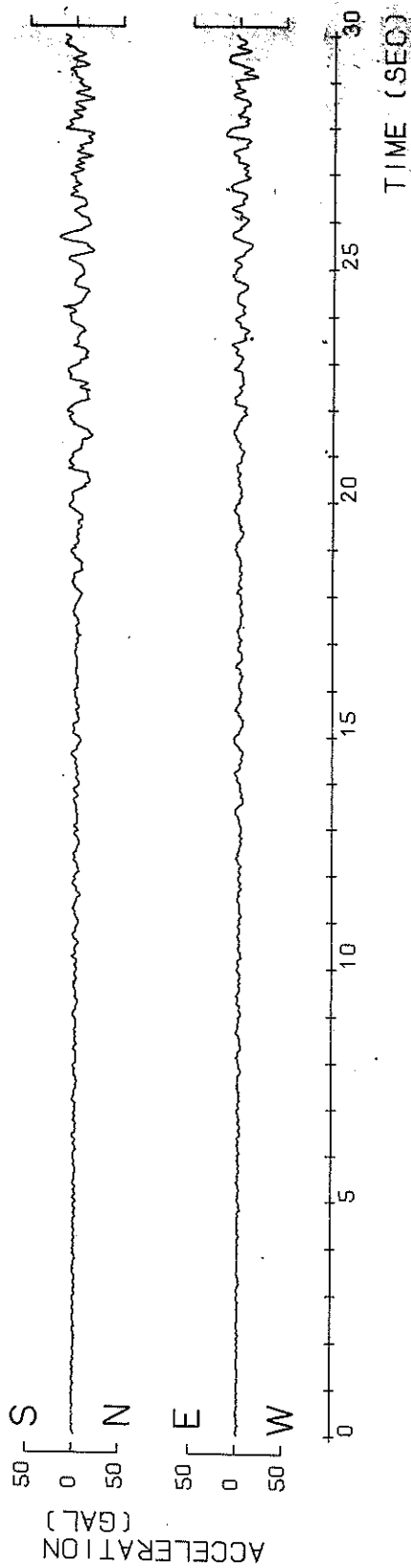
S-656

KOKEN-S

1972-02-29-18-23

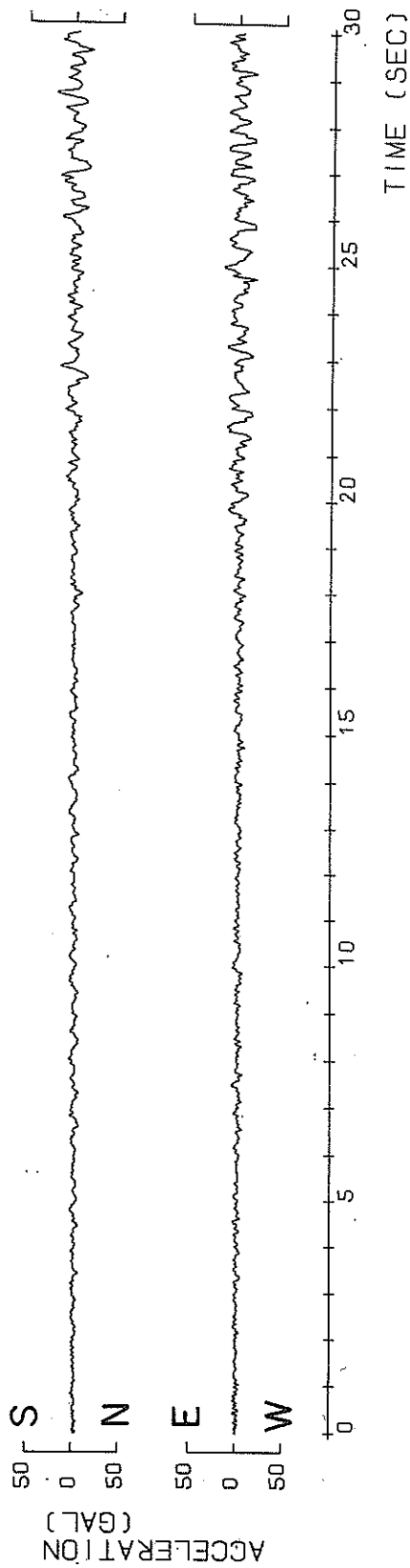


S-657 KEIHIN-JI-S 1972-02-29-18+23

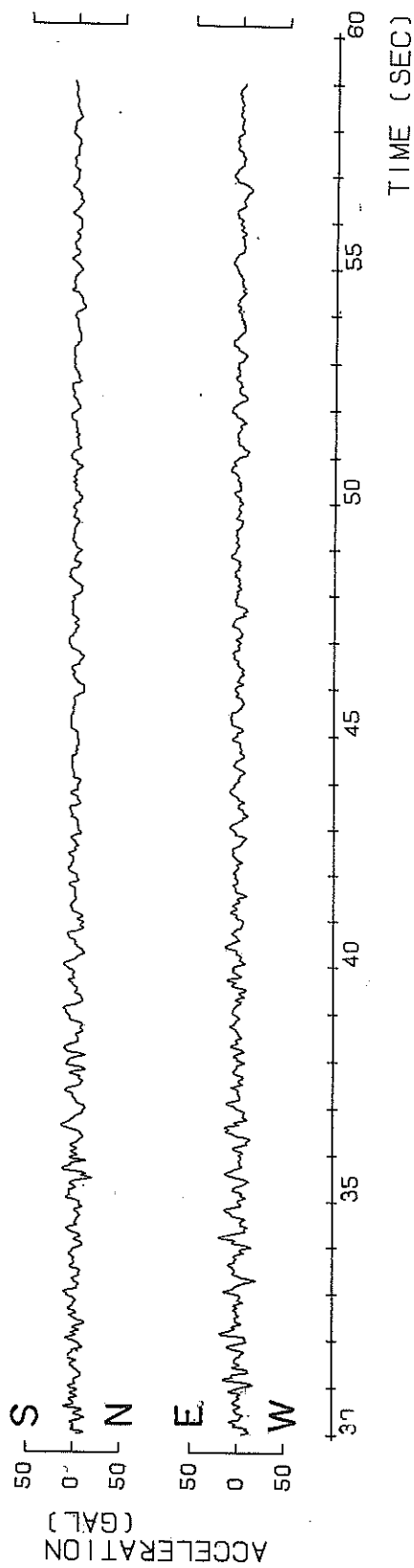


S-661 CHIBA-S

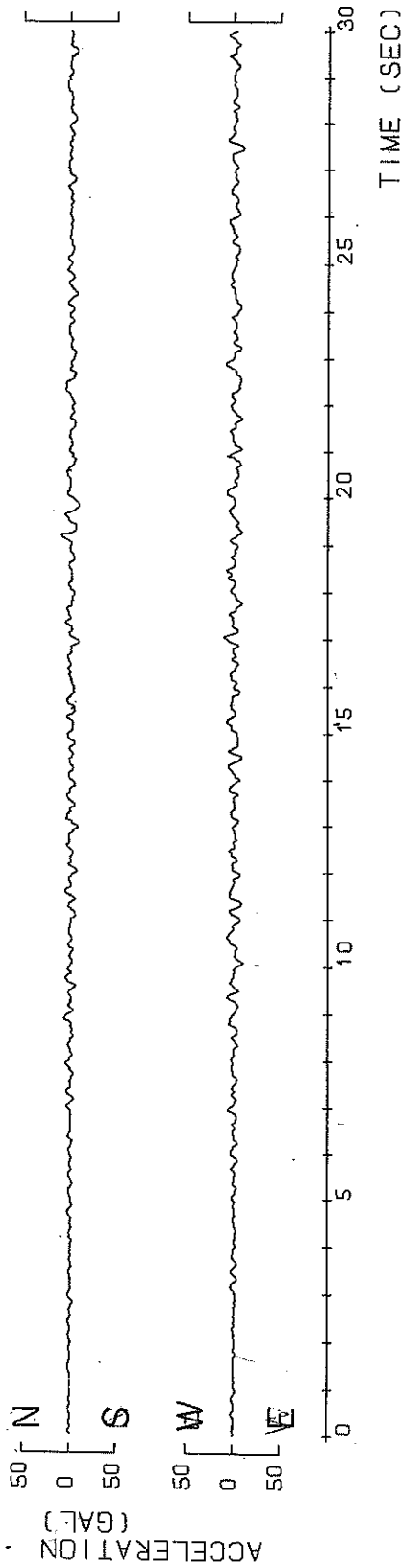
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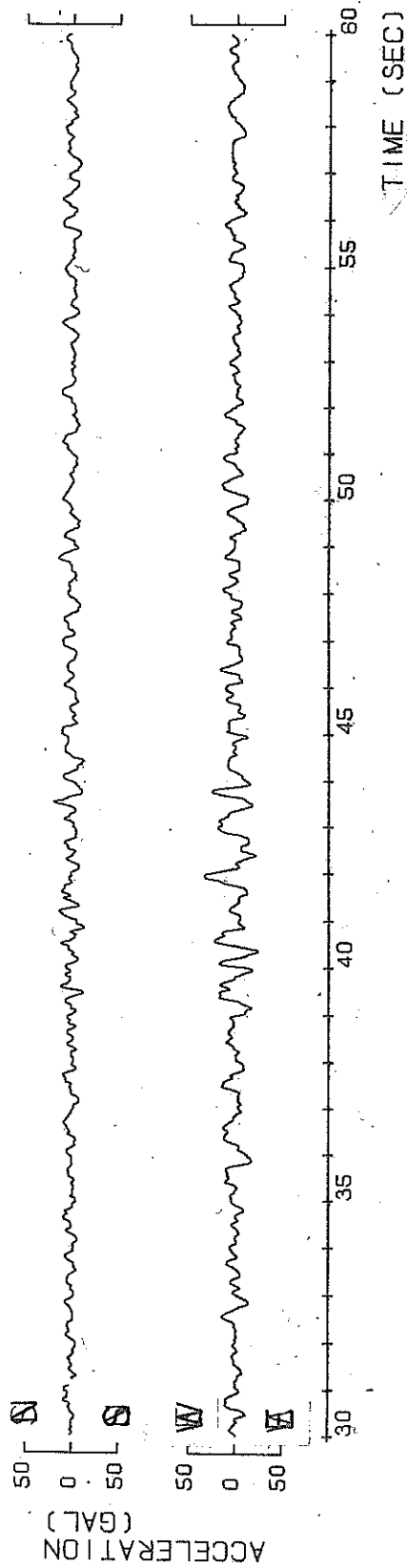
- 171 -



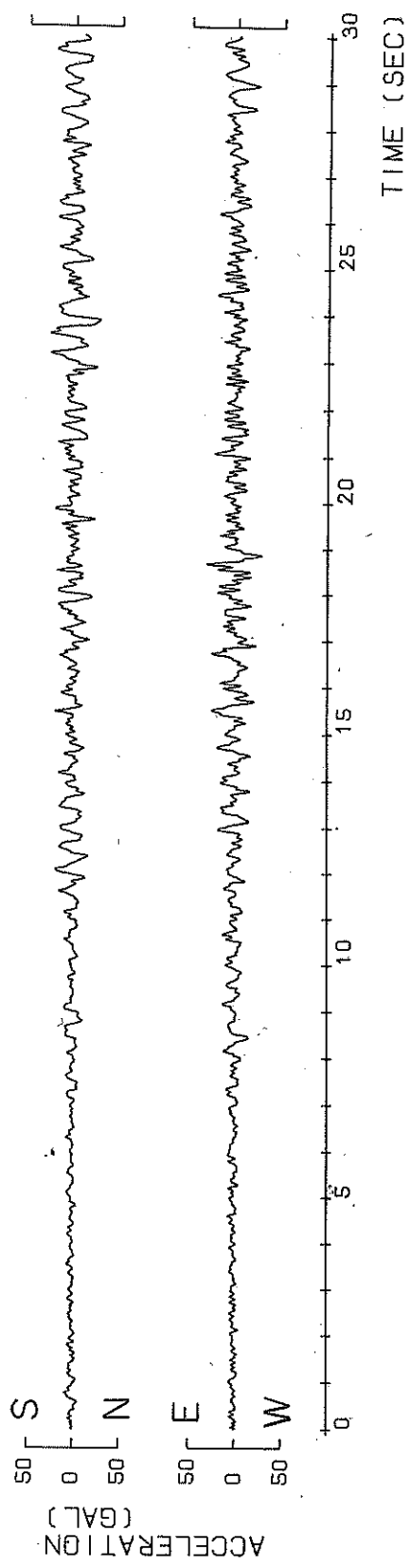
S-662 TAGONOURA-S 1972-02-29-18-23



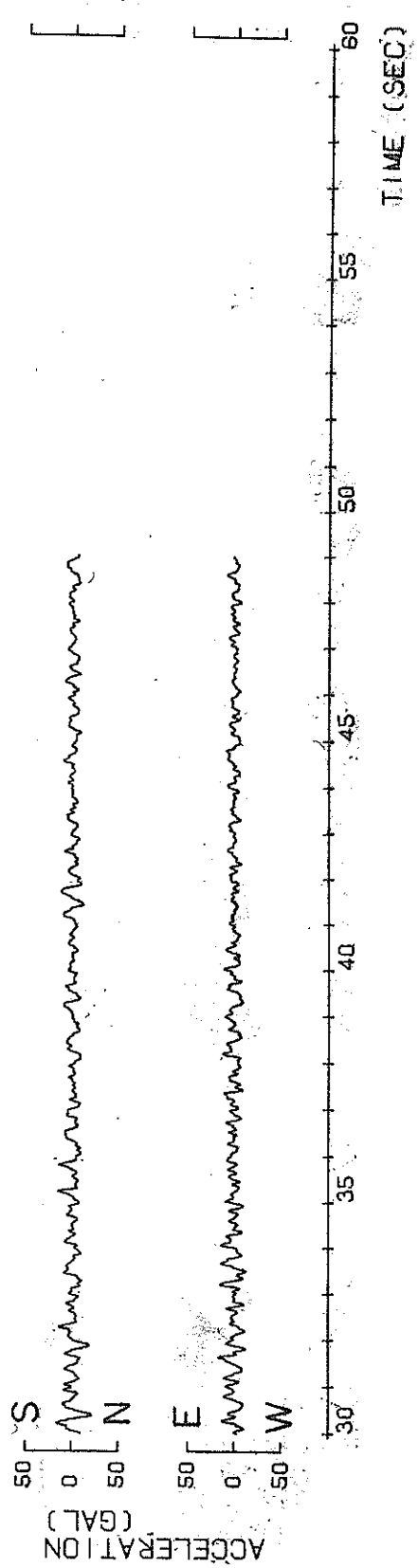
- 172 -



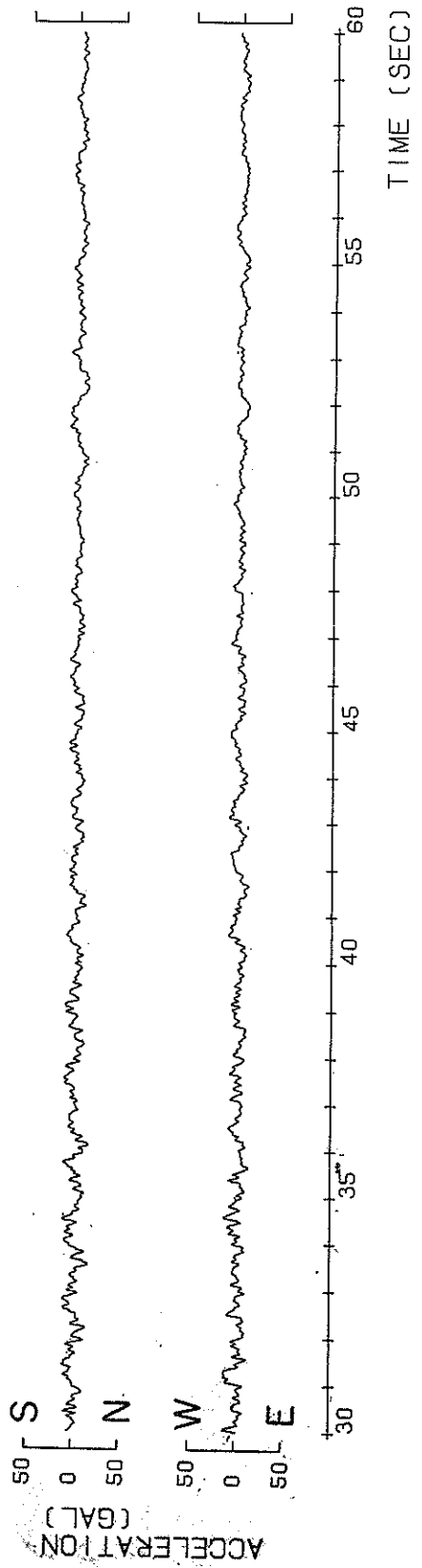
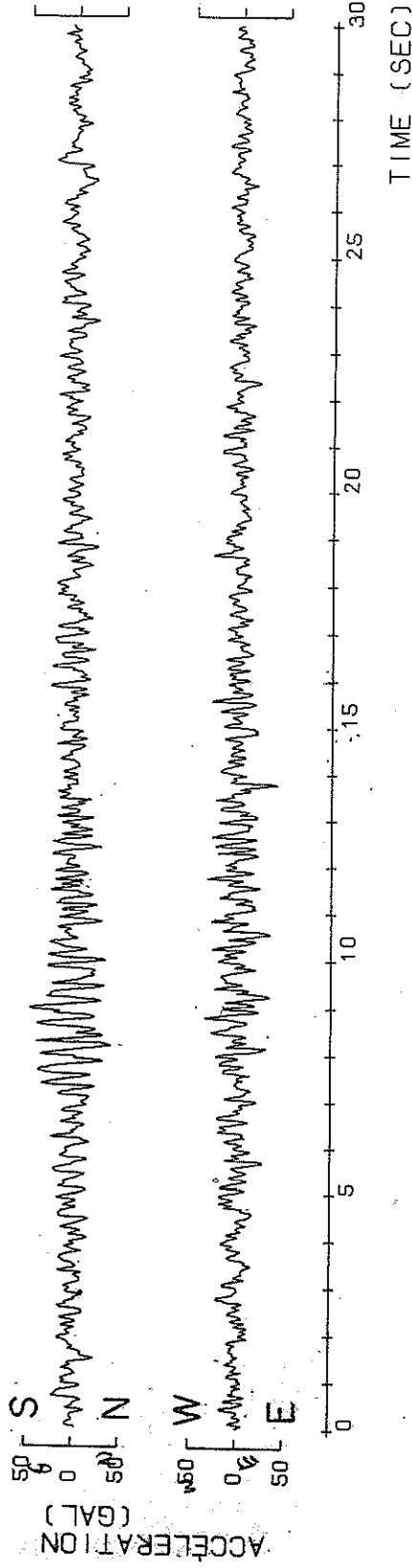
S-664 SHINAGAWA-S 1972-02-29-18-23



