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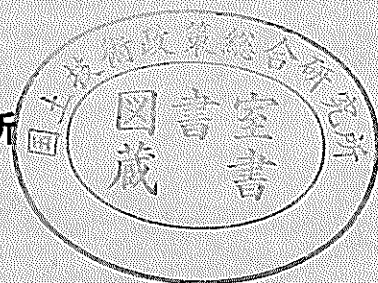
ANNUAL REPORT ON STRONG-MOTION EARTHQUAKE
RECORDS IN JAPANESE PORTS (1971)

by Eiichi Kurata, Tokuzo Ishizaka and Hajime Tsuchida

港灣地域強震觀測年報 (1971)

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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 Record

港湾地域強震観測年報 (1971)

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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45年末現在で57台の強震計が、36港に配置されていた。このうち、39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46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20 gal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る。また、地盤上における記録で最大加速度が20 gal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20~50ガルの範囲の記録については水平2成分を、50ガル以上の記録については3成分を示した。最大加速度が50ガル以上の記録と50ガル以下の記録では、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。

これまでの年報では、原記録より直接製版して印刷した記録の原寸複製を載せた。しかし、強震観測事業推進連絡会議が諸機関の観測網で得られた記録の原寸印刷を刊行するようになった。そこで、本報告では、デジタル化された記録等の利用者がそれぞれの利用目的に適した記録を選び出すときの資料として、電子計算機によりプロットしたものを示した。

最大加速度が50ガル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。

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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部分を取り出し、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取り出し、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。

港湾地域強震観測では、昭和37年度に観測を開始して以来、昭和46年末までに約660本の記録を得た。それらの主なものは、本年報に示すと同様の手法で整理解析され、刊行されている。得られた記録の本数を観測地点ごとに集計し、デジタル化されている記録とそれが刊行された港湾技研資料の番号を表(Table 4)として示した。

ANNUAL REPORT ON STRONG-MOTION EARTHQUAKE RECORDS IN JAPANESE PORTS (1971)

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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 1971, more than 660 accelerograms were accumulated and analysed in the Earthquake Resistant Structures Laboratory. The observation network consisted of 57 strong-motion accelerographs; the 39 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 1971, 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 1969, 57 accelerographs had been installed in 36 ports. Two types of accelerograph were being used, namely the SMAC-B2 accelerograph and the ERS accelerograph.

Until the end of 1971, more than 660 accelerograms had been obtained in the network and collected in the Laboratory for preliminary processing and analyses which would be explained later on. The records from 1963 to 1970 had been published in the previous annual reports which had similar format to the present one. 1, 2, 3, 4, 5, 6) 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. 7)

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 1971 are listed in the Strong-Motion Earthquake Observation Results with their maximum accelerations, except a few number of records whose earthquakes are not known and whose maximum accelerations are less than 20 gals. 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. Those of the 1968 Tokachi-Oki earthquake and its three major aftershocks are not published in the series of annual reports, since those have been published separately.

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 57 strong-motion accelerographs in 1971; 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. 8. 9)

The accelerographs at the 45 stations out of the 57 stations were the SMAC-B2 accelerographs and the rest, the ERS accelerographs. The details of both accelerographs can be seen in the previous reports. 10, 11)

(2) Servicing

The installation and the servicing of the network 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 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

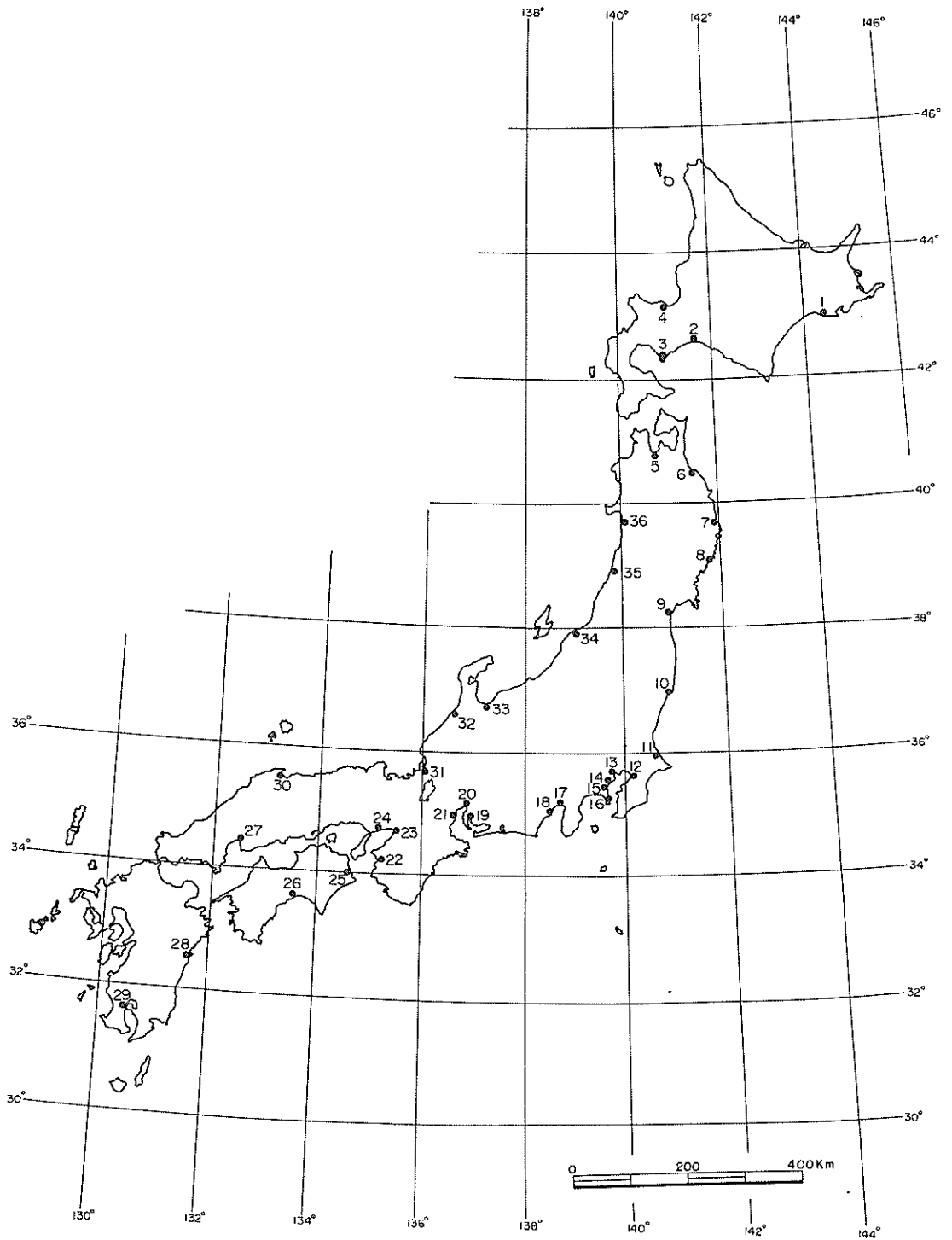


Fig. 1 Location of ports where the accelerographs are installed. (The numbers to each port are corresponding to the numbers in Table 1.)

Table I 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
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
10	Onahama	Onahama-S	SMAC-B2	on ground	34
11	Kashima	Kashima-S	SMAC-B2	on ground	34
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
		Okitsu-S	SMAC-B2	on ground	34
		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
		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-S	ERS-B	on structure	34
		Yokkaichi-dai2-M	ERS-B	on structure	34
22	Wakayama	Wakayama-ji-S	SMAC-B2	on ground	34
23	Osaka	Osaka-ji-S	SMAC-B2	on ground	34
		Osaka-chuo-S	SMAC-B2	on structure	34
24	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
25	Komatsujima	Komatsujima-S	SMAC-B2	on ground	107
26	Kochi	Kochi-S	SMAC-B2	on ground	34
27	Hiroshima	Hiroshima-S	SMAC-B2	on ground	34
28	Hososhima	Hososhima-S	SMAC-B2	on ground	34
29	Kagoshima	Kagoshima-S	SMAC-B2	on ground	34
30	Sakaiminato	Sakaiminato-S	SMAC-B2	on ground	34
31	Tsuruga	Tsuruga-S	SMAC-B2	on ground	34
32	Kanazawa	Kanazawa-S	SMAC-B2	on ground	107
33	Toyama	Toyama-S	SMAC-B2	on ground	34
34	Niigata	Niigata-S	SMAC-B2	on ground	34
35	Sakata	Sakata-S	SMAC-B2	on ground	34
36	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.

accelerographs. They also attend introductory lectures to the earthquake engineering by the instructors inside and outside of the Institute.

(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. 8, 9)

(4) Accelerographs

Two types of accelerograph are being used in the network, they are the SMAC-B2 accelerograph and the ERS accelerograph. The ERS accelerograph consists of two electromagnetic transducers equipped horizontally and a recording device. There are two models on the ERS accelerograph; the ERS-A accelerograph has a magnetic tape data recorder and the ERS-B an electro-magnetic oscillograph. They were developed by the Earthquake Resistant Structures Laboratory. The details of the SMAC-B2 and the ERS-A accelerographs were reported in the separate reports. 10, 11)

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.

(5) Foundation and Housing

All the 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 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. 2. 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.

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 pre-fabricated houses. In Photo 1, as an example, the housing of the Ofunado-bo-chi-S station is shown.

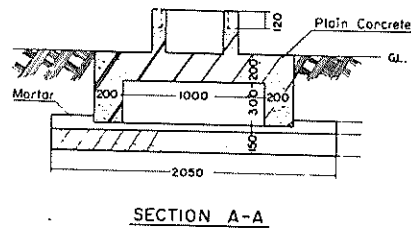
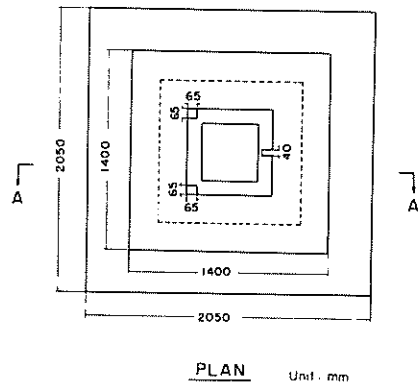


Fig. 2 Foundation for Accelerograph (SMAC-B2)

3. Accelerogram Processing

(1) Preliminary Processing

The accelerograms collected at the Earthquake Resistant Structures Laboratory are listed in the tables "Strong-Motion Earthquake Observation Results", through the following processing.



Photo 1 Housing of Ofunato-bo-chi-S

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. 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.

A direct copy is made from the original accelerogram and 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 table are based upon the Seismological Bulletin of the Japan Meteorological Agency. 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 2.

Table 2 Classification of Earthquakes (After Ref. 12)

Remarkable earthquake:

Distance of furthest point where shock is felt, is greater than 300km.

Moderate earthquake:

The distance is smaller than 300km, but greater than 200km.

Earthquake of small felt area:

The distance is smaller than 200km, but greater than 100km.

Local earthquake:

The distance is smaller than 100km.

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

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

where, M is the magnitude; A_N and A_E 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 3.

Table 3 JMA Seismic Intensity Scale (After Ref. 12)

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. 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. 13) 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.

5. Digitized Record

The Earthquake Resistant Structures Laboratory intends to digitize all the accelerograms with maximum acceleration larger than 20 gals in the following procedure. As all of the digitized records in this report were obtained on the SMAC-B2 accelerograph, the procedure only for the accelerograms from the SMAC-B2 accelerograph will be described.

The direct copy of the accelerogram is made with the special photographic film whose base is stable against temperature and humidity. On the copy, the trace is black line and the background is semi-transparent. If the significant portion of the record is longer than 60 cm, the copy will be two sheets or more; more than 10 cm of the record on the both sides of the sheet is overlapping in the successive sheets.

With this copy, the record is digitized at equal time intervals of 0.01 second with an accelerogram digitizer as shown in Photo 2, which was designed especially for digitizing the accelerogram obtained on the SMAC-B2 accelerograph. If the portion to be digitized is longer than about 30 cm, the copy must be shifted on the table of the digitizer.

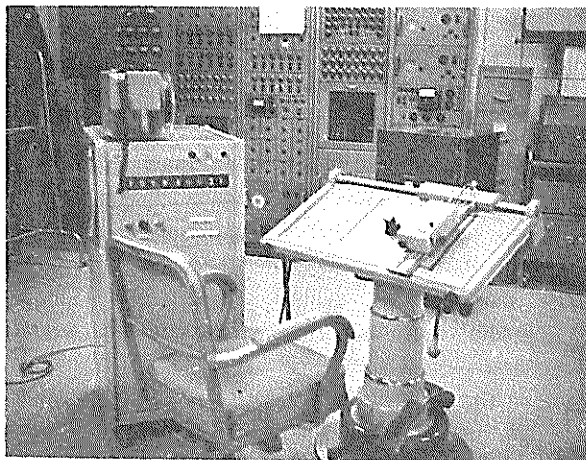


Photo 2 Accelerogram Digitizer

The acceleration is digitized in a rectangular co-ordinates and perforated on paper tape in the flexo writer code. Then the values are again perforated on paper tape in special code with a digital computer and converted into analog electronic voltage with a digital-analog converter. The output from the converter is recorded by an ink-writing oscillograph in appropriate amplitude. Then, the record is carefully examined whether any fault in the digitizing or in the base-line setting exists or not. If there is any fault, it is corrected in the digital computer. As the pen of the SMAC-B2 accelerograph moves along an arc and the

record is digitized in a rectangular co-ordinates, the arc error introduced in the digitizing in time values is corrected at the same time. The acceleration values are not corrected since the sensitivity of the SMAC-B2 accelerograph is the ratio of the acceleration 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 records obtained by the ERS-A accelerograph are always digitized at equal time intervals with an analog-digital converter and it is convenient to have digitized records in one standard form for application of them. The digitized record at equal time intervals is also convenient for converting them with a digital-analog converter into analog electronic voltage which is used as an input to an analog computer.

The final results are printed on paper as seen in the last part of this report and also written on a magnetic tape for future use.

6. 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. 14) 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:

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

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

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

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

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_m and b_m are calculated on the most significant part of the records. The resultant c_m of the two coefficients are plotted in the figures which will appear in the later part of this report. The coefficient c_m 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.

7. Summary of Observation

Since 1962, more than 660 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 4, a statistical summary of the records from the SMAC-B2 accelerographs is given. In the table, record numbers of accelerograms of which the digitized records and the spectra have been 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 and to study effects of vertical ground motions to stability of rigid structures during earthquakes. 15, 16)

Table 4 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	20	8	3	S-98(No. 62), S-369(No. 98)
Tomakomai-S	3	2	0	
Muroran-S	23	5	2	S-234(No. 80), S-241(No. 80), S-399(No. 80)
Otaru-S	6	0	0	
Aomori-S	9	4	2	S-235(No. 80), S-264(No. 80), S-304(No. 80)
Hachinohe-S	83	7	1	S-400(No. 80)
Miyako-S	13	11	7	S-252(No. 80), S-310(No. 80), S-401(No. 80)
Ofunado-bo-chi-S	1	1	1	S-236(No. 80), S-271(No. 80), S-312(No. 80)
Ofunado-bo-S	29	7	6	S-273(No. 98), S-420(No. 98), S-537(No. 116)
Shiogama-kojyo-S	0	0	0	S-554(No. 116)
Onahama-S	36	4	1	S-111(No. 62)
Kashima-S	28	9	3	S-196(No. 64)
Chiba-S	10	0	0	
Shinagawa-S	12	3	2	S-192(No. 64), S-340(No. 98)
Keihin-ji-S	43	4	0	
Yamashita-hen-S	55	5	1	S-412(No. 98)
Yamashita-dai6-S	35	2	1	
Koken-S	6	0	0	
Tagonoura-S	5	1	0	
Okitsu-S	4	0	0	
Shimizu-kojyo-S	9	1	1	S-74(No. 62)
Shimizu-sekitan-S	3	1	1	
Kinuura-S	3	2	2	S-480(No. 100)
Nagoya-zokan-S	13	3	1	S-1(No. 55), S-20(No. 55)
Nagoya-inae-S	4	3	0	
Yokkaichi-chitose-S	2	2	1	
Wakayama-ji-S	11	4	2	S-187(No. 64), S-265(No. 98), S-266(No. 98)
Osaka-ji-S	4	0	0	
Osaka-chuo-S	5	1	0	
Kobe-ji-S	5	2	0	
Kobe-dai6-S	6	1	0	
Kobe-dai8-S	7	0	0	
Komatsujima-S	3	0	0	
Kochi-S	15	3	1	S-211(No. 98)
Hiroshima-S	4	2	2	S-364(No. 98)
Hososhima-S	24	5	4	S-213(No. 98), S-453(No. 100), S-544(No. 116)
				S-545(No. 116)
Kagoshima-S	18	2	0	
Sakaiminato-S	0	0	0	
Tsuruga-S	10	0	0	
Kanazawa-S	4	1	0	
Toyama-S	0	0	0	
Niigata-S	8	1	0	S-107(No. 62)
Sakata-S	9	2	0	
Akita-S	11	2	0	
Ofunado-S	22	3	2	S-140(No. 64), S-282(No. 98), S-361(No. 98)
Shiogama-S	21	1	0	S-138(No. 64)
Yokkaichi-ji-S	5	2	0	S-166(No. 64)

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

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Observation Results
and
Preliminary Analyses

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	19:11 January 3, 1971	Intensities
Location of Hypocenter		III Mishima
Epicentral Region	S Off Izu Pen.	II Tokyo Shizuoka
Latitude	33.6°N	I Nagoya Yokohama
Longitude	138.7°E	
Depth	50 km	
Class	Moderate	
Magnitude	5.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Tagonoura-S	on ground	S-580	4	6	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	06:09 January 5, 1971	Intensities
Location of Hypocenter		IV Nagoya Yokaichi
Epicentral Region	Off Coast of Aichi Pref.	III Tsuruga Osaka
Latitude	34.4°N	II Tokyo Sizuoka
Longitude	137.2°E	I Kobe Wakayama Kochi
Depth	40 km	Kanazawa Toyama Yokohama
Class	Pemarkable	
Magnitude	6.1	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Yokka-chitose-S	on ground	S-577	84	78	33	
Nagoya zokan-S	on ground	S-578	45	60	16	
Nagoya-inae-S	on structure	S-579	43	36	28	
Tagonoura-S	on ground	S-581	--	11	3	
Wakayama-ji-S	on ground	S-582	8	8	3	
Shimizu-Kojoyo-S	on ground	S-583	9	11	3	
Okitsu-S	on ground	S-584	2	2	1	
Kinuura-S	on ground	S-585	81	76	23	
Osaka-ji-S	on ground	S-586	13	12	4	
Tsuruga-S	on ground	S-590	16	18	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	15:04 January 6, 1971	Intensities
Location of Hypocenter		IV Mito
Epicentral Region	Off Ibaraki Pref.	III Chiyosi Chiba Onahama
Latitude	36.4°N	II Tokyo
Longitude	141.2°E	I Ofunado Miyako Yokohama
Depth	40 km	
Class	Remarkable	
Magnitude	5.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kashima-S	on ground	S-588	26	48	6	
Chiba-S	on ground	S-591	3	3	1	
Onahama-S	on ground	S-598	20	31	9	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	02:40 January 7, 1971	Intensities
Location of Hypocenter		III Tokyo
Epicentral Region	Northern Chiba Pref.	II Oshima
Latitude	35.7°N	I Yokohama Choshi
Longitude	140.3°E	
Depth	80 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-587	2	3	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	01:43 January 30, 1971	Intensities IV Hachinohe III Miyako II Ofunado Aomori I Akita
Location of Hypocenter		
Epicentral Region	Coast of Iwate Pref.	
Latitude	40.3°N	
Longitude	141.8°E	
Depth	50 km	
Class	Moderate	
Magnitude	5.2	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hachinohe-S	on ground	S-592	13	9	6	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	18:44 February 9, 1971	Intensities II Hachiojima I Yokohama Tokyo
Location of Hypocenter		
Epicentral Region	E Off Miyakejima.	
Latitude	34.1°N	
Longitude	140.2°E	
Depth	40 km	
Class	Small felt area	
Magnitude	4.7	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kashima-S	on ground	S-593	--	4	1	
Yamashita-hen-S	on ground	S-595	2	-	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	04:27 February 26, 1971	Intensities IV Takada III Niigata II Matushiro I Tokyo Yokohama Onahama
Location of Hypocenter		
Epicentral Region	SW Niigata Pref.	
Latitude	37.1°N	
Longitude	138.4°E	
Depth	0	
Class	Moderate	
Magnitude	5.5	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Niigata-S	on ground	S-594	4	3	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	07:18 March 22, 1971	Intensities III Nagoya Yokaichi II Tsuruga I Osaka
Location of Hypocenter		
Epicentral Region	Northern Aichi Pref.	
Latitude	35.1°N	
Longitude	137.1°E	
Depth	40 km	
Class	Small felt area	
Magnitude	4.9	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kinuura-S	on ground	S-596	8	9	4	
Yokka-chitose-S	on ground	S-597	35	20	8	
Tsuruga-S	on ground	S-600	3	2	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	22:00 May 25, 1971	Intensities
Location of Hypocenter		IV Miyazaki Kagoshima Aburatsu
Epicentral Region	SE Off Miyazaki Pref.	Shiyakono
Latitude	31.3°N	III Hitoyoshi
Longitude	131.5°E	II Kumamoto Tanegashima
Depth	0	I Asosan Oita Nobeoka
Class	Moderate	
Magnitude	5.8	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kagoshima-S	on ground	S-602	8	4	5	
Hososhima-S	on ground	S-604	9	9	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	15:13 May 26, 1971	Intensities
Location of Hypocenter		IV Kagoshima Aburatsu
Epicentral Region	SE Off Miyazaki Pref.	III Miyazaki Hitoyoshi Shiyakono
Latitude	31.2°N	II Tanegashima
Longitude	131.7°E	I Asosan Oita
Depth	40 km	
Class	Moderate	
Magnitude	5.6	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Kagoshima-S	on ground	S-603	9	6	5	
Hososhima-S	on ground	S-605	6	5	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	17:52 May 29, 1971	Intensities
Location of Hypocenter		IV Mivazaki
Epicentral Region	SE Off Mivazaki Pref.	III Kagoshima
Latitude	31.1°N	II Kumamoto Oita Nobeoka
Longitude	131.7°E	I Asosan Tanegashima Saga
Depth	20 km	
Class	Moderate	
Magnitude	5.8	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Hososhima-S	on ground	S-606	16	11	6	
Kagoshima-S	on ground	S-607	5	3	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	13:06 June 13, 1971	Intensities
Location of Hypocenter		III Chiba Mito Chivoshi
Epicentral Region	Off Ibaraki Pref.	II Fukushima Chichibu Utsunomiya Shirakawa
Latitude	36.2°N	I Tokyo Sendai Onahama Oshima Yokohama
Longitude	141.0°E	
Depth	40 km	
Class	Moderate	
Magnitude	5.3	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Keihin-ji-S	on ground	S-611	3	--	--	
Kashima-S	on ground	S-612	40	51	20	
Chiba-S	on ground	S-613	6	9	--	
Onahama-S	on ground	S-637	4	5	3	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	07:57 June 21, 1971	Intensities
Location of Hypocenter		III Utsunomiya Mito
Epicentral Region	SW Ibaraki Pref.	II Chiba Onahama
Latitude	36.2°N	I Tokyo Chiyoshi Yokohama
Longitude	140.0°E	
Depth	60 km	
Class	Moderate	
Magnitude	4.9	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Onahama-S	on ground	S-638	4	13	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	09:38 July 5, 1971	Intensities
Location of Hypocenter		III Chiba
Epicentral Region	E Off Chiba Pref.	II Choshi Katsuura
Latitude	35.4°N	I Mito Utsunomiya
Longitude	140.5°E	
Depth	10 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	
Chiba-S	on ground	S-617	9	3	9	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	07:07 July 23, 1971	Intensities III Koufu Yokohama Chichibu Chiba II Tokyo Kumagaya Shizuoka Maebashi Utsunomiya Mishima Oshima I Mito Onahama Karuizawa Shirakawa
Location of Hypocenter		
Epicentral Region	Eastern Yamanashi Pref.	
Latitude	35.6°N	
Longitude	139.0°E	
Depth	10 km	
Class	Moderate	
Magnitude	5.3	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Koken-S	on ground	S-618	--	3	3	
Kashima-S	on ground	S-619	3	1	1	
Chiba-S	on ground	S-622	5	3	4	
Taponoura-S	on ground	S-630	6	6	8	
Yamashita-hen-S	on ground	S-620	31	41	6	
Keihin-ji-S	on ground	S-621	35	20	6	
Yamashita-dai7-M	on structure	M-16	--	--	--	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	08:08 July 27, 1971	Intensities III Tokyo Mito II Utsunomiya Kumagaya I Maebashi Choushi Onahama
Location of Hypocenter		
Epicentral Region	Southern Ibaraki Pref.	
Latitude	35.9°N	
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	
Kashima-S	on ground	S-623	3	4	1	
Keihin-ji-S	on ground	S-624	3	4	1	
Chiba-S	on ground	S-625	4	3	1	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	16:25 August 2, 1971	Intensities
Location of Hypocenter		V Urakawa
Epicentral Region	Off Erimomisaki.	IV Kushiro Hachinohe Muroran
Latitude	41.3°N	III Satsumoro Tomakomai Ofunado
Longitude	143.7°E	Otaru Onahama Aomori
Depth	60 km	II Tokyo Yokohama
Class	Remarkable	I Matsushiro Choushi
Magnitude	7.0	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Muroran-S	on ground	S-627	28	38	8	
Aomori-S	on ground	S-628	--	--	--	
Hachinohe-S	on ground	S-629	30	28	--	
Otaru-S	on ground	S-632	8	9	3	
Tomakomai-S	on ground	S-633	25	28	9	
Kushiro-S	on ground	S-634	63	64	21	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	19:16 October 11, 1971	Intensities
Location of Hypocenter		IV Choushi
Epicentral Region	Northern Chiba Pref.	III Mito Chiba
Latitude	35.9°N	II Tokyo Onahama
Longitude	140.5°E	I Katsuura Utsunomiya
Depth	40 km	
Class	Moderate	
Magnitude	5.2	

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Yamashita-hen-S	on ground	S-643	1	1	1	
Chiba-S	on ground	S-644	1	2	1	
Onahama-S	on ground	S-646	5	3	1	
Kashima-S	on ground	S-647	28	116	13	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

EARTHQUAKE DATA

Date and Time	19:20 November 11, 1971	Intensities III Obihiro Urakawa II Otaru Hachinohe I Muroran Aomori
Location of Hypocenter		
Epicentral Region	Off Urakawa.	
Latitude	42.0°N	
Longitude	142.0°E	
Depth	60 km	
Class	Moderate	
Magnitude		

STRONG-MOTION ACCELEROGRAPH RESULTS

Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	
Muroran-S	on ground	S-636	5	5	2	