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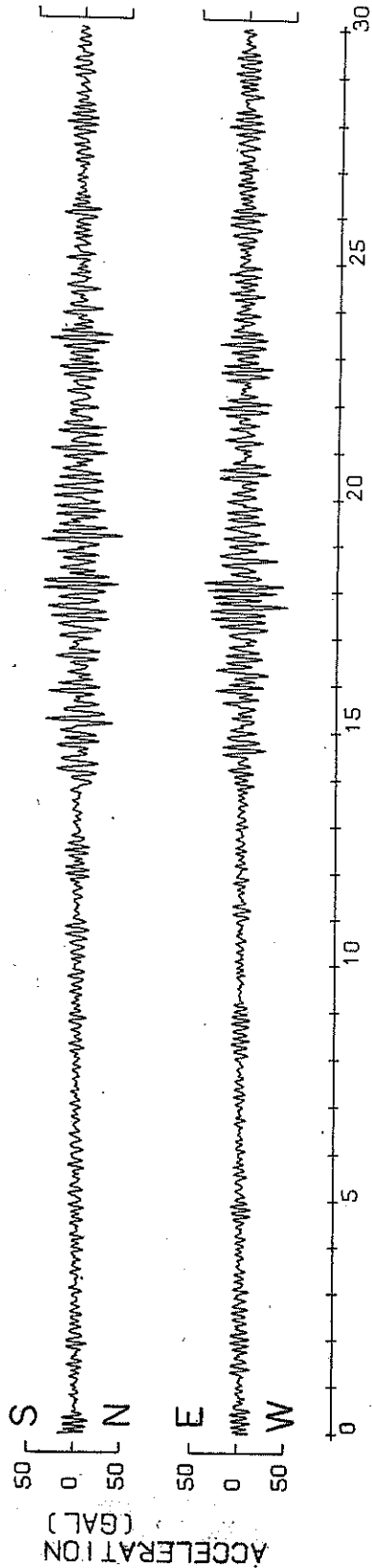
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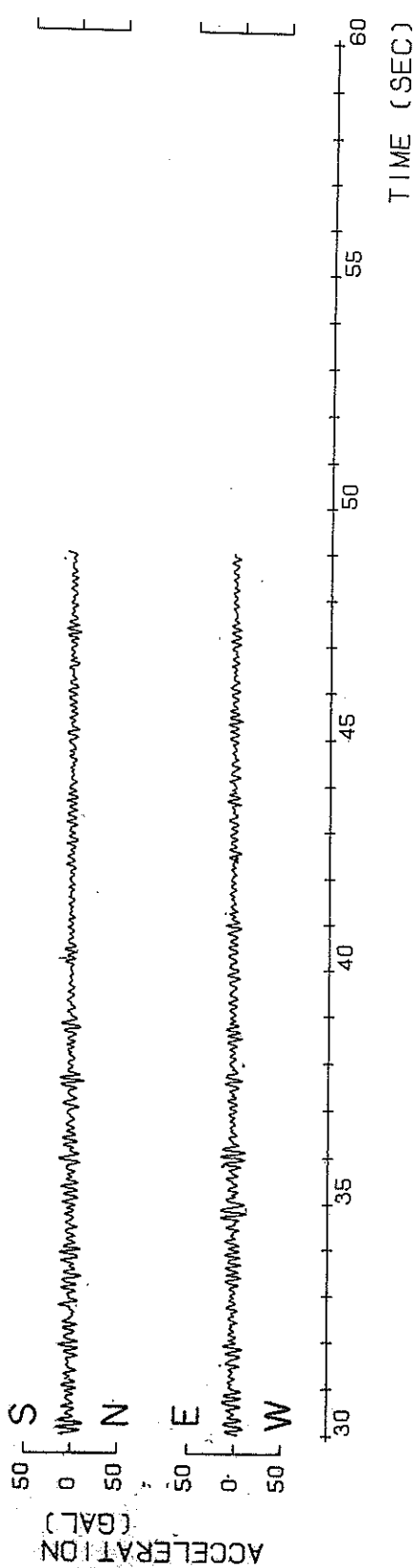
S-666

MIYAKO-S

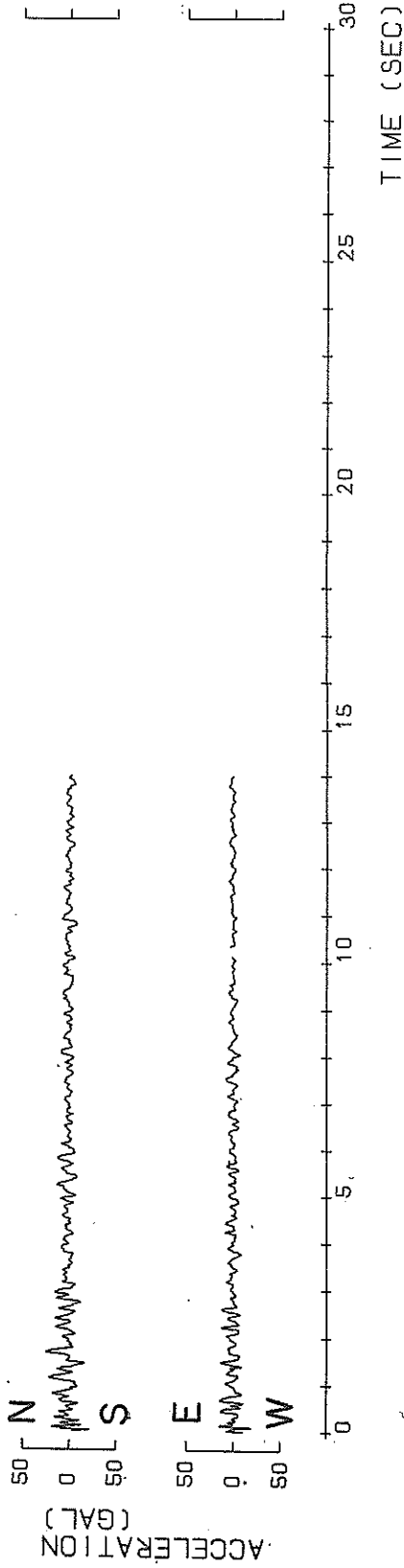
1972-03-20-00-58



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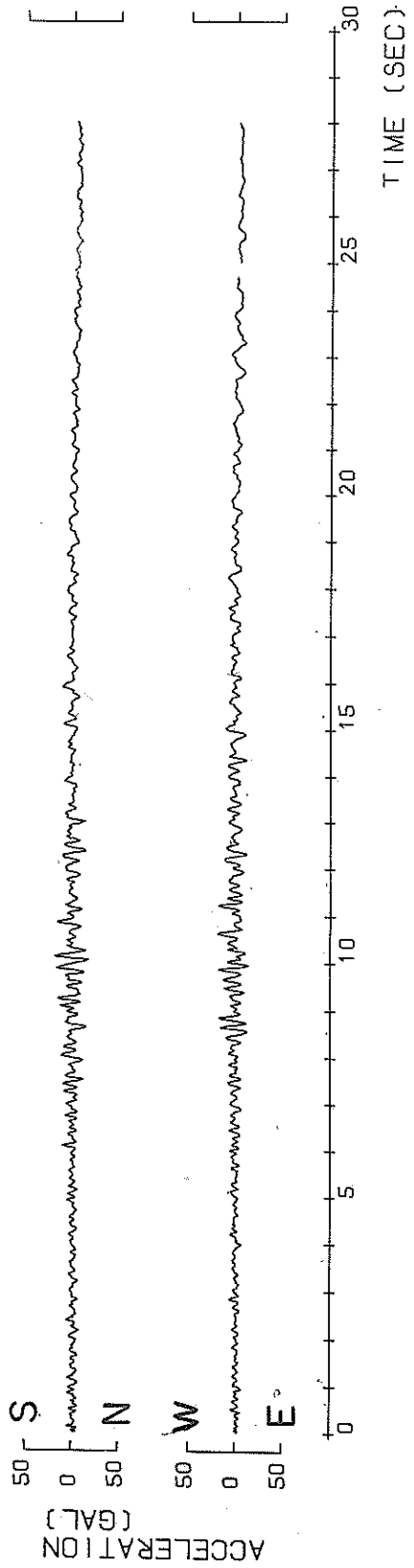


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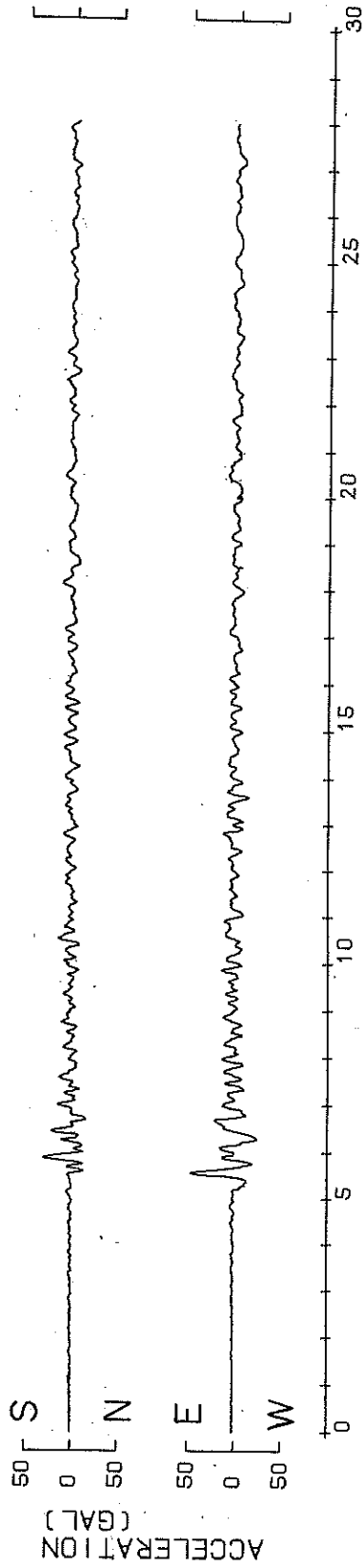
- 171 -

S-678 HOSOSHIMA-S 1972-06-22-00-29



S-682 SAKATA-S

1972-08-20-19-20

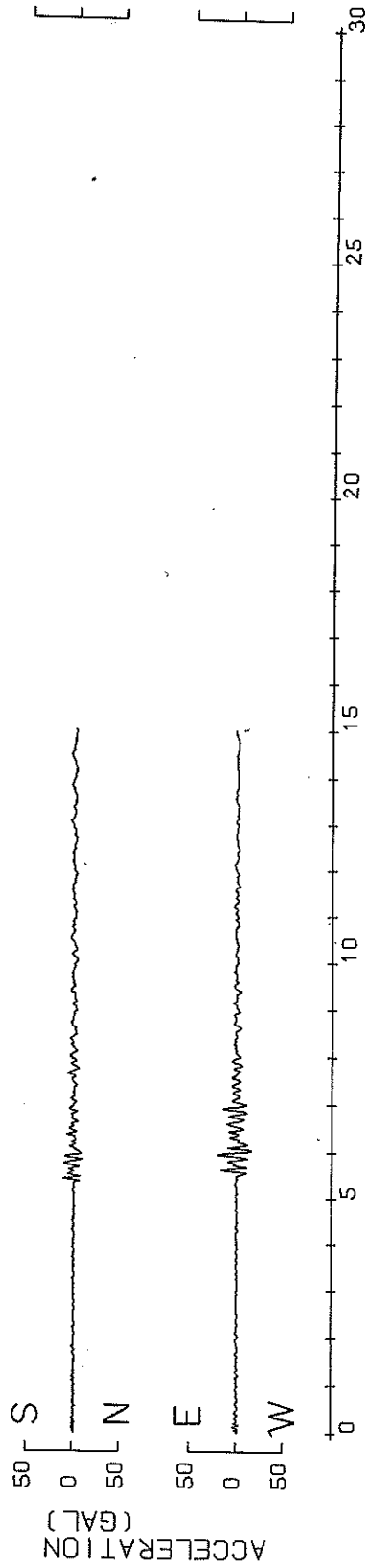


- 471 -

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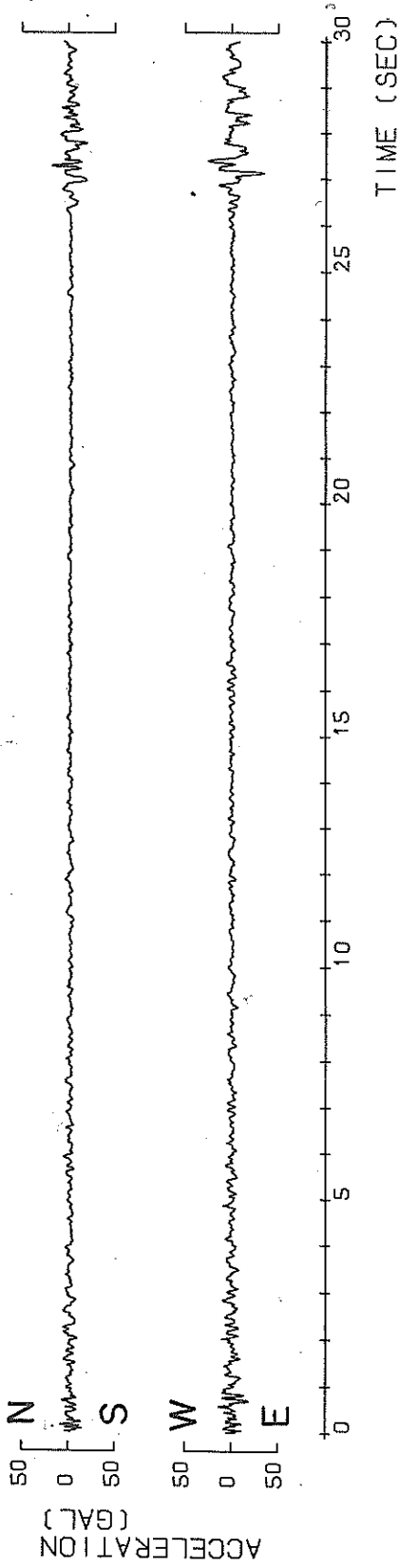
S-685 TSURUGA-S

1972-08-31-16-54

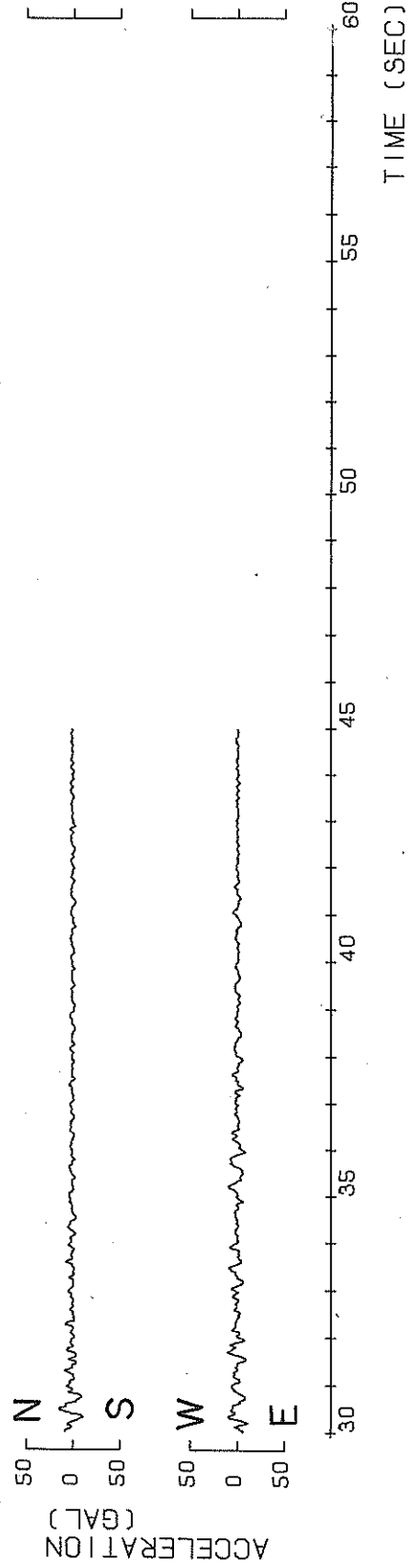


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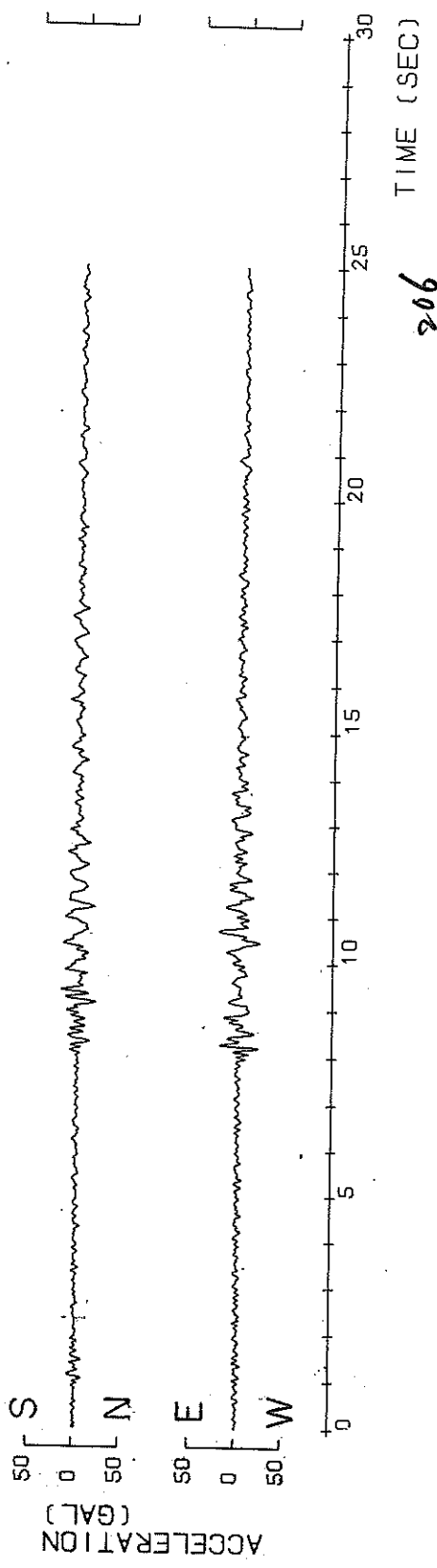
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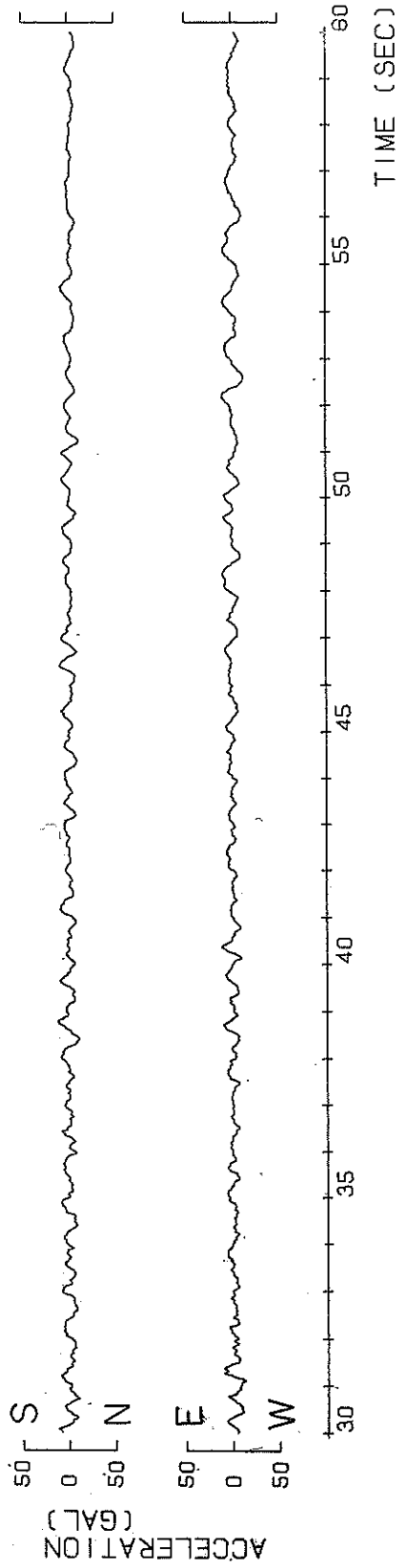
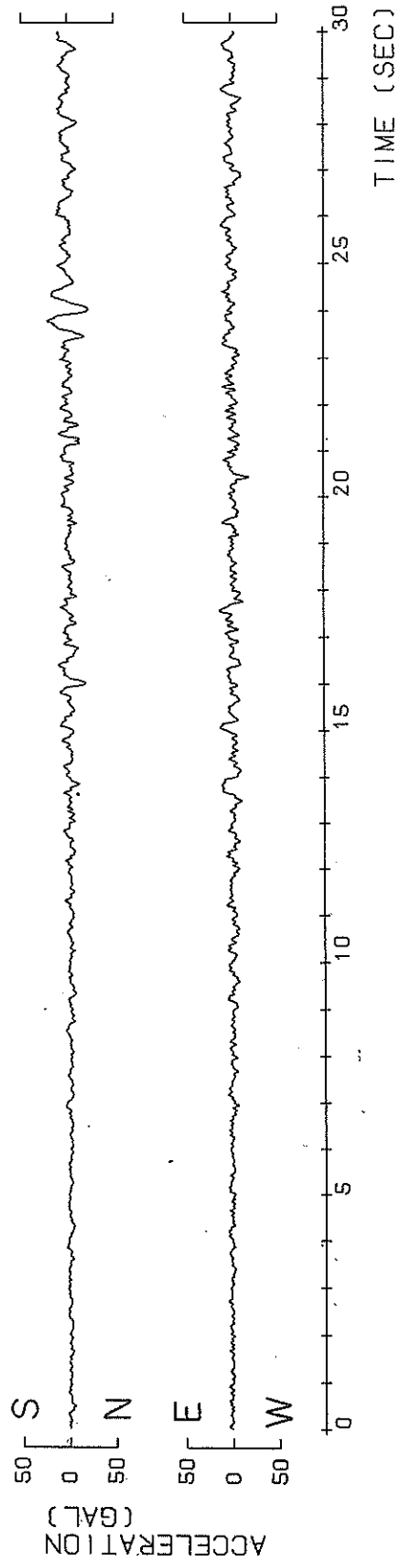
- 178 -



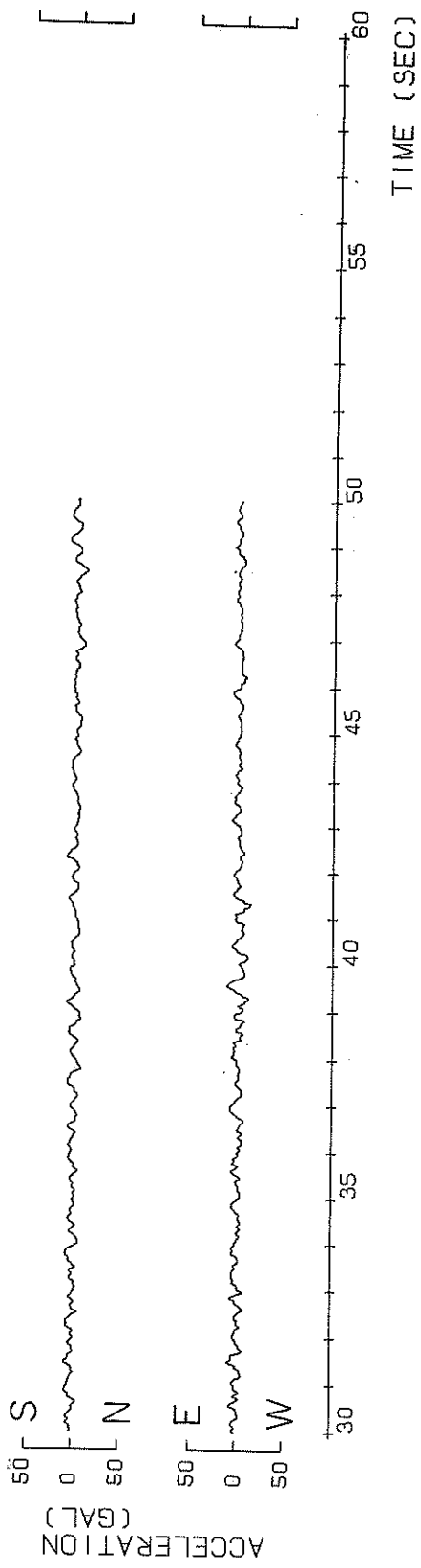
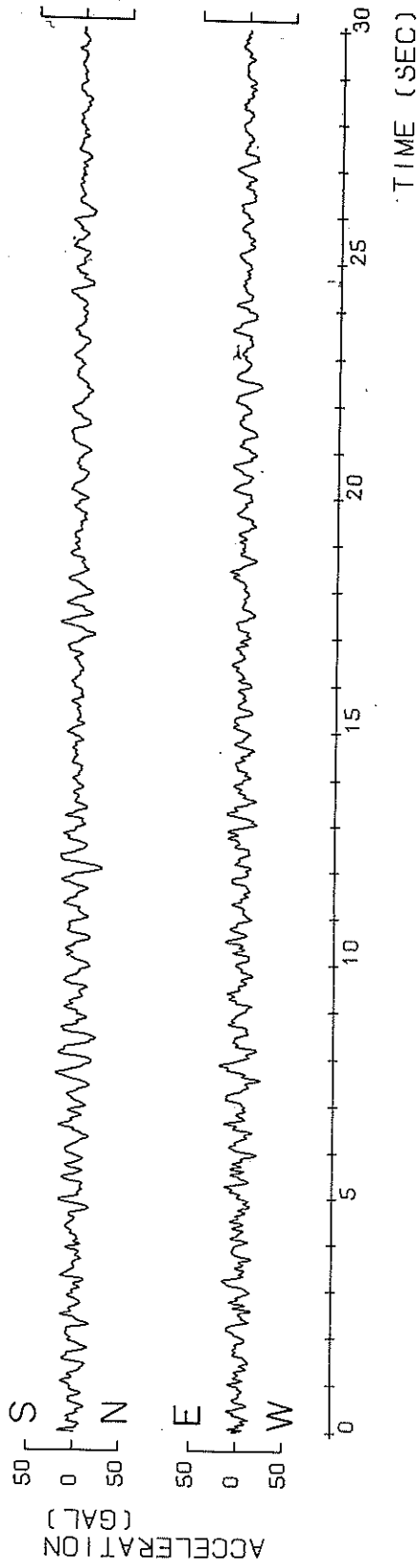
S-702 SHINAGAWA-S 1972-11-06-20-40



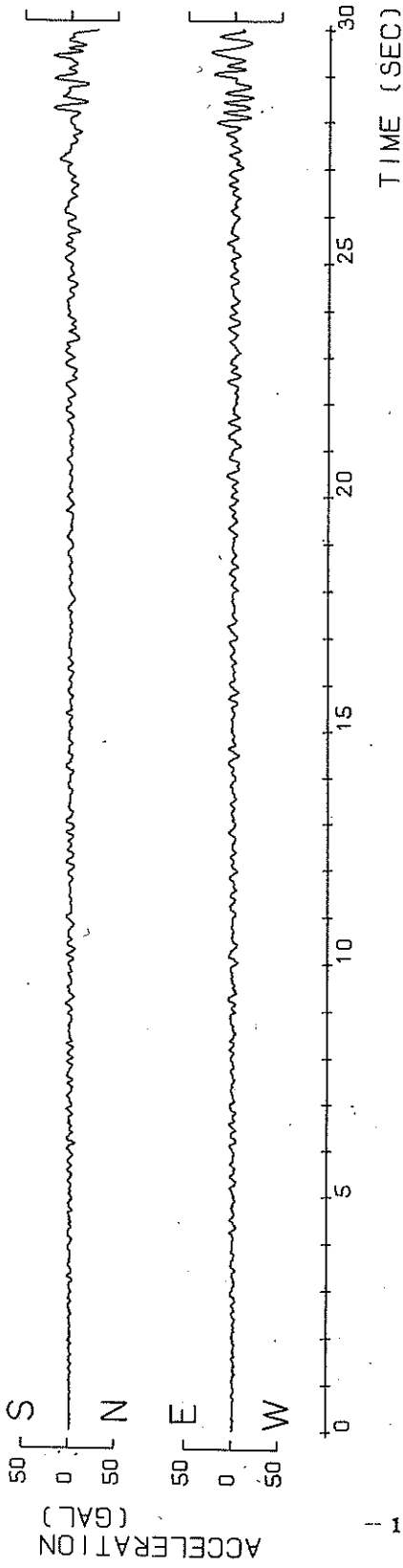
S-703 CHIBA-S 1972-12-04-19-16



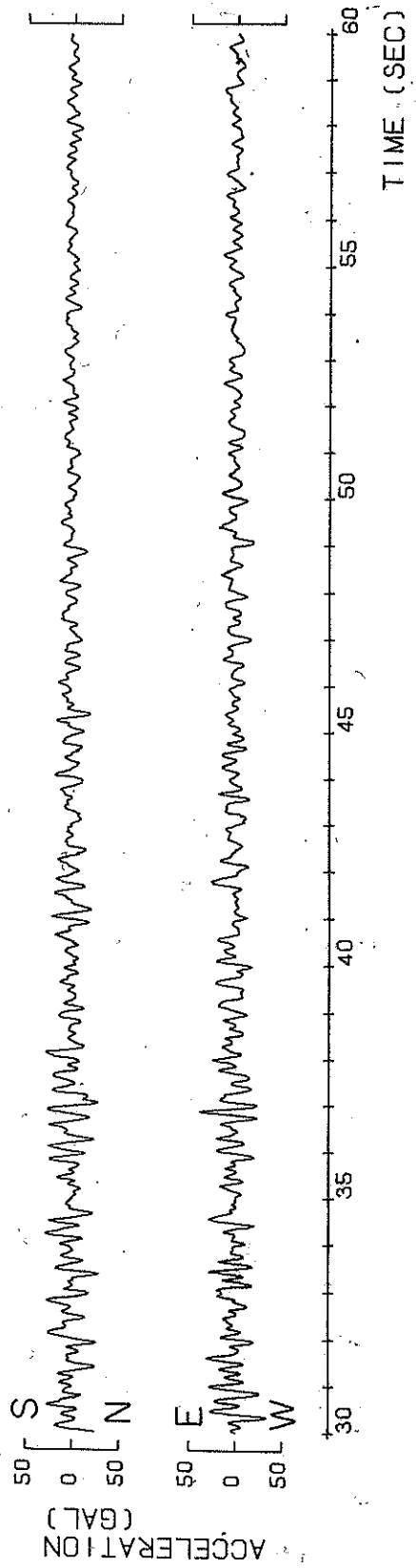
S-704 SHINAGAWA-S 1972-12-04-19-16



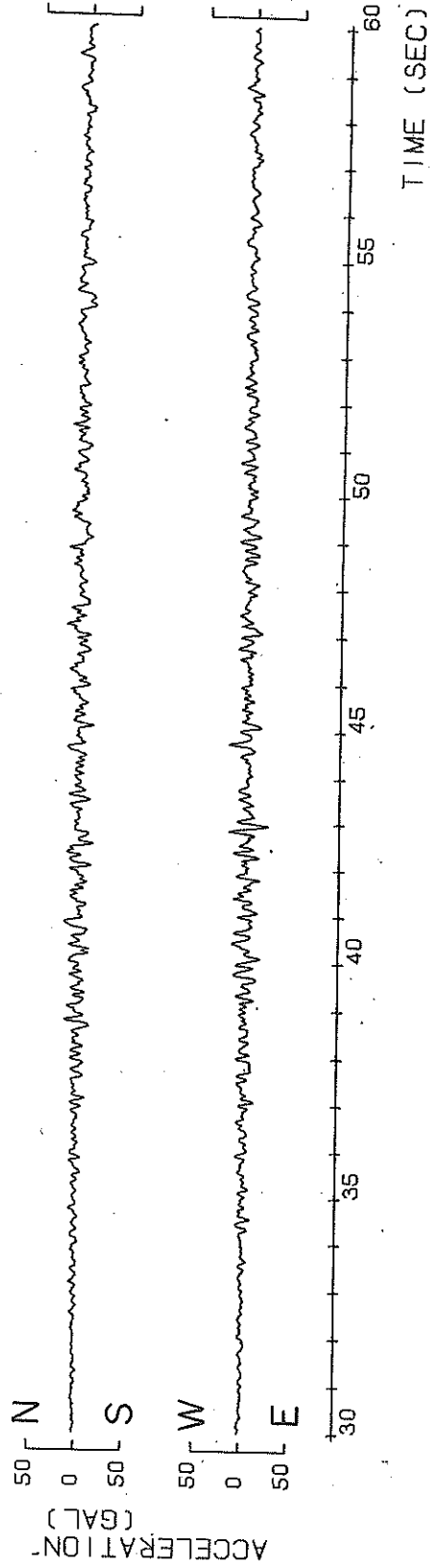
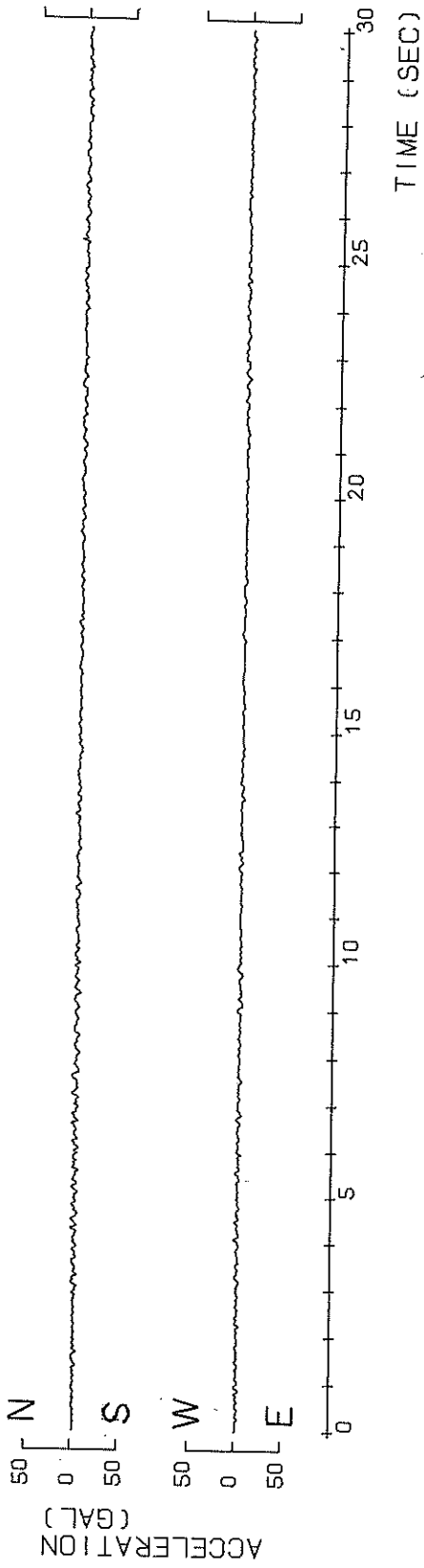
S-706 YAMASHITA-HEN-S 1972-12-04-19-16



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S-711 ONAHAMA-S 1972-12-04-19-16



APPENDIX AVERAGE RESPONSE SPECTRA OF STRONG MOTION EARTHQUAKE STATIONS

Started in 1962 by the Earthquake Resistant Structures Laboratory, the strong motion earthquake observation in port areas in Japan has succeeded in recording a large number of earthquakes including the 1968 Tokachi-oki earthquake of magnitude 7.8, which caused damage to port structures as well as buildings in northern part of Japan. The total number of accelerograms accumulated at the laboratory which is actually a center for the strong motion earthquake observation in port areas had reached to about 740 by the end of 1972. The laboratory has continued for these eleven years its effort to maintain the instruments in proper operation, to keep the accelerograms in appropriate condition, and to analyze and publish the important records. Through the effort a considerable number of response spectra has been calculated and stored; now most of the stations have response spectra of earthquake records which were recorded at each station.

The authors consider that the circumstances enable us to calculate average response spectra for each station from those of the earthquake records obtained at each station. The average response spectra calculated in such a way may be applied, in principle to structures in the vicinity to the stations and on subsoil similar to that of the station. However, as the stations are mostly located on subsoils which are representative of those in each port, practically the average response spectrum of each station may be utilized as that of each port.

Of course an effort to generalize the response spectra, especially in connection with subsoil conditions, is needed and the authors have reported an investigation along the direction. **) For one who wish to examine the relationship between the response spectra and the subsoil conditions the separate reports on site conditions are available. **), **), **)

The average response spectra presented in this appendix are acceleration ratio response spectra which are the ratio of maximum absolute acceleration of a single-degree-of-freedom system to maximum ground acceleration. The damping factor is 0.05 for all the response spectra presented in this appendix. The acceleration response spectrum is chosen because it is convenient to compare the maximum response of a structure to the design seismic coefficient and the spectral value is automatically normalized by the maximum ground acceleration.

The earthquake records used for calculating the average response spectra are listed in Table A1. The solid lines in the figures are the average response spectra and the dashed lines are showing the maximum and minimum values at each undamped natural period. Therefore, the dashed lines are not response spectrum curves of certain earthquakes, but they contain spectral values of several earthquakes depending on the period. The following abbreviations are used in the figures:

AMX: Maximum, absolute acceleration,

GMX: Maximum ground acceleration,

PERIOD: Undamped natural period in second.

There are the spectra of some stations which are not listed in Table 1 in the main text; those stations existed once, but at present the observation at the locations have finished and the instruments have been relocated.

* The number corresponds to that in the list of references in the main text.