STRONG-MOTION EARTHQUAKE OBSERVATION RESULTS

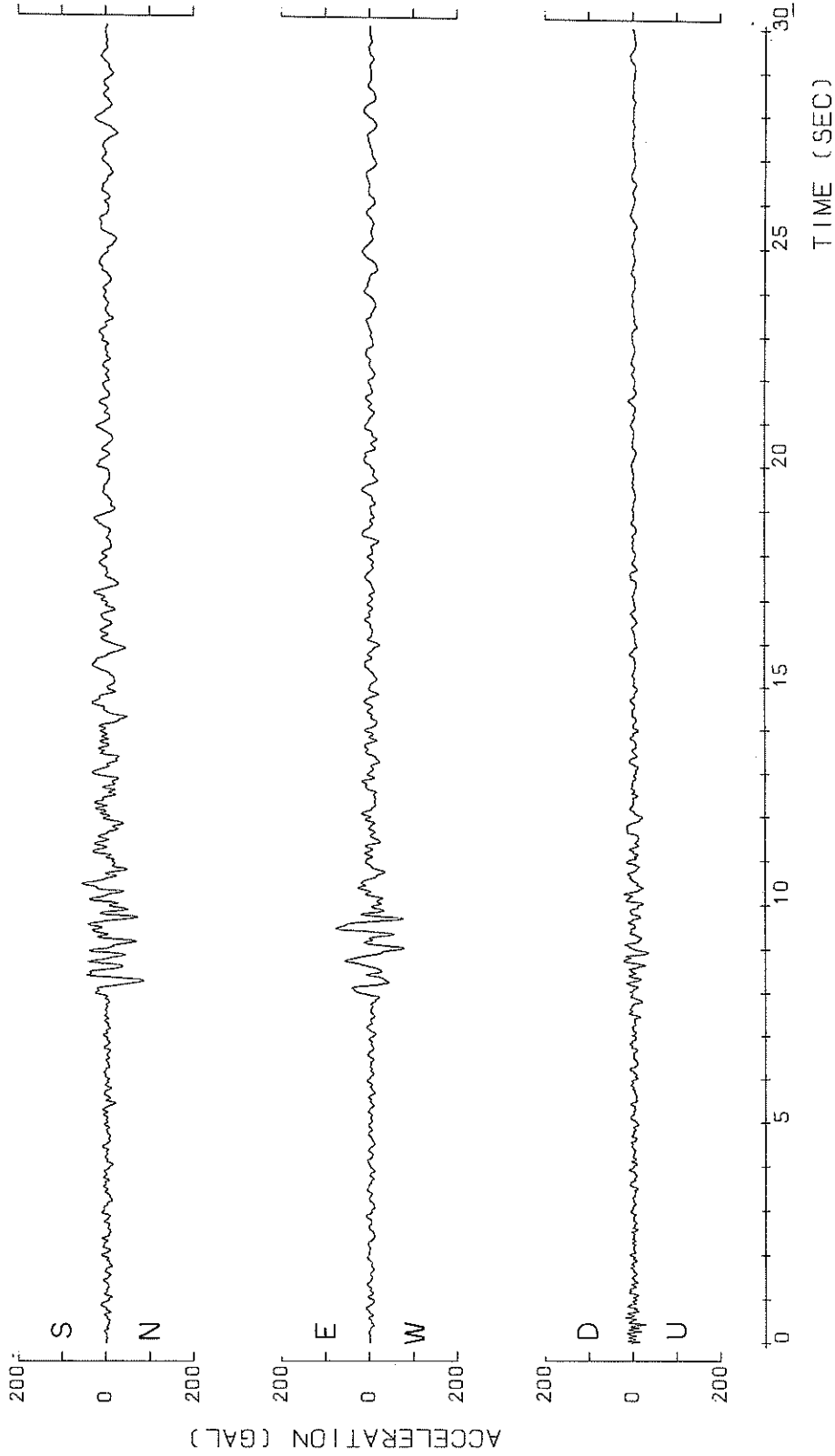
EARTHQUAKE DATA

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

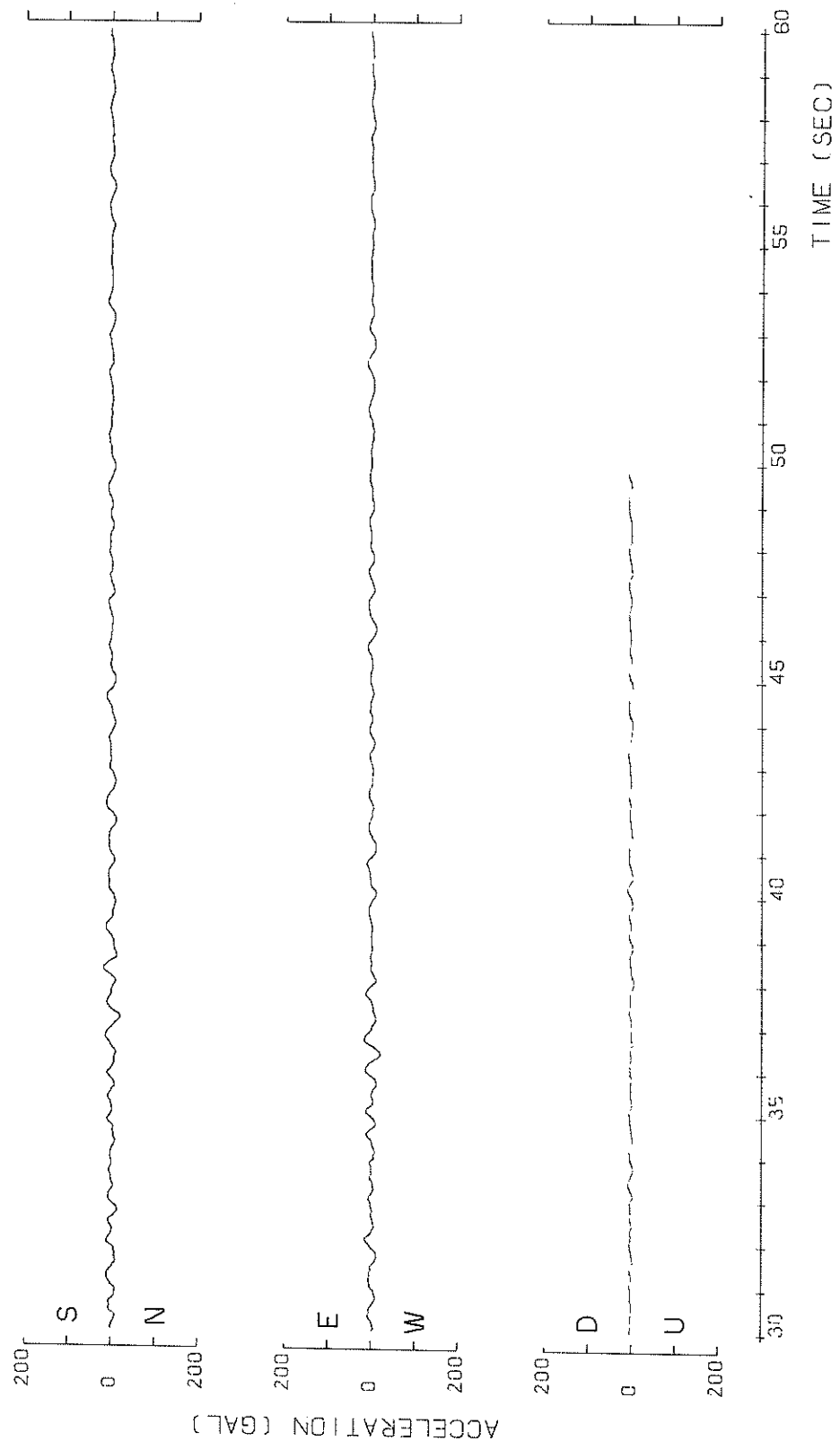
STRONG-MOTION ACCELEROGRAPH RESULTS

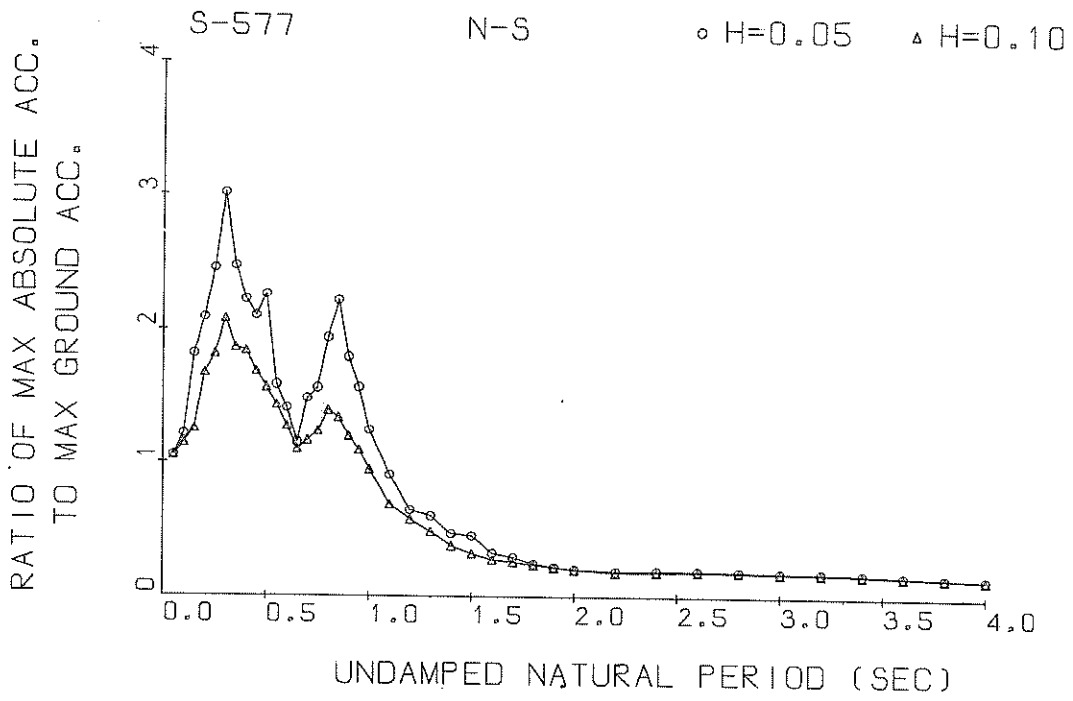
Station		Record Number	Max. Acceleration (gal)			Note
Abbreviated Name	Installation Condition		NS	EW	UD	

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

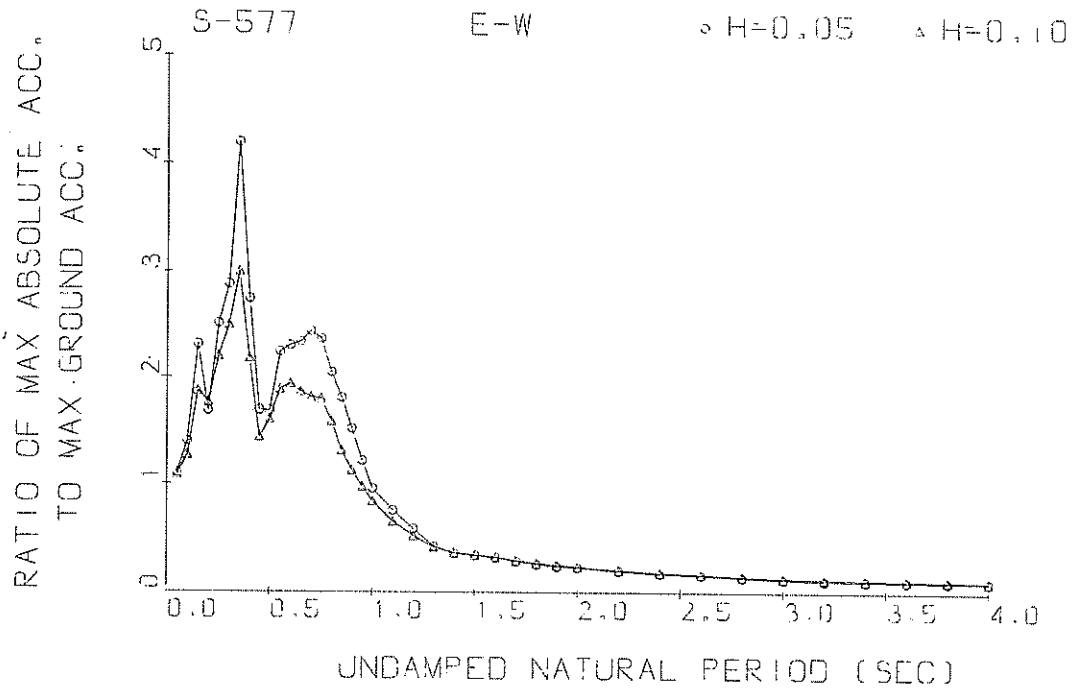


S-577 Y. CHITOSE-S 1971-01-05-06-09

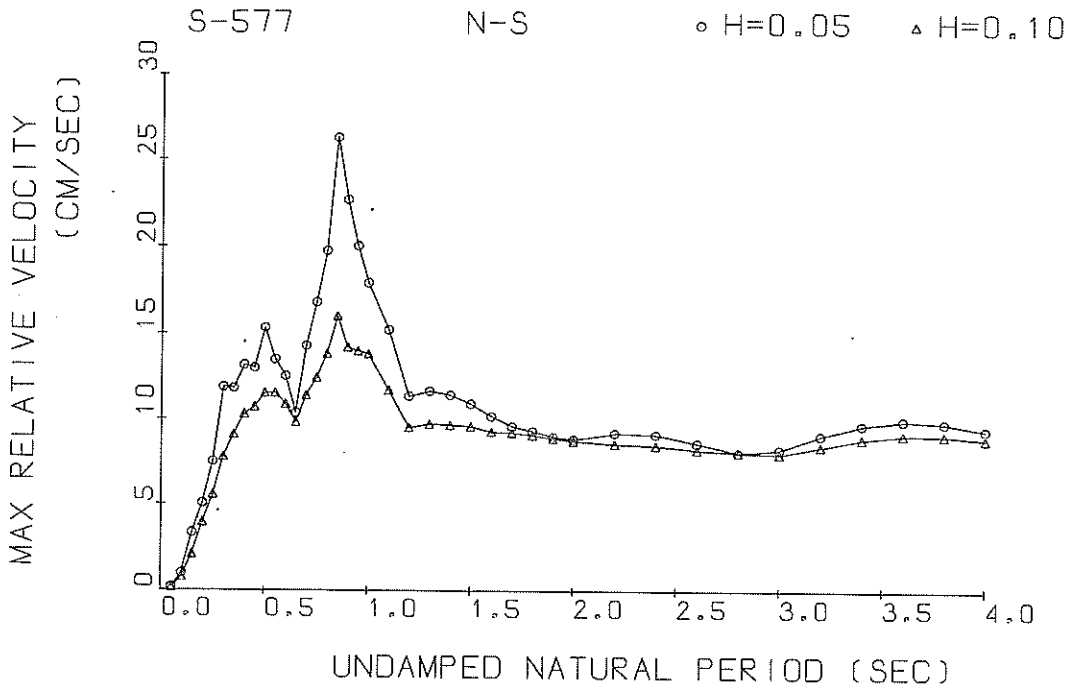




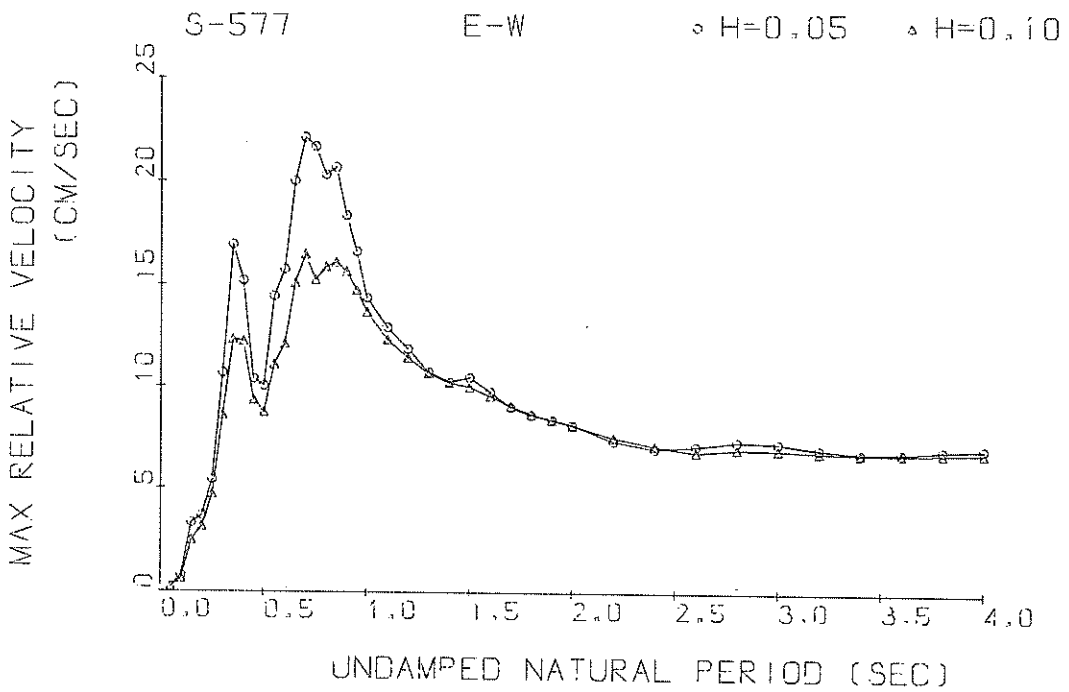
Response Spectra



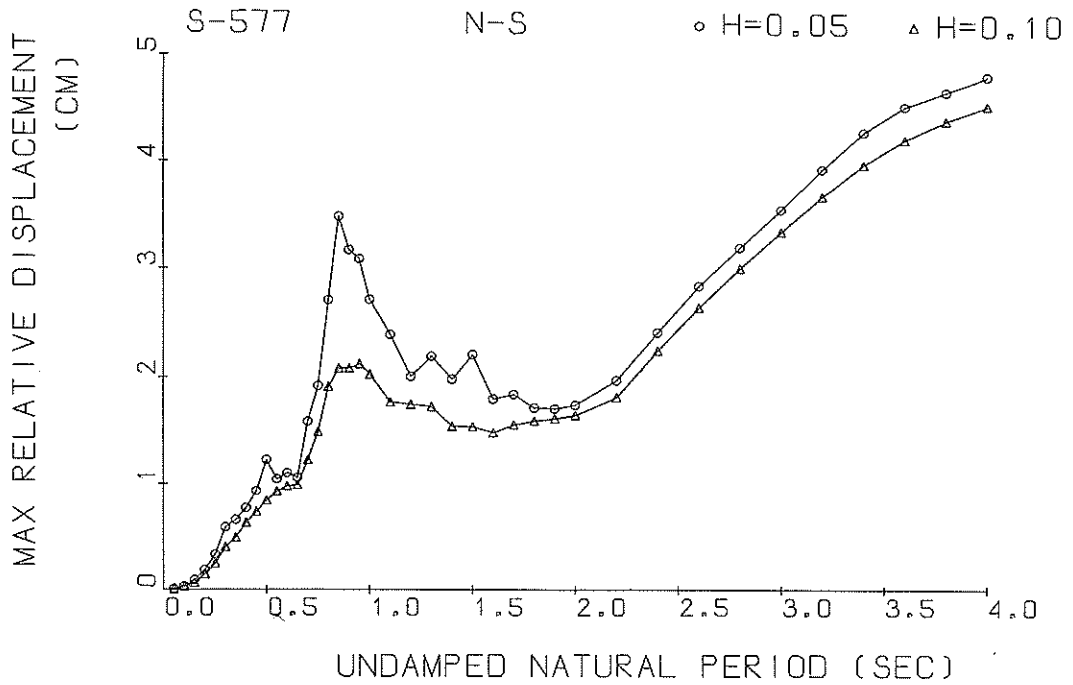
Response Spectra



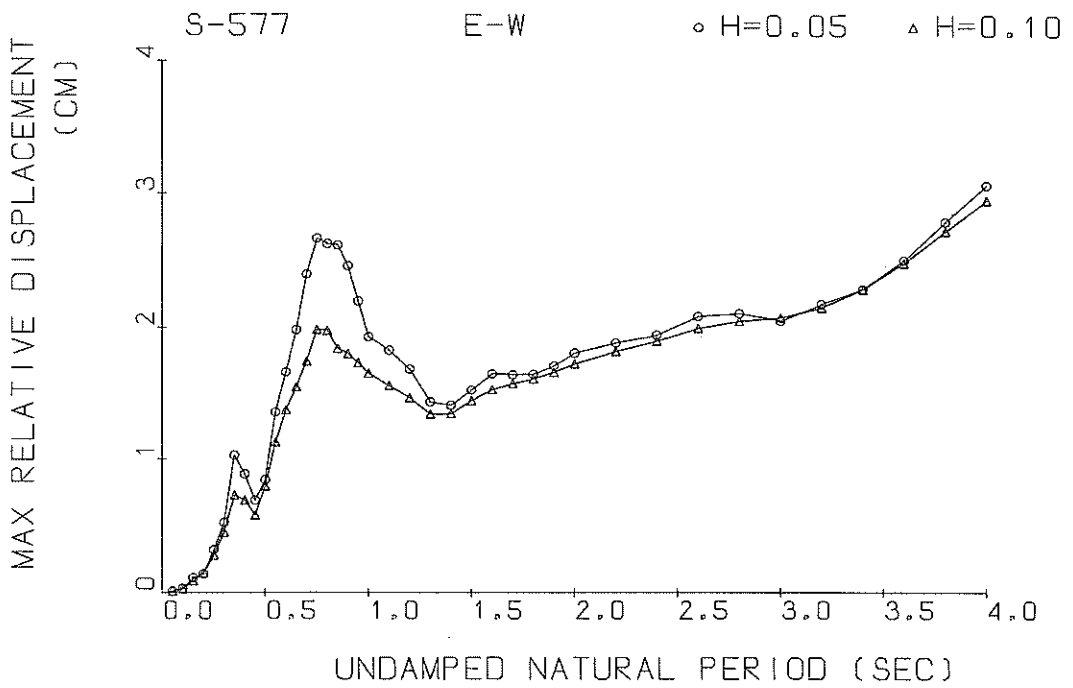
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Response Spectra



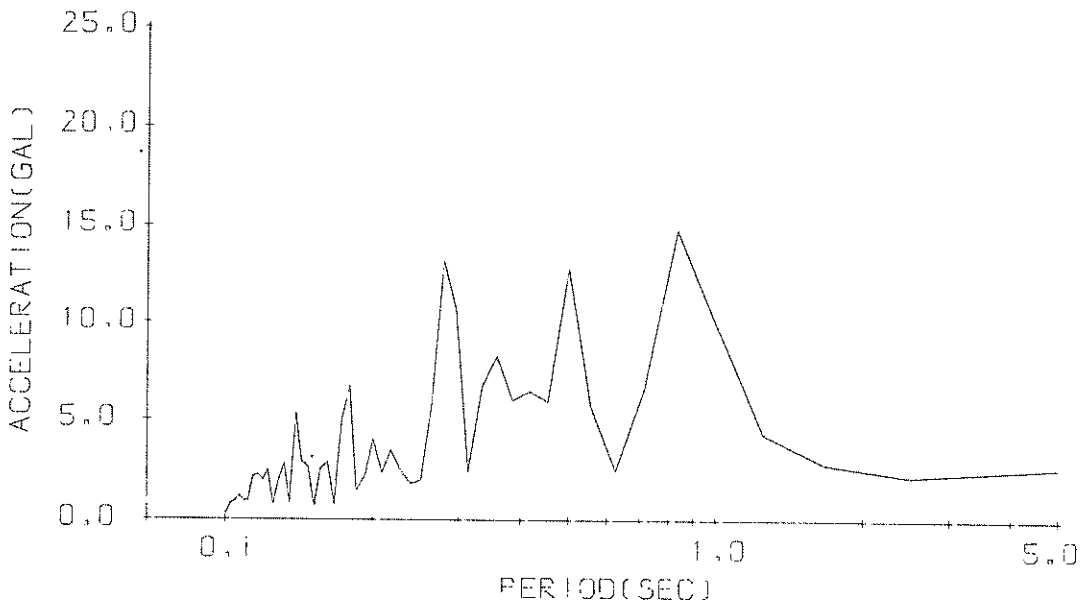
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Response Spectra

S-577 N-S

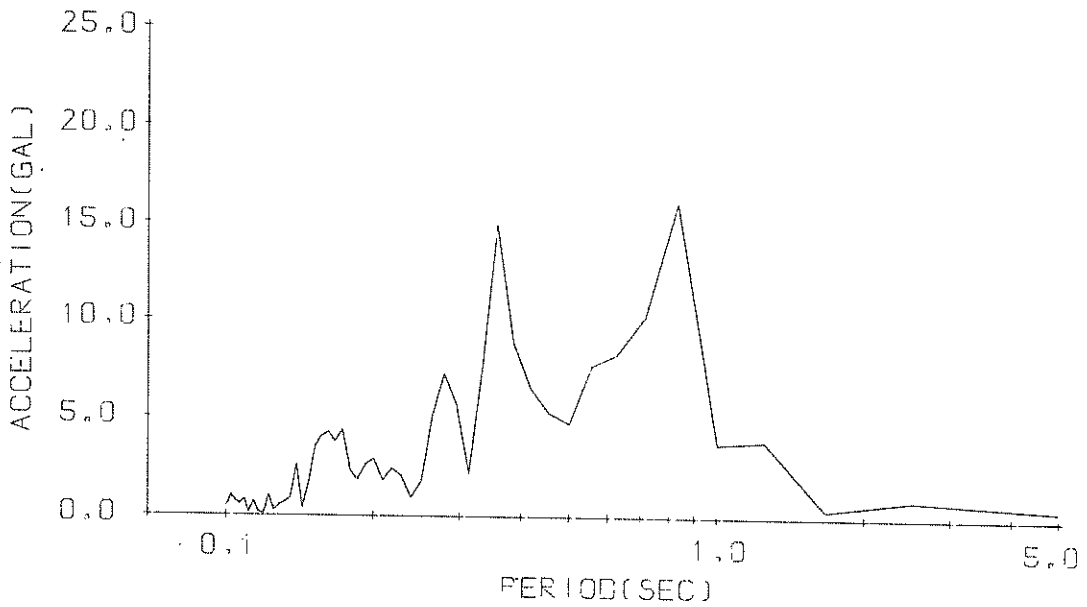
TSK=7.50
TUS=5.00



Fourier Spectrum

S-577 E-W

TSK=7.50
TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-577 N.S 1971-01-05-06-09
 STATION = Y.CHITOSE-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC. = 85.99(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.054	90.63	17.95	0.182	0.0057
0.100	1.216	104.57	54.66	0.985	0.0265
0.150	1.824	156.83	132.51	3.305	0.0883
0.200	2.098	180.44	162.34	5.018	0.1832
0.250	2.458	211.35	194.67	7.473	0.3323
0.300	3.013	259.12	258.14	11.848	0.5852
0.350	2.474	212.76	242.61	11.763	0.6548
0.400	2.223	191.18	213.06	13.113	0.7689
0.450	2.113	181.71	211.29	12.976	0.9286
0.500	2.266	194.84	198.63	15.328	1.2289
0.550	1.593	136.97	178.59	13.460	1.0428
0.600	1.417	121.84	165.65	12.511	1.1036
0.650	1.156	99.42	139.23	10.355	1.0613
0.700	1.497	128.71	162.03	14.275	1.5913
0.750	1.575	135.40	152.19	16.788	1.9210
0.800	1.951	167.73	168.96	19.746	2.7067
0.850	2.223	191.16	200.16	26.263	3.4789
0.900	1.804	155.12	164.65	22.642	3.1680
0.950	1.578	135.73	164.12	19.988	3.0855
1.000	1.252	107.68	131.12	17.895	2.7135
1.100	0.912	78.39	110.24	15.200	2.3874
1.200	0.644	55.39	86.55	11.336	2.0053
1.300	0.599	51.52	89.28	11.623	2.1935
1.400	0.469	40.31	92.03	11.380	1.9796
1.500	0.453	38.94	90.55	10.885	2.2060
1.600	0.326	28.01	88.97	10.160	1.8016
1.700	0.295	25.40	89.89	9.554	1.8423
1.800	0.247	21.22	90.16	9.270	1.7182
1.900	0.221	18.98	89.52	8.959	1.7117
2.000	0.203	17.44	88.84	8.795	1.7479
2.200	0.190	16.33	88.12	9.181	1.9746
2.400	0.194	16.67	87.66	9.070	2.4148
2.600	0.195	16.77	87.18	8.587	2.8433
2.800	0.190	16.31	86.58	8.019	3.1997
3.000	0.184	15.81	86.10	8.232	3.5554
3.200	0.179	15.39	85.94	9.053	3.9361
3.400	0.173	14.85	86.01	9.676	4.2838
3.600	0.163	14.00	86.07	9.941	4.5333
3.800	0.150	12.92	85.96	9.808	4.6719
4.000	0.141	12.11	85.63	9.384	4.8187

RESPONSE SPECTRUM

RECORD = S-577 N-S 1971-01-05-06-09
 STATION = Y,CHITOSE-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 85.99(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.050	90.32	13.06	0.153	0.0057
0.100	1.148	98.72	36.59	0.785	0.0250
0.150	1.259	108.29	83.04	2.071	0.0610
0.200	1.685	144.92	124.39	3.928	0.1446
0.250	1.824	156.82	148.34	5.521	0.2450
0.300	2.083	179.12	184.00	7.756	0.4009
0.350	1.871	160.86	187.93	9.074	0.4888
0.400	1.845	158.67	174.16	10.294	0.6283
0.450	1.696	145.83	176.23	10.701	0.7320
0.500	1.575	135.47	167.17	11.491	0.8392
0.550	1.438	123.68	163.06	11.511	0.9255
0.600	1.280	110.07	152.43	10.851	0.9755
0.650	1.105	95.01	138.81	9.808	0.9880
0.700	1.170	100.65	130.17	11.380	1.2283
0.750	1.240	106.66	129.08	12.389	1.4929
0.800	1.401	120.47	141.96	13.789	1.9137
0.850	1.350	116.08	144.12	15.988	2.0800
0.900	1.202	103.33	134.14	14.187	2.0784
0.950	1.101	94.66	120.14	13.948	2.1204
1.000	0.951	81.77	106.96	13.777	2.0260
1.100	0.691	59.42	89.89	11.672	1.7712
1.200	0.576	49.51	85.23	9.488	1.7484
1.300	0.484	41.61	85.21	9.703	1.7289
1.400	0.378	32.48	87.51	9.617	1.5421
1.500	0.323	27.80	87.85	9.554	1.5415
1.600	0.275	23.61	87.54	9.215	1.4825
1.700	0.258	22.14	87.76	9.179	1.5580
1.800	0.237	20.36	87.89	9.030	1.5942
1.900	0.217	18.67	87.70	8.847	1.6195
2.000	0.201	17.26	87.40	8.709	1.6517
2.200	0.180	15.44	86.91	8.521	1.8205
2.400	0.184	15.82	86.56	8.430	2.2475
2.600	0.186	15.97	86.21	8.175	2.6496
2.800	0.183	15.73	85.83	8.035	3.0077
3.000	0.178	15.34	85.53	7.958	3.3489
3.200	0.173	14.89	85.39	8.402	3.6814
3.400	0.167	14.33	85.35	8.861	3.9792
3.600	0.158	13.61	85.32	9.082	4.2177
3.800	0.149	12.77	85.19	9.049	4.3971
4.000	0.139	11.93	84.96	8.836	4.5398

RESPONSE SPECTRUM

RECORD = S-577 E-W 1971-01-05-06-09
 STATION = Y,CHITOSE-S INPUT SIGNAL = GR,ACC,
 SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ARC,ERR,
 TIME LENGTH = 30,00(SEC) SKIPPED LENGTH = 0, (SEC)
 DAMPING COEFFICIENT = 0,050 MAX,GROUND ACC.= 79,45(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0,050	1,101	87,48	17,53	0,178	0,0055
0,100	1,397	111,01	34,25	0,749	0,0282
0,150	2,311	183,59	116,98	3,313	0,1038
0,200	1,685	133,91	119,01	3,664	0,1351
0,250	2,515	199,80	135,69	5,397	0,3141
0,300	2,886	229,29	223,98	10,671	0,5189
0,350	4,196	333,35	344,16	16,934	1,0259
0,400	2,749	218,44	255,04	15,190	0,8829
0,450	1,689	134,19	177,56	10,385	0,6857
0,500	1,681	133,58	161,18	10,028	0,8417
0,550	2,243	178,22	181,68	14,434	1,3594
0,600	2,305	183,10	196,59	15,760	1,6611
0,650	2,341	186,00	196,07	20,027	1,9809
0,700	2,441	193,91	233,85	22,103	2,3960
0,750	2,367	188,06	261,12	21,659	2,6611
0,800	2,044	162,37	231,80	20,313	2,6180
0,850	1,803	143,25	197,81	20,661	2,6094
0,900	1,514	120,30	162,88	18,354	2,4534
0,950	1,214	96,47	146,93	16,607	2,1927
1,000	0,961	76,32	134,61	14,348	1,9243
1,100	0,754	59,94	122,27	12,907	1,8252
1,200	0,585	46,51	114,94	11,862	1,6836
1,300	0,426	33,82	110,14	10,732	1,4346
1,400	0,360	28,62	103,69	10,227	1,4082
1,500	0,343	27,27	104,06	10,448	1,5260
1,600	0,326	25,88	102,92	9,750	1,6468
1,700	0,289	22,92	100,05	9,001	1,6410
1,800	0,258	20,52	97,67	8,601	1,6442
1,900	0,241	19,17	96,32	8,397	1,7096
2,000	0,230	18,30	95,46	8,124	1,8062
2,200	0,199	15,82	93,02	7,334	1,8831
2,400	0,173	13,76	90,96	6,949	1,9416
2,600	0,159	12,61	89,81	7,077	2,0827
2,800	0,139	11,04	88,26	7,315	2,1069
3,000	0,118	9,41	86,62	7,224	2,0496
3,200	0,108	8,55	85,66	6,934	2,1736
3,400	0,103	8,15	85,33	6,754	2,2863
3,600	0,101	8,00	85,16	6,772	2,4977
3,800	0,098	7,77	84,87	6,889	2,7831
4,000	0,097	7,71	84,44	6,969	3,0578

RESPONSE SPECTRUM

RECORD = S-577 E-U 1971-01-05-06-09
 STATION = Y,CHITOSE-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 79.45(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACF (CM)
0.050	1.084	86.14	16.49	0.180	0.0054
0.100	1.266	100.60	23.65	0.616	0.0253
0.150	1.868	148.45	83.84	2.487	0.0833
0.200	1.764	140.12	100.73	3.143	0.1405
0.250	2.205	175.17	120.13	4.695	0.2742
0.300	2.501	198.68	174.87	8.591	0.4448
0.350	3.003	238.63	249.76	12.305	0.7259
0.400	2.178	173.06	195.22	12.224	0.6856
0.450	1.436	114.11	158.33	9.335	0.5740
0.500	1.604	127.41	137.23	8.733	0.7945
0.550	1.885	149.78	152.93	11.088	1.1249
0.600	1.936	153.78	165.65	12.114	1.3731
0.650	1.860	147.81	160.39	15.087	1.5478
0.700	1.807	143.54	191.98	16.459	1.7444
0.750	1.797	142.76	210.39	15.228	1.9809
0.800	1.584	125.87	201.68	15.865	1.9755
0.850	1.308	103.95	180.70	16.092	1.8377
0.900	1.125	89.38	158.72	15.641	1.8015
0.950	0.975	77.50	139.18	14.728	1.7324
1.000	0.839	66.65	126.04	13.658	1.6505
1.100	0.653	51.92	117.44	12.313	1.5590
1.200	0.519	41.21	112.21	11.415	1.4633
1.300	0.416	33.08	107.90	10.657	1.3412
1.400	0.364	28.95	104.15	10.191	1.3457
1.500	0.342	27.16	102.59	9.977	1.4446
1.600	0.320	25.43	101.21	9.546	1.5302
1.700	0.293	23.28	99.32	9.053	1.5729
1.800	0.269	21.36	97.56	8.673	1.6087
1.900	0.251	19.92	96.21	8.384	1.6620
2.000	0.236	18.75	95.12	8.101	1.7257
2.200	0.208	16.51	93.03	7.509	1.8184
2.400	0.184	14.66	91.24	7.077	1.8983
2.600	0.167	13.26	89.89	6.801	1.9952
2.800	0.150	11.86	88.56	6.927	2.0473
3.000	0.134	10.62	87.31	6.904	2.0743
3.200	0.123	9.75	86.42	6.790	2.1469
3.400	0.116	9.22	85.89	6.705	2.2848
3.600	0.111	8.85	85.53	6.701	2.4772
3.800	0.107	8.48	85.16	6.743	2.7119
4.000	0.102	8.10	84.80	6.775	2.9457