Table A1 Records used for compiling average response spectra

Station	Accelerogram Data			Earthquake Data				
	Record number	Max. acc in gals	Epicentral distance in km	Date and time	Latitude	Longitude	Depth in km	Magnitude
Kushiro-S	S- 98	73	96	1965-10-26-07-34	43.7°N	145.5°E	160	-
	S-262	47	262	1968-05-16-09-49	40.7°N	143.7°E	0	7.9
	S-369	72	43	1968-08-07-17-00	42.7°N	144.9°E	80	-
	S-394	30	109	1968-09-03-14-23	42.8°N	145.7°E	60	5.2
	S-439	30	192	1969-01-19-16-02	44.6°N	143.5°E	260	-
	S-475	40	263	1969-08-12-06-28	42.7°N	147.6°E	30	7.8
	S-518	41	111	1970-01-21-02-33	42.7°N	143.1°E	50	6.7
	S-634	68	209	1971-08-02-16-25	41.2°N	143.7°E	60	7.0
	S-674	94	61	1972-05-11-09-45	42.6°N	144.9°E	60	5.8
Tomakomai-S	S-633	30	234	1971-08-02-16-25	41.2°N	143.7°E	60	7.0
Muroan-S	S-234	205	310	1968-05-16-09-49	40.8°N	143.6°E	0	7.9
	S-241	95	221	1968-05-16-19-39	41.4°N	142.9°E	40	7.5
	S-399	46	173	1968-09-21-22-06	42.0°N	142.8°E	80	-
	S-515	34	172	1970-01-21-02-33	42.7°N	143.1°E	50	6.7
	S-627	29	285	1971-08-02-16-25	41.2°N	143.7°E	60	7.0
	S-668	24	237	1972-03-20-00-58	40.8°N	142.0°E	80	-
	Aomori-S	S-235	208	236	1968-05-16-09-49	40.8°N	143.6°E	0
S-264		86	188	1968-05-16-19-39	41.4°N	142.9°E	40	7.5
S-304		22	250	1968-06-12-22-42	39.4°N	143.1°E	0	7.2
S-400		26	214	1968-09-21-22-06	42.0°N	142.8°E	80	-
S-670		56	101	1972-03-20-00-58	40.8°N	142.0°E	80	-
Hachinohe-S		S-252	232	179	1968-05-16-09-49	40.8°N	143.6°E	0
	S-310	37	191	1968-06-12-22-42	39.4°N	143.1°E	0	7.2
	S-401	35	190	1968-09-21-22-06	42.0°N	142.8°E	80	-
	S-469	30	77	1969-06-21-00-38	40.7°N	142.4°E	40	5.6
	S-516	20	269	1970-01-21-02-33	42.7°N	143.1°E	50	6.7
	S-536	31	149	1970-04-01-23-23	39.8°N	140.1°E	80	-
	S-629	31	167	1971-08-02-16-25	41.2°N	143.7°E	60	7.0
	S-669	54	48	1972-03-20-00-58	40.8°N	142.0°E	80	-
	Miyako-S	S-236	112	191	1968-05-16-09-49	40.8°N	143.6°E	0
S-271		90	214	1968-05-16-19-39	41.4°N	142.9°E	40	7.5
S-272		40	138	1968-05-17-03-43	40.8°N	142.4°E	40	5.9
S-273		51	94	1968-05-23-04-29	40.3°N	142.6°E	30	6.3
S-312		110	97	1968-06-12-22-42	39.4°N	143.1°E	0	7.2
S-313		46	121	1968-06-13-20-57	39.2°N	143.3°E	40	5.7

to be continued

Accelerogram Data

Earthquake Data

Station	Record number	Max. acc in gals	Epicentral distance in km	Date and time	Latitude	Longitude	Depth in km	Magnitude
Miyako-S	S-420	52	96	1968-11-14-03-42	40.2°N	142.8°E	30	6.0
	S-537	114	164	1970-04-01-23-23	39.8°N	140.1°E	80	-
	S-553	39	106	1970-09-14-18-45	38.7°N	142.4°E	40	6.2
	S-666	47	134	1972-03-20-00-58	40.8°N	142.0°E	80	-
Ofunado-S	S-140	48	99	1966-01-17-20-58	38.3°N	142.2°E	40	-
	S-282	70	198	1968-05-18-08-05	40.3°N	143.4°E	20	5.1
	S-361	51	90	1968-07-05-20-28	38.4°N	142.2°E	50	6.4
Ofunado-bochi-S	S-554	66	77	1970-09-14-18-45	38.7°N	142.4°E	40	6.2
Shiogama-S	S-138	46	88	1967-01-17-20-59	38.3°N	142.1°E	30	6.3
Shiogama-kojyo-S	S-691	33	88	1972-09-25-18-27	38.4°N	142.1°E	50	5.5
Onahama-S	S-111	84	94	1966-04-03-13-43	36.3°N	141.5°E	20	5.8
	S-375	38	174	1968-07-01-19-45	36.0°N	139.4°E	50	6.1
	S-598	28	72	1971-01-06-15-04	36.4°N	141.2°E	40	5.5
	S-711	25	423	1972-12-04-19-16	33.2°N	141.0°E	30	7.3**
Kashima-S	S-196	85	72	1967-11-19-21-07	36.4°N	141.2°E	50	6.0
	S-341	44	118	1968-07-01-19-45	36.0°N	139.4°E	50	6.1
	S-460	24	67	1969-05-13-23-20	36.5°N	140.7°E	50	5.2
	S-533	29	56	1970-02-10-19-40	36.2°N	140.2°E	70	-
	S-588	49	72	1971-01-06-15-04	36.4°N	141.2°E	40	5.5
	S-612	54	44	1971-06-13-13-06	36.2°N	141.0°E	40	5.3
	S-647	127	13	1971-10-11-19-16	35.9°N	140.6°E	40	5.2
Chiba-S	S-661	23	279	1972-02-29-18-23	33.2°N	141.3°E	70	7.0*
	S-703	23	269	1972-12-04-19-16	33.2°N	141.0°E	30	7.3**
Shinagawa-S	S-192	23	47	1967-11-10-03-19	35.5°N	140.3°E	80	-
	S-340	113	58	1968-07-01-19-45	36.0°N	139.4°E	50	6.1
	S-441	35	39	1968-10-08-09-50	35.5°N	140.2°E	70	-
	S-664	31	300	1972-02-29-18-23	33.2°N	141.3°E	70	7.0*
	S-702	23	67	1972-11-06-20-40	36.2°N	139.8°E	40	**
	S-704	26	289	1972-12-04-19-16	33.2°N	141.0°E	30	7.3**
Keihin-ji-S	S-414	20	56	1968-10-08-09-50	35.6°N	140.2°E	70	-
	S-558	28	8	1970-09-30-04-26	35.5°N	139.6°E	40	4.8
	S-621	27	56	1971-07-23-07-07	35.6°N	139.0°E	10	5.3

to be continued

Accelerogram Data

Earthquake Data

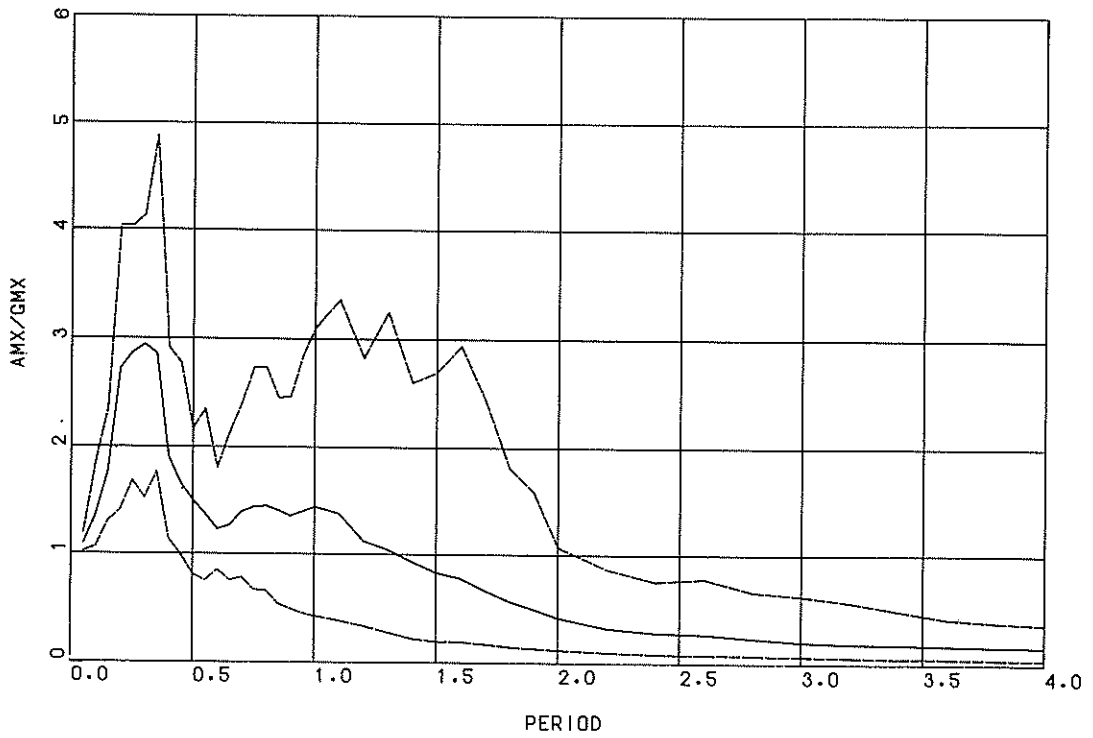
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Keihin-ji-S	S-657	30	300	1972-02-29-18-23	33.2°N	141.3°E	70	7.0*
Yamashita-hen-S	S-339	51	62	1968-07-01-19-45	36.0°N	139.4°E	50	6.1
	S-345	26	79	1968-07-04-09-34	34.8°N	139.8°E	100	-
	S-412	63	37	1968-10-08-09-50	35.5°N	140.2°E	70	-
	S-559	37	12	1970-09-30-04-26	35.5°N	139.6°E	40	4.8
	S-620	40	65	1971-07-23-07-07	35.6°N	139.0°E	10	5.3
	S-658	53	295	1972-02-29-18-23	33.2°N	141.3°E	70	7.0*
	S-706	38	282	1972-12-04-19-16	33.2°N	141.0°E	30	7.3**
Koken-S	S-656	23	267	1972-02-29-18-23	33.2°N	141.3°E	70	7.0*
	S-705	15	253	1972-12-04-19-16	33.2°N	141.0°E	30	7.3**
Tagonoura-S	S-662	32	291	1972-02-29-18-23	33.2°N	141.3°E	70	7.0*
Shimizu-kojyo-S	S- 74	107	23	1965-04-20-08-42	34.9°N	138.3°E	20	6.1
Kinuura-S	S-480	61	102	1969-09-09-14-15	35.8°N	137.1°E	0	6.6
	S-585	81	53	1971-01-05-06-09	34.5°N	137.2°E	40	6.1
Nagoya-zokan-S	S- 1	30	127	1963-03-27-06-34	35.8°N	135.8°E	0	6.9
	S- 20	28	24	1963-09-17-00-23	34.9°N	136.9°E	0	4.1
	S-578	53	73	1971-01-05-06-09	34.5°N	137.2°E	40	6.1
Yokkaichi-ji-S	S-166	29	20	1967-06-23-05-13	34.9°N	136.8°E	0	4.1
	S-479	38	110	1969-09-09-14-15	35.8°N	137.1°E	0	6.6
Yokk.-chitose-S	S-577	86	79	1971-01-05-06-09	34.4°N	137.2°E	40	6.1
Wakayama-ji-S	S-187	87	-	1967-09-24-04-41	-	-	-	-
	S-265	252	0	1968-03-30-04-04	34.2°N	135.2°E	0	5.0
	S-266	76	328	1968-04-01-09-42	32.3°N	132.5°E	30	7.5
	S-520	35	12	1969-07-09-19-21	34.2°N	135.1°E	10	4.4
Kobē-ji-S	S-391	24	65	1968-08-27-21-58	35.0°N	135.8°E	10	4.9
	S-485	23	212	1969-09-09-14-15	35.8°N	137.1°E	0	6.6
Hiroshima-S	S-364	61	123	1968-08-06-01-17	33.3°N	132.4°E	40	6.6
Kochi-S	S-211	97	169	1968-04-01-09-42	32.3°N	132.5°E	30	7.5
	S-367	48	114	1968-08-06-01-17	33.3°N	132.4°E	40	6.6

to be continued

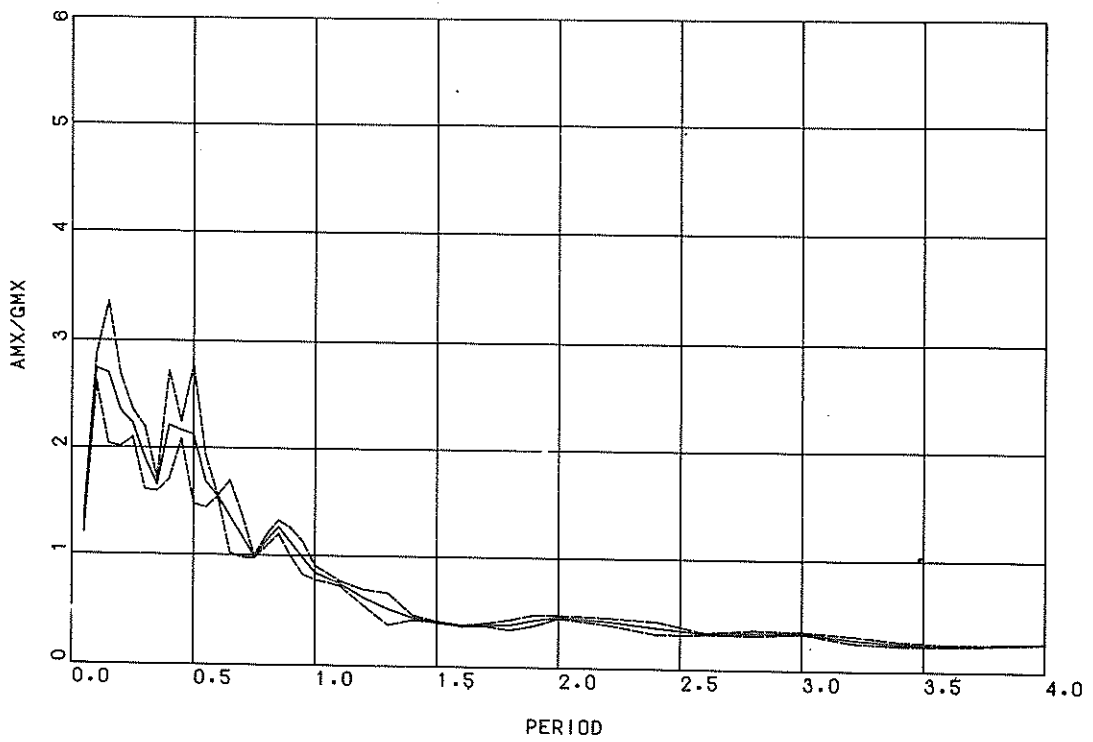
Accelerogram Data				Earthquake Data				
Station	Record number	Max. acc in gals	Epicentral distance in km	Date and time	Latitude	Longitude	Depth in km	Magnitude
Kochi-S	S-431	24	47	1968-12-11-20-45	33.5°N	134.1°E	50	5.6
Hososhima-S	S-213	242	76	1968-04-01-09-42	32.3°N	132.5°E	30	7.5
	S-366	44	120	1968-08-06-01-17	33.3°N	132.4°E	40	6.6
	S-453	98	51	1969-04-21-16-19	32.1°N	132.1°E	10	6.5
	S-544	122	45	1970-07-26-07-41	32.1°N	132.0°E	10	6.7
	S-545	49	45	1970-07-26-16-10	32.1°N	132.0°E	10	6.1
	S-678	21	73	1972-06-22-00-29	31.8°N	132.0°E	10	5.4
Kagoshima-S	S-489	28	131	1969-09-18-03-41	30.9°N	131.7°E	0	5.9
	S-551	24	144	1970-07-26-07-41	32.1°N	132.0°E	10	6.7
Tsuruga-S	S-685	22	64	1972-08-31-16-54	35.3°N	135.6°E	10	5.1
Kanazawa-S	S-483	23	100	1969-09-09-14-15	35.8°N	137.1°E	0	6.6
Niigata-S	S-107	20	88	1966-01-20-10-44	37.9°N	138.1°E	0	5.3
Sakata-S	S-564	22	93	1970-10-16-14-26	39.2°N	140.8°E	0	6.2
	S-682	46	36	1970-08-20-19-20	38.6°N	139.9°E	20	5.3
Akita-S	S-655	73	27	1972-02-17-07-06	39.8°N	139.9°E	70	

* Earthquake data with this mark are unpublished information from the Seismological Section, JMA.

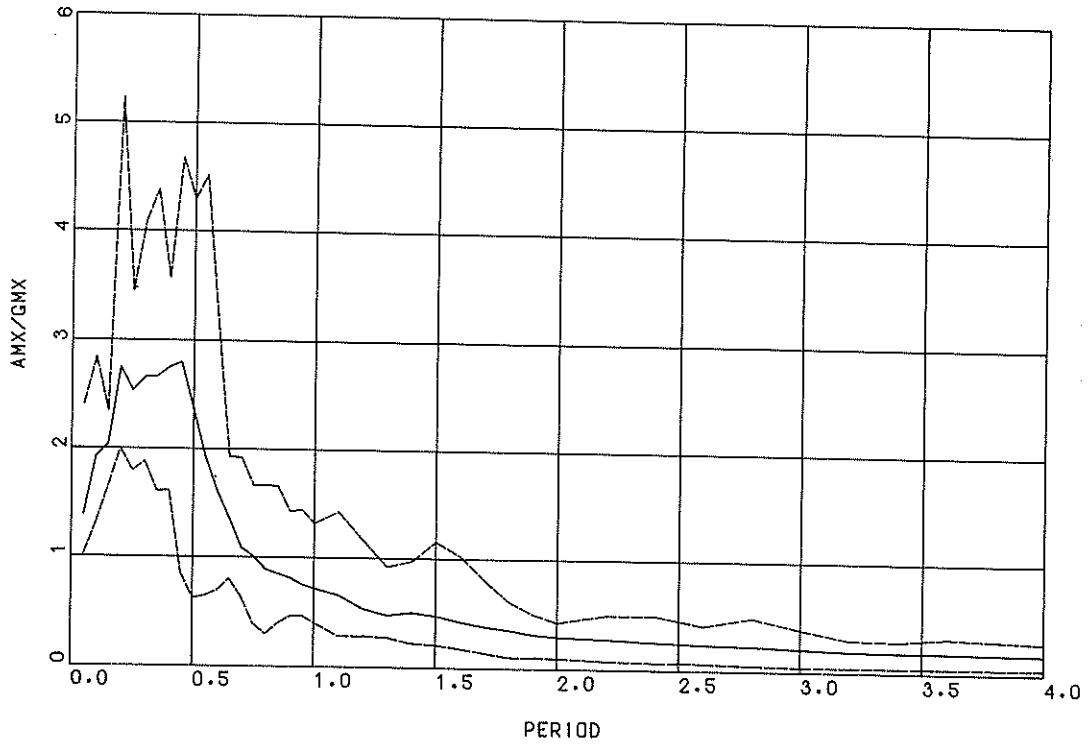
** Earthquake data with this mark are based upon the preliminary report (Jishin Kazan Gaikyo). Other earthquake data are from the Seismological Bulletins of the Japan Meteorological Agency.



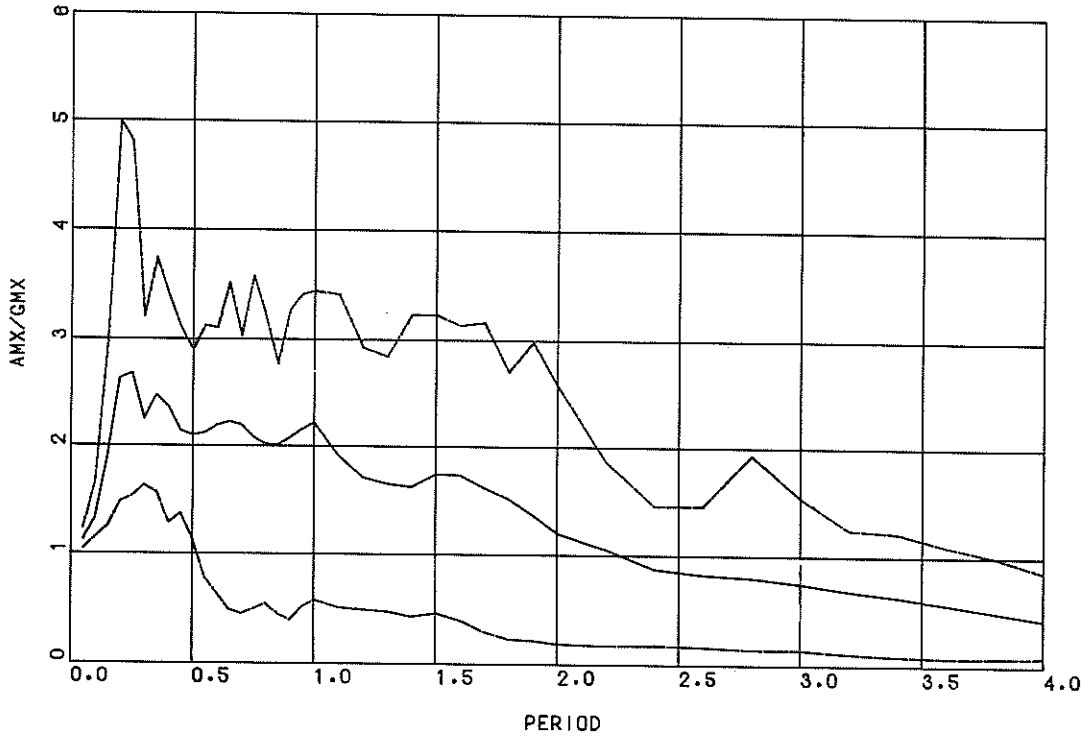
Kushiro - S ($h=0.05$)



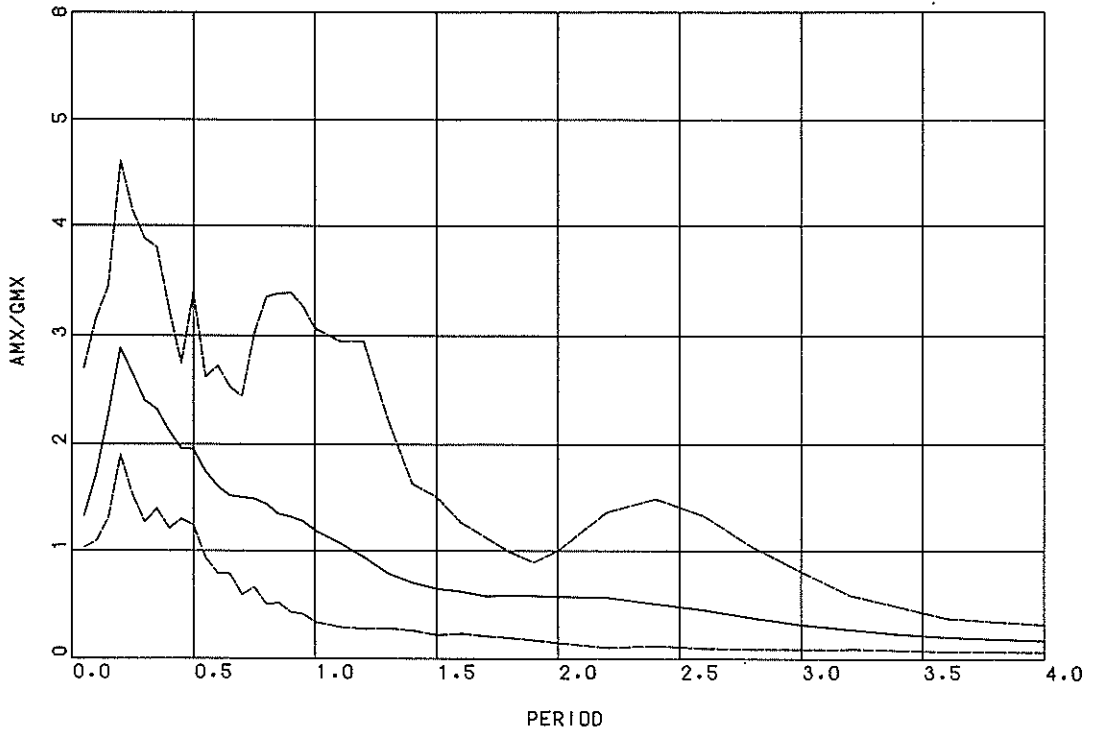
Tomakomai - S ($h=0.05$)



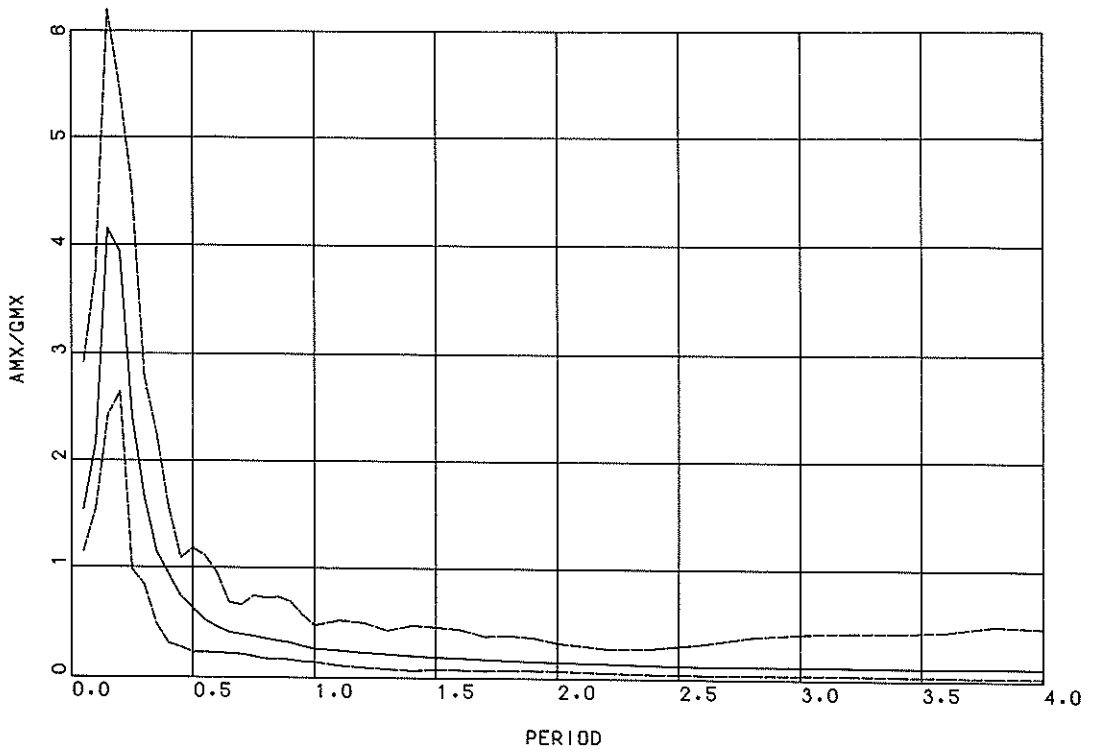
Murooran - S (h=0.05)



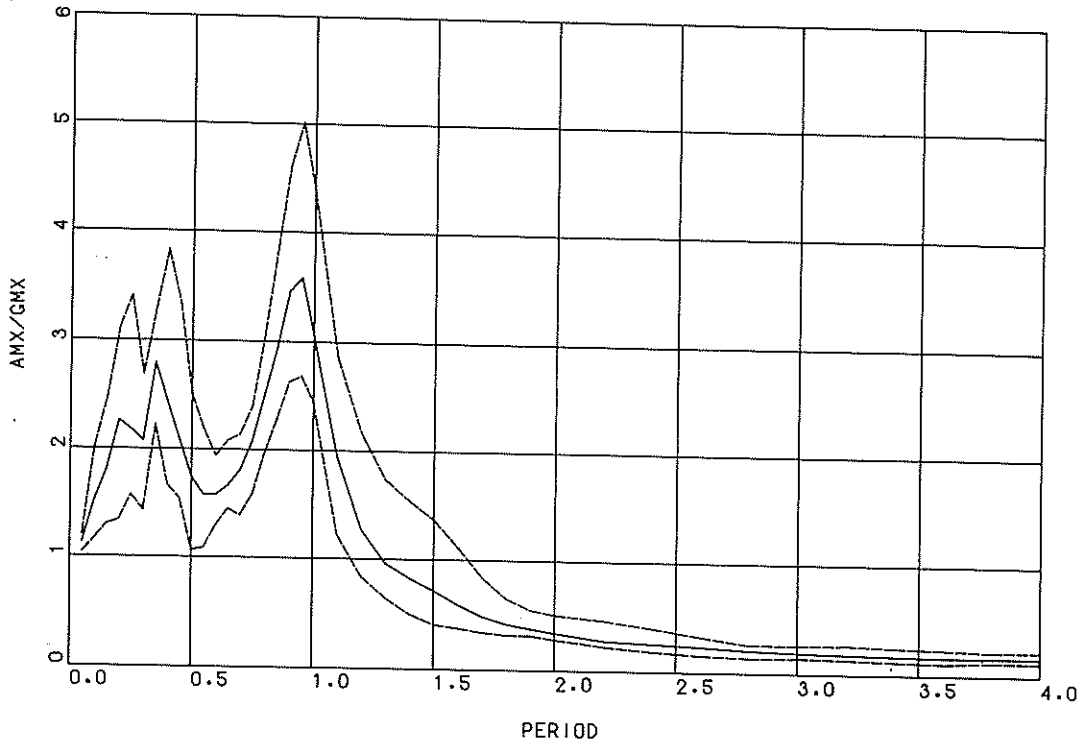
Aomori - S (h=0.05)



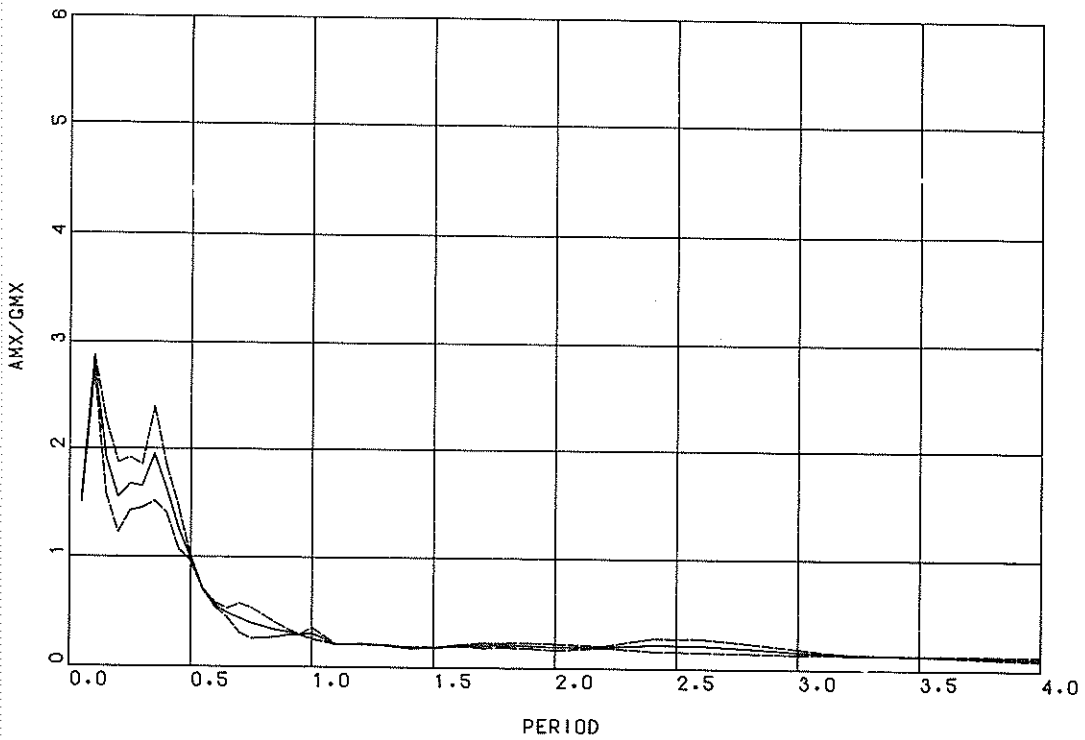
Hachinohe - S (h=0.05)



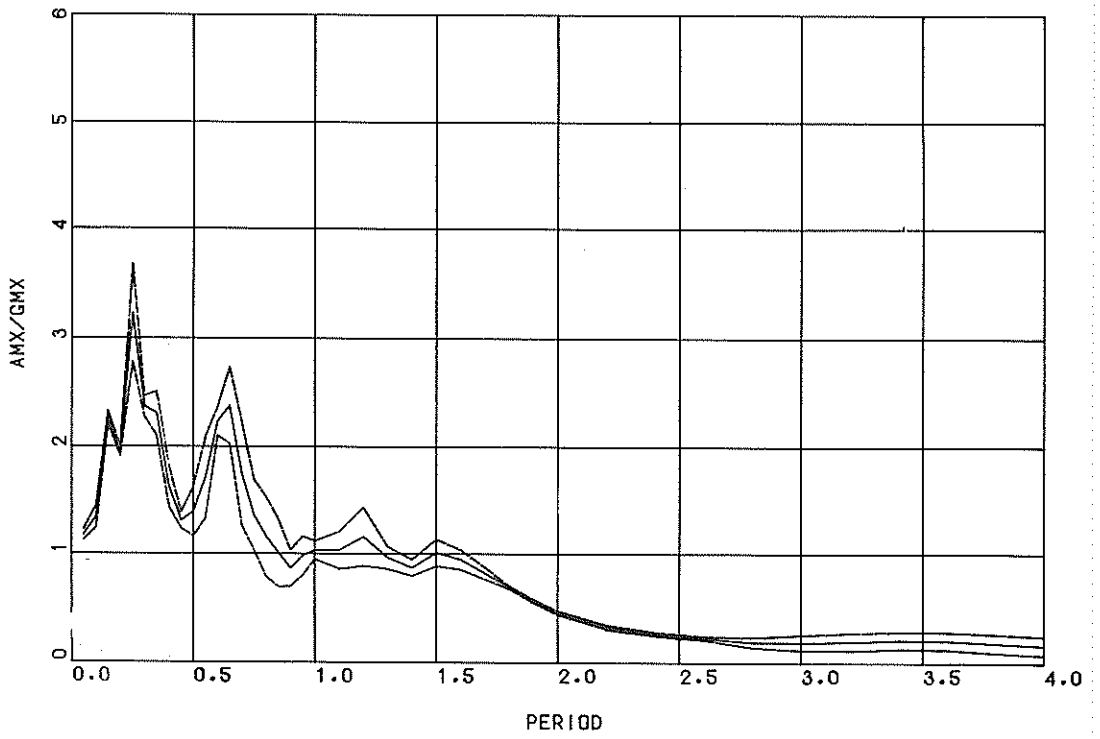
Miyako - S (h=0.05)



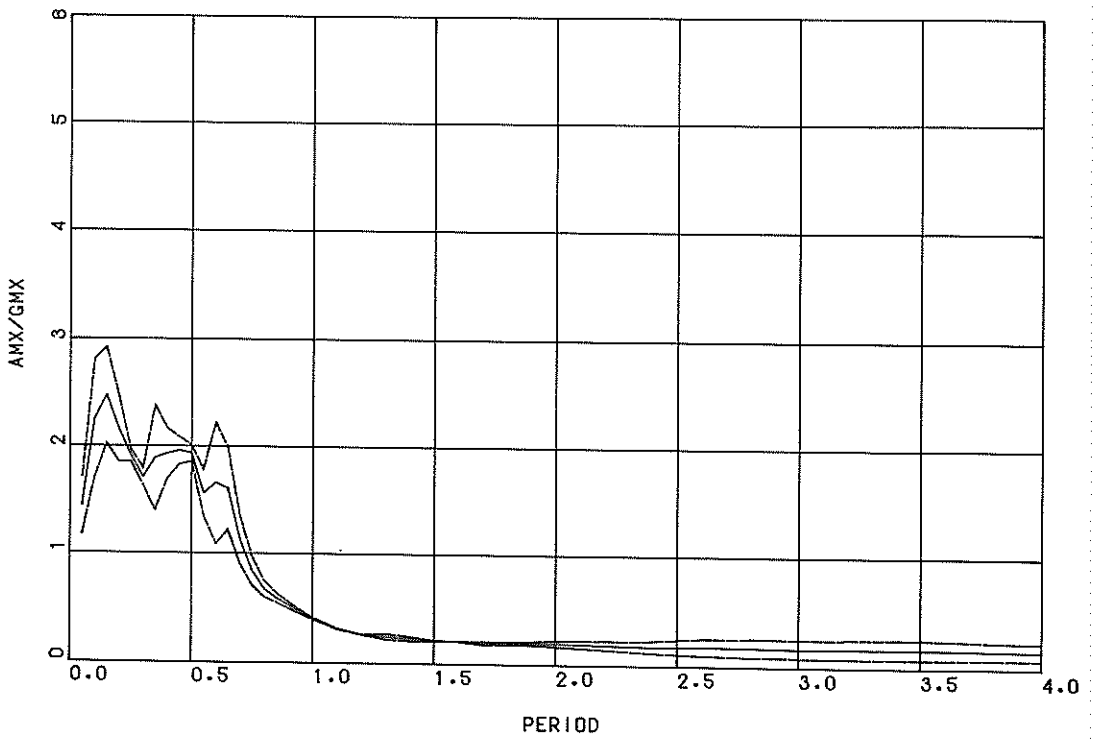
Ofunado - S ($h=0.05$)



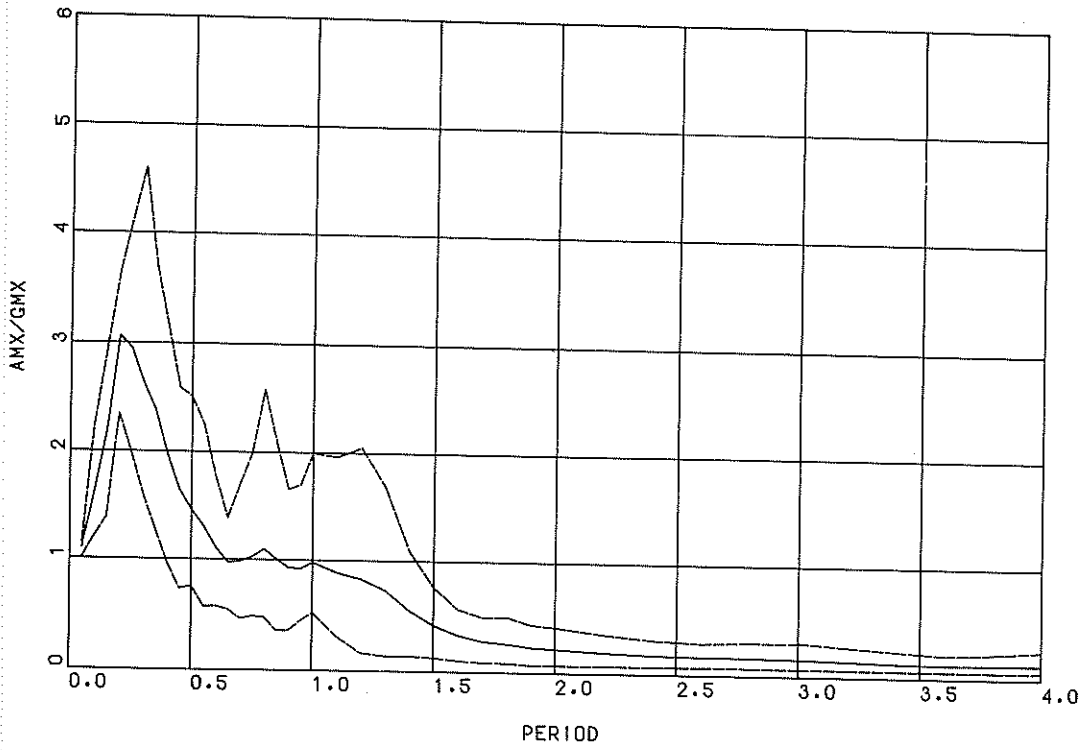
Ofunado - bochi - S ($h=0.05$)



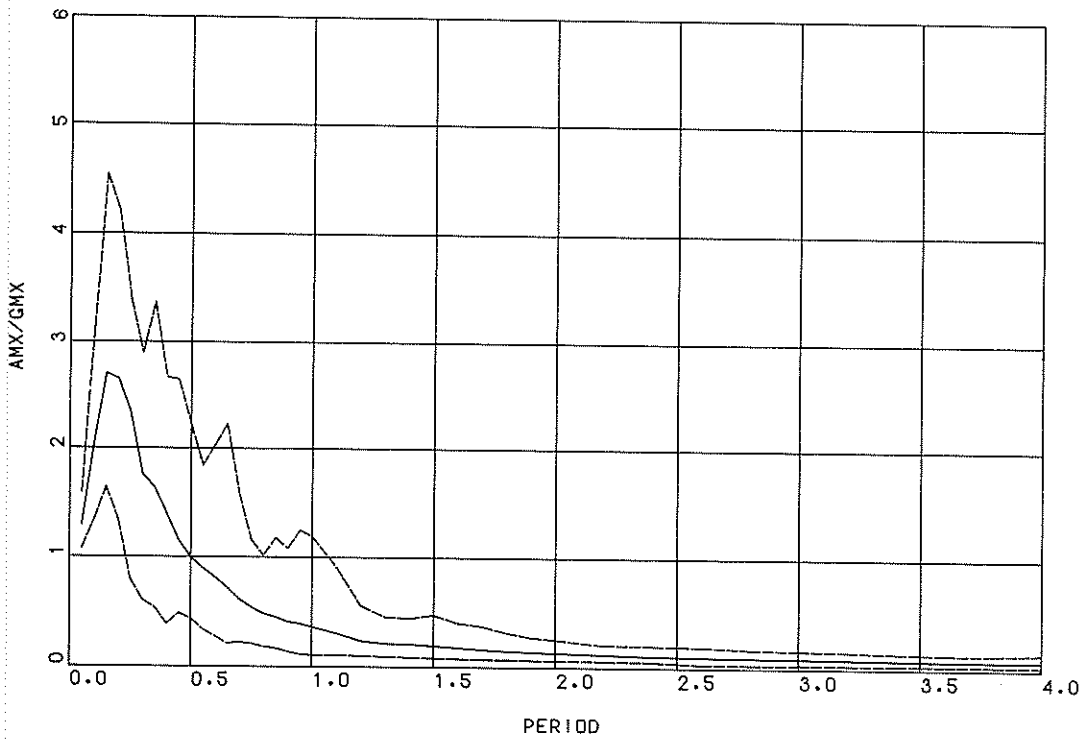
Shiogama - S (h=0.05)