RECORD=577	COMPONENT=N+S	SIGNAL=GR_ACC	CORRECTION=ARC_ERR	STATION=CHITOSE/S						
DATE AND TIME=1974-01-05-06-09	SAMPLING INTERVAL=0.10(10SEC)	FORMAT NO.=501	TOTAL NUMBER OF DATA= 7000							
NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.00	6.70	5.70	4.80	11.92	-8.91	4.10	11.40	-10.73	2.00
2	0.30	7.10	5.71	4.80	9.31	-9.61	4.10	1.00	-11.85	-1.90
3	1.00	7.19	6.62	5.80	4.79	-10.20	4.50	4.31	-13.68	-3.00
4	1.00	6.49	6.24	6.12	2.20	-10.19	4.90	6.41	-15.54	-3.81
5	0.90	5.27	5.27	8.01	0.30	-9.69	5.20	7.59	-16.17	-5.61
6	0.20	1.00	13.26	8.71	-2.60	-8.98	5.50	6.59	-15.51	-6.71
7	0.20	0.10	12.23	9.59	-4.01	-8.08	5.50	5.09	-13.70	-7.82
8	0.70	0.00	10.04	9.17	-6.22	-6.78	5.49	2.80	-11.09	-9.20
9	1.20	0.80	7.15	7.68	-8.53	-5.19	4.59	0.70	-6.87	-9.20
10	1.10	1.60	2.99	5.87	-10.40	-4.00	2.90	0.40	-3.99	-9.17
11	0.10	2.00	1.50	4.70	-10.38	-3.40	0.80	0.50	-1.70	-7.39
12	1.30	2.00	4.41	0.90	-9.56	-4.00	-0.80	0.50	-1.60	-6.29
13	1.90	0.80	6.50	2.80	-7.66	-5.40	-2.80	2.10	-2.10	-5.60
14	1.40	2.30	6.38	3.20	-4.78	-6.00	-3.30	2.80	-3.00	-5.61
15	0.70	4.80	4.49	2.60	-1.60	-6.51	-3.30	1.30	-3.10	-6.41
16	0.70	5.69	2.10	2.20	2.90	-7.11	-2.70	0.10	-3.20	-7.21
17	0.40	4.88	0.30	1.90	5.62	-7.90	-2.10	2.00	-1.70	-8.12
18	0.20	1.80	1.40	1.30	8.00	-8.10	-2.70	5.21	-0.60	-9.42
19	0.10	0.70	1.10	0.50	7.99	-8.09	-4.21	6.50	1.20	-10.60
20	0.10	4.01	1.00	0.50	6.89	-7.29	-6.22	6.48	2.60	-10.58
21	0.00	7.82	1.00	0.60	5.69	-6.09	-8.86	4.79	2.60	-9.57
22	0.20	9.28	0.	-2.80	4.60	-4.79	-12.25	2.10	2.60	-8.28
23	0.20	8.37	0.00	5.72	4.60	-2.20	-13.80	1.90	2.10	-6.59
24	0.70	6.37	1.10	7.94	5.10	0.20	-13.88	4.91	1.40	-5.09
25	1.20	3.29	3.29	10.85	5.50	3.50	-13.38	6.10	0.70	-3.10
26	1.70	0.60	2.60	12.82	5.70	4.40	-12.87	5.59	0.30	-2.40
27	3.10	0.90	3.80	13.38	5.69	4.40	-11.98	4.49	1.20	-2.70
28	4.00	0.80	4.40	12.83	4.09	3.89	-11.29	3.10	-2.00	-3.30
29	4.70	0.30	4.70	10.95	2.20	2.20	-10.78	2.10	-2.50	-3.60
30	4.79	0.30	4.80	9.17	0.20	0.50	-10.06	0.10	-2.50	-3.00
31	2.00	0.90	4.80	7.49	-1.60	-1.90	-9.39	0.60	-1.60	-3.60
32	0.20	2.60	4.40	6.60	-2.60	-3.40	-9.10	1.00	-0.60	-1.30
33	3.00	5.11	4.30	6.61	-2.60	-3.70	-8.80	4.00	0.00	-0.00
34	4.40	7.33	4.40	7.60	0.80	-4.11	-8.69	0.00	0.60	-0.70
35	3.60	9.72	3.50	7.88	1.00	-6.01	-7.79	0.20	1.20	-2.00
36	2.20	10.53	2.60	6.49	4.71	-6.81	-7.18	1.60	-2.00	-2.80
37	0.40	11.73	1.70	5.49	7.33	-8.01	-5.79	3.40	-3.40	-4.01
38	0.20	12.61	1.10	3.39	10.20	-9.00	-4.99	4.60	-4.70	-6.01
39	1.00	13.00	0.30	1.10	10.17	-9.08	-3.20	5.40	-4.79	-7.10
40	-2.90	12.97	2.50	0.60	8.74	-7.97	-2.00	4.99	-3.29	-7.10
41	4.60	12.23	3.71	2.10	4.88	-5.87	-0.90	3.69	-0.70	-5.49
42	5.10	10.06	6.41	3.80	0.90	-1.80	1.30	1.50	1.80	-3.39
43	5.00	8.15	7.61	5.30	3.21	2.91	1.90	1.40	4.81	-0.20
44	4.30	4.98	8.59	6.32	7.41	1.90	0.80	6.51	2.30	4.00
45	4.30	1.20	7.78	3.99	8.21	0.80	0.80	5.70	8.11	4.00
46	5.00	2.10	6.18	0.20	8.79	10.10	-1.30	6.41	8.60	4.39
47	3.71	3.19	8.20	3.01	8.20	10.07	-2.50	7.31	8.79	2.40
48	6.40	5.50	7.83	7.83	7.90	8.48	3.60	8.01	7.88	0.60
49	6.40	5.80	3.00	10.34	-7.90	6.98	-4.30	-8.81	6.68	-1.40
50	6.40	5.80	4.70	12.00	-7.91	5.19	-3.40	9.62	4.98	-2.60

RECORDS=577 COMPONENT=N=S SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=Y,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA=7000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-3.80	-0.50	-7.09	-6.39	7.40	-0.00	24.36	33.28	12.55	14.99
2	-4.00	-0.40	-6.08	-5.39	7.58	-0.80	23.14	26.35	0.10	19.93
3	-2.80	-3.60	-4.09	-4.80	5.88	-2.80	20.82	17.40	-6.83	32.66
4	-1.80	-5.21	-1.50	-3.10	3.39	-2.40	17.91	6.00	-10.14	36.92
5	-0.80	-6.62	0.90	-2.40	0.20	-2.40	15.43	-6.58	-12.09	40.23
6	-0.10	-8.71	2.50	-3.70	-2.50	-2.00	15.98	-15.67	-15.14	41.80
7	-1.30	-9.20	3.20	-3.10	-3.10	-1.30	17.37	-23.14	-17.81	40.02
8	-2.00	-7.17	2.60	-4.10	-3.10	-0.50	18.47	-30.31	-17.88	34.10
9	-3.00	-5.68	2.10	-4.60	-3.10	0.10	19.52	-33.81	-17.73	25.79
10	-3.80	-5.78	1.30	-5.70	-2.40	0.50	20.93	-36.23	-20.12	19.68
11	-4.30	-3.49	0.40	-5.41	-1.60	0.80	20.94	-37.60	-28.14	12.67
12	-3.10	-0.50	0.40	-6.51	-1.10	0.80	18.01	-37.13	-37.64	6.05
13	-1.70	2.20	1.50	-7.32	-1.10	0.30	12.56	-35.00	-44.55	0.30
14	0.00	4.00	2.80	-9.32	-2.00	-0.90	5.65	-31.36	-49.60	-9.50
15	3.50	5.30	3.90	-10.40	-3.81	-2.00	-1.81	-27.18	-57.49	-20.65
16	5.11	4.60	5.00	-10.50	-6.12	-2.70	-9.33	-20.51	-63.83	-33.82
17	6.30	3.80	5.00	-10.45	-8.11	-3.00	-16.39	-7.61	-69.81	-43.12
18	6.30	2.80	4.59	-8.27	-9.00	-3.00	-23.39	6.88	-69.81	-51.97
19	5.99	2.40	3.80	-6.47	-8.99	-3.00	-29.70	16.07	-63.90	-58.93
20	4.19	2.50	1.50	-2.79	-8.39	-2.20	-36.36	23.51	-55.03	-66.66
21	1.70	2.10	0.00	1.20	-7.59	-0.50	-44.54	34.87	-43.16	-73.29
22	-1.10	1.50	0.50	4.60	-6.69	-0.90	-52.85	40.14	-29.61	-73.63
23	-2.80	-1.80	0.50	5.50	-6.10	-1.20	-60.70	34.62	-17.22	-68.86
24	-3.10	-1.80	0.50	3.49	-6.10	-1.70	-66.01	26.77	-5.92	-60.27
25	-2.00	-3.81	1.40	-3.59	-5.70	-3.00	-72.11	20.46	4.94	-44.94
26	0.70	-6.72	3.51	1.10	-5.70	-5.21	-79.48	13.67	13.10	-20.04
27	4.61	-9.05	5.71	-1.30	-5.70	-6.61	-84.19	5.76	18.21	-1.10
28	7.12	-11.83	7.61	-2.60	-5.10	-7.50	-85.99	0.20	18.18	5.94
29	8.50	-12.88	8.70	-3.80	-4.40	-7.70	-85.11	4.31	15.00	11.48
30	8.29	-13.95	8.78	-4.60	-3.60	-7.69	-83.11	7.14	8.92	14.09
31	7.57	-10.17	7.79	-5.71	-2.50	-6.80	-79.72	-11.14	4.36	11.57
32	5.18	-8.64	6.79	-6.71	-0.70	-6.39	-73.64	-16.42	0.20	6.93
33	2.10	-4.99	5.99	-7.51	0.70	-5.69	-64.09	-22.16	4.60	0.60
34	0.40	-2.60	5.00	-8.61	2.10	-4.59	-53.11	-27.79	-4.66	-9.32
35	-0.80	0.40	4.40	-9.00	3.20	-3.20	-42.36	-33.91	3.92	-21.58
36	-3.10	1.70	4.40	-8.97	3.20	-1.90	-31.11	-40.26	9.16	-50.17
37	-4.81	1.70	4.40	-6.99	1.50	0.50	-16.74	-40.91	13.87	-39.25
38	-6.22	0.80	4.40	-5.79	-0.30	1.10	-1.10	-45.120	18.23	-47.44
39	-8.65	-0.30	3.80	-4.59	-1.80	1.10	17.61	-42.18	23.19	-50.72
40	-11.77	-2.20	2.80	-3.80	-3.40	-0.30	31.13	-34.57	28.69	-49.74
41	-14.04	-3.30	1.00	-2.00	-5.20	-1.40	41.57	-25.16	29.96	-44.33
42	-17.49	-4.10	0.50	-2.00	-5.69	-3.40	43.82	-14.18	31.50	-36.56
43	-20.39	-4.50	1.70	-2.80	-4.79	-4.09	40.83	-3.64	30.77	-30.72
44	-22.17	-4.10	1.70	-3.80	-3.49	-2.00	35.02	16.51	26.99	-24.64
45	-20.83	-3.00	0.50	-5.20	-0.40	2.71	32.62	32.07	21.64	-17.24
46	-17.90	-2.60	2.80	-8.70	1.40	8.98	31.27	38.49	17.25	-11.90
47	-13.72	-2.50	4.61	-8.10	2.70	13.80	32.78	39.09	13.45	-8.70
48	-9.32	-4.21	7.50	0.40	3.20	18.88	35.00	35.23	9.68	-8.80
49	-5.08	-6.01	7.20	3.31	1.90	22.53	37.29	30.39	8.63	-9.16
50	-2.10	-7.00	7.19	5.71	1.10	24.41	37.58	22.68	10.70	-12.73

RECORDS=577	COMPONENT=N-S	SIGNAL=GR,ACC	CORRECTION=ARC,ERR,	STATION=V,CHITOSE=S						
DATE AND TIME=1971-01-05 06-09	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 7000							
NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-19.44	31.28	-19.75	14.77	-4.18	-15.64	28.29	8.78	0.60	3.71
2	-24.81	24.25	-17.79	16.19	1.20	-10.94	25.77	13.57	4.62	8.18
3	-27.50	17.32	-12.02	15.93	8.02	-8.58	22.29	15.36	8.86	13.86
4	-26.04	11.70	-6.47	14.56	9.52	-7.42	19.47	14.46	12.19	17.69
5	-16.97	8.26	-2.90	11.55	10.87	-8.97	16.61	11.41	16.80	20.75
6	-7.46	5.29	-0.70	6.26	9.12	-13.12	13.47	8.12	14.63	28.59
7	4.24	3.49	-0.70	4.24	4.68	-16.38	10.24	2.39	10.98	28.27
8	15.48	0.50	-3.61	-1.70	0.40	-19.48	7.55	4.90	6.46	29.66
9	27.09	-1.70	-8.56	-4.00	-2.10	-21.57	3.89	4.71	1.80	29.86
10	34.02	-4.53	-12.42	-4.91	-2.80	-21.81	-0.50	4.72	-3.82	29.55
11	36.32	-10.76	-12.90	-6.01	-0.90	-8.90	-4.72	4.80	-10.33	28.59
12	17.45	-17.53	-9.97	-6.81	3.72	-8.18	-8.03	8.88	-15.94	26.64
13	35.53	-22.46	-3.97	-7.76	9.50	0.00	-10.00	7.97	-20.41	23.75
14	29.20	-24.70	5.96	-12.71	14.87	3.51	-9.95	-5.57	-23.97	20.99
15	22.62	-24.57	14.13	-18.63	20.47	6.40	-7.77	0.80	-26.96	18.79
16	15.94	-18.44	21.98	-21.93	22.21	6.48	-5.49	4.21	-29.21	16.09
17	9.70	-11.18	27.43	-25.17	21.95	4.47	-4.40	7.93	-30.74	14.09
18	4.58	-3.09	29.70	-27.80	18.43	-3.11	-3.80	9.94	-31.45	11.58
19	-0.60	0.10	29.70	-29.82	12.32	-8.49	-4.41	11.60	-32.11	10.90
20	-3.30	3.20	29.09	-28.80	7.05	-14.41	-6.45	11.56	-32.78	10.91
21	-4.10	-8.50	25.76	-25.48	2.00	-19.19	-11.61	10.24	-34.38	11.41
22	-5.22	-8.94	22.12	-21.73	-1.80	-21.47	-15.56	11.82	-37.32	11.90
23	-8.08	-17.38	18.58	-18.26	-2.70	-21.97	-18.63	0.30	-40.59	11.80
24	-13.73	-25.14	14.26	-16.38	-0.30	-20.65	-21.83	4.71	-43.74	11.80
25	-20.12	-32.61	6.76	-16.08	5.44	-19.08	-24.94	7.40	-46.80	11.76
26	-31.17	-39.47	2.89	-17.93	11.96	-17.58	-26.56	7.37	-49.23	10.53
27	-34.96	-45.18	-0.60	-25.62	17.14	-15.86	-26.78	4.87	-49.68	7.74
28	-39.97	-49.03	-3.00	-29.69	21.09	-15.11	-25.96	0.90	-47.56	3.39
29	-42.84	-50.00	-2.99	-35.00	25.00	-15.44	-25.02	4.01	-43.16	-1.40
30	-39.17	-47.67	0.00	-39.99	26.11	-18.31	-24.49	6.11	-36.62	-6.14
31	-28.50	-43.61	4.52	-41.87	24.60	-21.31	-24.59	7.60	-28.16	-11.12
32	-13.44	-27.55	10.21	-41.76	21.64	-24.56	-26.15	7.58	-20.86	-15.69
33	4.13	-27.55	15.44	-39.86	18.63	-27.35	-28.00	5.68	-17.26	-19.46
34	13.61	-19.53	20.22	-36.96	10.31	-29.48	-30.33	2.59	-13.66	-22.60
35	18.61	-17.50	23.89	-31.93	6.28	-30.70	-31.76	-1.60	-10.33	-24.20
36	20.23	-15.96	25.83	-26.91	3.60	-30.29	-31.66	4.20	-7.18	-23.85
37	20.46	-15.30	24.58	-20.13	2.20	-27.87	-29.49	4.19	-5.79	-20.89
38	20.08	-15.37	22.76	-15.95	3.80	-23.40	-23.99	-2.30	-4.39	-16.68
39	19.86	-16.81	19.46	-11.42	5.21	-16.80	-13.17	0.20	-3.00	-13.09
40	20.97	-14.58	13.17	-5.08	6.50	-7.61	-4.56	4.21	-0.70	-10.25
41	25.46	-19.70	7.23	-1.60	6.47	-0.60	3.41	6.72	1.00	-7.89
42	33.02	-20.86	1.50	2.10	3.58	7.37	8.83	8.82	2.80	-6.80
43	39.94	-24.27	-2.30	4.50	21.51	13.31	10.61	10.30	4.10	-6.30
44	45.69	-19.91	-6.11	4.59	16.98	18.74	10.96	10.46	4.50	-5.79
45	50.83	-17.76	-7.90	3.19	-14.77	22.03	9.25	8.85	4.00	-4.90
46	53.50	-15.76	-7.83	2.40	-18.45	25.25	6.58	5.68	3.20	-4.90
47	53.95	-15.04	-2.69	-6.43	-21.81	27.78	4.49	2.90	2.50	-4.90
48	51.90	-15.85	4.52	-9.32	-23.70	29.25	1.60	0.20	2.10	-5.41
49	46.99	-16.85	8.64	-10.54	-23.29	29.50	2.70	1.00	1.60	-7.13
50	39.63	-17.77	11.39	-8.14	-19.84	29.35	5.72	-1.00	1.60	-10.16

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-12.87	27.18	-6.97	-3.59	4.29	-2.00	5.99	-12.26	-22.61	1.70
2	-14.91	25.77	-4.49	-1.50	1.50	-2.80	4.59	-10.97	-20.90	0.60
3	-17.34	24.22	-1.70	1.40	0.70	-3.70	2.50	-9.96	-18.83	-0.70
4	-19.48	22.87	1.30	3.00	0.80	-4.00	0.40	-8.27	-16.62	2.00
5	-20.49	21.72	4.11	4.51	2.20	-5.40	-1.50	-6.38	-15.25	-4.01
6	-21.48	20.93	5.91	6.01	4.81	-5.80	-3.51	-4.39	-14.17	-5.70
7	-22.22	20.18	6.81	7.11	7.84	-5.40	-5.40	-1.00	-13.40	-6.30
8	-22.40	20.01	7.71	7.80	11.00	-4.80	-8.23	1.20	-13.42	-6.60
9	-22.40	20.09	8.31	8.10	14.92	-4.40	-10.34	2.40	-14.00	-6.60
10	-22.40	19.98	8.80	8.10	19.62	-3.80	-12.04	4.01	-14.13	-6.60
11	-22.40	19.72	9.00	8.10	22.83	-3.10	-13.44	5.71	-14.82	-6.61
12	-22.36	18.68	8.77	8.10	24.52	-3.00	-14.44	7.01	-15.22	-7.21
13	-21.94	17.03	6.97	8.10	26.00	-3.00	-15.21	8.32	-15.61	-8.01
14	-21.38	14.21	4.49	7.79	25.79	-3.00	-15.37	9.73	-15.79	-9.02
15	-21.14	10.02	1.10	6.99	24.14	-3.00	-14.77	11.88	-15.59	-10.02
16	-20.55	6.17	-3.01	5.99	21.26	-3.00	-14.19	14.27	-15.44	-11.03
17	-20.09	2.69	-5.61	3.89	17.79	-3.00	-13.98	15.83	-14.36	-12.00
18	-19.96	-1.00	-7.10	0.60	13.36	-1.50	-13.49	16.42	-13.56	-12.09
19	-19.48	-3.80	-7.49	-3.01	9.73	0.40	-13.30	16.81	-12.66	-11.88
20	-19.15	-4.90	-6.67	-6.23	6.07	2.90	-13.30	17.01	-11.87	-11.88
21	-18.47	-5.80	-5.59	-10.31	2.10	5.21	-13.40	17.16	-10.17	-10.70
22	-16.68	-6.12	1.40	-15.30	2.61	8.82	-13.50	18.21	-8.79	-10.60
23	-14.69	-8.04	5.21	-19.23	6.13	8.42	-13.40	19.80	-7.99	-10.40
24	-12.34	-10.67	7.72	-22.09	9.56	9.52	-13.40	21.09	-7.60	-10.50
25	-10.59	-13.70	9.62	-23.74	12.94	10.63	-13.39	23.09	-7.19	-10.40
26	-10.10	-16.35	10.81	-23.88	16.97	11.71	-13.16	24.72	-6.69	-10.41
27	-10.10	-19.15	11.80	-22.75	21.38	12.00	-11.96	25.51	-6.09	-10.70
28	-10.11	-22.76	11.28	-20.50	24.28	12.00	-10.56	25.53	-4.89	-10.80
29	-10.38	-28.45	10.37	-18.38	26.55	11.98	-8.97	24.80	-2.80	-10.69
30	-9.33	-31.03	8.86	-16.63	28.87	11.38	-7.09	22.50	-1.00	-10.18
31	-5.88	-33.84	6.68	-13.76	30.68	10.48	-5.69	19.75	0.50	-9.19
32	-3.39	-36.33	4.69	-8.05	30.88	9.47	-4.60	16.79	2.70	-8.60
33	-0.60	-40.00	2.60	-4.49	30.17	8.08	-4.10	13.38	4.10	-8.50
34	2.81	-43.47	0.60	-2.50	28.98	6.39	-4.10	10.34	4.80	-8.50
35	6.22	-46.43	1.50	-1.20	27.74	4.89	-4.71	7.76	4.80	-8.59
36	8.84	-46.28	3.61	1.20	26.18	3.29	-5.81	4.98	4.80	-7.98
37	11.27	-46.27	5.71	1.90	24.62	1.10	-6.92	0.40	4.69	-6.58
38	13.76	-45.56	7.53	3.10	22.52	1.10	-8.41	1.50	3.00	-4.39
39	15.32	-44.17	10.05	-4.71	20.86	-2.50	-9.12	4.11	2.80	-4.50
40	17.61	-41.56	12.26	6.10	19.36	-3.70	-9.99	7.23	2.20	2.51
41	19.35	-37.67	14.26	6.12	17.68	-5.00	-9.00	10.27	1.80	6.33
42	21.30	-33.20	15.65	4.99	15.88	-5.09	-9.59	13.19	1.50	9.63
43	23.51	-28.75	16.50	2.70	13.70	-5.99	-13.19	15.51	1.50	16.07
44	26.06	-25.75	16.40	0.30	11.11	-1.40	-9.21	17.60	1.80	17.23
45	27.87	-22.75	14.76	5.61	7.57	1.00	-10.03	19.10	2.30	17.65
46	29.27	-20.46	13.95	7.12	4.79	3.80	-11.62	20.45	2.60	18.26
47	29.60	-17.85	12.62	8.50	2.80	5.20	-12.82	22.10	2.60	17.73
48	29.53	-15.66	10.25	8.59	1.30	6.90	-12.80	23.11	2.00	16.74
49	29.06	-13.08	7.87	7.78	-1.20	8.00	-12.80	23.98	2.00	15.78
50	28.23	-9.94	5.59	6.18	-1.30	6.00	-12.78	23.88	2.00	14.44

RECORD=S-577 COMPONENT=N+S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=Y,CHITOSE=S
DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=F301 TOTAL NUMBER OF DATA= 7000

RECORDS=577	COMPONENT=N+S	SIGNAL=GR.ACC.	CORRECTION=ARC.ERR.	STATION=Y,CHITOSE=S						
DATE AND TIME=1971-01-05-06-09	SAMPLING INTERVAL= 0.010 (SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA = 7000							
NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	13.17	14.45	7.52	-5.82	-4.29	-4.70	11.54	1.00	3.50	5.81
2	12.50	15.54	9.12	-6.02	-3.00	-5.10	12.93	0.30	4.20	7.11
3	12.40	16.35	10.32	-9.12	-2.20	-5.70	13.70	0.30	4.60	8.22
4	12.50	17.24	11.01	-10.02	-2.20	-6.20	13.80	0.30	4.60	9.42
5	12.49	17.92	11.30	-11.02	-2.40	-6.20	13.80	0.60	3.90	10.65
6	12.17	18.21	11.31	-11.71	-2.80	-6.00	13.67	0.90	3.00	11.74
7	11.06	18.40	11.70	-12.10	-3.50	-5.39	12.95	1.40	2.10	13.03
8	19.47	18.40	11.60	-12.10	-4.30	-4.10	11.46	1.90	0.30	13.90
9	7.98	18.40	11.60	-12.09	-5.51	-2.90	10.17	2.70	0.30	13.90
10	6.49	18.36	11.68	-11.68	-6.41	-1.00	8.67	3.60	-2.00	13.90
11	4.89	17.75	10.98	-11.09	-7.31	-1.10	6.87	4.20	-4.20	13.90
12	3.20	16.95	10.28	-10.58	-8.20	-1.10	4.29	4.80	-5.41	13.90
13	1.30	16.17	9.25	-9.68	-8.49	-1.10	2.70	5.40	-7.01	13.88
14	0.50	15.66	8.58	-8.48	-7.79	-1.30	0.50	5.90	-8.21	13.48
15	-2.20	14.98	7.48	-7.48	-6.79	-1.50	-1.60	6.10	-9.15	12.88
16	-3.71	14.46	6.19	-6.79	-5.79	-1.50	-1.60	6.40	-10.62	12.39
17	-5.61	13.45	5.00	-5.69	-4.49	-1.50	-3.50	6.90	-11.52	11.98
18	-7.12	12.05	0.80	-4.19	-2.70	-1.30	4.30	7.10	-12.32	11.48
19	-8.82	10.34	0.90	-2.70	-0.40	-1.30	4.30	7.20	-13.04	10.78
20	-10.04	7.58	0.00	0.00	0.90	-1.30	4.10	7.19	-13.45	9.88
21	-11.71	5.79	-1.40	1.20	1.80	-1.30	-3.40	-6.69	-14.10	8.88
22	-12.00	4.39	-2.60	1.20	2.60	-2.10	-2.60	-5.49	-14.21	7.79
23	-11.97	3.20	-4.30	1.60	3.40	-3.20	-1.40	-4.70	-14.50	7.09
24	-10.95	0.60	-5.40	2.10	4.00	-5.11	-0.50	4.10	-14.51	6.19
25	-9.06	1.30	-5.40	2.30	4.60	-6.71	-0.50	3.20	-14.74	5.50
26	-6.97	2.90	-5.40	2.60	4.60	-8.21	-1.20	2.50	-13.87	4.90
27	-4.49	4.41	-5.20	2.80	4.60	-8.79	-3.00	1.70	-12.67	4.50
28	-2.80	6.01	-5.20	3.20	4.60	-8.18	-4.71	1.30	-11.87	3.60
29	0.00	7.63	-5.20	3.60	4.20	-6.77	-6.72	0.90	-10.97	2.30
30	2.70	9.86	-5.00	4.70	3.40	-4.19	-9.15	0.50	-9.97	0.60
31	5.11	12.68	4.49	5.90	2.50	-1.50	-12.23	0.30	-8.79	-1.10
32	6.01	15.08	3.10	5.70	1.60	2.50	-16.21	1.00	-8.09	-2.70
33	6.80	16.78	1.30	5.80	0.20	5.31	-18.10	1.90	-7.59	-5.01
34	6.80	18.16	0.70	5.19	0.20	6.81	-19.51	2.60	-6.79	-6.51
35	6.79	19.05	3.71	3.49	3.00	7.60	-18.60	2.70	-6.09	-7.30
36	5.69	19.73	7.33	1.10	5.21	7.60	-19.49	2.70	-5.19	-7.30
37	4.40	20.05	9.94	1.80	7.02	7.29	-18.13	2.50	-4.29	-7.00
38	3.20	19.40	11.63	3.00	8.94	6.29	-15.75	2.10	-2.80	-6.59
39	1.10	18.12	12.60	5.31	11.43	5.59	-12.89	1.50	-1.00	-6.00
40	0.50	15.66	12.70	7.43	-12.61	4.60	-9.95	0.60	1.00	-6.00
41	-2.20	12.97	12.80	-9.61	-12.89	4.30	-7.79	0.80	1.60	-5.40
42	-3.70	9.55	12.77	-10.09	-12.47	3.80	-6.99	0.30	3.60	-5.00
43	-4.70	6.98	11.97	-9.69	-11.46	3.80	-6.50	1.00	5.21	-5.00
44	-5.71	4.59	10.97	-9.39	-9.95	3.80	-6.00	1.60	6.61	-5.21
45	-6.51	2.50	9.96	-8.69	-7.48	4.50	-5.60	1.80	7.20	-6.11
46	-7.41	0.30	7.96	-8.09	-5.79	5.51	-5.10	1.80	7.50	-7.33
47	-8.152	-1.60	4.99	-7.39	-4.70	6.61	-4.80	1.80	7.00	-10.16
48	-10.03	3.00	2.20	-6.79	-3.70	7.51	-4.50	0.20	6.69	-14.87
49	-11.54	4.01	0.50	-6.09	-3.70	8.42	-3.40	1.10	5.80	-16.36
50	-13.05	5.51	-3.11	-5.19	-4.00	9.93	-2.40	2.40	5.80	-17.44

RECORD=S=577 COMPONENT=N=S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=Y,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-18.03	9.41	-5.71	-5.51	0.30	-27.49	1.50	-6.50	-7.10	-1.70
2	-18.41	10.02	-7.82	-6.51	-0.70	-26.75	1.40	-6.49	-7.10	-1.00
3	-18.84	11.02	-9.22	-7.72	-1.60	-25.73	1.40	-5.59	-6.70	-0.60
4	-19.30	11.92	-10.40	-9.34	-1.60	-24.53	0.20	-4.80	-6.70	-0.60
5	-20.53	12.43	-10.50	-11.25	-1.20	-23.22	1.70	-3.89	-6.70	-0.60
6	-21.90	13.32	-10.39	-12.95	-0.50	-21.67	3.91	-6.40	-6.40	-1.10
7	-22.82	13.70	-9.98	-14.46	0.10	-20.37	-6.02	-0.20	-6.40	-1.70
8	-23.13	13.67	-9.19	-15.74	0.70	-18.91	-8.63	1.30	-6.40	-2.00
9	-24.20	12.99	-8.58	-16.54	1.10	-17.71	-10.22	2.40	-5.99	-2.60
10	-24.98	12.68	-7.49	-17.10	1.60	-16.32	-11.30	3.30	-5.20	-3.00
11	-25.50	12.06	-6.69	-17.10	1.70	-14.94	-11.32	3.50	-4.40	-3.00
12	-25.50	10.76	-5.99	-17.04	2.10	-13.68	-12.12	3.40	-3.40	-3.40
13	-25.50	9.06	-4.19	-16.05	2.60	-13.07	-12.81	3.50	-2.50	-3.80
14	-25.50	6.59	-2.20	-15.06	3.20	-12.17	-13.21	4.00	-1.10	-3.40
15	-25.38	5.19	-0.30	-14.16	3.80	-11.56	-13.60	4.10	0.50	-3.10
16	-24.45	3.00	1.60	-13.17	4.80	-9.96	-13.60	4.60	1.60	-2.80
17	-23.27	1.10	3.40	-12.50	5.40	-8.28	-13.58	4.60	2.60	-2.40
18	-22.15	-1.10	4.81	-12.40	5.91	-6.76	-13.17	4.60	3.40	-1.90
19	-20.73	-3.10	6.92	-12.40	6.60	-2.60	-12.37	4.10	4.10	-1.60
20	-18.95	-3.70	8.51	-12.39	6.60	0.70	-11.46	3.60	5.00	-1.60
21	-17.08	-4.40	9.30	-11.97	6.50	3.40	-10.18	3.00	5.71	-1.60
22	-15.10	-5.20	9.40	-11.06	6.60	4.91	-9.18	1.80	6.61	-1.60
23	-13.10	-6.00	9.39	-9.68	6.60	6.62	-8.19	-0.10	7.91	-1.60
24	-10.34	-6.51	8.79	-8.88	6.60	8.75	-7.39	-1.60	8.92	-1.60
25	-7.67	-7.11	7.98	-7.49	6.10	11.88	-6.39	3.40	9.81	-1.40
26	-5.69	-7.80	6.79	-6.69	5.60	14.60	-5.79	5.11	10.42	-0.80
27	-3.99	-7.81	5.60	-5.79	5.19	16.70	-5.00	6.51	11.40	-0.40
28	-1.80	-8.40	5.70	-4.80	4.30	18.40	-4.60	7.51	11.38	0.50
29	1.10	-8.40	6.20	-3.80	3.80	19.79	-3.60	8.23	10.78	1.00
30	3.41	-8.40	6.40	-2.40	3.00	20.92	-2.50	10.24	9.99	1.50
31	6.01	-8.30	6.70	-0.80	1.60	22.21	-1.60	11.82	9.48	1.60
32	7.72	-7.99	7.10	0.20	0.10	23.23	0.30	12.54	8.69	1.60
33	6.92	-7.40	7.09	1.60	-1.50	24.26	1.50	13.87	8.19	1.20
34	10.11	-7.20	6.29	3.20	-3.40	24.70	2.50	15.46	7.60	0.80
35	10.60	-7.30	5.40	4.11	-4.40	24.64	3.60	16.57	7.19	0.80
36	10.80	-7.31	4.99	5.61	-5.41	24.10	4.40	17.70	6.39	0.80
37	10.80	-7.80	2.20	6.41	-6.51	23.27	5.10	17.66	5.59	0.80
38	10.60	-7.79	0.60	7.61	-7.52	22.16	5.10	17.04	4.60	0.80
39	10.60	-7.40	-0.60	8.10	-9.02	20.82	5.10	16.16	3.90	1.20
40	10.80	-6.99	-1.80	8.10	-10.34	18.89	5.10	15.46	2.70	1.20
41	10.80	-6.19	-2.60	8.10	-12.03	17.33	5.09	14.65	1.40	0.90
42	10.60	-4.89	-3.70	8.09	-13.19	14.80	4.10	13.44	-0.00	-0.00
43	10.49	-2.40	-4.30	7.59	-15.51	12.64	3.00	11.95	-1.60	-0.40
44	10.19	0.30	-5.10	6.79	-17.64	10.86	1.50	10.49	-2.90	-0.90
45	9.89	1.70	-5.20	5.99	-19.84	9.37	0.10	9.99	-3.80	-1.80
46	9.49	1.60	-5.10	5.00	-22.60	7.78	-1.90	9.29	-4.60	-2.50
47	9.00	1.90	-4.70	4.40	-24.47	5.89	-2.70	8.79	-4.60	-2.60
48	8.00	0.40	-4.70	3.70	-26.49	4.30	-3.60	8.29	-4.20	-2.50
49	-9.00	-1.60	-4.70	2.50	-27.60	3.20	-4.10	7.59	-3.20	-1.70
50	9.01	-3.31	-4.70	1.40	-27.60	2.20	-5.41	7.10	-2.40	-0.80

RECORDS=577 COMPONENT=N+S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=Y,CHITOSE*S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEG) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	0.10	4.60	2.20	-8.61	11.08	5.89	7.40	1.50	1.70	-4.40
2	1.00	4.10	2.20	-9.21	10.29	5.19	7.20	1.50	1.60	-4.00
3	1.70	3.80	2.60	-9.70	9.69	3.30	7.00	1.50	1.40	-3.60
4	1.70	3.80	3.30	-9.70	9.19	1.50	6.80	1.50	1.80	-3.10
5	1.80	4.00	3.90	-9.80	8.90	-1.00	6.30	1.60	1.90	-2.60
6	1.50	4.30	4.60	-9.70	8.88	-1.80	6.30	2.20	1.90	-2.60
7	0.80	4.60	5.41	-9.69	7.89	-3.20	6.30	2.70	1.90	-2.60
8	0.40	4.90	6.51	-9.39	7.09	-4.61	6.30	3.50	1.90	-2.60
9	0.10	5.40	7.41	-8.70	6.20	-6.01	6.30	4.30	1.80	-2.60
10	-0.40	5.60	7.91	-8.39	5.80	-6.71	6.30	4.90	1.40	-2.60
11	-0.40	5.50	8.41	-7.99	5.39	-7.61	6.00	5.50	1.00	-2.90
12	-0.70	5.40	8.91	-7.60	4.40	-8.22	5.49	5.90	0.50	-3.10
13	-1.20	5.20	9.31	-7.50	3.30	-9.32	4.70	6.00	0.10	-3.40
14	-1.60	5.20	9.90	-7.29	2.80	-10.52	4.20	5.60	-0.80	-3.70
15	-2.50	4.50	9.91	-6.80	1.50	-11.42	3.40	5.20	-0.70	-4.00
16	-3.00	3.89	10.41	-6.80	0.90	-12.22	2.60	4.70	-1.10	-4.10
17	-3.50	2.30	11.00	-6.80	0.40	-12.72	1.60	3.80	-1.60	-4.10
18	-4.20	0.40	11.00	-7.10	0.40	-13.21	-0.00	3.10	-2.10	-4.20
19	-5.00	-0.80	10.99	-7.31	0.40	-13.61	-0.80	3.00	-2.50	-4.20
20	-5.50	-2.10	10.59	-7.80	0.40	-13.80	-1.60	3.00	-2.90	-3.70
21	-6.00	-2.90	10.30	-7.90	0.40	-13.91	-1.80	2.80	-3.50	-2.60
22	-6.51	-4.10	10.10	-7.99	0.40	-14.10	-2.10	2.40	-4.20	-1.40
23	-6.91	-4.90	10.10	-7.40	0.40	-14.10	-2.90	2.40	-5.00	0.00
24	-7.40	-5.81	10.10	-7.00	-0.20	-14.08	-3.50	1.30	-5.60	0.50
25	-7.80	-6.60	10.00	-6.70	-0.50	-13.67	-4.00	0.60	-6.00	2.40
26	-8.11	-7.11	10.00	-6.40	-0.80	-13.00	-4.30	-0.00	-6.60	3.60
27	-8.60	-7.71	10.10	-6.30	-1.20	-12.98	-4.70	0.40	-7.00	4.71
28	-8.60	-8.19	10.09	-6.30	-1.40	-12.48	-4.90	0.90	-7.40	5.81
29	-8.80	-7.80	9.59	-6.30	-1.50	-11.88	-4.90	-0.90	-7.60	6.51
30	-9.10	-7.80	8.99	-6.80	-1.20	-11.18	-4.90	-0.80	-7.80	7.21
31	-9.10	-7.70	8.19	-6.80	-0.60	-10.47	-4.50	-0.50	-8.11	8.01
32	-9.10	-7.40	7.19	-6.80	-0.20	-9.38	-4.00	-0.20	-8.50	8.71
33	-9.09	-7.40	6.60	-5.80	0.20	-8.38	-3.50	0.10	-8.80	9.21
34	-8.69	-7.71	6.48	-5.40	0.90	-7.28	-2.70	0.10	-9.10	9.60
35	-7.98	-8.11	4.79	-5.00	1.50	-5.69	-1.90	0.20	-9.20	9.70
36	-6.59	-8.71	3.70	-4.19	2.20	-3.99	-1.10	0.20	-9.19	9.70
37	-5.29	-9.20	2.50	-2.60	3.60	-2.40	-0.40	0.20	-8.79	9.59
38	-5.70	-9.20	1.50	-1.60	3.20	-1.10	0.20	0.20	-8.19	8.97
39	-2.00	-9.20	0.80	-0.10	3.90	0.20	0.70	0.20	-7.29	7.48
40	-0.70	-9.20	0.10	1.50	4.80	1.80	1.10	0.70	-6.39	6.10
41	1.10	-8.99	-0.50	3.00	5.20	2.90	1.20	1.20	-5.40	5.60
42	2.40	-8.68	-0.90	4.91	5.90	3.60	1.10	1.60	-4.90	5.20
43	3.00	-7.69	-1.60	6.01	6.20	4.40	1.20	1.90	-4.30	4.80
44	4.10	-6.69	-2.40	7.62	6.60	5.00	1.20	2.50	-4.00	4.40
45	4.90	-5.79	-3.10	9.02	7.00	5.90	1.50	2.90	-4.10	3.90
46	5.50	-4.49	-3.80	10.22	7.30	6.10	1.50	2.60	-4.40	3.40
47	5.50	-3.00	-4.60	10.91	7.30	6.40	1.50	2.70	-4.60	2.50
48	5.80	-2.00	-5.41	11.40	7.30	6.91	1.50	2.50	-4.80	1.30
49	5.79	-0.20	-6.31	11.39	7.09	7.40	1.50	2.20	-4.80	0.50
50	5.10	0.90	-7.61	11.20	6.40	7.40	1.50	2.00	-4.60	-0.10

NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	-1.00	0.80	2.80	-2.40	-2.80	9.30	-10.90	-1.30	-2.20	-3.60
2	-1.40	0.40	1.80	-4.00	-1.80	9.30	-11.00	-2.90	-2.00	-3.60
3	-1.70	-0.00	0.90	-0.80	-5.11	9.30	-10.89	-4.61	-1.60	-3.60
4	-1.70	-0.60	0.30	0.70	-6.01	9.30	-10.49	-6.72	-1.20	-3.60
5	-1.70	-1.40	-0.10	0.90	-6.71	9.30	-9.98	-8.73	-0.40	-3.60
6	-1.70	-2.00	-0.50	1.80	-7.41	9.30	-9.19	-10.83	0.10	-3.60
7	-1.70	-2.60	-1.00	2.60	-8.11	9.30	-8.39	-12.02	0.60	-3.60
8	-1.50	-3.60	-1.50	2.20	-8.91	9.10	-7.69	-12.80	1.30	-3.60
9	-1.30	-4.71	-2.20	2.60	-9.62	9.00	-7.09	-12.80	2.30	-3.60
10	-1.10	-6.01	-2.80	3.80	-10.62	8.90	-6.19	-12.80	3.10	-3.60
11	-1.00	-7.21	-3.50	3.70	-11.63	8.88	-5.10	-12.80	3.90	-3.60
12	-0.60	-8.10	-4.10	4.00	-12.64	7.99	-4.19	-12.80	4.80	-3.60
13	-0.40	-8.10	-4.70	4.80	-13.84	7.09	-2.70	-12.80	5.41	-3.60
14	-0.40	-8.10	-5.10	5.40	-14.87	6.30	-1.80	-12.80	6.41	-3.60
15	-0.30	-8.00	-5.30	6.11	-16.27	5.80	-0.70	-12.80	7.61	-3.60
16	-0.10	-7.69	-5.30	6.91	-17.47	5.20	0.50	-12.79	8.61	-4.00
17	0.30	-7.29	-5.30	7.91	-18.47	4.60	1.90	-12.47	9.52	-4.40
18	0.90	-6.70	-5.30	8.91	-19.48	4.00	3.60	-11.68	10.52	-5.00
19	1.20	-6.40	-5.40	9.72	-20.45	3.40	5.21	-10.88	11.31	-5.60
20	1.50	-6.00	-5.90	10.72	-20.99	2.80	6.61	-10.18	11.81	-6.10
21	1.60	-5.70	-6.30	11.62	-20.90	2.20	7.92	-9.59	12.30	-6.60
22	2.00	-5.40	-6.70	12.42	-20.85	1.90	9.13	-8.79	12.30	-6.80
23	2.00	-5.10	-6.70	13.12	-20.34	1.40	10.63	-8.29	12.30	-7.10
24	2.00	-4.80	-6.70	13.62	-19.68	1.00	11.94	-7.70	12.30	-7.10
25	2.00	-4.40	-6.70	14.00	-19.37	0.60	13.36	-7.40	12.30	-7.10
26	2.30	-3.60	-6.70	14.00	-18.95	0.20	14.96	-7.10	12.30	-7.51
27	2.50	-2.50	-6.70	14.10	-18.24	0.40	16.16	-6.70	12.30	-8.01
28	3.70	-1.50	-6.70	13.99	-17.34	0.50	17.13	-6.30	12.30	-8.61
29	4.60	-0.50	-6.70	13.80	-16.32	0.40	17.61	-6.00	12.30	-9.00
30	5.51	1.20	-6.70	13.69	-14.89	0.50	17.80	-6.00	12.30	-9.21
31	6.41	2.20	-6.70	13.38	-12.53	0.50	17.80	-6.00	12.30	-9.51
32	7.11	3.30	-7.01	12.98	-10.44	0.50	17.81	-6.00	12.30	-9.81
33	7.70	3.90	-7.51	12.99	-7.98	0.40	17.89	-6.00	12.26	-10.11
34	7.70	4.60	-8.11	12.09	-6.39	-0.10	17.78	-6.00	11.07	-10.40
35	7.70	5.80	-8.61	11.69	-5.09	-0.60	17.46	-6.00	9.97	-10.60
36	7.70	6.11	-9.21	11.28	-3.69	-1.20	16.85	-6.20	8.99	-10.70
37	7.70	6.91	-9.60	10.48	-1.80	-1.80	15.96	-6.40	7.59	-10.70
38	7.70	7.81	-9.80	9.29	-0.40	-2.80	15.13	-6.40	6.89	-10.69
39	7.50	8.51	-9.80	8.29	0.60	-3.20	13.76	-6.40	5.99	-10.38
40	7.20	9.31	-9.60	8.99	1.80	-3.60	12.87	-6.40	5.20	-9.98
41	7.00	9.91	-9.60	8.28	2.80	-3.70	12.03	-6.40	4.40	-8.98
42	6.60	10.41	-9.10	7.09	3.70	-4.50	9.18	-6.40	3.40	-7.40
43	6.20	10.70	-8.90	5.99	4.50	-5.20	7.99	-6.10	2.40	-7.29
44	5.69	10.69	-8.99	5.09	5.40	-5.20	7.99	-5.70	1.50	-6.80
45	4.90	10.17	-8.49	4.10	6.21	-6.00	6.89	-5.70	0.20	-6.40
46	4.50	8.88	-7.79	3.00	7.11	-6.61	5.79	-5.30	-0.10	-6.40
47	3.70	7.49	-6.79	2.00	7.71	-7.51	4.59	-4.80	-0.70	-6.40
48	2.90	6.59	-5.59	0.70	8.31	-8.31	3.10	-4.40	-1.90	-6.10
49	2.30	5.29	-4.00	0.70	8.91	-9.22	1.40	-3.60	-2.80	-6.10
50	1.70	3.80	-2.90	-2.00	9.30	-10.22	0.40	-2.80	-3.20	-6.10

RECORD=S=577 COMPONENT=N=S SIGNAL=GR,ACC CORRECTION=ARC,ERR, STATION=Y,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	-6.00	6.80	2.20	1.60	8.11	-6.60	3.30	1.80	-9.70	7.41
2	-5.40	6.90	2.60	1.00	8.92	-6.60	3.20	1.70	-9.70	8.01
3	-4.60	6.90	3.10	0.60	9.61	-7.10	3.20	1.60	-9.70	8.51
4	-3.50	6.90	3.60	0.10	10.41	-7.50	3.00	1.70	-9.70	9.11
5	-2.60	6.80	4.10	-0.50	10.91	-7.80	3.00	1.90	-9.70	9.61
6	-1.80	6.40	4.40	-1.70	11.30	-8.10	3.00	2.20	-9.59	10.01
7	-1.20	6.10	4.40	-2.90	11.30	-8.41	3.00	2.60	-8.89	10.40
8	-0.50	5.80	4.40	-3.70	11.30	-8.61	3.00	3.20	-8.49	10.40
9	0.40	5.20	4.50	-4.10	11.20	-9.41	2.50	3.60	-7.89	10.40
10	1.30	4.40	4.60	-5.00	11.31	-10.00	2.00	3.90	-7.39	10.40
11	2.50	3.70	4.70	-5.71	11.60	-10.00	1.60	4.30	-6.80	10.40
12	3.50	2.70	4.90	-6.71	11.70	-10.21	1.20	4.70	-6.70	10.50
13	4.40	2.40	5.40	-7.61	11.70	-10.60	0.90	5.00	-6.40	10.40
14	4.90	1.00	5.40	-8.31	11.70	-10.50	0.40	5.80	-6.20	10.40
15	5.30	0.60	5.40	-8.81	11.70	-10.70	0.10	5.40	-5.70	10.40
16	5.30	-0.00	5.40	-9.21	11.70	-10.70	0.10	5.40	-5.70	10.40
17	5.30	-0.60	5.40	-9.71	11.70	-10.70	0.30	5.50	-5.00	10.49
18	5.30	-1.30	5.10	-10.20	11.69	-10.70	0.80	5.50	-4.90	10.19
19	5.30	-2.00	5.10	-10.40	11.39	-10.69	0.50	5.50	-4.50	9.59
20	5.30	-2.60	4.90	-10.60	11.09	-10.09	0.50	5.20	-4.00	8.99
21	5.30	-3.10	4.70	-10.81	10.79	-9.49	0.90	4.80	-3.20	8.29
22	5.30	-4.40	4.60	-11.10	10.46	-8.79	1.20	4.20	-2.70	7.29
23	5.30	-5.00	4.70	-11.20	10.19	-8.39	1.50	3.70	-2.50	6.59
24	5.30	-5.60	4.70	-11.20	9.80	-7.99	1.80	3.10	-2.30	5.79
25	5.30	-6.30	4.70	-11.20	9.59	-7.59	1.80	2.20	-2.10	4.69
26	5.30	-6.70	4.80	-11.20	9.30	-7.10	1.80	1.50	-2.00	3.00
27	5.30	-7.20	5.00	-11.19	9.10	-6.80	1.80	0.90	-2.00	1.80
28	5.40	-7.20	5.10	-10.99	8.89	-6.39	2.10	0.80	-2.00	0.70
29	5.30	-7.20	5.30	-10.70	8.49	-5.70	2.10	0.80	-2.00	0.70
30	5.30	-7.20	5.40	-10.49	7.99	-5.30	2.10	1.20	-2.00	1.80
31	5.30	-7.20	5.50	-10.09	7.59	-5.00	2.10	1.80	-2.00	2.40
32	5.30	-7.20	5.50	-9.48	6.99	-4.60	2.10	2.40	-1.60	3.10
33	5.10	-7.20	5.50	-8.39	5.99	-4.10	2.10	2.70	-1.40	3.70
34	5.20	-7.20	5.50	-7.19	4.90	-3.00	2.10	3.20	-1.20	4.20
35	5.10	-7.20	5.40	-7.10	4.10	-4.00	2.10	3.70	-0.80	4.60
36	5.20	-7.20	5.20	-6.70	3.20	-3.40	2.10	4.10	-0.70	5.20
37	5.10	-6.79	4.90	-6.39	2.60	-2.60	2.10	4.40	-0.40	5.70
38	5.30	-6.10	4.90	-5.60	2.10	-1.80	2.10	4.80	-0.20	6.10
39	5.50	-5.60	4.90	-5.10	1.50	-0.80	2.10	5.30	0.20	6.40
40	5.80	-5.10	4.90	-4.90	0.80	0.40	2.10	5.80	0.60	6.71
41	6.10	-4.59	5.10	-4.00	0.30	1.20	2.10	6.30	1.30	7.41
42	6.40	-3.30	5.10	-3.20	-0.40	2.00	2.20	6.70	1.70	8.21
43	6.50	-2.40	4.90	-1.90	-1.50	2.60	2.30	7.10	2.20	8.71
44	6.70	-1.60	4.60	-0.50	-2.40	3.60	2.60	7.51	3.00	9.11
45	6.80	-0.90	4.30	0.60	-3.10	3.30	2.70	8.40	3.80	9.40
46	6.70	0.40	3.90	1.90	-3.80	3.30	2.70	8.41	4.50	9.60
47	6.80	0.10	3.50	3.20	-4.40	3.30	2.70	8.80	5.20	9.60
48	6.70	0.50	3.00	4.71	-5.30	3.30	2.60	9.11	5.60	9.70
49	6.80	1.10	2.70	5.91	-6.00	3.30	2.60	9.41	6.40	9.70
50	6.80	1.60	2.20	6.91	-6.30	3.30	2.10	9.70	6.91	9.70

RECORD=S-577 COMPONENT=N+S SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=Y,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=F301 TOTAL NUMBER OF DATA= 7000

NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	-9.70	2.100	0.20	0.00	-8.60	-2.40	1.80	5.80	-4.00	6.20
2	-9.70	1.90	0.20	0.20	-8.60	-2.40	1.40	-8.00	-4.00	5.79
3	-9.70	1.60	0.20	0.40	-8.30	-2.40	1.30	6.40	4.00	5.10
4	-9.70	1.50	0.20	0.70	-8.00	-2.30	1.10	6.60	-4.00	4.50
5	-9.70	1.20	0.20	0.90	-7.79	-2.30	1.10	6.60	-4.00	3.80
6	-9.70	1.00	0.50	1.20	-7.50	-2.30	1.10	6.60	-4.00	3.00
7	-9.70	0.80	1.00	1.50	-7.10	-2.30	1.20	6.60	4.00	2.50
8	-9.70	0.50	1.40	1.70	-6.90	-2.30	1.10	6.60	2.00	2.00
9	-9.70	0.50	1.80	2.20	-6.60	-2.60	1.10	6.40	-3.60	1.50
10	-9.49	0.50	2.30	2.60	-6.40	-3.10	1.30	6.00	-3.50	1.00
11	-8.79	0.60	2.80	3.00	-6.10	-3.50	1.40	5.50	-3.30	0.50
12	-8.09	0.50	3.30	3.30	-5.70	-3.50	1.40	5.20	-3.00	0.10
13	-7.19	0.20	3.80	3.50	-5.60	-3.50	1.40	4.60	-2.50	0.40
14	-6.50	0.10	4.30	3.50	-5.40	-3.50	1.00	4.00	-2.00	0.70
15	-5.99	0.70	4.90	3.50	-4.90	-3.50	1.00	3.50	-2.00	-1.00
16	-5.10	1.30	5.60	3.60	-4.20	-3.40	1.10	3.00	-1.50	-1.40
17	-4.40	1.60	6.40	3.50	-4.20	-3.50	1.00	2.50	-1.20	-1.90
18	-3.70	2.30	7.20	3.80	-3.20	-3.50	1.30	1.60	-0.80	-2.50
19	-2.90	3.00	8.00	3.90	-2.60	-3.20	1.20	1.10	-0.20	3.00
20	-2.30	3.60	8.80	4.20	-2.30	-2.90	1.30	0.90	0.20	3.60
21	-1.50	4.00	9.60	4.60	-1.60	-2.80	1.60	0.60	1.10	4.00
22	-1.00	4.40	10.40	4.90	-1.30	-2.60	1.70	0.60	1.60	4.50
23	-0.50	4.70	11.20	5.30	-0.80	-2.50	1.80	0.60	2.30	4.80
24	0.20	4.80	12.00	5.50	-0.50	-2.30	1.80	0.60	2.70	5.00
25	0.10	5.10	12.80	5.90	-0.50	-2.00	1.80	0.70	3.30	5.40
26	0.50	5.40	13.60	6.10	0.50	-1.80	1.80	0.70	4.10	5.80
27	1.00	5.50	14.40	6.10	0.50	-1.60	1.80	0.60	4.50	6.00
28	1.00	5.40	15.20	6.10	0.50	-1.20	1.50	0.70	4.80	6.00
29	1.00	5.50	16.00	6.10	0.50	-0.90	1.50	0.60	5.10	6.00
30	1.20	5.50	16.80	6.10	0.40	-0.50	1.40	0.40	5.30	6.00
31	1.30	5.50	17.60	5.90	0.20	0.10	1.30	0.30	5.60	6.00
32	1.40	5.40	18.40	5.50	0.50	0.50	1.20	0.10	5.90	7.70
33	1.40	5.10	19.20	5.10	1.10	0.70	0.90	0.20	6.10	8.20
34	1.40	4.70	20.00	4.80	1.50	1.10	0.70	0.10	6.50	8.60
35	1.40	4.30	20.80	4.10	1.60	1.50	0.50	0.10	6.80	9.00
36	1.40	3.90	21.60	3.90	1.80	1.80	0.10	0.10	6.90	9.40
37	1.40	3.50	22.40	3.50	2.20	2.20	0.10	0.10	6.90	9.50
38	1.40	3.00	23.20	3.00	2.60	2.60	0.10	0.10	6.90	9.50
39	1.20	2.60	24.00	2.60	3.00	3.00	0.10	0.10	6.90	9.60
40	1.20	2.30	24.80	2.00	3.30	3.30	0.10	0.10	6.90	9.80
41	1.00	1.90	25.60	1.60	3.60	3.60	0.10	0.10	6.90	10.00
42	0.40	1.50	26.40	1.30	3.90	3.90	0.10	0.10	6.90	10.00
43	0.10	1.00	27.20	1.00	4.20	4.20	0.10	0.10	6.90	10.00
44	-0.20	0.60	28.00	0.60	4.50	4.50	0.10	0.10	6.90	10.00
45	-0.50	0.20	28.80	0.10	4.80	4.80	0.10	0.10	6.90	10.00
46	-0.80	0.00	29.60	-0.50	5.10	5.10	0.10	0.10	6.90	9.99
47	-1.20	0.20	30.40	-1.00	5.40	5.40	0.10	0.10	6.90	9.40
48	-1.50	0.20	31.20	-1.60	5.70	5.70	0.10	0.10	6.90	8.79
49	-1.80	0.20	32.00	-2.30	6.00	6.00	0.10	0.10	6.90	8.40
50	-2.00	0.20	32.80	-3.00	6.30	6.30	0.10	0.10	6.90	8.09

RECORDS=577 COMPONENT=N*5 SIGNAL=GR,ACC CORRECTION=ARC,ERR, STATION=Y.CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	7.69	4.00	0.90	-3.50	4.20	-3.00	3.00	1.50	-1.10	1.10
2	-7.19	4.10	0.60	-3.50	4.50	-2.90	2.60	-0.40	-1.10	1.20
3	-6.70	4.00	0.40	-3.20	4.80	-2.70	2.20	0.20	-1.50	1.30
4	-6.30	4.40	0.20	-2.90	5.10	-2.60	1.50	0.90	-1.50	1.50
5	-6.39	4.60	-0.00	-2.60	5.40	-2.50	1.10	2.00	-1.50	1.50
6	-5.30	4.80	-0.40	-2.30	5.70	-2.20	0.50	2.90	-1.50	1.60
7	-4.60	4.80	-0.60	-2.50	5.90	-2.00	-0.00	3.40	-1.50	1.80
8	-4.00	5.10	-1.00	-2.80	5.90	-1.60	-0.80	4.20	-1.50	1.90
9	-3.40	5.30	-1.20	-2.20	5.90	-1.50	-1.40	4.90	-1.50	2.00
10	-2.90	5.50	-1.60	-1.60	5.90	-1.30	-1.80	5.31	-1.80	2.20
11	-2.60	5.90	-1.90	-1.80	5.90	-1.00	-2.20	6.20	-1.80	2.30
12	-2.40	5.90	-2.10	-1.60	5.90	-0.80	-2.40	6.70	-1.80	2.60
13	-2.40	5.90	-2.30	-1.50	5.70	-0.80	-2.60	7.10	-1.80	2.60
14	-2.40	5.90	-2.30	-1.30	5.40	-0.50	-3.00	7.51	-2.10	2.60
15	-2.20	5.70	-2.30	-1.30	5.00	-0.40	-3.30	8.11	-2.10	2.60
16	-2.20	5.70	-2.10	-1.30	4.40	-0.10	-4.00	8.51	-2.10	2.60
17	-1.80	5.70	-1.70	-1.30	3.80	0.10	-4.40	9.00	-2.10	2.60
18	-1.50	5.30	-1.50	-1.30	3.30	0.60	-4.60	9.00	-2.10	2.60
19	-1.20	4.90	-1.00	-1.80	2.60	0.50	-4.90	9.00	-2.10	2.20
20	-0.90	4.60	-0.70	-2.20	2.10	0.80	-5.70	9.00	-2.10	2.20
21	-0.90	4.10	-0.40	-2.40	1.40	1.10	-5.70	8.99	-1.90	2.20
22	-0.50	4.20	-0.20	-2.50	0.70	1.10	-6.00	8.59	-1.60	2.20
23	-0.40	3.80	-0.20	-2.30	-0.10	1.50	-6.30	8.19	-1.60	1.90
24	-0.20	3.30	-0.20	-2.40	-0.30	1.60	-6.40	7.70	-1.40	1.60
25	0.10	3.00	-0.10	-2.00	-1.40	1.90	-6.50	7.49	-1.20	1.50
26	0.10	2.80	-0.60	-1.60	-2.10	1.90	-6.50	7.00	-1.30	1.50
27	0.10	2.50	-1.00	-1.20	-2.90	1.90	-7.00	6.80	-1.20	0.50
28	0.10	2.10	-1.00	-0.80	-3.60	1.90	-7.40	6.50	-1.20	0.50
29	0.10	2.20	-1.40	-0.50	-4.20	1.90	-7.40	6.10	-1.30	0.50
30	0.10	1.90	-1.80	-0.40	-4.70	2.30	-7.71	6.00	-1.20	0.50
31	0.10	1.50	-2.20	-0.40	-4.80	2.40	-8.40	5.50	-1.20	0.70
32	0.10	1.10	-2.30	0.	-4.70	2.40	-8.40	5.20	-1.20	0.70
33	-0.30	0.80	-2.30	0.	-4.70	2.40	-8.40	4.80	-1.20	0.80
34	-0.30	0.40	-2.30	0.00	-4.40	2.60	-8.40	4.40	-1.20	1.00
35	-0.30	0.20	-2.40	0.10	-4.20	2.70	-8.40	4.00	-1.30	1.20
36	0.00	0.10	-2.40	0.60	-4.00	3.00	-8.20	3.90	-1.20	1.20
37	0.50	0.20	-2.60	1.20	-3.70	3.30	-8.10	2.80	-1.30	1.20
38	0.60	0.20	-2.60	1.70	-3.00	3.50	-8.19	2.50	-1.30	1.20
39	0.90	0.10	-2.80	2.20	-2.80	4.00	-7.79	1.90	-1.20	1.20
40	1.30	0.10	-2.90	2.50	-2.80	4.00	-7.40	1.60	-1.20	0.80
41	1.60	0.20	-3.00	2.70	-2.80	4.40	-7.10	1.30	-1.30	0.80
42	2.20	0.10	-3.00	3.00	-3.20	5.10	-6.59	0.80	-0.80	0.50
43	2.60	0.20	-3.30	3.00	-3.30	5.40	-6.10	0.60	-0.60	0.50
44	2.80	0.10	-3.60	3.00	-3.30	5.40	-5.60	0.60	-0.30	0.20
45	3.30	0.40	-3.80	3.20	-3.30	5.40	-5.20	0.50	0.00	0.10
46	3.40	0.50	-3.80	3.10	-3.50	5.40	-4.40	0.10	0.10	-0.10
47	3.70	0.60	-3.80	3.20	-3.30	4.90	-3.80	0.10	0.50	-0.30
48	3.60	0.80	-3.80	3.30	-3.30	4.40	-3.40	0.30	0.70	-0.30
49	4.10	0.80	-3.80	3.60	-3.20	3.90	-2.90	0.30	0.70	-0.30
50	4.00	0.90	-3.60	3.90	-3.20	3.50	-2.40	0.80	0.90	-0.30