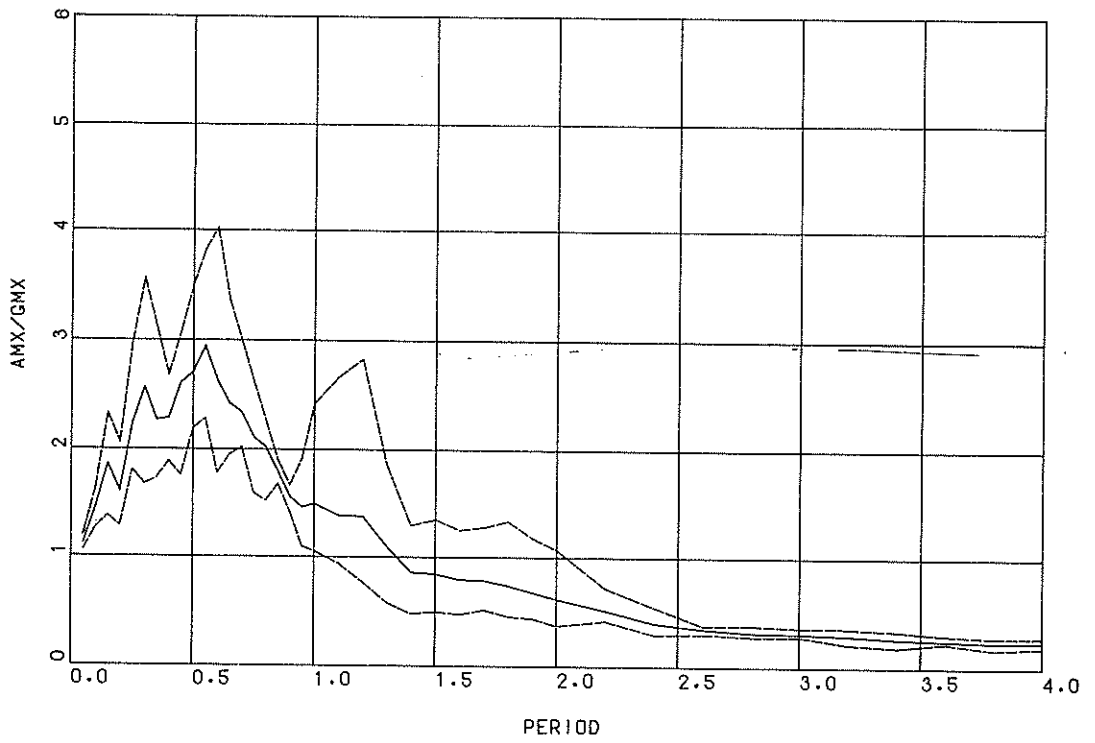
Shiogama - kojyo - S (h=0.05)



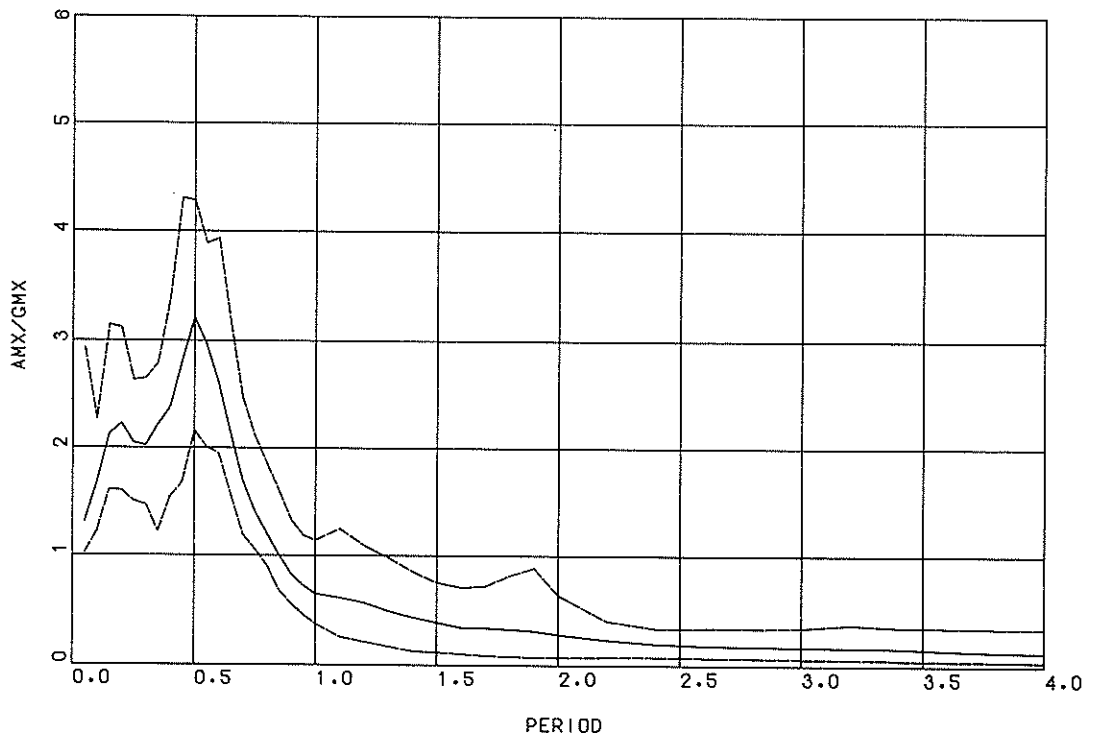
Onahama - S (h=0.05)



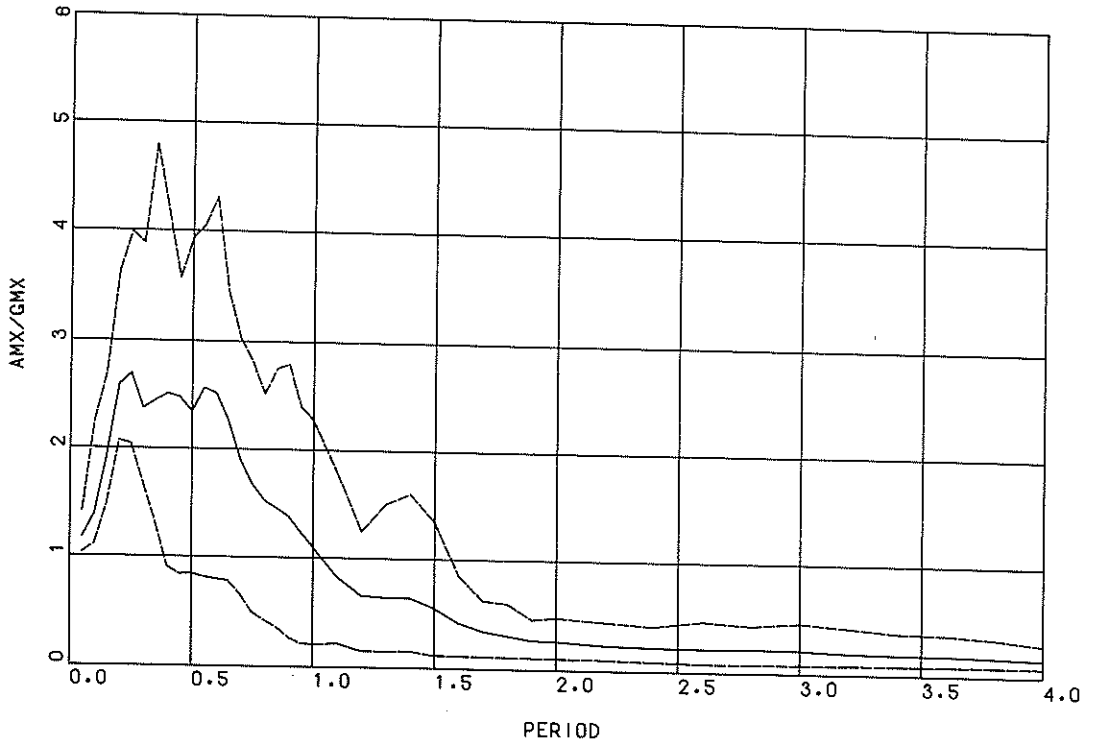
Kashima - S (h=0.05)



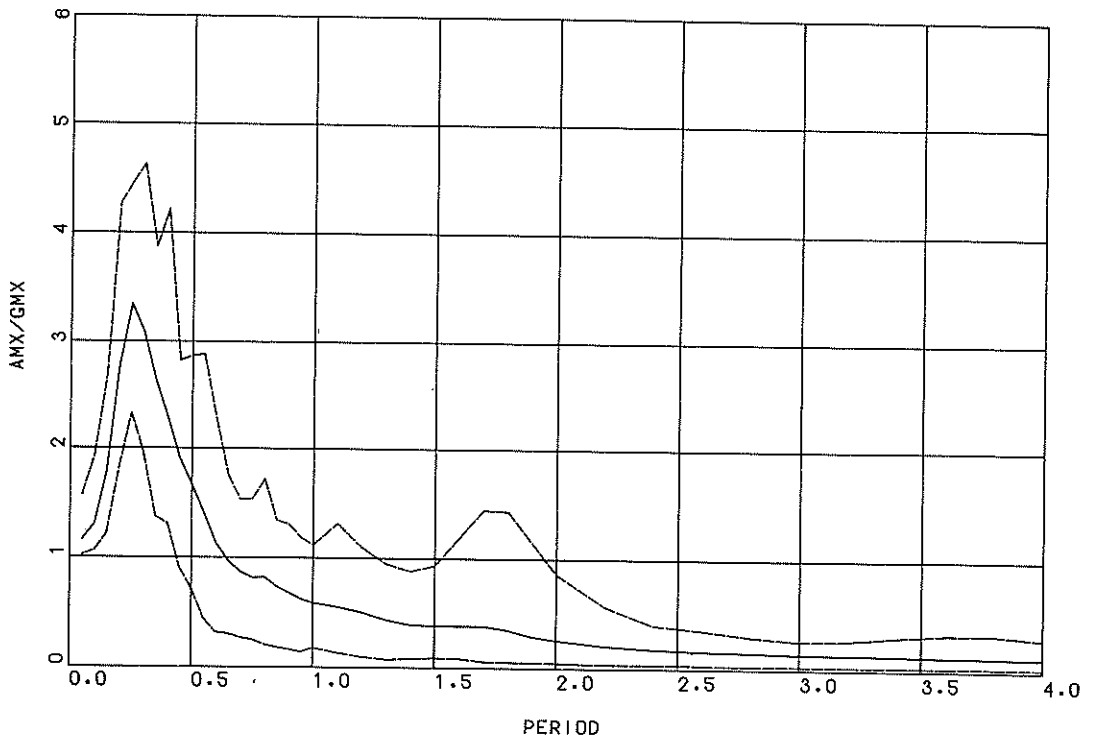
Chiba - S (h=0.05)



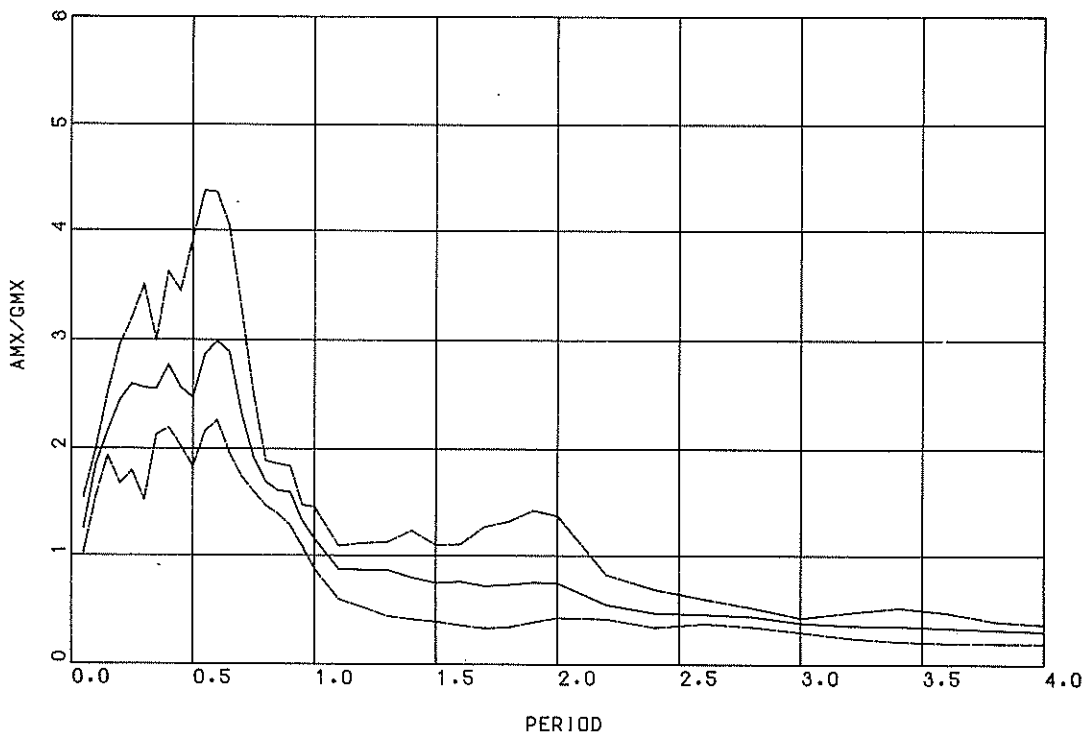
Shinagawa - S (h=0.05)



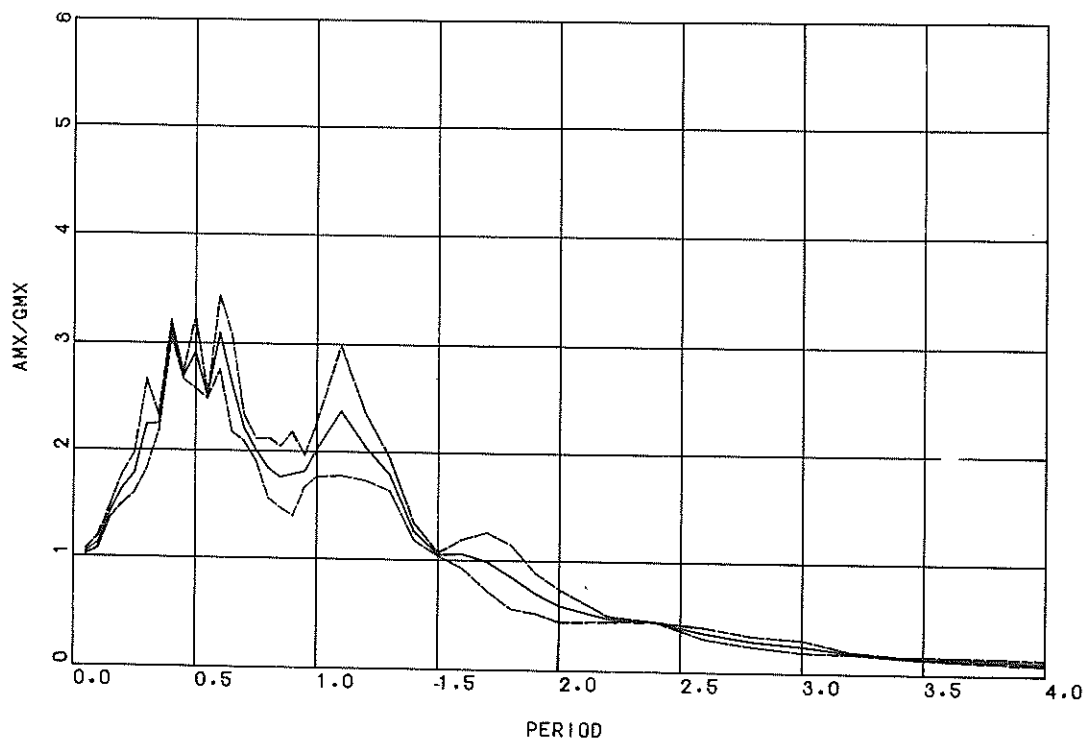
Keihin - ji - S (h=0.05)



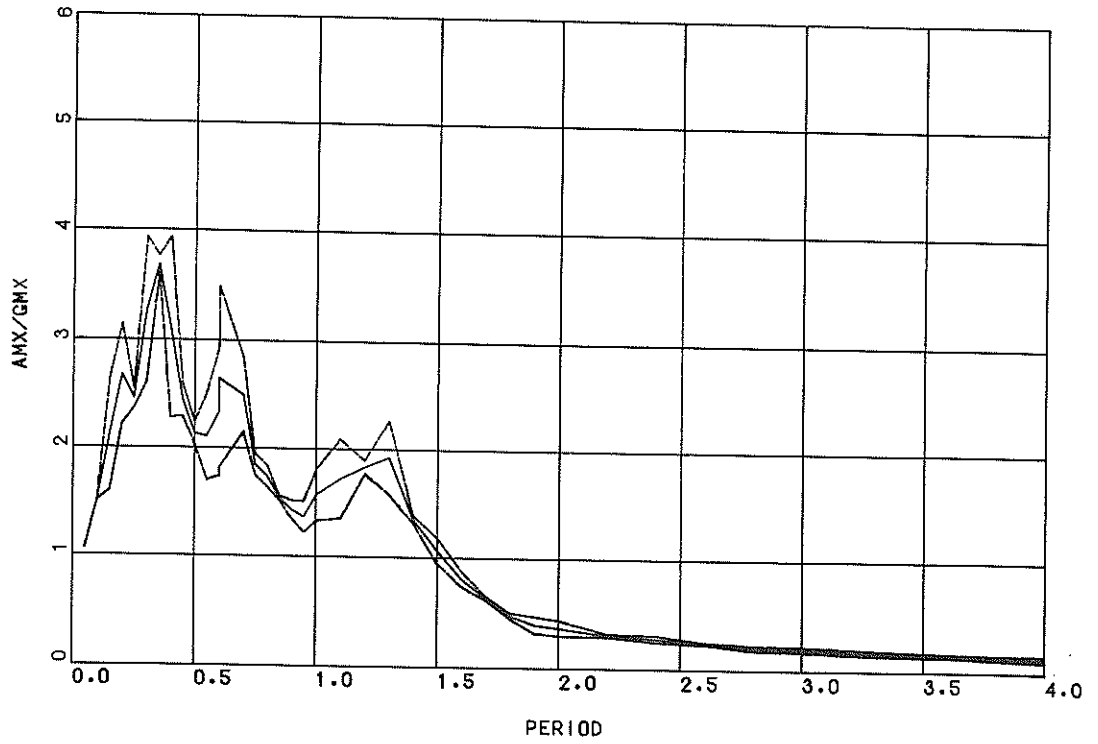
Yamashita - hen - S (h=0.05)