RECORD=S-577 COMPONENT=H-S SIGNAL=GR,ACC CORRECTION=ARC,ERR, STATION=Y,CHITOSE-S
 DATE AND TIME=1971-01-05-C6-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)	(5900)	(5950)
1	0.30	3.90	1.70	1.60	-0.10	2.80	2.80	3.20	-2.00
2	-0.20	3.50	1.40	-2.10	-0.50	3.40	3.20	3.60	-2.00
3	0.00	3.00	-0.50	-2.30	-0.50	3.40	3.60	3.90	-2.30
4	0.30	3.10	-0.20	-2.80	-0.80	3.70	3.10	4.40	-2.30
5	0.50	2.70	0.80	-2.80	-1.20	4.10	4.00	4.80	-2.30
6	0.80	2.40	1.50	-2.90	-1.80	4.30	4.00	4.90	-2.20
7	0.80	1.90	2.40	-2.30	-2.30	4.60	4.00	4.90	-1.90
8	0.80	1.50	2.70	-3.20	-2.50	4.90	4.00	4.50	-1.60
9	0.90	1.30	3.10	-3.20	-2.50	4.90	4.00	4.50	-1.60
10	0.90	1.60	3.30	-3.20	-2.50	5.20	4.10	4.30	-1.50
11	1.20	2.20	3.50	-3.20	-2.50	5.20	4.00	4.00	-1.20
12	1.20	2.20	3.80	-3.20	-2.50	5.40	3.90	3.90	-1.00
13	1.20	2.40	4.20	-3.20	-2.40	5.40	4.40	3.80	-0.80
14	1.20	2.90	4.60	-3.10	-2.30	5.40	4.40	3.60	-0.60
15	1.20	3.10	4.90	-3.00	-2.00	5.40	4.40	3.60	-0.40
16	0.90	3.30	5.10	-2.90	-1.80	5.40	4.40	3.60	-0.40
17	0.90	3.60	5.40	-2.70	-1.50	5.40	4.40	3.60	-0.20
18	0.60	3.70	5.70	-2.70	-1.50	5.40	4.10	3.60	-0.00
19	0.30	3.70	6.00	-2.70	-1.40	5.40	4.10	3.60	-0.10
20	-0.10	3.90	6.00	-2.70	-1.30	5.40	4.10	3.60	0.00
21	-0.20	4.90	6.00	-3.00	-1.30	5.40	3.70	3.20	0.10
22	-0.50	4.20	6.00	-3.00	-1.30	5.10	3.60	2.80	0.20
23	-0.90	4.50	6.00	-3.00	-0.90	5.10	3.00	2.80	0.40
24	-0.90	4.70	6.00	-3.00	-0.60	4.60	2.90	2.80	0.60
25	-1.10	4.80	6.00	-3.00	-0.60	4.60	2.60	2.40	0.80
26	-1.40	4.90	5.90	-3.00	-0.60	4.00	2.40	2.00	0.80
27	-1.50	4.90	5.90	-3.00	-0.40	4.10	2.20	1.60	0.90
28	-1.80	4.90	5.60	-3.00	-0.40	4.00	2.00	1.20	1.00
29	-2.20	5.00	5.60	-2.90	-0.40	3.60	1.90	1.00	1.20
30	-2.50	5.10	5.70	-2.60	-0.40	3.20	1.60	0.70	1.30
31	-2.70	5.10	5.70	-2.60	-0.40	3.20	1.50	0.50	1.60
32	-3.10	5.20	5.20	-2.60	-0.20	3.00	1.40	0.30	1.80
33	-3.20	5.30	5.10	-2.40	-0.20	3.00	1.40	0.10	2.20
34	-3.60	5.20	4.90	-2.10	0.00	2.60	1.40	-0.20	2.50
35	-4.20	5.40	4.70	-1.50	0.30	2.50	1.40	-0.20	2.60
36	-4.50	5.60	4.40	-1.40	0.50	2.50	1.40	-0.20	2.90
37	-4.80	5.80	4.10	-1.00	0.90	1.60	1.10	-0.70	3.30
38	-5.40	5.90	3.90	-0.70	1.20	1.20	1.10	-1.00	3.60
39	-5.60	5.90	3.70	-0.40	1.10	0.70	-0.70	-1.50	4.00
40	-5.60	5.90	3.60	-0.20	1.10	0.10	-0.40	-1.80	4.30
41	-5.60	5.90	3.10	-0.10	1.30	-0.20	0.00	-2.10	4.20
42	-5.60	5.90	2.60	-0.10	1.60	-0.40	0.50	-2.10	4.30
43	-5.60	5.90	2.20	-0.10	1.60	-0.50	0.90	-2.10	4.20
44	-5.60	5.80	1.90	-0.10	1.80	-0.50	1.10	-2.10	4.20
45	-5.40	5.80	1.40	-0.10	1.80	-0.50	1.50	-2.20	3.90
46	-5.30	5.40	1.00	-0.10	1.90	-0.50	1.70	-2.10	4.00
47	-5.10	5.20	0.40	-0.10	2.20	-1.10	1.90	-2.00	3.90
48	-4.50	4.80	-0.00	-0.10	2.20	-1.60	2.20	-2.00	3.90
49	-3.80	4.50	-0.60	-0.10	2.20	-2.10	2.50	-2.00	4.00
50	-3.60	4.50	-1.10	-0.10	2.60	-2.50	2.80	-2.00	4.00

RECORD=5-577 COMPONENT=M-S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=V,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.0101(SEC) FORMAT NO.=001 TOTAL NUMBER OF DATA= 7000

NO.	(6000)	(6050)	(6100)	(6150)	(6200)	(6250)	(6300)	(6350)	(6400)	(6450)
1	4.00	3.60	4.70	3.10	1.40	2.60	1.80	3.20	-2.10	4.40
2	4.00	3.60	5.21	3.20	-1.40	2.60	1.60	2.90	-1.80	4.30
3	4.00	3.60	6.10	3.40	-1.10	2.60	1.40	2.60	-1.20	4.10
4	4.10	3.70	6.70	3.70	-1.10	2.60	1.20	2.30	-0.60	3.70
5	4.10	3.70	7.10	3.80	-0.70	2.60	1.10	2.40	-0.10	3.30
6	4.10	3.70	7.10	3.80	-0.20	2.50	0.90	1.90	0.20	3.20
7	4.10	3.60	7.30	3.60	0.00	2.30	0.60	1.60	0.70	3.00
8	3.70	3.70	7.30	3.50	0.30	2.30	0.40	1.70	0.90	2.90
9	3.40	3.70	7.40	3.50	0.50	2.20	0.20	1.00	1.50	2.60
10	3.40	3.70	7.60	3.50	0.80	2.00	0.00	0.60	1.80	2.30
11	3.20	3.40	7.60	3.50	0.90	1.70	0.40	0.10	1.90	2.10
12	2.90	3.10	7.60	3.50	1.10	1.50	0.50	0.20	2.30	1.80
13	2.70	3.10	7.60	3.50	1.50	1.30	0.70	0.70	2.60	1.50
14	2.40	3.10	7.50	3.50	1.80	1.00	0.90	1.30	2.90	1.20
15	2.30	3.10	7.60	3.50	2.10	0.70	1.10	1.80	3.00	0.90
16	1.70	3.00	7.50	3.60	2.10	0.50	1.50	2.20	3.20	0.70
17	1.50	3.00	7.60	3.60	2.10	0.20	1.80	2.30	3.60	0.30
18	1.50	3.10	7.50	3.50	2.00	0.10	2.00	3.30	3.70	0.00
19	1.50	3.20	7.50	3.50	2.30	0.50	2.30	4.00	4.00	0.40
20	1.50	3.60	7.60	3.50	2.60	0.90	2.60	4.00	4.10	0.80
21	1.50	3.60	7.20	3.50	2.80	1.20	3.00	4.00	4.30	1.10
22	1.50	3.50	7.10	3.50	3.00	1.50	3.30	4.30	4.60	1.50
23	1.50	3.60	7.10	3.60	3.10	1.80	3.70	4.90	4.90	2.00
24	1.20	3.50	6.90	3.60	3.20	2.10	4.00	5.00	5.00	2.30
25	1.20	3.50	6.70	3.50	3.40	2.20	4.30	5.20	5.00	2.60
26	0.80	3.50	6.40	3.60	3.70	2.60	4.30	5.20	5.00	3.00
27	0.80	3.60	6.10	3.60	3.90	3.10	4.30	5.40	5.00	3.30
28	0.50	3.70	5.70	3.90	3.90	3.30	4.30	5.60	5.00	4.00
29	0.30	3.80	5.30	4.00	3.90	3.70	4.30	5.80	5.00	4.30
30	0.20	3.80	4.80	4.20	3.90	3.80	4.30	5.80	5.00	4.70
31	0.20	3.40	4.30	3.40	3.90	3.80	4.30	5.80	5.00	5.10
32	0.00	3.40	3.70	3.40	3.90	3.90	4.30	6.00	5.00	5.60
33	1.00	3.40	3.20	3.40	3.90	4.00	4.30	6.00	5.00	6.10
34	1.80	3.40	2.90	3.40	3.90	4.40	4.30	6.00	5.00	6.50
35	1.80	3.40	2.60	3.40	3.90	4.00	4.30	6.00	5.00	6.91
36	2.20	3.40	2.40	3.40	3.60	4.00	4.30	6.00	5.00	7.40
37	0.80	3.40	2.10	3.40	3.40	4.00	4.30	5.90	5.00	7.71
38	2.90	3.40	1.90	3.40	4.00	4.00	4.30	5.60	5.00	8.30
39	3.90	3.40	1.70	3.40	4.00	4.00	4.30	5.20	5.00	8.50
40	3.80	3.40	1.40	3.50	4.00	4.00	4.30	5.00	5.00	8.50
41	3.60	3.40	1.10	3.40	4.00	4.00	4.30	4.60	5.00	8.50
42	3.60	3.20	0.80	3.20	3.40	3.80	4.30	4.30	5.00	8.50
43	3.60	3.60	0.30	3.10	3.40	3.40	4.30	4.00	5.00	8.50
44	3.60	3.00	0.10	3.00	3.50	3.40	4.30	3.70	5.00	8.50
45	3.50	3.40	0.40	3.00	3.40	3.20	4.30	3.40	5.00	8.50
46	3.60	3.70	0.70	2.80	3.40	3.10	4.30	3.20	5.00	8.50
47	3.60	4.00	1.20	2.60	3.00	3.10	4.30	2.90	5.00	8.50
48	3.60	4.20	1.60	2.20	2.60	2.60	4.30	2.60	5.00	8.50
49	3.60	4.50	2.20	2.00	2.20	2.20	3.90	2.50	5.00	8.50
50	3.60	4.70	2.80	1.60	2.80	2.00	3.50	2.30	4.70	8.50

RECORD=S=577 COMPONENT=N-S STATION=Y,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SIGNAL=GR,ACC, CORRECTION=ARG,ERR, TOTAL NUMBER OF DATA= 7000
 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301

NO.	(6500)	(6550)	(6600)	(6650)	(6700)	(6750)	(6800)	(6850)	(6900)	(6950)
1	8.50	9.30	2.80	-1.20	2.50	2.50	0.50	0.50	-0.60	0.90
2	-8.40	9.30	-2.50	-0.90	2.70	2.60	0.50	0.50	-0.60	0.90
3	-8.10	9.30	-2.50	-0.40	3.10	2.90	0.40	0.50	-0.60	0.90
4	-7.80	9.30	-2.50	0.00	3.40	2.90	0.60	0.60	-0.60	0.90
5	-7.60	9.09	-2.40	0.90	3.80	3.00	0.90	0.60	-0.40	0.90
6	-7.30	8.80	-2.80	1.50	4.20	3.00	0.90	0.60	-0.40	0.90
7	-7.20	8.49	-3.20	2.20	4.70	2.90	1.50	0.40	-0.20	0.90
8	-7.00	8.09	-3.50	2.90	5.00	3.00	1.50	0.60	-0.10	0.90
9	-6.30	7.59	-4.00	4.00	5.00	3.00	1.60	0.90	-0.10	0.90
10	-6.30	6.80	-3.80	3.50	5.00	2.90	1.60	0.90	-0.10	0.90
11	-6.00	6.40	-3.80	3.80	5.00	2.90	2.00	-1.00	-0.10	0.90
12	-5.50	6.00	-3.80	4.30	5.00	2.90	2.00	-1.00	-0.10	0.90
13	-5.20	5.40	-3.80	4.70	5.00	3.00	2.50	-1.00	-0.10	0.90
14	-5.00	5.00	-3.90	5.20	4.90	2.90	2.50	-1.00	-0.10	0.90
15	-4.50	4.40	-3.80	5.70	5.00	2.90	2.50	-1.00	-0.10	0.90
16	-4.00	4.00	-3.80	6.10	5.00	2.60	2.40	-1.00	-0.10	0.90
17	-3.60	3.20	-4.00	6.50	5.00	2.20	2.40	-1.00	-0.10	0.90
18	-3.20	2.60	-4.40	6.70	4.50	1.90	2.40	-1.00	-0.10	0.90
19	-2.60	2.10	-4.60	6.70	4.30	1.60	2.40	-1.00	-0.10	0.90
20	-2.00	1.90	-5.00	6.70	4.40	1.60	2.40	-1.00	-0.10	0.90
21	-1.50	1.50	-5.10	6.70	4.40	1.60	2.40	-1.00	-0.10	0.90
22	-1.00	1.40	-5.10	6.70	4.40	1.60	2.40	-1.00	-0.10	0.90
23	-0.40	1.00	-5.10	6.70	4.00	1.30	2.40	-1.00	-0.10	0.90
24	0.10	0.80	-5.10	6.40	3.30	0.30	2.40	-1.00	-0.10	0.90
25	0.70	0.60	-5.10	6.20	3.30	-0.10	2.40	-1.00	-0.10	0.90
26	0.90	0.50	-5.10	6.00	2.80	-0.10	2.40	-1.00	-0.10	0.90
27	1.60	0.30	-5.10	5.80	2.70	-0.50	2.40	-1.00	-0.10	0.90
28	2.10	0.10	-5.10	5.70	2.70	-0.50	2.40	-1.00	-0.10	0.90
29	2.60	0.10	-5.10	5.70	2.70	-0.50	2.40	-1.00	-0.10	0.90
30	3.00	0.10	-5.10	5.40	2.50	-0.50	2.30	-1.00	-0.10	0.90
31	3.60	0.10	-5.10	5.00	2.30	-0.50	2.20	-1.00	-0.10	0.90
32	4.00	0.10	-5.10	4.60	2.00	-0.40	2.20	-1.00	-0.10	0.90
33	4.60	0.00	-5.10	4.30	1.70	-0.40	2.20	-1.00	-0.10	0.90
34	5.00	-0.40	-5.10	4.00	1.40	-0.50	2.20	-1.00	-0.10	0.90
35	5.30	-0.80	-4.60	3.70	1.20	-0.50	2.20	-1.00	-0.10	0.90
36	5.90	-1.10	-4.20	3.40	0.80	-0.50	2.20	-1.00	-0.10	0.90
37	6.31	-1.50	-4.20	2.40	0.50	-0.50	2.20	-1.00	-0.10	0.90
38	7.10	-1.90	-4.00	1.90	0.00	-0.50	2.20	-1.00	-0.10	0.90
39	7.50	-2.20	-4.00	1.50	0.50	-0.50	2.20	-1.00	-0.10	0.90
40	7.70	-2.50	-4.00	1.20	0.80	-0.50	2.20	-1.00	-0.10	0.90
41	8.01	-2.60	-3.70	0.90	1.00	-0.50	2.20	-1.00	-0.10	0.90
42	8.50	-2.70	-3.50	0.50	1.00	-0.50	2.20	-1.00	-0.10	0.90
43	8.80	-2.70	-3.20	0.10	1.30	-0.80	2.20	-1.00	-0.10	0.90
44	9.10	-2.70	-3.10	-0.20	1.60	-0.80	2.00	-1.00	-0.10	0.90
45	9.30	-2.70	-2.90	-0.40	1.60	-0.80	2.00	-1.00	-0.10	0.90
46	9.30	-2.70	-2.50	-0.90	2.00	-0.40	1.60	-0.80	-0.10	0.90
47	9.30	-2.70	-2.30	-1.10	2.30	-0.20	1.30	-0.80	-0.10	0.90
48	9.30	-2.70	-2.10	-1.40	2.30	0.00	1.20	-0.80	-0.10	0.90
49	9.30	-2.70	-1.80	-1.80	2.40	0.30	0.90	-0.80	-0.10	0.90
50	9.30	-2.70	-1.50	-2.20	2.40	0.40	0.80	-0.60	-0.10	0.90

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	-0.00	3.50	4.49	5.20	3.10	-7.99	2.00	4.60	0.80	11.41
2	-0.20	3.50	1.10	5.19	2.50	-7.39	3.40	3.90	1.40	11.70
3	0.00	2.30	2.70	4.19	2.10	-6.59	-4.91	3.40	2.00	11.67
4	0.80	1.20	3.90	2.50	2.20	-5.49	-6.72	2.60	2.00	10.77
5	0.50	0.50	4.90	1.30	2.30	-3.70	-9.12	2.50	2.00	9.48
6	0.20	1.80	4.90	1.00	2.20	-2.50	-10.40	2.90	2.00	8.48
7	-0.00	2.40	4.20	1.00	2.20	0.30	-10.40	2.50	2.40	7.19
8	-0.20	2.80	3.40	1.70	2.30	1.30	-10.38	2.50	2.80	5.89
9	-0.60	2.80	2.10	2.20	1.70	1.90	-9.69	2.00	3.10	5.20
10	-0.90	0.90	0.50	2.70	1.10	2.00	-9.19	0.80	3.50	5.20
11	-0.90	0.60	1.10	2.70	0.80	2.00	-8.90	0.60	4.20	5.40
12	-0.60	0.60	4.151	3.120	0.50	1.00	-8.81	2.00	5.41	5.40
13	0.00	4.41	5.81	4.30	0.20	1.00	-9.51	3.00	6.30	5.40
14	0.70	5.91	7.10	5.21	0.70	1.40	-10.00	3.60	6.40	5.10
15	0.70	7.20	7.09	6.81	1.40	1.40	-9.99	3.20	5.89	4.60
16	-0.00	7.19	6.39	8.11	-1.40	1.40	-9.28	2.40	3.99	3.80
17	-0.70	6.18	5.49	8.81	-0.60	0.70	-8.28	2.40	1.70	3.120
18	-1.30	3.99	3.80	9.30	0.10	0.30	-6.79	3.00	-1.60	2.80
19	-1.00	1.50	2.30	9.19	1.20	1.40	-5.39	4.00	2.80	1.120
20	-0.60	0.00	0.70	8.39	2.00	-2.30	-3.50	5.31	3.80	-0.20
21	-0.20	1.70	0. .	7.39	2.70	3.30	-2.00	7.42	4.90	0.70
22	0.90	2.80	0.00	6.69	2.90	-0.00	-1.10	9.40	-5.20	1.80
23	1.60	2.80	1.30	5.99	3.30	-4.00	-0.20	9.38	5.40	2.80
24	2.10	3.50	2.10	5.30	3.50	-3.40	0.40	8.08	5.70	3.50
25	2.50	4.00	2.80	4.70	3.90	-2.80	0.80	6.89	6.00	3.50
26	3.10	4.51	3.40	3.80	4.20	2.40	1.00	5.59	-6.40	3.20
27	2.90	5.71	3.50	3.40	4.20	-2.40	1.00	3.89	-6.40	2.90
28	1.60	7.82	2.60	3.50	4.20	-3.00	1.00	2.00	-6.40	2.10
29	0.30	9.21	0.30	3.50	4.10	-3.00	1.00	1.10	-6.79	1.00
30	-1.50	9.89	2.00	4.10	3.50	-3.00	0.60	0.20	-5.89	-0.20
31	-1.00	8.29	3.50	4.40	2.00	-1.70	0.60	0.10	-4.79	-1.90
32	-0.60	6.88	4.61	4.60	2.00	0.90	-0.00	0.40	-3.69	-0.50
33	-0.50	7.58	6.80	4.60	3.20	2.20	0.70	1.10	-1.30	-4.40
34	-0.20	5.88	6.80	4.60	4.10	4.11	1.40	2.10	1.20	-4.40
35	-0.20	2.60	6.79	3.80	5.11	5.72	-2.20	3.71	3.00	-3.70
36	-0.90	0.70	6.20	2.70	6.51	8.01	3.00	6.42	3.80	-3.10
37	-2.60	-1.00	6.20	1.50	7.40	8.80	4.00	8.72	3.80	-2.40
38	-3.80	-2.40	5.59	0.20	7.71	9.00	4.40	-10.20	3.10	-1.20
39	-5.31	-3.40	4.19	0.80	8.41	8.99	-4.40	-10.19	2.10	0.10
40	-4.81	1.70	2.40	2.40	9.02	8.58	-3.80	9.60	2.00	1.80
41	-8.30	-6.41	0.40	3.40	10.12	7.27	-2.80	9.59	1.40	2.50
42	-8.29	7.21	0.30	4.20	11.20	4.88	-1.50	9.19	0.50	3.10
43	-7.69	7.91	1.60	4.50	11.20	1.90	0.40	8.78	-0.70	3.70
44	-6.99	6.31	2.60	5.00	11.19	-0.50	2.50	7.59	-2.20	3.70
45	-6.29	8.91	3.20	5.60	10.69	-2.70	4.10	6.39	-3.10	3.20
46	-5.19	9.50	3.90	5.80	10.09	-4.40	5.11	5.19	-6.61	2.60
47	-3.50	9.49	4.00	5.89	8.69	-4.40	6.00	3.60	-6.71	1.60
48	-2.20	8.98	4.50	5.00	9.39	-3.70	6.00	1.80	-7.82	0.30
49	-2.10	-7.68	4.90	4.20	8.89	-2.80	5.50	0.90	-8.32	-1.00
50	-2.70	-6.38	5.20	3.80	8.59	-2.00	5.40	0.20	-10.33	-2.40

RECORD=S-577
DATE AND TIME=1971-01-05-06-09

COMPONENT=E-W
SIGNAL=GR.ACC.
CORRECTION=ARG.ERR.
FORMAT NO.=301

STATION=Y_CHTT05E=S
TOTAL NUMBER OF DATA= 7000

SAMPLING INTERVAL= 0.010(SEC)
CORRECTION=GR.ACC.
FORMAT NO.=301

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	3.70	1.70	1.40	2.40	10.94	7.18	26.06	27.77	71.59	66.19
2	4.60	2.10	0.10	0.50	12.43	5.60	28.12	25.96	76.41	61.25
3	4.60	2.10	0.00	1.90	13.30	4.90	30.92	24.88	79.45	57.49
4	4.60	2.10	0.30	2.70	13.30	4.00	32.18	23.07	76.94	55.23
5	3.80	1.40	3.00	4.20	13.26	3.00	33.74	20.33	70.91	53.50
6	3.00	0.00	3.50	5.49	12.05	2.60	34.78	18.47	62.05	51.04
7	2.70	1.40	2.20	5.49	10.36	2.60	35.82	16.51	50.54	46.83
8	2.10	3.40	2.70	3.70	8.66	2.40	36.54	11.65	39.78	39.09
9	2.10	3.20	5.01	3.70	6.48	2.40	37.17	6.56	30.97	28.39
10	1.80	3.20	6.81	3.00	4.79	2.40	38.17	3.98	20.67	11.99
11	1.80	1.70	8.01	2.10	2.50	2.80	39.53	2.30	9.49	0.50
12	2.30	0.20	1.10	1.10	3.10	3.10	40.60	5.13	1.20	0.50
13	2.10	2.10	9.49	1.00	0.60	3.50	39.66	10.09	6.95	17.34
14	3.60	3.71	8.98	0.40	0.10	4.00	35.79	14.27	11.66	32.12
15	4.60	5.92	7.98	1.60	1.20	4.60	28.81	18.07	13.73	48.69
16	5.20	8.85	6.79	5.01	4.81	5.20	19.84	20.53	11.91	59.17
17	5.50	11.60	5.29	6.21	5.90	5.80	6.59	23.49	8.83	69.76
18	5.50	11.58	3.20	7.61	6.51	6.40	5.37	28.85	4.47	76.69
19	4.79	10.98	8.50	7.60	7.10	6.40	16.59	34.17	2.50	76.74
20	3.10	10.18	2.60	8.40	7.10	6.40	25.03	38.95	5.01	70.83
21	0.70	9.48	3.40	8.30	6.80	6.09	29.72	45.46	6.39	59.85
22	0.50	8.19	4.40	7.99	6.30	5.19	34.07	51.98	5.08	44.78
23	2.00	7.18	4.80	7.60	5.79	3.99	40.35	56.70	1.40	29.03
24	3.70	5.79	4.80	7.60	3.90	2.50	43.26	56.83	0.60	18.18
25	3.70	5.10	4.20	7.19	2.80	2.50	43.73	54.68	1.70	7.45
26	3.10	4.70	3.20	6.20	0.80	4.11	42.73	50.34	0.40	4.66
27	2.40	4.10	2.60	5.90	1.40	5.72	41.27	45.38	5.43	17.54
28	1.40	3.60	2.10	5.30	3.10	8.25	38.93	41.77	10.32	19.60
29	0.30	3.10	1.50	4.79	4.40	11.46	36.31	38.81	20.34	19.07
30	0.30	2.20	1.50	3.50	4.80	13.42	35.01	34.17	28.15	12.65
31	0.60	1.20	1.50	3.10	4.79	14.00	33.95	28.13	36.80	8.11
32	0.90	1.00	2.00	3.20	3.60	13.99	32.99	20.59	46.94	4.86
33	1.40	1.00	2.00	3.50	2.80	13.70	30.06	15.26	53.13	16.65
34	2.20	2.10	2.20	4.40	2.00	13.72	30.52	10.55	55.18	25.80
35	3.31	3.40	2.20	4.80	1.60	14.34	27.48	4.46	52.74	29.92
36	7.40	4.20	2.20	4.40	1.60	15.16	25.43	4.46	46.51	32.72
37	7.51	4.90	2.00	4.40	1.60	16.55	22.48	4.53	38.10	33.68
38	8.30	5.80	2.00	3.50	1.60	19.17	17.01	10.34	28.08	29.66
39	8.29	5.69	2.00	3.00	2.00	21.35	11.02	16.43	15.92	26.56
40	7.79	3.59	2.50	3.10	3.00	22.53	4.47	20.71	4.33	21.79
41	7.19	3.00	3.30	0.30	4.10	21.00	1.90	26.03	12.47	16.12
42	6.49	1.70	2.00	2.00	5.31	19.76	5.92	20.36	11.23	4.20
43	5.70	3.40	6.01	2.10	7.22	16.63	8.16	28.60	53.73	8.66
44	4.99	4.81	7.82	2.10	9.43	9.07	5.44	28.72	65.27	6.48
45	3.99	7.11	9.50	1.00	11.10	1.80	4.42	29.79	69.35	4.20
46	2.30	7.60	8.48	0.70	11.10	3.51	9.76	33.38	75.31	4.21
47	1.30	7.19	8.48	3.00	11.08	6.04	17.84	40.78	77.23	6.43
48	0.80	6.49	7.48	4.81	10.27	10.82	22.86	49.43	76.66	9.79
49	0.80	5.29	6.09	7.12	9.08	15.77	26.05	58.01	74.03	14.17
50	1.30	3.40	4.39	6.84	8.19	21.00	28.10	67.12	70.09	18.21

RECORD=S=577
 DATE AND TIME=1971-01-05-06-09
 COMPONENT=FM
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ARC,ERR,
 FORMAT NO.=301
 STATION=Y,CHITOSE=S
 TOTAL NUMBER OF DATA= 7000

RECORDS=577 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=Y,CHITOSE=S
 DATE AND TIME=1971.01.09.06.09 SAMPLING INTERVAL= 0.1010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	22.66	17.52	7.89	-7.78	5.23	-11.45	-2.30	4.79	3.89	-7.71
2	26.40	16.32	6.78	-6.18	9.57	-13.55	-3.50	3.00	-0.10	-8.50
3	26.24	14.92	4.49	-4.19	13.09	-14.76	-4.71	2.30	-0.51	-8.39
4	24.74	13.31	1.80	-2.70	15.59	-16.01	-6.71	2.30	-6.22	-7.49
5	20.83	11.01	-0.90	-2.00	17.31	-16.06	-7.82	3.10	-8.54	-6.48
6	19.01	7.68	-4.01	-2.00	17.40	-15.32	-9.12	4.51	-11.25	-4.49
7	16.62	4.29	-6.41	-3.70	17.80	-13.78	-10.30	7.41	-3.06	-2.00
8	15.42	0.50	-7.40	-5.01	15.67	-10.30	-8.52	8.52	-3.46	1.90
9	15.90	-4.31	-7.38	-6.81	13.29	-6.56	-10.28	9.61	-15.46	4.31
10	17.88	-6.32	-5.47	-8.32	10.31	-2.80	-9.38	10.30	-16.60	5.92
11	20.69	-9.17	-1.20	-9.04	6.56	0.00	-8.09	10.29	-16.63	8.43
12	23.92	-11.74	1.90	-11.74	2.59	3.00	-7.59	8.69	-7.15	10.23
13	26.75	-15.89	5.32	-13.00	-1.30	4.31	-6.19	8.99	-17.94	11.50
14	29.80	-17.47	9.02	-12.96	-4.21	5.71	-5.30	8.29	-18.50	11.56
15	29.38	-17.09	10.02	-11.75	-6.30	6.50	-4.90	7.78	-18.49	10.17
16	26.76	-17.04	11.00	-10.04	-6.70	6.90	-5.21	5.88	-18.41	8.88
17	22.01	-17.73	11.02	-7.37	-6.70	6.90	-6.72	2.69	-18.46	7.78
18	15.73	-19.78	7.96	-4.39	-6.73	6.90	-8.34	1.30	-17.89	6.49
19	9.10	-23.24	4.98	-1.90	-7.11	7.10	-11.40	6.73	-16.01	4.09
20	3.98	-27.14	0.70	0.40	-8.12	7.09	-14.89	9.87	-16.01	4.09
21	2.51	-30.60	-2.40	1.70	-9.84	6.49	-16.97	13.33	-14.24	1.80
22	8.33	-33.55	-5.11	1.80	-11.63	5.90	-19.72	18.78	-10.63	-0.20
23	10.10	-35.30	-6.80	-0.20	-12.75	5.90	-22.39	18.10	-7.68	-2.40
24	10.05	-34.86	-6.80	1.50	-14.10	5.91	-24.09	17.96	-5.99	-4.41
25	7.75	-33.02	-6.39	3.40	-14.23	7.42	-24.70	15.94	-4.79	-6.53
26	3.59	-30.50	-5.39	-4.30	-14.60	8.94	-24.57	12.96	-3.70	-9.66
27	-0.20	-27.08	-3.69	-4.60	-14.77	11.27	-23.45	9.26	-3.30	-12.52
28	-2.50	-21.21	0.70	-4.60	-14.16	13.98	-21.49	6.87	-3.70	-16.06
29	-2.50	-17.32	4.11	-5.21	-13.17	15.85	-20.35	4.09	-4.70	-17.24
30	-0.40	-14.56	5.21	-6.82	-12.48	16.67	-18.67	1.70	-5.31	-19.46
31	2.71	-11.62	7.52	-8.43	-11.79	16.12	-17.05	0.10	-6.21	-21.30
32	7.95	-8.67	9.03	-10.65	-11.60	14.55	-16.28	0.10	-7.00	-21.38
33	11.49	-6.88	10.45	-12.72	-11.63	11.32	-15.57	1.00	-6.99	-19.83
34	14.73	-5.19	8.13	-13.32	-12.11	8.13	-15.07	2.60	-5.99	-17.86
35	17.65	-3.60	3.48	-14.22	-12.35	-3.21	-14.50	4.91	-4.19	-15.84
36	21.57	-2.80	-2.91	-8.15	-13.82	-6.23	-14.49	7.31	-2.10	-12.87
37	26.17	-2.60	-8.23	-4.38	-14.41	-10.25	-14.15	9.31	-0.10	-9.14
38	28.05	-2.30	-17.00	0.50	-14.40	-12.40	-13.01	9.20	1.70	-5.89
39	26.35	-1.60	-20.25	4.01	-14.57	-12.46	-10.56	9.18	3.90	-4.39
40	23.59	0.10	-23.22	6.92	-13.99	-11.31	-8.85	8.18	4.20	-2.20
41	19.61	3.50	-25.70	9.01	-13.68	-7.96	-5.76	6.88	4.20	-1.00
42	11.92	5.31	-25.52	9.48	-13.29	-4.99	-0.50	5.37	3.80	0.80
43	9.48	6.72	-24.20	8.57	-12.99	-2.20	2.20	1.30	3.80	0.80
44	8.62	8.31	-22.67	6.59	-12.59	3.00	3.60	3.91	2.40	0.60
45	9.95	8.99	-23.40	3.57	-12.29	4.30	5.31	7.42	1.40	0.20
46	12.43	8.59	-19.36	-1.40	-11.99	5.20	7.12	8.81	0.10	-0.80
47	16.17	7.99	-16.49	-3.20	-11.59	8.150	8.50	9.71	-2.10	-1.00
48	17.56	7.60	-14.56	-3.40	-11.18	3.89	8.58	10.26	-2.40	-2.00
49	18.30	7.60	-13.64	-2.40	-10.40	1.00	7.20	8.67	-5.01	-2.40
50	18.25	7.90	-9.66	0.60	-10.23	-1.70	5.89	6.87	-7.11	-2.40