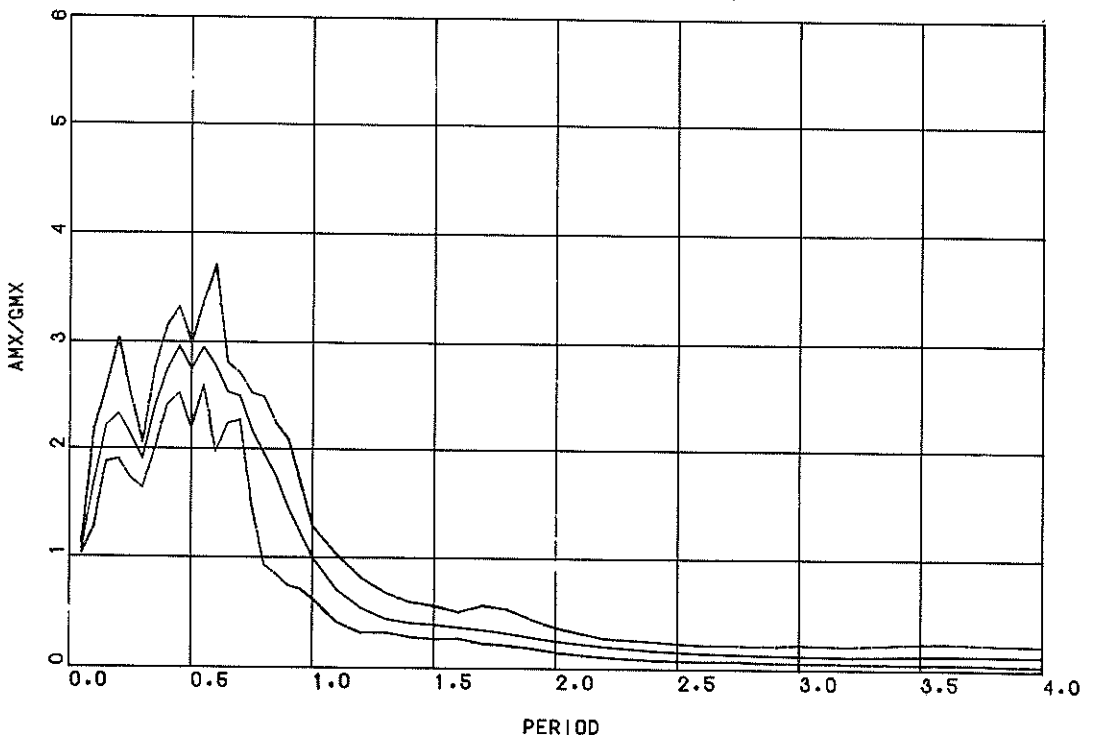
Koken - S (h=0.05)



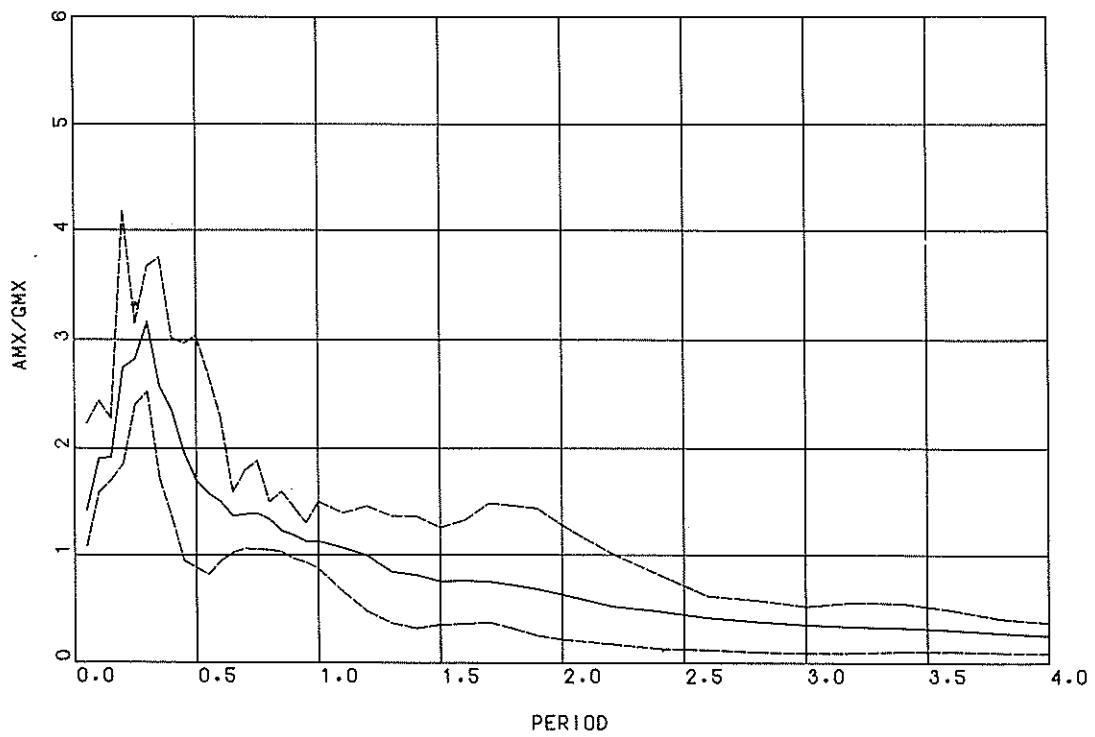
Tagonoura - S (h=0.05)



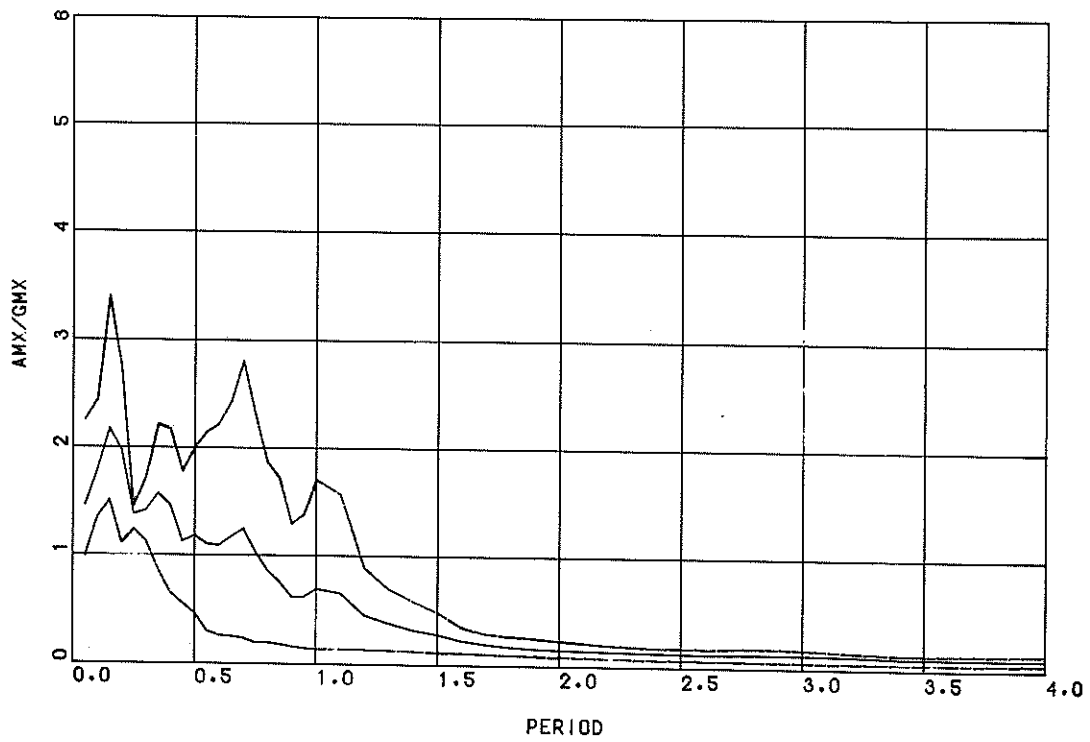
Shimizu - kojyo - S ($h=0.05$)



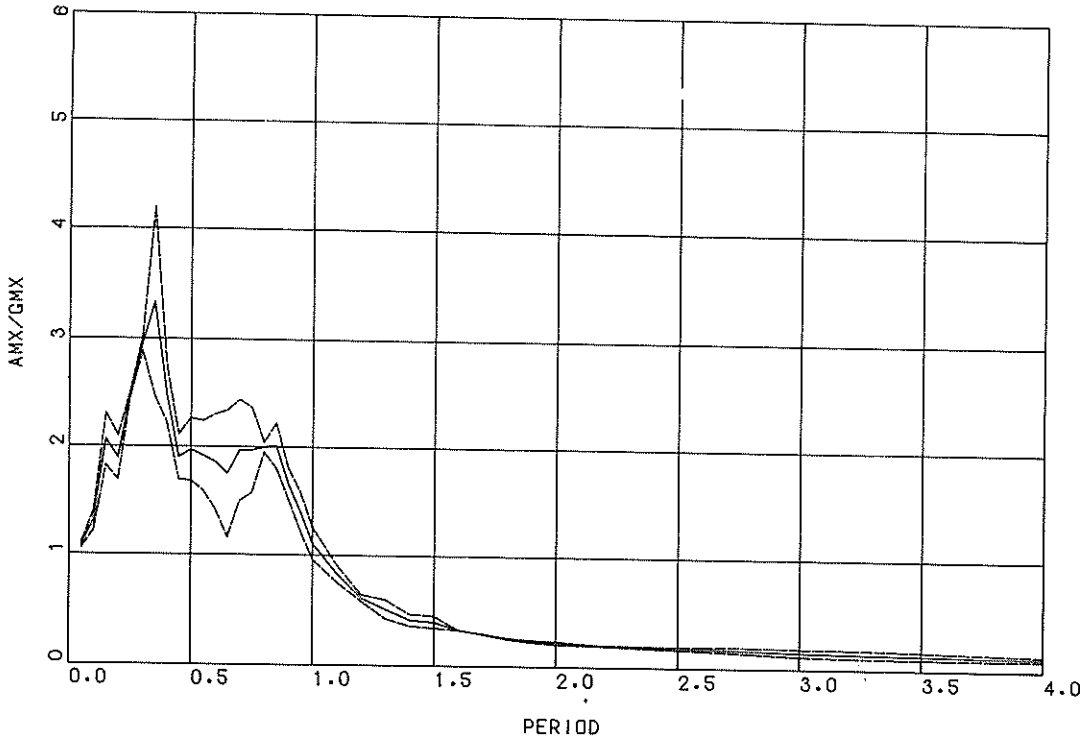
Kinuura - S ($h=0.05$)



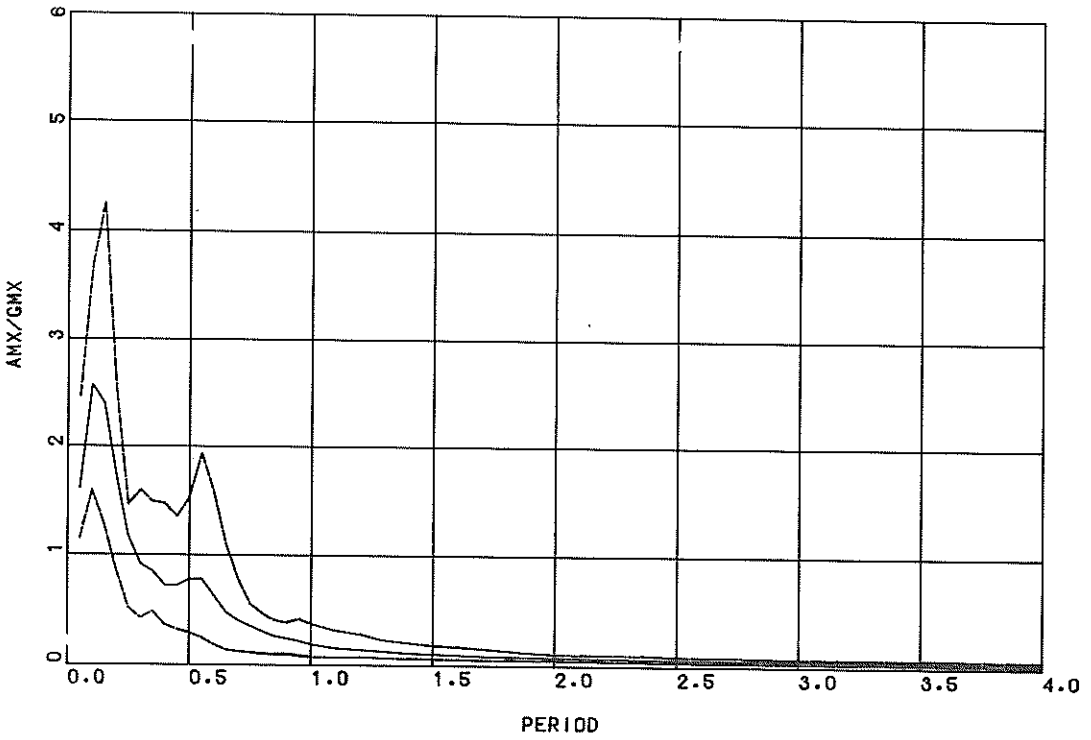
Nagoya - zokan - S (h=0.05)



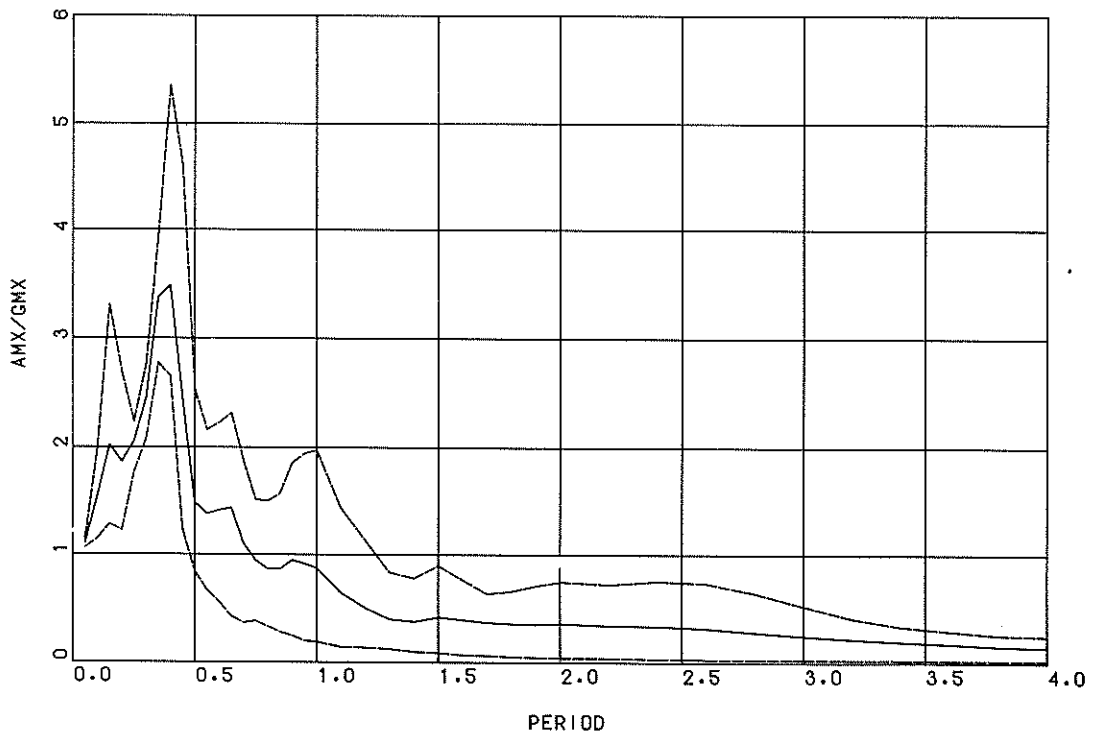
Yokkaichi - ji - S (h=0.05)



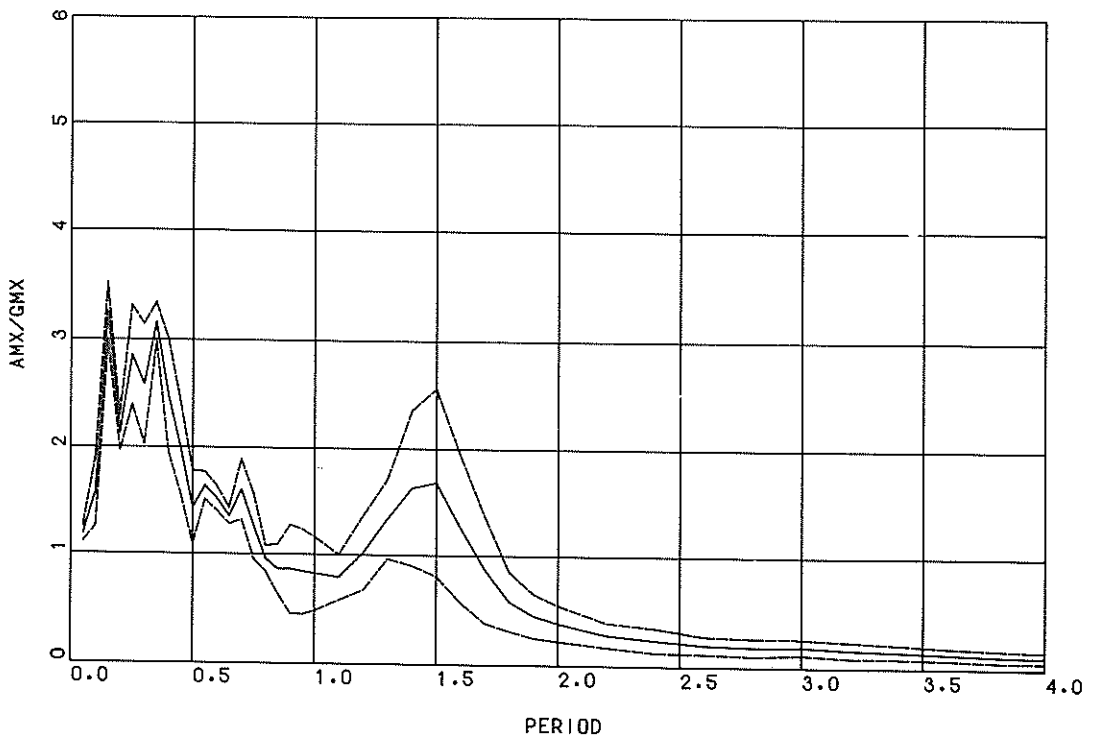
Yokkaichi - chitose - S ($h=0.05$)



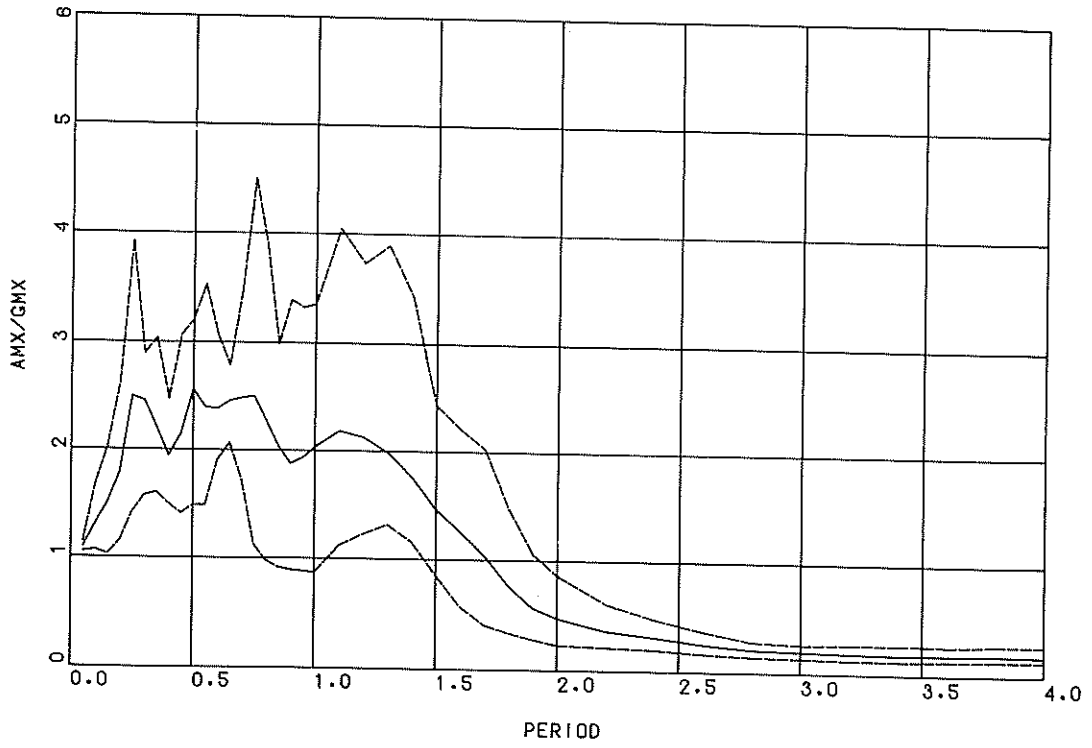
Wakayama - ji - S ($h=0.05$)