NO.	RECORD=S=577					COMPONENT=E-W					SIGNAL=GR,ACC.					CORRECTION=ARC,ERR,					STATION=CHITOSE=MS				
	DATE AND TIME=1971-01-05-06-09					SAMPLING INTERVAL= 0.010(SEC)					CORRECTION=ARC,ERR,					TOTAL NUMBER OF DATA= 7000									
	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)					
1	-2.40	9.30	15.69	6.21	-8.82	7.99	-8.21	13.07	-3.90	9.37															
2	-2.10	9.30	13.69	7.61	-9.98	7.09	-9.20	12.14	-3.50	7.99															
3	-2.10	9.30	10.92	8.61	-8.97	6.09	-9.20	10.24	-3.10	6.88															
4	-2.20	9.50	7.87	9.41	-7.10	5.29	-9.00	7.67	-2.80	4.99															
5	-3.20	9.70	5.97	10.00	-5.89	4.40	-8.80	5.29	-3.00	2.89															
6	-4.81	9.59	2.69	8.97	-5.09	3.50	-8.50	3.20	-4.00	-0.10															
7	-6.41	8.87	0.70	8.67	-3.10	2.80	-8.20	1.50	-5.11	-1.70															
8	-8.02	7.38	2.10	6.78	-1.50	1.60	-8.00	1.00	-6.41	-4.42															
9	-9.23	5.49	3.40	4.49	-0.70	0.80	-8.00	2.50	-7.54	-9.24															
10	-10.97	4.19	3.70	1.40	-0.60	-0.50	-8.00	3.00	-10.45	-11.25															
11	-13.66	1.10	2.90	-2.00	-1.70	-2.00	-7.89	3.50	-12.76	-13.31															
12	-15.16	-1.60	1.40	-3.50	-3.61	-3.60	-7.50	4.10	-14.35	-16.10															
13	-16.45	-3.70	-1.40	-5.81	-5.81	-4.20	-7.09	4.81	-15.50	-17.95															
14	-17.23	-5.41	-3.00	-7.85	-7.85	-5.21	-6.40	6.01	-15.45	-20.01															
15	-17.75	-7.41	-4.81	-9.80	-11.34	-6.41	-6.10	6.61	-14.56	-20.09															
16	-18.50	-7.69	-6.41	-11.80	-12.72	-7.82	-5.80	6.42	-13.77	-19.94															
17	-18.46	-7.39	-7.10	-13.80	-13.41	-9.22	-5.80	6.40	-13.05	-19.83															
18	-17.91	-6.49	-7.10	-15.70	-13.70	-10.20	-6.31	9.39	-11.54	-18.53															
19	-16.64	-5.59	-6.80	-17.60	-13.68	-10.20	-7.22	8.77	-9.48	-17.52															
20	-15.56	-3.30	-6.70	-19.50	-13.04	-10.18	-8.65	7.18	-8.29	-16.34															
21	-14.75	-1.30	-6.40	-21.40	-11.87	-9.38	-8.49	5.49	-7.70	-15.32															
22	-13.77	-0.20	-6.40	-23.30	-10.18	-8.49	-13.86	4.19	-7.50	-13.85															
23	-12.98	1.60	-6.40	-25.20	-9.49	-7.69	-15.36	2.40	-7.40	-12.56															
24	-12.37	2.30	-6.61	-27.10	-8.90	-6.99	-18.52	2.40	-7.40	-11.27															
25	-11.60	2.30	-7.41	-29.00	-8.90	-6.41	-20.28	3.10	-7.40	-10.19															
26	-11.59	2.30	-8.11	-30.90	-8.69	-7.01	-22.80	3.60	-7.50	-9.70															
27	-11.29	1.50	-8.81	-32.80	-8.19	-7.81	-22.80	4.61	-7.50	-9.50															
28	-10.78	0.10	-9.50	-34.70	-7.69	-8.62	-22.65	6.31	-7.50	-9.40															
29	-9.98	-1.20	-9.49	-36.60	-6.79	-10.03	-21.23	7.93	-6.89	-9.41															
30	-8.88	-3.00	-8.79	-38.50	-6.00	-11.30	-19.30	9.71	-6.09	-9.71															
31	-7.49	-5.01	-8.19	-40.40	-5.40	-11.30	-17.30	11.52	-5.19	-10.12															
32	-6.59	-7.11	-7.49	-42.30	-5.20	-9.97	-15.52	13.22	-3.79	-10.92															
33	-5.49	-9.61	-6.49	-44.20	-4.80	-8.58	-10.24	15.00	-1.70	-11.72															
34	-4.19	-12.10	-5.50	-46.10	-4.50	-7.19	-6.47	16.77	1.10	-12.31															
35	-2.40	-14.60	-4.80	-48.00	-3.20	-6.09	0.20	18.52	3.20	-12.61															
36	-1.40	-17.10	-3.90	-50.00	-2.00	-6.09	3.71	20.27	5.01	-13.00															
37	-0.60	-19.60	-3.00	-52.00	0.00	-2.70	7.24	22.02	6.91	-13.89															
38	-0.20	-22.10	-2.00	-54.00	0.00	-1.60	11.16	23.77	8.81	-12.66															
39	0.80	-24.60	-1.00	-56.00	1.70	-0.30	13.36	25.52	10.39	-11.46															
40	1.30	-27.10	0.00	-58.00	3.10	1.00	14.86	27.27	11.46	-10.08															
41	2.20	-29.60	1.00	-60.00	4.80	2.40	16.14	29.02	16.13	-9.18															
42	4.20	-32.10	2.00	-62.00	6.80	3.10	18.80	30.77	16.60	-7.89															
43	5.31	-34.60	3.00	-64.00	9.10	3.20	21.46	32.52	16.58	-6.79															
44	7.01	-37.10	4.00	-66.00	11.40	3.20	24.12	34.27	15.50	-5.60															
45	8.01	-39.60	5.00	-68.00	13.70	2.30	26.78	36.02	15.46	-4.90															
46	9.02	-42.10	6.00	-70.00	16.00	1.00	29.44	37.77	15.07	-4.80															
47	9.90	-44.60	7.00	-72.00	18.30	0.00	32.10	39.52	14.46	-4.80															
48	9.89	-47.10	8.00	-74.00	20.60	-1.60	34.76	41.27	13.45	-4.50															
49	9.59	-49.60	9.00	-76.00	22.90	-4.61	37.42	43.02	12.16	-4.00															
50	9.30	-52.10	10.00	-78.00	25.20	-8.10	40.08	44.77	10.96	-3.40															

NO.	STATIONNEY, CHITOSE=S									
	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	2.00	5.71	0.60	6.10	-9.42	5.51	3.70	6.41	11.38	19.16
2	0.50	7.42	0.40	6.60	-10.62	6.71	4.30	7.01	10.58	18.66
3	3.70	8.93	0.20	7.00	-11.62	7.60	4.60	7.91	9.78	18.07
4	5.21	10.84	0.70	7.00	-12.31	8.00	5.20	8.81	8.98	17.59
5	6.91	12.46	1.20	7.00	-12.62	8.00	5.50	9.31	8.09	17.48
6	8.31	14.27	1.70	6.79	-13.12	8.00	5.80	10.01	7.29	17.17
7	9.31	15.77	2.00	5.79	-13.70	8.00	5.80	11.51	6.19	16.78
8	10.01	17.15	2.60	4.79	-13.70	8.00	5.80	11.51	5.19	16.48
9	10.42	18.70	3.30	3.39	-13.70	7.59	5.30	11.71	4.30	16.08
10	11.11	19.66	4.10	1.00	-13.68	7.59	4.40	12.21	3.80	15.78
11	11.50	18.65	5.11	-1.20	-13.28	6.90	4.20	12.63	3.10	15.34
12	11.61	17.88	6.41	-3.20	-12.67	6.49	3.40	13.43	2.80	14.64
13	12.01	16.18	7.51	-4.61	-11.78	5.89	2.70	14.13	2.60	13.64
14	12.29	14.11	8.42	-6.11	-11.18	5.10	2.00	14.70	2.80	12.26
15	11.97	12.05	9.52	-7.11	-10.49	5.10	1.40	14.70	2.80	10.87
16	10.87	10.37	10.37	-7.81	-9.99	4.30	0.90	14.70	2.80	9.68
17	9.68	8.88	11.63	-8.30	-9.39	4.30	0.30	14.70	2.80	8.59
18	8.48	7.59	12.52	-8.40	-8.89	3.60	0.00	14.70	2.80	7.98
19	7.49	7.60	13.21	-8.49	-8.49	2.40	0.30	14.70	2.40	6.38
20	6.49	7.50	13.60	-8.49	-7.78	0.80	0.60	14.70	1.90	4.39
21	5.90	7.50	13.60	-7.79	-6.59	-1.30	0.80	14.69	1.40	3.00
22	6.41	7.50	13.55	-7.19	-5.39	-3.30	1.30	14.40	0.90	1.40
23	7.11	7.50	12.35	-6.59	-4.10	-5.11	1.70	14.39	0.30	1.30
24	7.90	7.50	10.95	-6.00	-3.30	-7.42	1.90	14.19	-0.20	3.30
25	8.21	7.50	8.87	-5.60	-2.60	-8.41	2.40	13.87	0.70	4.41
26	8.71	7.49	7.18	-5.30	-2.10	-9.71	3.00	13.17	-1.20	5.81
27	9.19	6.99	5.29	-5.20	-1.70	-10.20	3.50	12.37	-1.40	7.11
28	8.48	5.89	2.80	-5.20	-1.20	-10.19	3.90	11.58	-1.40	8.32
29	7.88	4.39	1.40	-5.20	-0.70	-9.79	4.40	10.88	-1.40	9.41
30	5.27	2.20	0.20	-5.20	-0.20	-9.39	4.90	10.18	-1.40	10.12
31	0.60	1.00	0.80	-5.20	0.10	-8.99	5.80	9.49	-1.40	10.82
32	2.80	4.51	1.60	-5.20	0.00	-8.60	6.40	9.09	-1.80	11.72
33	5.72	6.01	1.60	-4.60	-0.20	-8.40	6.70	8.49	-2.30	12.43
34	8.04	7.51	0.50	-4.50	0.30	-8.40	6.70	7.89	-2.70	13.43
35	10.96	8.61	0.30	-4.40	1.00	-8.40	6.60	7.18	-3.30	14.23
36	13.45	9.31	0.90	-4.50	1.30	-8.40	6.09	5.59	-3.70	14.92
37	14.75	10.00	2.00	-4.60	1.70	-8.40	5.19	4.39	-4.60	15.45
38	15.70	10.00	3.50	-4.60	2.40	-8.40	3.00	3.00	-5.31	15.92
39	15.67	9.99	4.81	1.70	2.60	-8.40	1.70	1.40	-6.61	16.21
40	15.04	9.49	6.10	2.10	-2.60	-8.09	0.00	0.30	-7.34	16.27
41	13.74	8.88	6.40	2.10	-2.60	-7.49	-2.20	1.90	-10.54	15.67
42	12.25	7.99	5.99	2.10	-2.60	-6.69	-3.70	4.40	-12.16	15.14
43	10.76	6.89	4.99	1.90	-2.60	-5.80	-4.40	5.41	-14.17	13.96
44	9.18	5.49	3.50	0.90	-1.60	-4.60	-4.90	6.92	-15.91	13.05
45	7.89	4.20	1.80	0.00	-0.50	-4.60	-5.20	8.22	-17.88	11.57
46	7.09	3.20	0.30	-1.30	0.30	-4.20	-5.20	9.32	-19.05	10.58
47	6.10	2.40	2.00	-2.70	1.60	-3.70	-5.10	10.21	-19.62	9.67
48	5.40	1.80	3.10	-2.70	2.70	-3.40	-5.10	10.81	-19.82	8.29
49	5.40	1.20	4.00	-2.31	4.10	-3.10	-5.10	11.41	-19.96	7.59
50	5.40	0.80	5.01	-2.02	4.70	-3.10	-5.41	11.79	-19.48	6.69

RECORD=S-577 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=Y,CHITOSEWS
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 7000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	5.89	-10.70	-12.29	4.40	-7.49	5.40	12.71	-7.38	-1.70	2.70
2	4.89	-10.69	-11.99	4.90	-6.89	5.00	13.12	-5.99	-1.40	2.80
3	3.90	-10.38	-11.59	5.40	-6.40	4.70	13.60	-5.09	-1.20	2.80
4	2.90	-9.59	-11.40	5.91	-6.00	3.90	13.60	-3.40	-1.10	2.60
5	1.70	-8.89	-11.29	6.71	-5.70	3.10	13.60	-1.50	-1.10	1.80
6	0.80	-8.09	-11.09	7.41	-5.70	1.10	13.60	-0.20	-0.60	1.30
7	0.60	-7.39	-10.69	7.90	-5.70	0.80	13.60	1.00	-0.40	0.70
8	-1.60	-6.89	-10.38	8.20	-5.80	-2.00	13.48	2.10	-0.20	0.10
9	-2.70	-6.19	-9.55	8.30	-5.70	-3.40	13.09	2.80	-0.30	0.70
10	-3.80	-5.40	-7.08	8.60	-5.70	-4.91	12.88	3.40	-0.20	-1.50
11	-4.91	-4.70	-5.39	8.60	-5.70	-6.51	12.38	3.80	-0.50	-2.20
12	-6.01	-3.60	-3.60	8.59	-5.70	-8.02	11.67	4.10	-0.80	-3.10
13	-6.81	-3.20	-2.40	8.20	-5.70	-9.62	10.78	4.30	-1.30	-3.60
14	-7.40	-1.30	-2.40	8.00	-5.70	-10.83	9.99	4.50	-2.10	-4.00
15	-7.71	-1.50	-0.40	7.70	-5.40	-11.82	9.28	4.50	-2.40	-4.20
16	-8.10	-0.40	0.20	7.39	-5.10	-12.44	8.19	4.50	-3.20	-4.80
17	-8.50	0.70	0.70	6.49	-4.60	-13.53	7.19	4.10	-4.10	-4.00
18	-8.30	2.10	1.00	5.19	-4.00	-14.32	6.09	3.40	-4.80	-3.80
19	-8.30	3.50	3.70	3.70	-3.30	-14.81	4.69	2.50	-5.30	-3.50
20	-8.29	4.50	1.50	2.40	-2.70	-15.12	3.50	1.90	-5.81	-3.20
21	-7.79	5.50	1.50	0.60	-2.20	-15.61	1.60	1.20	-6.71	-3.10
22	-7.19	6.11	1.80	-0.50	-1.70	-15.81	0.20	0.50	-7.61	-3.00
23	-6.39	6.80	1.80	-2.60	-1.40	-15.90	-1.80	0.10	-8.41	-2.90
24	-5.80	6.80	1.80	-4.91	-1.10	-15.87	4.31	0.80	-9.00	-2.70
25	-5.80	6.80	1.80	-6.41	-1.00	-15.38	5.71	1.60	-9.20	-2.40
26	-5.40	6.80	1.80	-8.02	-1.00	-14.97	7.42	2.40	-9.20	-2.20
27	-5.40	6.50	1.80	-9.52	-1.00	-14.36	9.12	3.00	-9.19	-1.80
28	-5.40	6.10	1.40	-10.62	-1.00	-13.58	10.53	3.50	-8.59	-1.60
29	-5.40	5.79	1.10	-11.63	-0.80	-12.98	11.63	3.70	-7.99	-1.30
30	-5.30	5.00	0.80	-12.53	0.30	-12.36	12.52	3.70	-7.29	-1.00
31	-5.00	4.30	0.50	-13.33	0.80	-11.18	13.00	3.50	-6.49	-0.60
32	-4.80	3.40	0.50	-14.03	0.80	-10.28	13.01	3.50	-5.39	-0.20
33	-4.70	2.40	0.20	-14.72	1.00	-9.49	13.40	3.50	-3.70	0.80
34	-4.70	1.10	0.20	-15.11	1.50	-8.79	13.50	3.50	-2.30	0.80
35	-4.80	-0.20	0.70	-15.40	2.10	-7.89	13.60	3.50	-1.40	0.70
36	-5.10	-1.30	1.00	-15.89	2.70	-6.89	13.60	3.50	-0.70	0.80
37	-5.40	-2.50	1.00	-15.19	3.10	-5.89	13.60	3.50	0.20	0.70
38	-5.70	-3.20	0.60	-14.99	3.30	-4.39	13.57	3.50	0.30	0.30
39	-6.10	-4.20	0.10	-14.68	3.30	-2.40	12.77	3.30	0.40	0.10
40	-6.51	-5.21	0.40	-14.17	3.30	-0.90	11.99	3.30	0.60	0.00
41	-7.10	-6.52	0.60	-13.57	3.40	0.70	11.59	3.00	0.60	0.20
42	-7.40	-8.55	1.30	-12.87	3.50	2.30	11.29	3.00	1.00	0.40
43	-7.40	-10.23	1.90	-12.08	3.50	3.60	10.80	3.00	1.40	0.30
44	-7.41	-11.62	2.40	-11.59	3.50	4.70	10.70	3.00	1.60	0.1
45	-7.91	-12.41	2.60	-11.19	3.90	5.51	10.60	3.00	1.80	0.00
46	-8.31	-12.60	2.80	-10.69	4.20	6.91	10.40	2.70	2.00	0.10
47	-8.71	-12.50	3.00	-10.08	4.50	8.32	10.19	2.70	2.20	0.00
48	-9.21	-12.60	3.40	-9.29	4.90	9.42	9.59	2.40	2.70	-0.20
49	-9.81	-12.50	3.50	-8.49	5.20	10.73	9.19	2.30	2.70	-0.40
50	-10.41	-12.59	3.90	-7.80	5.50	12.02	8.48	2.10	2.80	-1.40

RECORDS=577	COMPONENT=E-W	SIGNAL=GR,ACC	CORRECTION=ARC,ERR	STATION=NY,CHITOSE=S						
DATE AND TIME=1971-01-05-06-09	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 7000							
NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	1.40	3.90	1.50	-0.70	7.44	-5.70	5.20	1.90	-6.20	9.12
2	2.00	3.90	2.00	-1.80	8.23	-5.60	5.60	2.40	-6.10	10.11
3	3.00	3.60	2.40	-3.20	10.23	-5.30	5.60	2.60	-5.60	10.40
4	3.80	3.00	2.40	-4.40	11.71	-5.00	5.60	2.60	-5.40	10.40
5	4.20	2.20	2.50	-5.41	12.20	-4.70	5.70	2.60	-5.50	10.39
6	5.20	1.30	2.70	-6.51	12.33	-4.10	5.00	2.30	-6.20	10.09
7	5.70	0.10	2.70	-8.01	13.24	-3.60	4.40	2.00	-6.51	9.49
8	5.70	-0.40	3.00	-8.60	14.42	-3.00	3.90	1.30	-7.21	9.09
9	5.80	-1.30	3.20	-8.81	14.80	-2.10	3.50	0.80	-8.21	8.39
10	5.70	-2.10	3.80	-9.41	14.77	-2.40	2.60	0.10	-8.61	7.39
11	5.30	-3.10	4.50	-10.11	14.17	-1.10	2.00	0.40	-9.11	6.59
12	5.00	-3.40	4.90	-10.51	13.56	-0.70	1.10	0.00	-9.51	5.40
13	4.50	-4.10	5.00	-11.00	12.47	-0.40	0.60	0.40	-10.00	4.60
14	4.20	-5.30	5.30	-11.11	11.48	-0.10	0.00	1.40	-10.00	3.80
15	4.00	-6.00	5.30	-11.51	10.77	-0.10	-1.00	1.40	-9.99	2.50
16	3.40	-6.61	5.30	-12.02	9.37	-0.10	1.60	1.40	-9.29	0.70
17	3.10	-7.61	5.30	-12.50	7.77	-0.10	2.20	1.40	-8.69	-1.10
18	2.70	-8.30	5.00	-12.51	5.59	-0.70	3.00	0.00	-8.19	-1.70
19	2.70	-8.161	4.80	-12.70	3.90	-1.10	3.60	1.00	-7.59	-2.90
20	2.40	-9.120	4.50	-12.80	3.20	-1.40	4.40	1.00	-7.10	-4.31
21	2.30	-9.41	4.20	-12.80	2.10	-2.10	5.20	0.00	-6.70	-5.81
22	1.80	-9.81	4.00	-12.80	1.30	-2.40	5.70	1.20	-6.20	-6.42
23	1.40	-10.41	3.80	-12.80	0.70	-2.70	6.00	1.20	-5.60	-8.40
24	-0.80	-10.80	3.60	-12.80	0.00	-2.70	6.50	1.40	-5.30	-8.71
25	0.40	-10.90	3.30	-12.79	0.60	-2.60	6.50	1.40	-4.80	-9.41
26	0.10	-10.90	2.90	-12.58	1.20	-2.70	6.50	1.70	-4.50	-10.12
27	0.60	-10.90	2.60	-11.99	2.00	-2.40	6.50	1.40	-4.20	-11.21
28	1.40	-10.89	2.60	-11.59	2.60	-2.00	6.30	1.20	-4.00	-11.70
29	2.40	-10.69	2.60	-11.09	2.80	-1.50	6.10	0.80	-3.50	-11.70
30	3.20	-10.40	2.60	-10.59	3.20	-1.20	5.90	0.30	-3.50	-11.70
31	4.20	-10.29	3.30	-9.98	3.60	-0.80	5.50	0.10	-3.20	-11.69
32	4.90	-9.99	3.30	-9.18	4.30	-0.30	5.20	0.30	-3.00	-11.59
33	5.81	-9.59	3.30	-8.29	5.10	0.10	4.80	1.30	-2.60	-10.89
34	6.61	-8.99	3.00	-7.59	5.60	0.70	4.50	2.00	-2.40	-10.28
35	7.41	-8.59	2.30	-6.69	6.40	1.40	4.50	2.60	-1.80	-9.49
36	7.99	-7.99	1.90	-5.99	6.91	1.40	4.50	3.20	-1.20	-8.99
37	7.89	-7.49	1.60	-4.19	7.41	1.40	4.70	3.50	-0.80	-8.59
38	7.60	-7.00	1.00	-2.50	8.10	1.40	4.70	3.50	-0.80	-7.69
39	6.99	-6.70	0.80	-1.60	8.40	1.50	4.90	2.90	-0.80	-7.19
40	6.49	-6.70	0.30	-0.60	8.40	1.30	5.00	2.20	-0.40	-6.59
41	5.70	-6.40	0.30	0.00	8.39	1.10	4.70	0.20	0.20	-5.99
42	5.20	-6.20	0.30	1.40	7.79	0.90	4.40	0.10	0.80	-4.49
43	4.50	-5.60	0.30	2.00	7.00	0.90	4.10	1.50	1.60	-3.20
44	4.10	-4.90	0.60	2.40	6.00	0.90	3.20	2.80	2.50	-2.40
45	3.80	-4.00	0.70	3.20	6.59	1.30	2.10	3.90	3.30	-0.50
46	3.60	-3.10	0.70	3.70	6.00	1.70	1.20	5.21	4.31	0.70
47	3.50	-2.00	0.70	3.70	5.60	1.90	0.40	6.10	5.41	1.70
48	3.80	-0.80	0.70	4.91	5.70	2.40	0.20	6.50	6.61	2.30
49	3.90	0.30	0.10	5.91	5.70	3.10	0.70	6.50	7.41	3.20
50	3.90	1.10	-0.70	6.61	5.60	4.30	1.40	6.50	8.11	4.91

NO.	(3500)	COMPONENT=E+W	SIGNAL=GR,ACC.	CORRECTION=ARC,ERR,	STATION=Y,CHITOSE=S				
		SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 7000					
	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	6.31	12.53	-13.86	-0.40	-3.80	-5.71	-0.90	-0.90	2.10
2	7.82	13.50	-12.06	-0.40	-3.40	-7.32	-0.50	-1.10	2.40
3	9.01	13.50	-11.97	-0.70	-3.10	-8.82	-0.40	-1.30	2.50
4	9.82	13.50	-10.86	-1.20	-2.80	-10.12	-0.20	-1.50	2.80
5	10.72	13.40	-9.37	-1.70	-2.50	-10.82	0.00	-1.50	3.00
6	11.51	13.49	-7.68	-2.30	-2.10	-11.51	0.20	-1.30	3.30
7	11.90	13.18	-6.19	-3.10	-1.80	-12.00	0.20	-1.30	3.50
8	11.90	12.59	-4.69	-4.00	-1.50	-12.00	0.40	-1.10	3.80
9	11.88	12.28	-3.10	-5.01	-1.20	-12.00	0.60	-0.70	4.30
10	11.40	11.79	-1.50	-6.01	-0.90	-11.99	0.80	-0.60	4.80
11	11.29	11.38	0.20	-7.03	-0.60	-11.79	1.10	-0.60	4.80
12	10.79	10.58	2.60	-8.21	-0.40	-11.38	1.30	-0.60	4.80
13	10.18	9.89	4.51	-9.00	0.00	-10.69	1.40	-0.60	4.90
14	9.48	9.39	6.21	-9.21	0.50	-10.39	1.10	-0.60	4.80
15	8.68	8.89	7.92	-9.51	1.10	-9.77	0.90	-0.90	4.90
16	7.68	8.37	9.43	-10.01	2.50	-8.29	0.60	-1.10	4.90
17	6.08	6.69	10.94	-10.41	3.40	-7.59	0.20	-1.30	4.80
18	3.89	5.99	12.44	-10.71	4.30	-6.90	-0.00	-1.50	5.00
19	2.20	5.29	13.64	-11.01	5.21	-6.50	-0.20	-1.90	5.20
20	1.40	4.29	14.63	-11.20	6.11	-6.10	-0.60	-2.00	5.50
21	0.00	3.00	15.23	-11.30	7.42	-5.60	-0.90	-2.10	5.50
22	1.20	1.30	16.00	-11.20	8.82	-5.30	-1.10	-2.40	5.50
23	2.00	0.00	16.00	-11.30	9.92	-4.60	-1.20	-2.60	5.50
24	3.20	-1.20	16.00	-11.29	10.82	-4.20	-1.20	-2.60	5.30
25	4.00	-3.40	15.99	-11.09	11.51	-3.50	-1.20	-2.80	5.00
26	4.60	-5.01	15.89	-10.69	12.00	-3.00	-1.40	-2.80	4.40
27	5.10	-6.51	15.79	-10.29	12.10	-2.30	-1.40	-2.80	4.20
28	5.10	-7.82	15.57	-9.99	12.20	-1.60	-1.90	-2.80	3.60
29	5.40	-9.33	15.08	-9.39	12.19	-0.80	-2.20	-2.90	3.10
30	5.40	-10.49	14.58	-8.99	11.89	0.10	-2.50	-2.90	2.50
31	5.30	-9.99	14.17	-8.39	11.59	0.40	-3.00	-2.90	1.60
32	5.60	-9.69	13.57	-7.99	11.39	0.80	-3.00	-2.90	0.90
33	5.60	-9.19	12.78	-7.40	11.09	1.20	-3.00	-2.60	0.50
34	5.60	-8.57	12.08	-7.10	10.69	1.50	-3.00	-2.10	0.30
35	5.20	-6.99	11.37	-6.70	10.19	1.50	-3.00	-1.80	0.80
36	4.90	-5.59	10.38	-6.10	9.59	1.60	-2.80	-1.40	0.60
37	4.50	-3.99	9.58	-6.10	8.99	1.60	-2.80	-1.00	0.30
38	3.80	-2.20	8.48	-5.80	8.29	1.10	-2.50	-0.90	1.00
39	3.20	-0.70	6.89	-5.50	7.59	0.80	-2.10	-0.70	1.40
40	2.60	0.80	5.79	-5.40	6.59	0.40	-1.80	-0.40	2.10
41	2.10	2.70	4.80	-5.30	5.69	0.10	-1.70	-0.20	2.80
42	1.50	3.60	3.90	-5.10	4.89	0.30	-1.80	0.10	3.50
43	0.80	4.81	2.70	-5.00	3.89	-0.70	-1.50	0.40	4.10
44	0.50	6.41	1.80	-4.90	2.20	-0.90	-1.30	0.40	4.80
45	-0.50	7.81	0.80	-4.80	0.80	-1.10	-1.10	0.70	5.50
46	0.50	8.82	0.10	-4.70	-0.20	-1.20	-1.20	0.90	6.10
47	0.90	10.02	-0.40	-4.60	-1.20	-1.40	-1.00	1.20	6.81
48	1.40	11.03	-1.50	-4.50	-2.20	-1.40	-1.00	1.40	7.51
49	1.50	12.10	-0.40	-4.30	-3.10	-1.40	-1.00	1.50	8.61
50	2.90	12.11	-0.40	-4.10	-4.21	-1.10	-0.90	1.70	9.81

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	-10.01	2.60	-8.31	3.90	-3.60	2.60	-3.80	6.40	0.90	1.10
2	-10.62	3.00	-9.01	4.30	-3.80	2.20	-3.40	6.91	0.40	0.60
3	-11.31	2.90	-9.40	4.60	-4.10	1.70	-3.10	7.41	0.10	0.20
4	-11.81	3.00	-9.61	5.10	-4.40	1.10	-2.90	7.90	-0.30	0.00
5	-12.10	2.90	-10.11	5.40	-4.90	0.50	-2.60	8.21	-0.80	0.60
6	-12.20	3.10	-10.61	5.80	-5.20	-0.00	-2.20	8.61	-1.40	-1.00
7	-12.20	3.40	-11.11	5.80	-5.50	0.50	-1.80	9.00	-1.90	-1.00
8	-12.10	3.90	-11.41	5.80	-5.60	-0.90	-1.30	9.00	-2.40	-1.40
9	-12.10	4.00	-11.60	5.80	-5.60	-1.30	-1.00	9.00	-2.80	-2.00
10	-12.20	4.20	-11.59	5.70	-5.70	-1.70	-0.50	8.89	-3.20	-2.00
11	-12.18	4.40	-11.29	5.80	-5.30	-2.00	-0.10	8.60	-3.10	-2.60
12	-11.59	4.60	-11.10	5.70	-4.70	-2.40	0.10	8.29	-3.20	-3.00
13	-11.09	4.90	-11.00	5.80	-4.20	-2.60	0.10	7.69	-3.20	-3.40
14	-10.69	5.00	-11.00	5.60	-3.50	-2.60	0.30	7.19	-3.20	-3.70
15	-10.38	5.40	-11.01	5.60	-3.00	-2.60	0.70	6.70	-3.10	-4.10
16	-9.68	5.70	-11.30	5.50	-2.50	-2.60	0.80	6.20	-2.80	-4.90
17	-8.68	5.90	-11.41	5.30	-2.00	-2.60	1.00	5.60	-2.70	-5.10
18	-7.69	6.20	-11.71	5.00	-1.70	-2.60	1.20	4.90	-2.60	-5.70
19	-6.99	6.50	-11.90	4.70	-1.40	-2.60	1.40	4.40	-2.70	-6.40
20	-6.09	6.80	-11.90	4.40	-0.90	-2.50	1.80	3.60	-2.70	-6.60
21	-5.09	7.31	-11.80	4.10	-0.40	-2.70	2.10	3.10	-2.60	-6.90
22	-4.10	7.91	-11.90	3.50	0.20	-2.90	2.30	2.40	-2.20	-6.90
23	-3.00	8.51	-11.90	2.90	0.70	-3.20	2.80	1.70	-1.70	-6.90
24	-2.40	9.01	-11.79	2.60	1.20	-3.40	2.90	1.00	-0.90	-6.80
25	-1.70	9.51	-11.38	2.30	1.90	-3.40	2.90	0.40	-0.20	-6.69
26	-0.80	10.00	-10.69	2.20	2.40	-3.50	3.10	0.00	0.20	-6.00
27	0.00	9.90	-10.08	1.90	3.00	-3.80	3.20	0.50	1.00	-5.79
28	0.40	9.70	-9.29	1.50	3.50	-4.10	3.20	1.00	1.70	-5.10
29	1.10	9.70	-8.68	1.10	4.20	-4.40	3.20	1.40	2.20	-4.70
30	1.70	9.59	-7.59	0.80	4.60	-4.50	3.30	1.80	2.40	-4.20
31	1.80	9.09	-6.70	0.40	4.90	-4.40	3.30	2.20	2.40	-3.80
32	1.90	8.49	-6.19	-0.00	5.20	-4.50	3.10	2.60	2.30	-3.80
33	1.80	7.99	-5.29	-0.30	5.20	-4.50	3.10	2.70	2.30	-3.80
34	1.80	7.29	-4.40	-0.80	5.30	-4.30	2.90	2.70	2.30	-3.80
35	1.80	6.49	-3.70	-1.60	5.20	-4.10	2.30	2.70	2.30	-3.80
36	1.20	5.49	-3.20	-2.30	5.00	-4.20	2.00	2.70	1.80	-3.80
37	1.10	4.60	-2.60	-2.80	4.90	-4.20	1.20	2.70	1.50	-3.80
38	1.10	3.80	-2.20	-3.20	4.50	-4.20	0.60	2.70	1.40	-3.50
39	1.10	2.60	-2.00	-3.60	4.30	-4.20	0.20	2.70	1.10	-3.20
40	1.10	1.40	-1.70	-3.80	4.30	-4.40	0.80	2.70	1.10	-2.90
41	1.20	0.20	-1.50	-3.80	4.10	-4.40	1.60	2.70	1.10	-2.30
42	1.50	-1.00	-1.00	-3.40	4.10	-5.10	2.80	2.70	1.20	-1.60
43	1.70	-1.60	-0.40	-3.40	4.10	-5.00	3.60	2.70	1.20	-1.00
44	1.90	-2.40	0.20	-3.80	4.00	-5.10	4.20	2.40	1.20	-0.30
45	2.30	-3.20	0.70	-2.50	4.00	-5.10	4.60	2.40	1.20	0.20
46	2.30	-4.10	1.50	-2.60	3.90	-5.10	5.10	1.40	1.40	0.70
47	2.30	-5.21	2.00	-2.50	3.60	-5.10	5.50	1.80	1.40	1.20
48	2.30	-6.21	2.60	-2.60	3.60	-5.00	5.80	1.40	1.40	1.60
49	2.30	-6.91	3.10	-3.00	3.50	-4.40	5.80	1.20	1.50	1.70
50	2.30	-7.51	3.50	-3.40	3.20	-4.20	6.10	1.00	1.40	1.70

RECORD=5577
DATE AND TIME=1971-01-05-06-09

COMPONENT=E-W
SAMPLING INTERVAL= 0.010(SEC)

SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.
FORMAT NO.=301

STATION=Y,CHITOSE=5
TOTAL NUMBER OF DATA= 7000

RECORD=S=577	COMPONENT=E=H	SIGNAL=GR,ACC,	CORRECTION=ARC,ERR,	STATION=Y,CHITOSE=S					
DATE AND TIME=1971-01-05-06-09	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=001	TOTAL NUMBER OF DATA= 7000						
NO.	(4500)	(4550)	(4600)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	1.70	-2.30	-6.31	-6.41	5.20	-0.40	1.10	-6.90	0.20
2	1.70	-2.00	-7.11	-7.11	5.00	-0.10	1.70	-7.00	0.70
3	1.70	-1.50	-7.71	-7.71	4.60	0.10	2.10	-6.90	1.00
4	1.60	-1.30	-8.21	-8.41	4.40	0.30	2.40	-6.90	1.10
5	1.50	-1.00	-8.61	-9.01	4.10	0.40	2.50	-6.90	1.30
6	1.40	-0.70	-9.01	-9.30	3.80	0.30	2.60	-7.00	1.40
7	1.40	-0.40	-9.41	-9.40	3.60	0.40	2.80	-7.00	1.30
8	1.20	-0.10	-10.01	-9.40	3.10	0.40	3.00	-6.90	1.40
9	1.00	0.30	-10.51	-9.39	2.60	0.40	3.20	-6.90	1.40
10	0.70	0.70	-11.01	-9.10	2.10	0.40	3.00	-6.70	1.90
11	0.60	1.50	-11.51	-8.99	0.80	0.40	3.90	-6.70	2.10
12	0.60	2.00	-11.91	-8.69	0.20	0.50	4.00	-6.40	2.00
13	0.50	2.70	-12.11	-8.09	-0.70	0.40	3.90	-5.99	2.00
14	0.50	3.00	-12.40	-7.29	-1.30	0.50	3.90	-5.30	2.00
15	0.60	3.30	-12.50	-6.70	-2.00	0.40	3.90	-4.60	2.00
16	0.50	3.80	-12.40	-6.20	-2.70	0.10	3.90	-4.20	2.10
17	0.50	4.30	-12.50	-6.00	-3.40	-0.00	3.70	-3.90	2.10
18	0.50	4.90	-12.50	-5.80	-4.00	-0.20	3.50	-3.50	2.00
19	0.50	5.30	-12.50	-5.60	-4.80	-0.50	3.50	-3.10	2.10
20	0.10	5.60	-12.50	-5.50	-5.50	-0.90	3.30	-3.00	2.10
21	0.20	6.10	-12.50	-5.50	-6.10	-0.90	3.30	-3.00	2.30
22	0.40	6.40	-12.50	-5.00	-6.40	-1.00	3.00	-3.00	2.60
23	0.80	6.90	-12.50	-4.20	-6.91	-0.90	2.80	-3.00	2.60
24	1.00	7.20	-12.49	-3.80	-7.41	-0.90	2.40	-3.00	2.80
25	1.40	7.50	-12.19	-3.50	-8.00	-0.90	2.10	-3.00	2.90
26	1.70	7.80	-11.79	-3.20	-8.70	-0.90	1.70	-3.00	2.80
27	2.00	7.90	-11.28	-3.10	-9.30	-1.00	1.40	-3.00	2.50
28	2.50	7.90	-10.60	-3.00	-10.00	-1.00	1.00	-3.00	2.20
29	3.00	7.90	-10.39	-2.80	-10.70	-0.90	0.50	-3.00	2.00
30	3.50	7.90	-9.98	-2.10	-11.40	-1.00	0.00	-3.00	1.70
31	4.00	7.90	-9.08	-1.60	-12.10	-0.90	0.60	-3.00	1.40
32	4.20	7.69	-8.20	-1.00	-12.80	-0.90	1.10	-3.00	1.00
33	4.20	7.30	-7.99	-0.80	-13.50	-1.00	1.70	-3.00	0.70
34	4.10	7.10	-7.29	0.10	-14.20	-1.00	2.30	-3.00	0.70
35	4.00	6.70	-6.49	0.50	-14.90	-1.10	2.60	-3.00	0.70
36	4.00	6.20	-5.69	1.10	-15.60	-1.00	3.20	-3.00	0.70
37	3.80	5.69	-4.90	1.50	-16.30	-1.10	3.60	-3.00	0.80
38	3.60	4.90	-4.30	2.00	-17.00	-1.10	4.00	-3.00	0.70
39	3.50	4.30	-3.80	2.40	-17.70	-1.00	4.70	-3.00	0.70
40	3.40	3.30	-3.10	3.00	-18.40	-0.80	5.10	-3.00	0.50
41	3.50	2.10	-2.60	3.40	-19.10	-0.60	5.70	-3.00	0.20
42	3.20	1.30	-2.10	3.70	-19.80	-0.40	6.00	-3.00	-0.10
43	3.20	0.30	-1.60	3.90	-20.50	-0.40	6.40	-3.00	-0.40
44	3.20	-0.30	-1.00	4.20	-21.20	-0.20	6.60	-3.00	-0.60
45	3.20	-1.20	-0.40	4.50	-21.90	0.10	6.80	-2.50	-0.70
46	3.20	-2.00	0.10	4.90	-22.60	0.30	7.00	-2.00	-1.00
47	3.10	-2.80	0.50	5.10	-23.30	0.60	7.00	-1.60	-1.00
48	3.10	-3.70	1.10	5.20	-24.00	0.70	7.00	-1.30	-1.10
49	3.10	-4.40	1.70	5.30	-24.70	0.70	7.00	-0.70	-1.10
50	2.80	-5.31	1.80	5.20	-25.40	1.00	7.00	-0.20	-1.60

RECORD=S=577 COMPONENT=E=J SIGNAL=GR.ACC. CORRECTION=ARC.ERR. STATION=Y,CHITOSE=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT=NO,#301 TOTAL NUMBER OF DATA= 7000

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	-1.60	-3.00	-1.00	0.40	-4.60	1.80	-1.00	-5.20	-3.10	0.70
2	-1.60	-3.10	-0.80	-0.10	-4.30	1.30	-0.30	-5.20	-3.10	0.60
3	-1.60	-3.40	-0.70	-0.40	-4.00	0.80	0.50	-5.20	-3.20	1.10
4	-1.60	-3.70	-0.70	-0.80	-3.70	0.10	1.00	-5.20	-3.40	1.20
5	-1.60	-4.00	-0.30	-1.10	-3.10	-0.40	1.60	-5.20	-3.40	1.40
6	-1.30	-4.20	1.20	-1.40	-2.20	-1.00	2.20	-5.20	-3.40	1.50
7	-1.10	-4.50	1.60	-1.90	-1.60	-1.90	2.80	-4.40	-3.40	1.50
8	-0.90	-4.80	2.10	-2.50	-1.70	-2.60	3.60	-4.40	-3.20	1.50
9	-0.50	-4.60	2.40	-2.70	-1.40	-3.20	4.20	-4.10	-3.10	1.50
10	-0.30	-4.80	2.80	-3.10	-0.60	-4.00	4.70	-4.00	-3.00	1.50
11	-0.20	-4.80	3.40	-3.40	0.10	-4.60	5.00	-3.60	-2.80	1.30
12	-0.10	-4.80	4.00	-3.60	0.70	-5.20	5.00	-3.30	-2.40	1.30
13	0.	-5.10	3.80	-4.10	1.10	-5.80	5.30	-2.80	-2.00	1.40
14	0.	-5.20	4.10	-4.40	1.70	-6.30	5.30	-2.10	-1.70	1.30
15	0.	-5.10	5.00	-4.80	2.20	-6.70	5.30	-1.70	-1.40	1.30
16	0.	-5.10	5.10	-5.20	2.80	-7.21	5.30	-1.20	-1.00	1.50
17	0.	-5.20	5.40	-5.60	3.30	-7.71	5.30	-0.70	-1.00	1.90
18	0.00	-5.10	5.60	-6.00	3.90	-8.31	5.30	-0.40	-1.00	2.10
19	0.30	-5.20	5.80	-6.20	4.60	-8.91	5.00	0.	-0.90	2.30
20	0.40	-5.30	5.90	-6.50	5.10	-9.50	4.90	0.	-0.70	2.30
21	0.70	-5.60	6.00	-6.70	5.60	-9.30	4.40	0.	-0.20	2.30
22	0.60	-5.80	6.30	-7.00	5.90	-9.30	4.30	0.	0.30	2.30
23	0.70	-6.10	6.40	-7.00	6.41	-9.40	3.90	0.	0.50	1.90
24	0.60	-6.30	6.40	-7.00	7.00	-9.30	3.60	0.	0.50	1.40
25	0.80	-6.30	6.60	-6.90	7.40	-9.30	3.10	0.	0.50	1.10
26	0.90	-6.20	6.70	-7.00	7.71	-9.30	2.70	0.	0.60	0.60
27	1.10	-6.30	6.70	-7.00	8.10	-9.30	2.40	0.	0.50	0.40
28	1.50	-6.30	6.80	-7.00	8.40	-9.30	2.00	-0.10	0.50	-0.00
29	1.30	-6.20	6.70	-7.00	8.60	-9.40	1.70	-0.10	0.60	-0.40
30	1.30	-5.90	6.60	-7.00	8.60	-9.30	1.30	-0.10	0.60	-0.70
31	1.20	-5.50	6.40	-7.00	8.60	-9.40	1.20	-0.10	0.50	-1.00
32	1.50	-5.30	6.20	-6.90	8.60	-9.30	1.00	-0.20	0.50	-1.30
33	1.50	-5.00	6.10	-7.00	8.60	-9.39	1.00	-0.30	0.50	-1.30
34	1.20	-4.70	6.00	-7.00	8.60	-9.09	0.70	-0.30	0.30	-1.20
35	0.90	-4.40	5.40	-7.00	8.60	-8.60	0.40	-0.40	0.30	-1.30
36	0.60	-4.00	4.90	-7.00	8.60	-8.40	0.40	-0.70	0.30	-1.40
37	0.10	-3.10	4.50	-7.00	8.40	-8.19	0.40	-1.00	0.30	-1.50
38	-0.10	-2.70	4.20	-7.00	8.20	-7.60	0.40	-1.20	0.30	-1.70
39	-0.50	-2.70	3.90	-7.00	7.90	-7.60	0.40	-1.50	0.40	-2.00
40	-0.80	-2.70	3.50	-6.90	7.60	-7.20	0.40	-2.00	0.60	-2.10
41	-1.20	-2.70	3.20	-7.00	7.20	-6.80	0.40	-2.20	0.60	-2.50
42	-1.60	-2.80	2.80	-7.00	6.80	-6.40	0.40	-2.50	0.60	-2.50
43	-2.00	-2.40	2.40	-7.00	6.50	-6.10	0.40	-2.80	0.60	-2.50
44	-2.00	-2.70	2.10	-6.80	6.00	-5.50	0.40	-3.20	0.60	-2.90
45	-2.10	-2.70	1.90	-6.60	5.70	-5.10	0.40	-3.60	0.60	-2.90
46	-2.10	-2.80	1.90	-6.20	5.20	-4.50	0.40	-4.00	0.60	-3.00
47	-2.10	-2.70	1.90	-5.80	4.50	-4.00	0.40	-4.40	0.60	-3.40
48	-2.00	-2.40	1.60	-5.50	3.90	-3.60	0.40	-4.80	0.60	-3.70
49	-2.40	-2.00	1.20	-5.20	3.50	-3.00	0.40	-5.20	0.60	-3.90
50	-2.70	-1.40	0.80	-4.80	2.50	-2.00	0.40	-5.60	0.60	-3.10

NO.	(5500)	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)	(5900)	(5950)
1	-3.10	-6.00	3.60	-4.20	0.60	2.20	-3.20	0.	1.10	-1.70
2	-3.10	-5.90	3.40	-4.00	0.70	2.20	-2.90	-0.00	1.40	-1.50
3	-3.10	-6.00	3.30	-3.60	0.50	2.50	-2.50	-0.20	1.70	-1.20
4	-3.10	-5.80	3.40	-3.10	0.20	2.50	-2.30	-0.40	1.80	-1.20
5	-3.10	-5.80	3.40	-3.00	0.30	2.10	-2.20	-0.70	1.80	-1.20
6	-3.10	-5.70	3.30	-2.70	-0.00	2.10	-2.20	-0.80	1.80	-1.10
7	-3.00	-5.60	3.30	-2.70	0.10	1.90	-2.10	-0.80	1.70	-1.10
8	-2.80	-5.40	3.40	-2.40	-0.10	1.70	-2.00	-0.80	1.70	-1.00
9	-2.50	-5.00	3.30	-2.10	-0.10	1.30	-2.00	-1.00	1.60	-1.00
10	-2.20	-4.60	3.30	-1.80	-0.10	1.10	-2.00	-1.00	1.40	-1.00
11	-1.90	-4.10	3.20	-1.70	0.70	0.70	-1.70	-1.10	1.40	-1.00
12	-1.70	-3.80	3.00	-1.40	-0.10	0.40	-1.40	-1.60	1.40	-1.10
13	-1.50	-3.50	2.70	-1.40	-0.10	-0.10	-1.40	-2.00	1.40	-1.00
14	-1.20	-3.00	2.40	-1.10	-0.10	-1.00	-1.40	-2.30	1.10	-1.00
15	-1.00	-2.50	2.10	-0.80	0.30	-1.00	-1.40	-2.30	1.10	-1.00
16	-0.80	-2.00	1.70	-0.80	-0.30	-1.00	-1.40	-2.40	0.90	-1.10
17	-0.80	-1.80	1.10	-0.80	0.70	-2.00	-1.00	-2.40	0.70	-1.00
18	-0.70	-1.40	0.80	-0.60	-0.70	-2.40	-0.60	-2.30	0.70	-1.00
19	-0.80	-1.10	0.50	-0.40	-1.00	-3.10	-0.40	-2.40	0.70	-1.10
20	-0.80	-0.70	0.10	-0.10	-0.90	-3.60	-0.40	-2.40	0.70	-1.10
21	-0.70	-0.40	-0.40	0.30	-1.10	-4.00	0.20	-2.90	0.70	-1.00
22	-1.10	0.00	-0.80	0.20	-1.50	-4.00	0.50	-2.90	0.60	-1.00
23	-1.10	0.40	-1.20	0.40	-1.80	-4.30	0.80	-2.90	0.40	-0.80
24	-1.20	0.70	-1.20	0.20	-2.00	-5.00	1.20	-2.80	0.	-0.80
25	-1.40	1.10	-1.10	0.	-2.00	-5.30	1.60	-2.90	-0.00	-0.70
26	-1.40	1.20	-0.70	-0.00	-2.10	-5.20	1.70	-2.90	-0.40	-0.40
27	-1.50	1.50	-0.50	-0.60	-2.00	-5.60	1.70	-2.80	-0.80	0.00
28	-1.60	1.70	-0.30	-0.80	-1.80	-6.00	2.00	-2.90	-1.20	0.20
29	-2.00	1.80	-0.70	-0.80	-1.60	-6.20	2.00	-2.90	-1.20	0.20
30	-2.10	2.00	-1.00	-0.80	-1.40	-6.20	2.00	-2.90	-1.40	0.70
31	-2.60	2.10	-1.40	-0.80	-1.00	-6.20	2.00	-2.90	-1.40	0.90
32	-2.60	2.20	-1.70	-0.60	-0.60	-6.20	2.00	-2.80	-1.50	1.00
33	-2.80	2.30	-1.70	-0.80	-0.20	-6.20	2.00	-2.80	-1.60	1.20
34	-3.20	2.30	-1.40	-1.00	-0.10	-6.20	2.00	-2.80	-1.80	1.30
35	-3.50	2.30	-1.00	-1.00	0.20	-6.20	2.00	-2.80	-2.00	1.50
36	-3.70	2.30	-0.70	-1.00	0.70	-6.20	2.00	-2.70	-2.00	1.80
37	-4.10	2.30	-0.40	-1.00	1.10	-6.20	2.00	-2.60	-2.00	2.00
38	-4.30	2.30	-0.40	-1.00	1.20	-6.20	2.00	-2.50	-2.00	2.00
39	-4.80	2.30	-0.40	-1.00	1.20	-6.20	1.70	-2.30	-2.30	2.10
40	-5.10	2.60	-0.50	-1.00	1.20	-6.00	1.70	-2.20	-2.40	2.00
41	-5.40	2.90	-0.60	-0.70	1.40	-5.60	1.70	-2.00	-2.40	2.10
42	-5.70	3.10	-0.70	-0.60	1.80	-5.50	1.70	-1.90	-2.70	2.20
43	-6.00	3.30	-0.40	-0.40	2.00	-5.40	1.30	-1.40	-2.70	2.20
44	-6.00	3.30	0.00	0.00	2.20	-5.00	1.30	-1.10	-2.70	2.20
45	-6.00	3.30	0.30	0.30	2.20	-4.50	1.10	-0.70	-2.80	2.20
46	-6.00	3.30	0.60	0.60	2.20	-4.10	1.00	-0.10	-2.80	2.20
47	-6.00	3.40	0.70	0.70	2.20	-4.00	0.80	0.00	-2.60	2.40
48	-6.00	3.60	0.60	0.60	2.20	-4.00	0.70	0.20	-2.30	2.50
49	-6.00	3.60	0.60	0.60	2.20	-3.50	0.60	0.60	-2.10	2.60
50	-6.00	3.70	-0.50	0.60	2.20	-3.20	0.30	0.80	-1.70	2.60

RECORD=S*577
DATE AND TIME=1971-01-05-06-09

COMPONENTE=M
SAMPLING INTERVAL= 0.010(SEC)

SIGNAL=GR,ACC,
CORRECTION=ARC,ERR,
FORMAT NO.=301

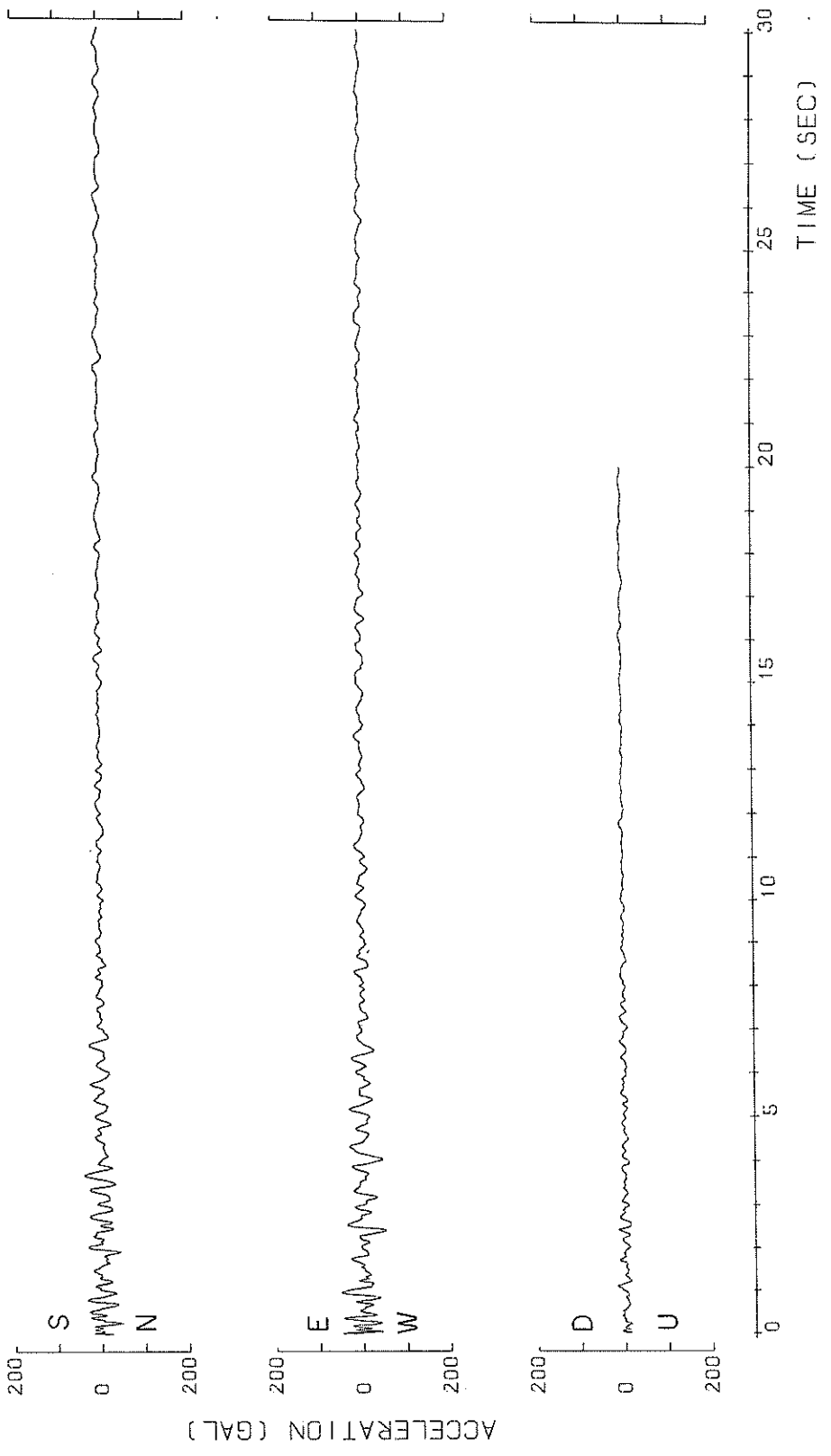
STATION=Y,CHITOSE=MS
TOTAL NUMBER OF DATA= 7000

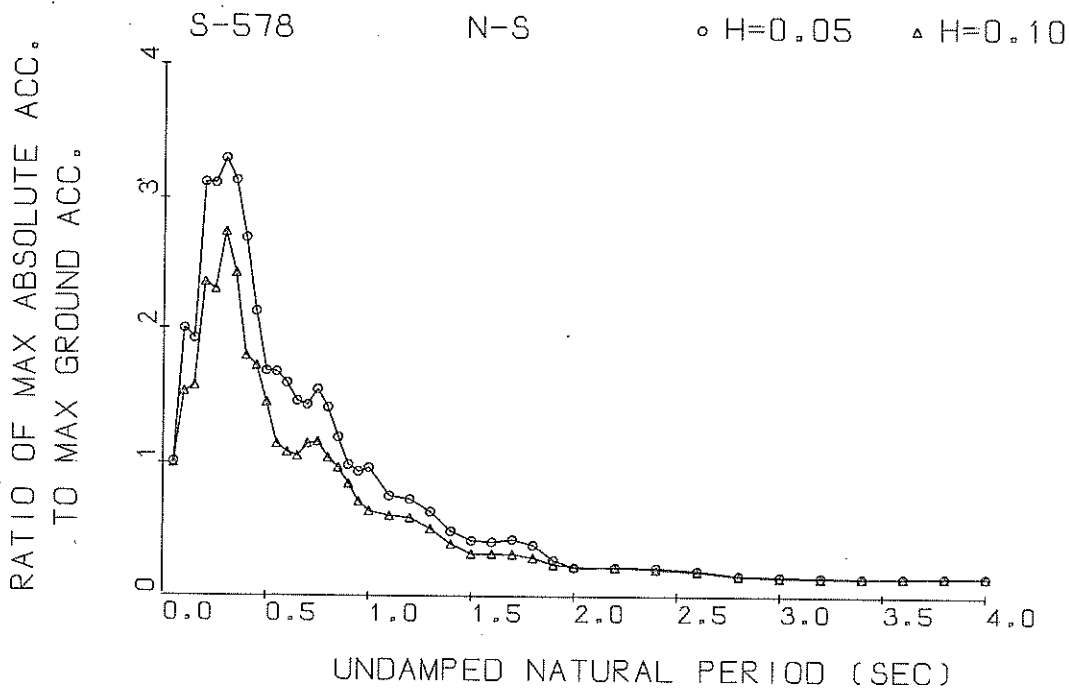
RECORDS=577 COMPONENT=E-W SIGNAL=GR, ACC. CORRECTION=APC, ERR. STATION=Y, CHITOSE-S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010 (SEC) FORMAT NO. 531A TOTAL NUMBER OF DATA= 7000

NO.	(6000)	(6050)	(6100)	(6150)	(6200)	(6250)	(6300)	(6350)	(6400)	(6450)
1	2.10	-3.80	4.00	3.30	-2.70	0.50	-2.40	3.20	0.90	1.30
2	2.20	-3.60	4.00	3.20	-2.70	1.10	-2.30	3.00	0.60	1.10
3	2.10	-3.80	4.10	3.00	-2.70	1.60	-2.30	2.80	0.60	1.10
4	2.20	-3.60	4.10	3.00	-2.70	1.80	-2.30	2.90	0.80	0.80
5	2.20	-3.40	4.30	3.00	-2.50	2.00	-2.30	2.40	0.	0.60
6	2.20	-3.00	4.40	3.00	-2.20	2.30	-2.30	2.20	-0.00	-0.60
7	2.10	-2.80	4.30	3.00	-2.00	2.70	-2.30	2.00	-0.10	-0.50
8	2.10	-2.40	4.40	3.40	-1.60	3.00	-2.60	1.70	-0.30	-0.50
9	2.30	-2.20	4.30	3.40	-1.60	3.30	-2.60	1.60	-0.50	-0.50
10	2.30	-1.80	4.40	3.60	-1.60	3.50	-2.60	1.40	-0.80	-0.50
11	2.30	-1.70	4.20	3.70	-1.60	3.50	-2.80	1.30	-0.90	-0.40
12	2.30	-1.40	4.30	3.70	-1.80	3.50	-3.00	1.00	-1.20	-0.40
13	2.00	-1.00	4.20	3.60	-2.00	3.50	-3.10	0.70	-1.40	-0.40
14	2.10	-0.80	4.40	3.30	-2.20	3.70	-3.10	0.60	-1.70	-0.40
15	2.10	-0.60	4.50	2.50	-2.40	3.70	-3.10	0.60	-1.70	-0.30
16	1.70	-0.60	4.60	2.00	-2.50	3.70	-3.40	0.20	-2.20	-0.20
17	1.40	-0.80	4.60	1.60	-2.80	3.70	-3.70	0.	-2.60	-0.20
18	1.10	-1.10	4.40	1.40	-2.70	3.60	-3.70	0.	-3.30	0.00
19	0.70	-1.10	4.30	1.10	-2.70	3.60	-4.00	0.20	-3.30	0.20
20	0.60	-1.10	4.20	0.60	-2.70	3.60	-4.20	0.30	-3.50	0.40
21	0.50	-1.10	4.00	0.30	-2.70	3.60	-4.20	0.30	-3.70	0.60
22	0.20	-1.10	3.80	0.00	-2.70	3.40	-4.40	0.50	-3.70	0.60
23	-0.20	-0.70	3.20	0.20	-2.70	3.40	-4.40	0.90	-3.80	0.60
24	-0.50	-0.70	2.90	0.60	-3.00	3.30	-5.00	1.10	-4.00	0.50
25	-1.10	-0.70	2.50	0.60	-3.40	3.00	-4.90	1.10	-4.00	0.40
26	-1.40	-0.70	2.20	0.80	-3.50	2.80	-4.90	1.10	-4.00	0.40
27	-1.70	-0.70	2.00	1.00	-3.70	2.50	-4.90	1.40	-4.00	0.30
28	-1.90	-0.60	1.50	1.00	-3.70	2.20	-4.90	1.70	-3.90	0.10
29	-2.20	-1.00	1.00	1.20	-3.70	1.90	-4.90	1.80	-3.80	-0.20
30	-2.50	-1.20	0.60	1.20	-3.70	1.90	-4.80	1.90	-3.70	-0.50
31	-2.50	-1.30	0.30	1.60	-3.70	1.80	-4.80	1.80	-3.70	-0.50
32	-2.50	-1.40	0.10	2.00	-3.70	1.50	-4.70	1.80	-3.50	-1.20
33	-2.50	-1.80	0.20	2.30	-3.70	1.50	-4.40	1.70	-3.50	-1.60
34	-2.50	-2.00	0.20	2.60	-3.70	1.30	-4.40	1.60	-3.50	-1.60
35	-2.50	-2.40	0.60	3.20	-3.80	1.30	-4.40	1.90	-3.40	-2.00
36	-2.40	-2.60	0.80	3.20	-3.70	0.90	-4.40	1.90	-3.30	-2.00
37	-3.10	-2.60	0.80	3.20	-3.40	0.70	-4.40	2.10	-3.20	-2.00
38	-3.40	-2.60	0.70	3.20	-3.40	0.30	-4.40	2.10	-3.20	-2.00
39	-3.40	-2.50	0.80	3.20	-3.30	0.10	-4.40	2.30	-3.20	-2.20
40	-3.40	-2.40	0.80	3.20	-3.00	0.10	-4.40	2.30	-3.20	-2.40
41	-3.40	-2.50	1.20	3.00	-2.70	0.10	-4.40	2.50	-3.20	-2.40
42	-3.40	-2.80	1.60	3.00	-2.40	-0.10	-4.40	2.50	-3.20	-2.30
43	-3.40	-2.80	1.80	3.00	-2.40	-0.40	-4.40	2.50	-3.10	-2.30
44	-3.50	-3.10	2.10	2.90	-2.20	-0.60	-4.30	2.50	-3.10	-2.30
45	-3.50	-3.30	2.70	2.70	-1.80	-1.00	-4.30	2.50	-3.10	-2.70
46	-3.70	-3.60	2.90	2.60	-1.20	-1.20	-4.10	2.40	-3.10	-3.10
47	-3.80	-4.00	3.20	2.60	-0.70	-1.60	-3.60	1.90	-3.00	-3.50
48	-3.80	-4.00	3.50	2.50	-0.30	-2.00	-3.60	1.60	-2.70	-3.80
49	-3.80	-4.40	3.50	2.70	-0.20	-2.20	-3.50	1.40	-2.20	-3.80
50	-3.80	-4.00	3.40	2.70	0.00	-2.30	-3.40	1.20	-1.80	-3.90