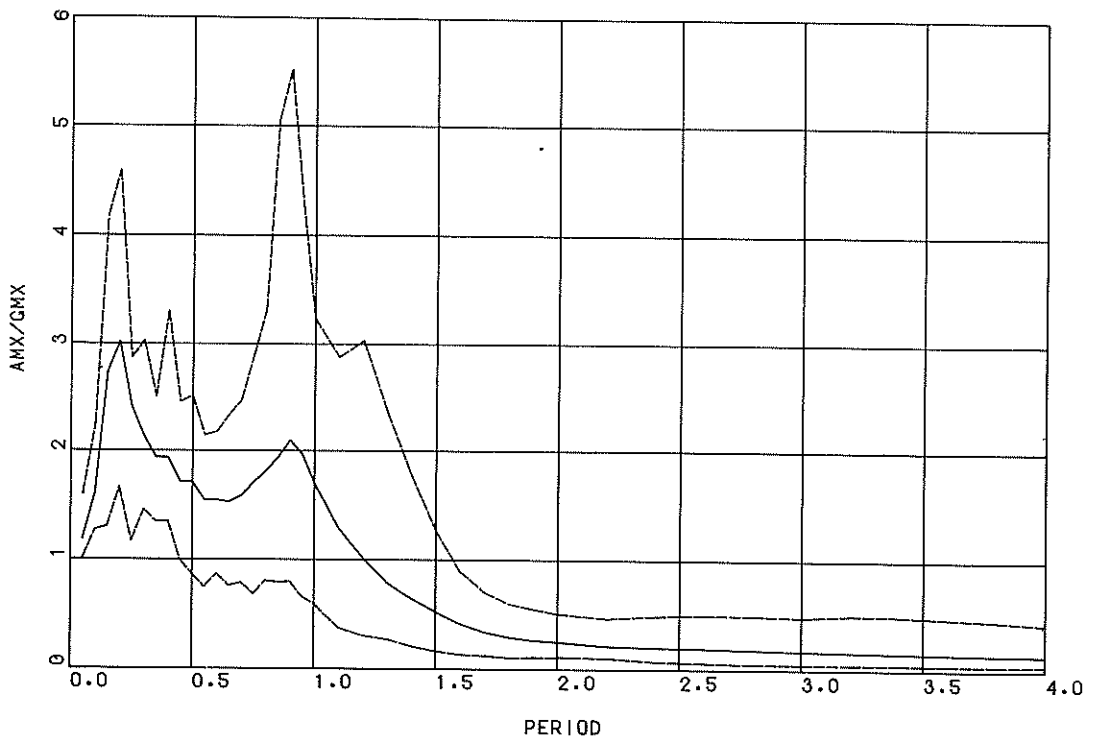
Kobe - ji - S (h=0.05)



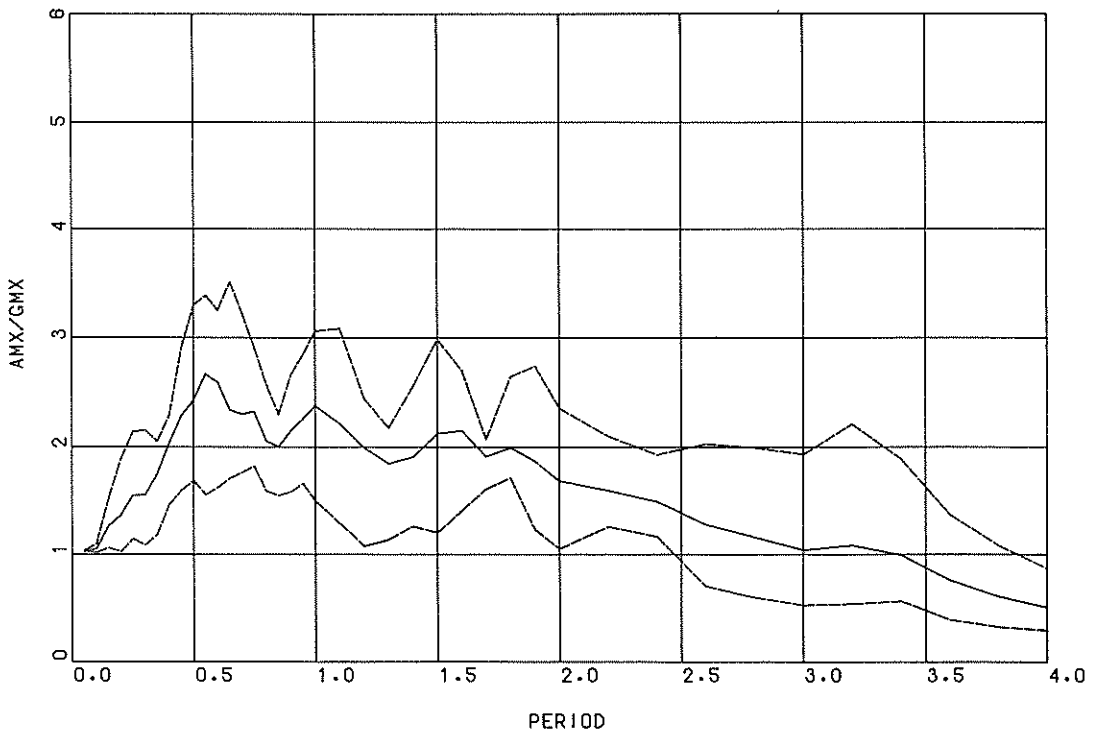
Hiroshima - S (h=0.05)



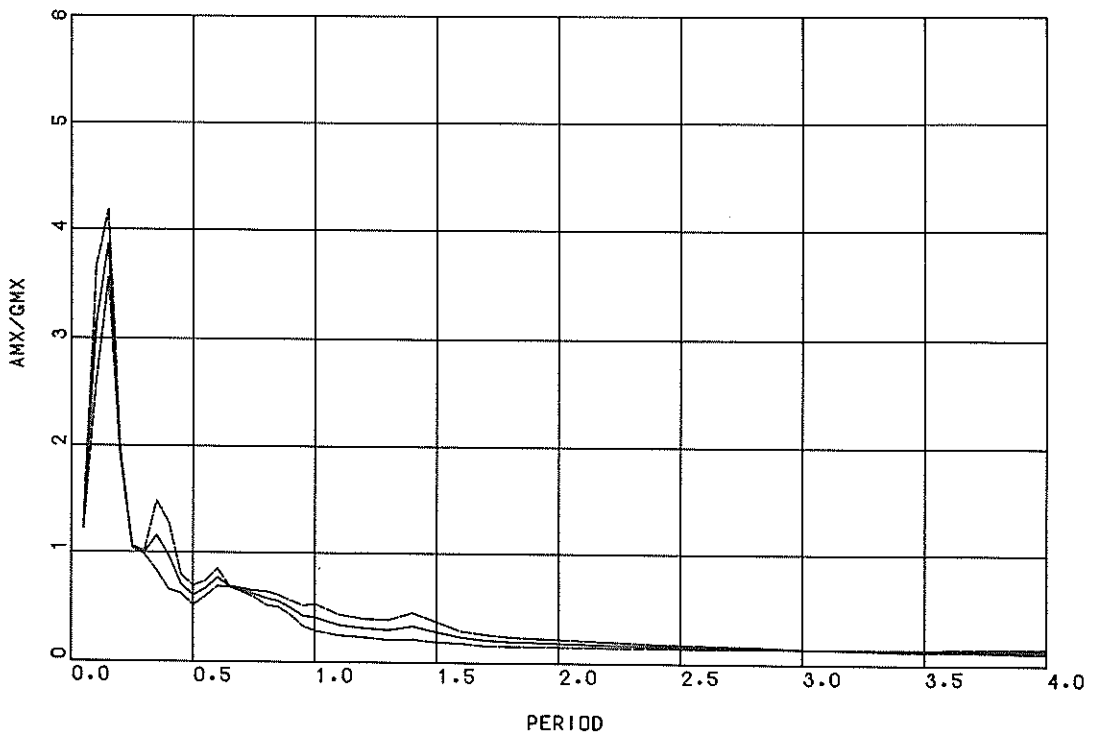
Kochi - S ($h=0.05$)



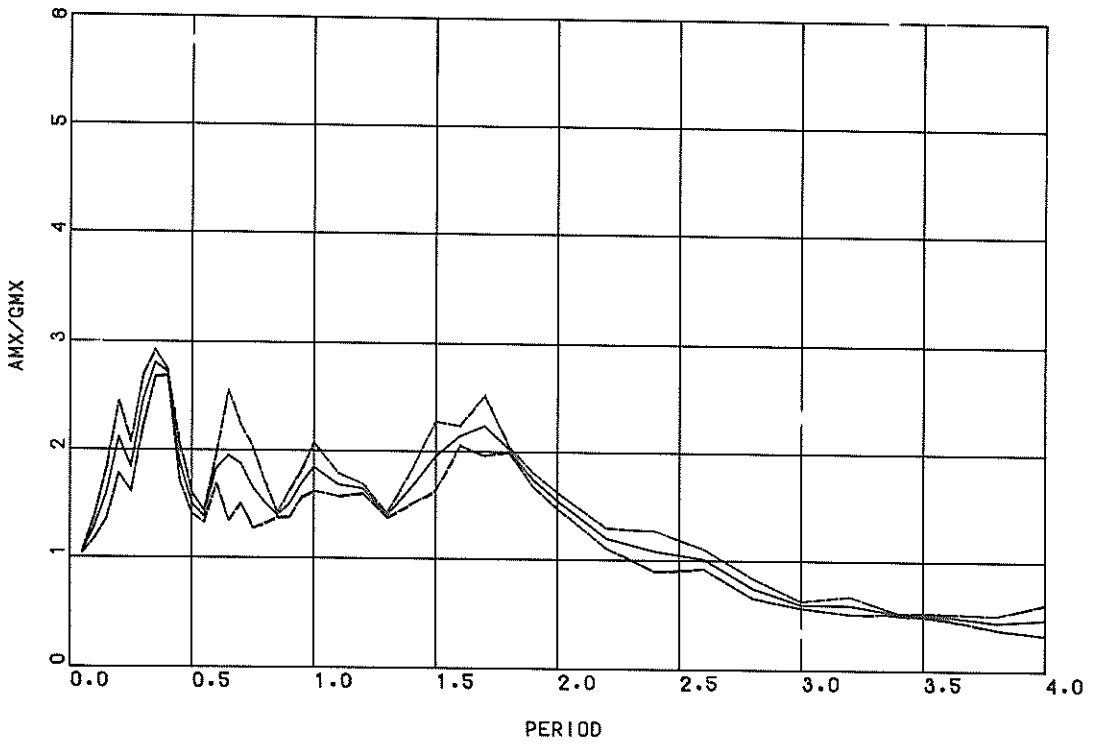
Hososhima - S ($h=0.05$)



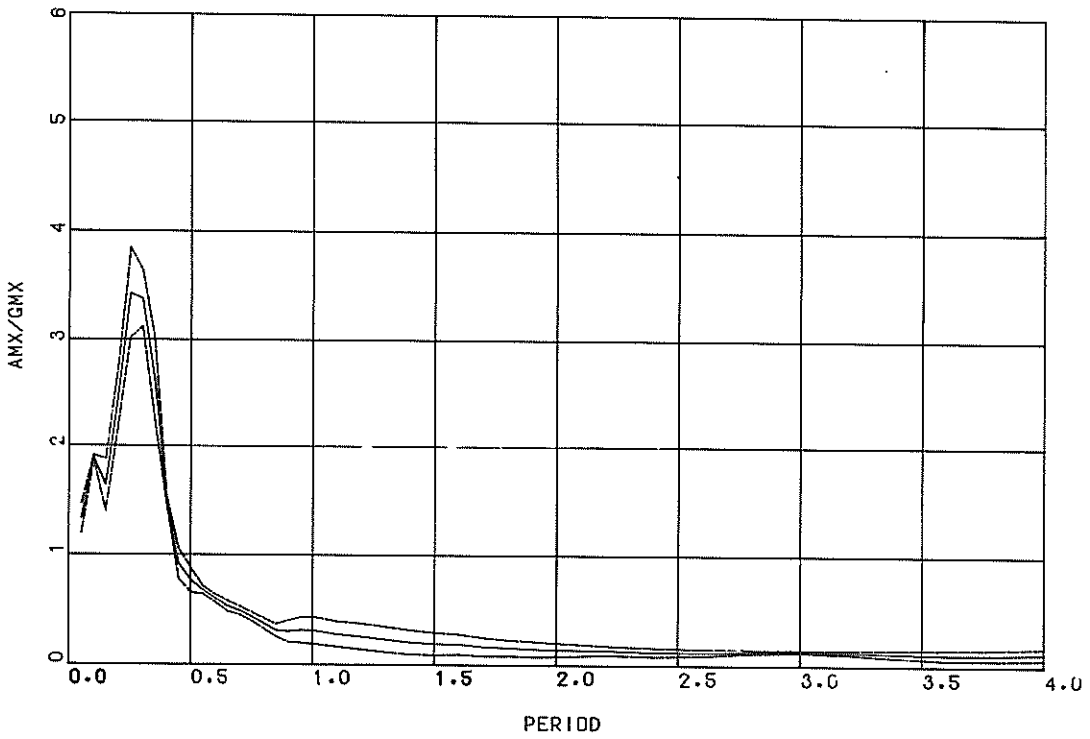
Kagoshima - S (h=0.05)



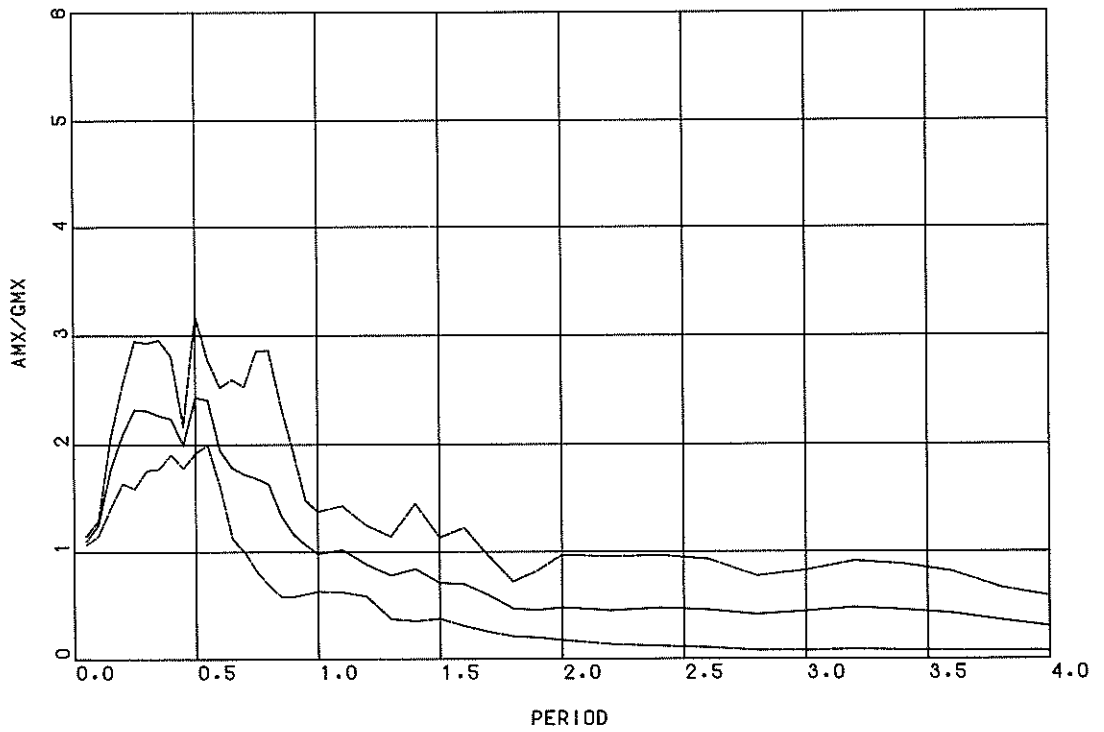
Tsuruga - S (h=0.05)



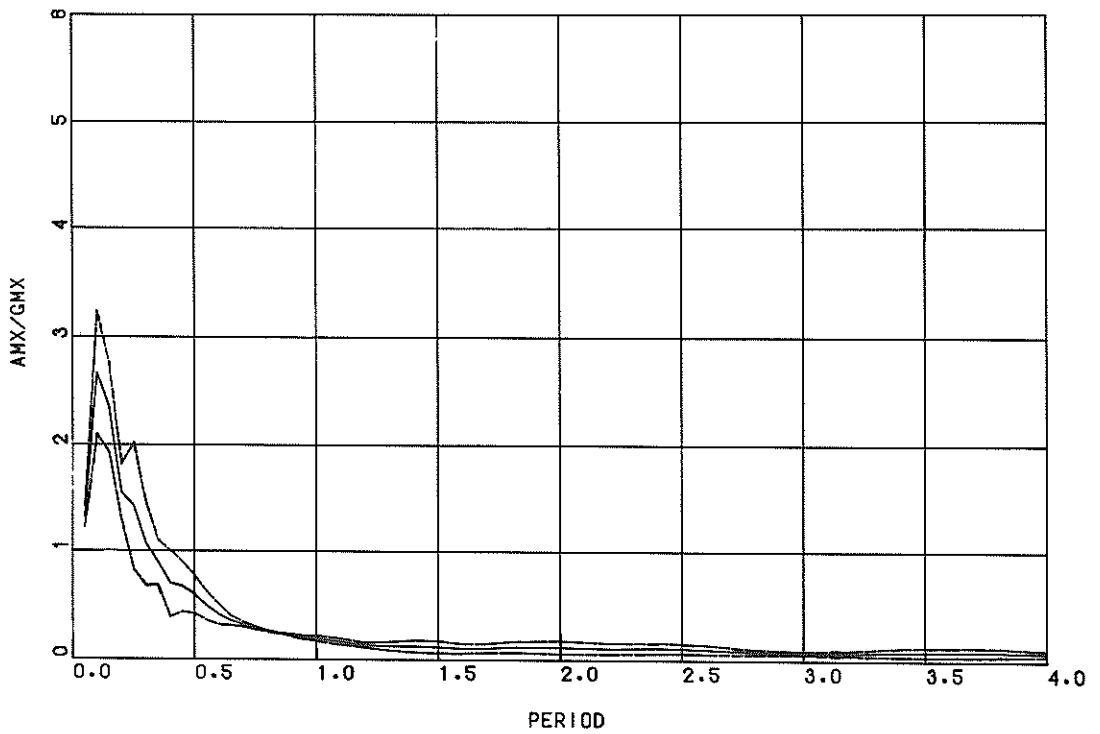
Kanazawa - S (h=0.05)



Niigata - S (h=0.05)



Sakata - S (h=0.05)



Akita - S (h=0.05)

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