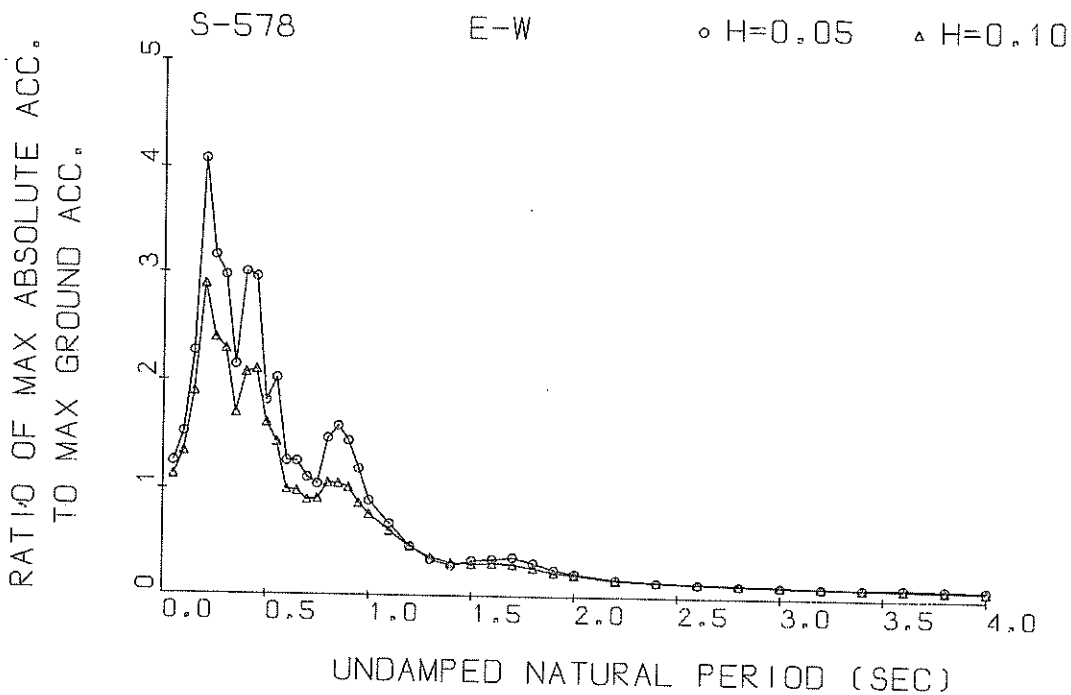
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1	-3.90	-0.50	-1.50	0.40	-3.40	-2.50	1.70	-2.90	1.20	-5.50
2	-3.90	0.40	-1.50	0.40	-3.40	-2.70	1.40	-2.90	1.10	-5.50
3	-4.00	-0.70	-1.50	0.40	-3.30	-2.90	1.10	-2.90	1.10	-5.50
4	-3.70	-0.90	-1.50	0.40	-3.10	-3.20	1.10	-2.90	1.10	-5.50
5	-3.50	-1.30	-1.50	-0.00	-3.00	-3.20	1.10	-3.10	1.10	-5.50
6	-3.50	-1.70	-1.50	-0.20	-2.60	-3.20	0.80	-3.10	1.20	-5.50
7	-3.20	-1.90	-1.50	-0.20	-2.40	-3.20	0.50	-3.10	0.90	-5.20
8	-2.80	-2.00	-1.80	-0.40	-2.40	-3.20	0.50	-3.10	0.90	-4.90
9	-2.80	-2.00	-1.80	-0.60	-1.70	-3.10	0.50	-3.10	0.70	-4.80
10	-2.60	-2.00	-2.00	-0.70	-1.30	-3.20	0.40	-3.10	0.60	-4.70
11	-2.60	-2.00	-2.00	-0.70	-1.00	-3.20	0.30	-3.00	0.40	-4.40
12	-2.50	-2.10	-2.10	-1.00	-0.30	-3.20	0.30	-2.90	0.10	-4.40
13	-2.20	-1.60	-2.10	-1.00	-0.80	-3.20	0.30	-2.70	0.10	-4.10
14	-2.00	-1.50	-2.10	-1.20	-0.50	-3.20	0.30	-2.70	0.10	-3.80
15	-1.60	-1.30	-2.10	-1.60	-0.10	-3.20	0.60	-2.70	0.10	-3.60
16	-1.60	-1.00	-2.10	-1.60	0.10	-3.20	0.70	-2.70	0.10	-3.40
17	-1.60	-1.00	-2.10	-2.00	0.30	-3.20	1.00	-2.60	0.00	-3.20
18	-1.60	-1.00	-2.10	-2.20	0.30	-3.20	1.10	-2.30	-0.40	-3.00
19	-1.60	-1.00	-2.10	-2.20	0.90	-3.20	1.10	-2.20	-0.60	-2.80
20	-1.20	-1.00	-2.10	-2.20	1.30	-3.20	1.10	-1.80	-0.70	-2.40
21	-1.10	-1.20	-2.10	-2.20	1.80	-3.10	1.10	-1.70	-1.00	-2.20
22	-1.10	-1.60	-2.10	-2.20	2.10	-2.80	1.10	-1.70	-1.20	-1.90
23	-1.10	-1.60	-2.10	-2.20	2.40	-2.40	1.10	-1.60	-1.20	-1.60
24	-1.10	-1.60	-2.10	-2.20	2.40	-2.20	1.10	-1.60	-1.20	-1.60
25	-0.80	-1.60	-2.10	-2.00	2.40	-2.10	1.10	-1.50	-1.20	-1.00
26	-0.80	-1.60	-2.10	-2.00	2.40	-2.00	1.10	-1.30	-1.20	-0.80
27	-0.50	-1.60	-2.10	-2.00	2.40	-1.60	1.10	-1.30	-1.20	-0.50
28	-0.30	-1.50	-2.10	-2.00	2.40	-1.60	1.10	-1.30	-1.40	-0.20
29	-0.10	-1.60	-2.10	-2.20	2.40	-1.20	1.10	-1.20	-1.40	-0.20
30	0.	-1.60	-2.10	-2.20	2.40	-1.10	1.10	-1.20	-1.40	-0.20
31	0.	-1.40	-2.10	-2.00	2.40	-0.80	1.10	-1.10	-2.00	0.50
32	0.	-1.30	-2.00	-2.00	2.40	-0.50	1.10	-1.00	-2.40	1.10
33	0.	-1.30	-1.60	-2.00	2.20	-0.20	1.10	-1.00	-3.00	1.50
34	-0.00	-1.20	-1.20	-2.00	2.10	-0.10	1.10	-1.00	-3.40	1.80
35	-0.10	-1.20	-1.20	-2.00	1.90	0.00	1.10	-0.80	-3.40	1.90
36	0.	-1.20	-1.30	-2.00	1.70	0.20	1.10	-0.60	-3.80	2.00
37	0.	-1.20	-1.00	-2.00	1.50	0.30	1.10	-0.40	-4.20	2.00
38	0.	-1.20	-0.80	-2.00	1.50	0.70	1.10	-0.20	-4.40	2.00
39	0.	-1.20	-0.70	-2.00	1.20	0.70	1.00	-0.00	-4.60	2.00
40	-0.00	-1.20	-0.50	-2.00	0.90	0.80	1.00	-0.10	-4.90	2.00
41	-0.10	-1.20	-0.20	-2.00	0.60	1.10	1.00	0.00	-5.20	2.00
42	-0.10	-1.30	0.	-3.00	0.10	1.40	1.00	0.10	-5.40	2.00
43	-0.10	-1.30	0.	-3.00	-0.60	1.80	1.20	0.30	-5.50	2.00
44	-0.10	-1.30	0.00	-3.00	-0.70	1.80	1.20	0.50	-5.50	2.00
45	0.	-1.30	0.10	-3.00	-1.20	1.80	1.20	0.70	-5.50	1.90
46	0.	-1.30	0.30	-3.00	-1.30	1.80	1.60	0.80	-5.50	1.80
47	0.	-1.30	0.40	-3.00	-1.60	1.80	1.80	1.00	-5.50	1.70
48	-0.00	-1.30	0.40	-3.00	-1.90	1.80	2.20	1.10	-5.50	1.70
49	-0.10	-1.30	0.40	-3.00	-2.10	1.80	2.80	1.10	-5.50	1.70
50	-0.20	-1.30	0.40	-3.40	-2.20	1.70	2.90	1.10	-5.50	1.70

S-578 NAGOYA-ZOKAN-S 1971-01-05-06-09

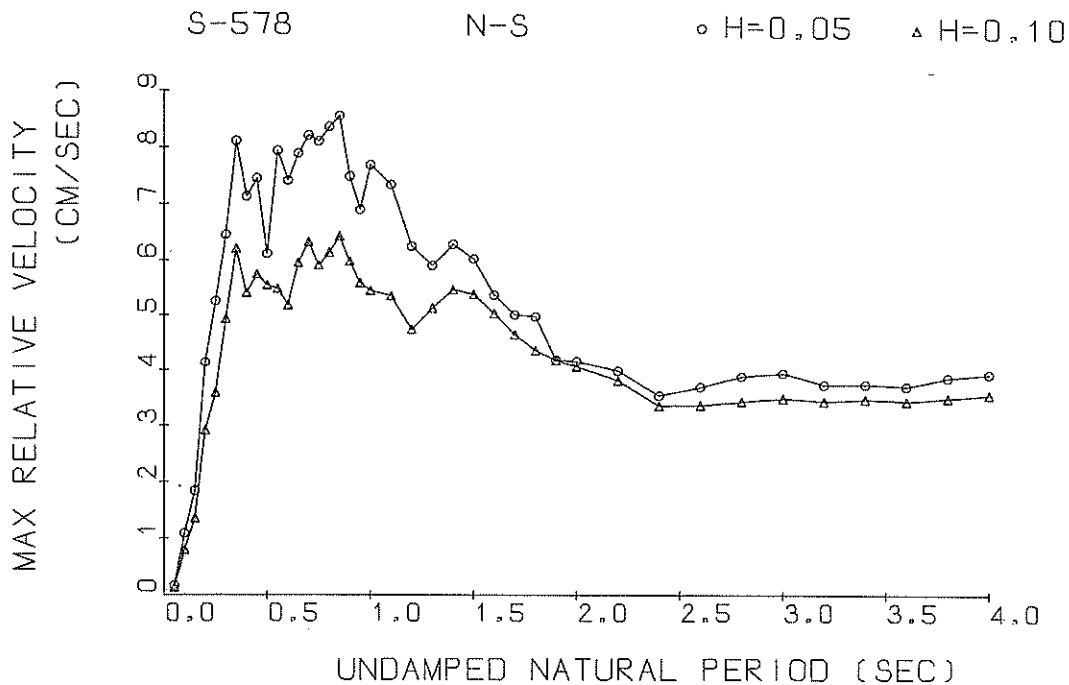




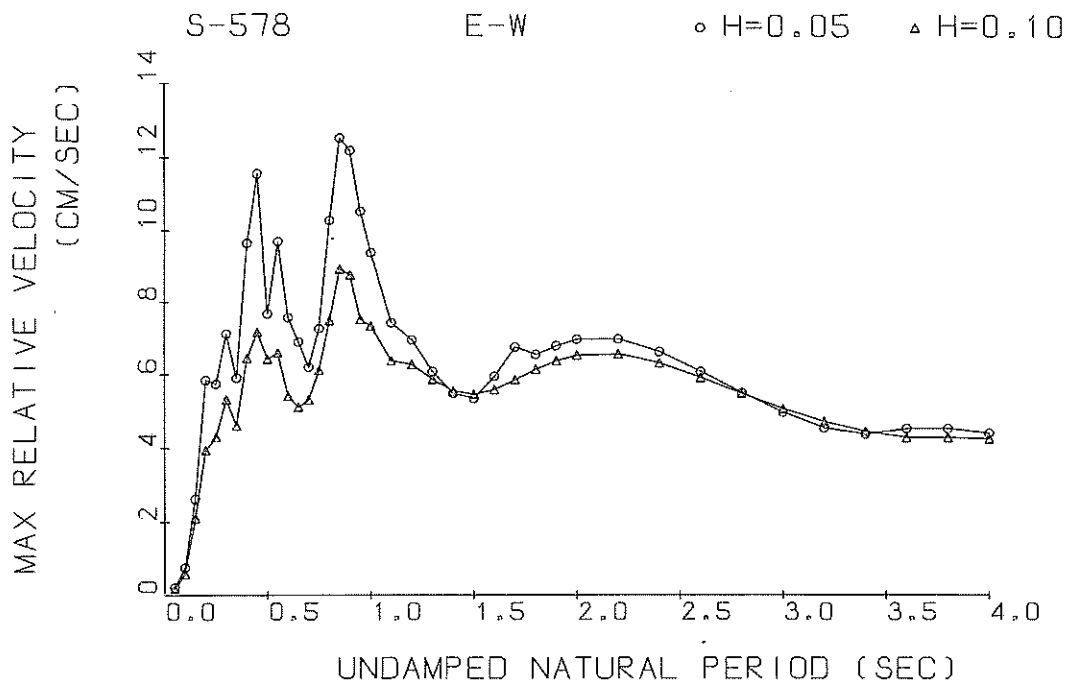
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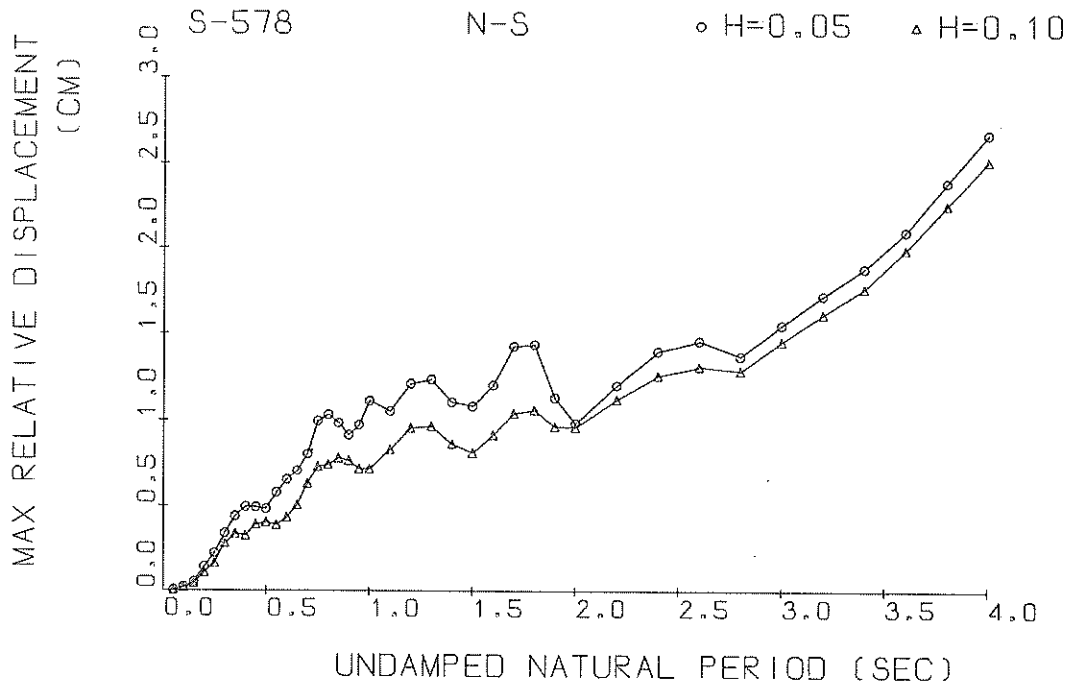
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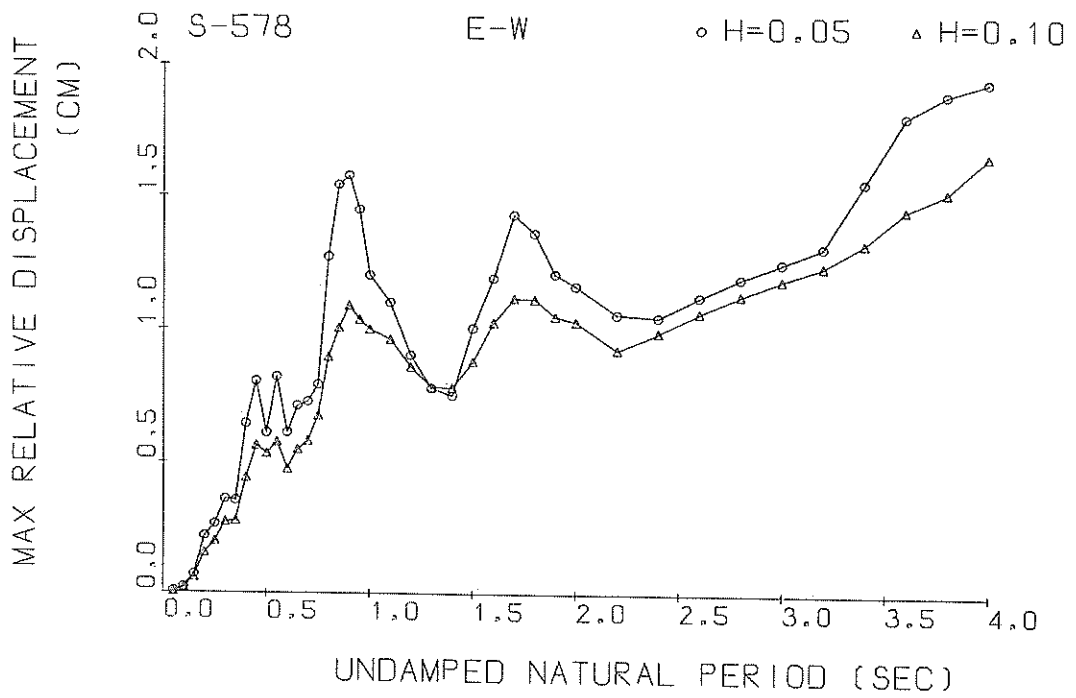
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Response Spectra



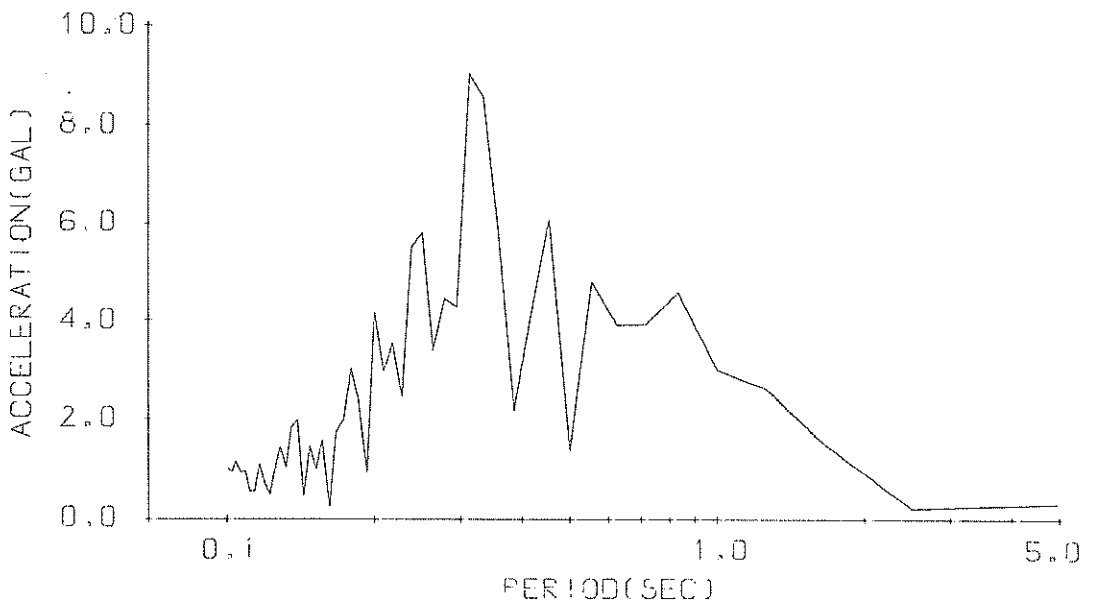
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Response Spectra

S-578 N-S

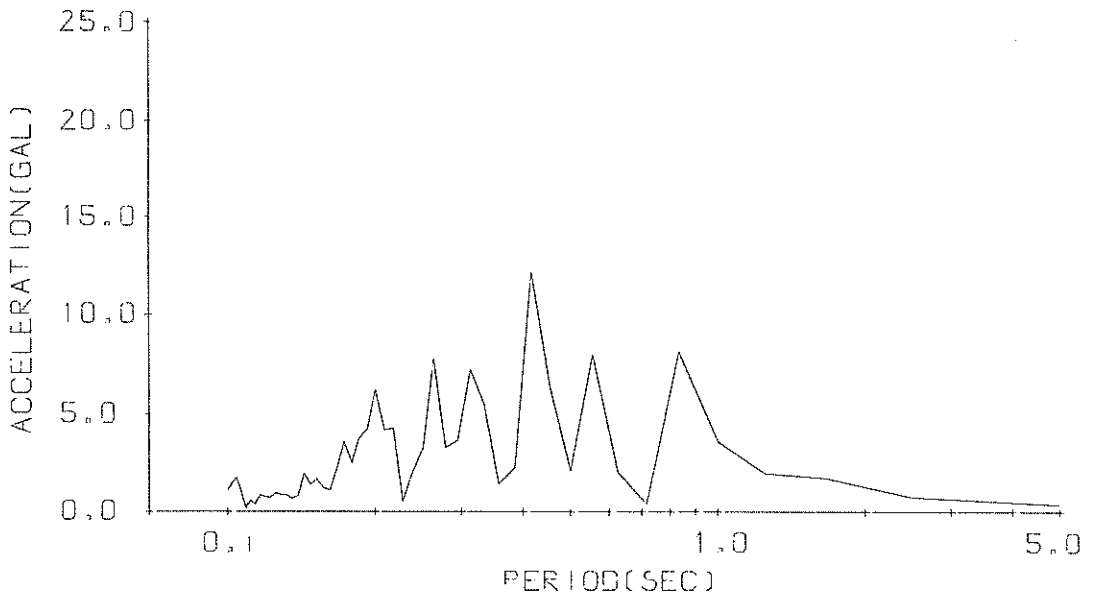
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TUS=5.00



Fourier Spectrum

S-578 E-W

TSK=0.00
TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-578 N-S 1971-01-05-06-09
 STATION = NAGOYA-ZOKAN-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 25.00(SEC) SKIPPED LENGTH = 0.20(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 45.50(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.006	45.79	16.49	0.158	0.0029
0.100	1.997	90.83	64.06	1.082	0.0231
0.150	1.919	87.30	73.59	1.842	0.0491
0.200	3.120	141.96	116.60	4.130	0.1420
0.250	3.113	141.64	130.66	5.247	0.2230
0.300	3.295	149.93	134.48	6.454	0.3407
0.350	3.131	142.45	148.15	8.109	0.4393
0.400	2.695	122.59	117.37	7.134	0.4958
0.450	2.129	96.84	113.18	7.455	0.4935
0.500	1.682	76.53	100.63	6.118	0.4829
0.550	1.674	76.16	110.35	7.944	0.5793
0.600	1.589	72.29	106.11	7.418	0.6546
0.650	1.458	66.32	82.89	7.901	0.7065
0.700	1.428	64.96	86.81	8.217	0.8019
0.750	1.544	70.26	94.13	8.110	0.9949
0.800	1.410	64.17	89.92	8.370	1.0337
0.850	1.189	54.11	82.20	8.563	0.9823
0.900	0.988	44.94	73.52	7.491	0.9145
0.950	0.938	42.69	63.54	6.897	0.9718
1.000	0.967	44.00	64.85	7.692	1.1090
1.100	0.759	34.53	50.63	7.348	1.0533
1.200	0.734	33.38	48.09	6.255	1.2098
1.300	0.638	29.03	45.70	5.910	1.2344
1.400	0.490	22.30	47.23	6.290	1.1022
1.500	0.418	19.01	50.53	6.030	1.0792
1.600	0.409	18.63	51.09	5.363	1.2019
1.700	0.429	19.52	50.03	5.008	1.4238
1.800	0.387	17.58	48.67	4.973	1.4344
1.900	0.273	12.44	47.77	4.188	1.1296
2.000	0.217	9.89	47.44	4.158	0.9834
2.200	0.220	10.01	47.70	3.990	1.2030
2.400	0.215	9.79	47.68	3.546	1.3980
2.600	0.192	8.73	46.75	3.710	1.4567
2.800	0.157	7.12	45.19	3.900	1.3708
3.000	0.151	6.88	45.02	3.962	1.5492
3.200	0.148	6.73	45.06	3.755	1.7207
3.400	0.143	6.52	45.09	3.759	1.8804
3.600	0.144	6.57	45.12	3.726	2.0999
3.800	0.147	6.71	45.15	3.885	2.3913
4.000	0.149	6.76	45.17	3.954	2.6743

RESPONSE SPECTRUM

RECORD = S-578/ N-S 1971-01-05-06-09
 STATION = NAGOYA-ZOKAN-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 25.00(SEC) SKIPPED LENGTH = 0.20(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 45.50(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACF (CM)
0.050	0.997	45.34	12.41	0.134	0.0029
0.100	1.529	69.58	44.24	0.803	0.0175
0.150	1.572	71.53	57.84	1.353	0.0403
0.200	2.350	106.92	82.66	2.908	0.1067
0.250	2.295	104.42	86.64	3.583	0.1620
0.300	2.739	124.60	100.59	4.922	0.2796
0.350	2.421	110.15	112.39	6.211	0.3355
0.400	1.791	81.50	100.02	5.396	0.3246
0.450	1.720	78.26	95.95	5.735	0.3921
0.500	1.448	65.86	89.53	5.536	0.4062
0.550	1.141	51.92	83.51	5.466	0.3887
0.600	1.081	49.17	79.79	5.179	0.4349
0.650	1.053	47.91	68.97	5.953	0.5051
0.700	1.145	52.10	69.00	6.329	0.6323
0.750	1.157	52.64	75.36	5.906	0.7298
0.800	1.039	47.25	75.15	6.147	0.7430
0.850	0.968	44.32	73.14	6.433	0.7788
0.900	0.848	38.59	67.91	5.974	0.7646
0.950	0.716	32.57	61.80	5.586	0.7182
1.000	0.644	29.28	55.97	5.438	0.7167
1.100	0.606	27.56	47.77	5.349	0.8300
1.200	0.591	26.87	45.06	4.741	0.9562
1.300	0.510	23.22	43.27	5.130	0.9646
1.400	0.393	17.88	44.77	5.465	0.8628
1.500	0.318	14.47	47.32	5.374	0.8100
1.600	0.319	14.52	48.27	5.033	0.9148
1.700	0.317	14.40	48.14	4.646	1.0410
1.800	0.290	13.20	47.61	4.355	1.0607
1.900	0.237	10.30	47.14	4.178	0.9623
2.000	0.221	10.07	46.90	4.068	0.9608
2.200	0.215	9.76	46.84	3.816	1.1199
2.400	0.204	9.50	46.64	3.364	1.2582
2.600	0.184	8.37	45.92	3.375	1.3100
2.800	0.156	7.11	44.80	3.445	1.2854
3.000	0.146	6.62	44.70	3.510	1.4544
3.200	0.143	6.50	44.76	3.455	1.6137
3.400	0.143	6.49	44.81	3.491	1.7628
3.600	0.147	6.58	44.85	3.453	1.9929
3.800	0.149	6.78	44.89	3.513	2.2576
4.000	0.150	6.82	44.93	3.578	2.5167

RESPONSE SPECTRUM

RECORD = S-578 E-W 1971-01-05-06-09
 STATION = NAGOYA-ZOKAN-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR,
 TIME LENGTH = 25.00(SEC) SKIPPED LENGTH = 0.20(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 53.30(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.253	66.78	20.53	0.216	0.0042
0.100	1.524	81.20	47.33	0.763	0.0206
0.150	2.270	120.98	104.21	2.614	0.0694
0.200	4.075	217.19	180.99	5.831	0.2173
0.250	3.155	168.14	136.19	5.724	0.2640
0.300	2.972	158.40	155.78	7.101	0.3598
0.350	2.144	114.29	104.74	5.889	0.3542
0.400	3.006	160.21	150.20	9.624	0.6452
0.450	2.961	157.85	164.94	11.550	0.8053
0.500	1.816	96.78	107.17	7.663	0.6102
0.550	2.022	107.79	124.77	9.667	0.8215
0.600	1.262	67.27	95.31	7.547	0.6108
0.650	1.258	67.06	84.14	6.884	0.7135
0.700	1.109	59.13	74.62	6.184	0.7295
0.750	1.049	55.91	70.63	7.258	0.7925
0.800	1.475	78.60	88.96	10.273	1.2676
0.850	1.588	84.64	100.97	12.520	1.5402
0.900	1.451	77.33	96.71	12.175	1.5758
0.950	1.194	63.64	91.09	10.520	1.4444
1.000	0.895	47.70	83.55	9.353	1.1979
1.100	0.678	36.14	70.47	7.413	1.0981
1.200	0.468	24.94	59.03	6.932	0.9008
1.300	0.343	18.29	59.36	6.068	0.7791
1.400	0.288	15.36	59.69	5.474	0.7519
1.500	0.335	17.83	59.91	5.346	1.0025
1.600	0.348	18.53	60.02	5.940	1.1880
1.700	0.368	19.60	60.01	6.744	1.4253
1.800	0.314	16.74	59.90	6.525	1.3550
1.900	0.250	13.35	59.73	6.772	1.2033
2.000	0.216	11.53	59.51	6.956	1.1599
2.200	0.163	8.68	58.97	6.970	1.0550
2.400	0.139	7.43	58.38	6.606	1.0447
2.600	0.128	6.83	57.80	6.066	1.1215
2.800	0.117	6.26	57.25	5.490	1.1881
3.000	0.108	5.74	56.75	4.969	1.2452
3.200	0.099	5.26	56.28	4.545	1.3027
3.400	0.100	5.35	55.87	4.371	1.5504
3.600	0.103	5.51	55.49	4.534	1.8018
3.800	0.097	5.18	55.15	4.535	1.8850
4.000	0.090	4.82	54.85	4.403	1.9321

RESPONSE SPECTRUM

RECORD = S-578 E-W 1971-01-05-06-09
 STATION = NAGOYA-ZOKAN-S INPUT SIGNAL = GR,ACC,
 SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ARC,ERR,
 TIME LENGTH = 25,00(SEC) SKIPPED LENGTH = 0,20(SEC)
 DAMPING COEFFICIENT = 0,100 MAX,GROUND ACC.= 53,30(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0,050	1,124	59,93	14,43	0,173	0,0038
0,100	1,344	71,66	30,86	0,582	0,0180
0,150	1,896	101,07	83,66	2,097	0,0577
0,200	2,886	153,84	117,64	3,925	0,1536
0,250	2,391	127,46	109,51	4,293	0,1987
0,300	2,290	122,05	111,65	5,310	0,2733
0,350	1,702	90,74	93,24	4,603	0,2763
0,400	2,073	110,50	101,01	6,440	0,4405
0,450	2,099	111,86	104,65	7,150	0,5632
0,500	1,613	85,98	92,76	6,415	0,5325
0,550	1,438	76,62	99,77	6,572	0,5755
0,600	0,997	53,16	79,75	5,403	0,4740
0,650	0,984	52,45	72,41	5,102	0,5481
0,700	0,901	48,01	70,40	5,307	0,5814
0,750	0,912	48,59	68,00	6,108	0,6764
0,800	1,061	56,55	65,75	7,466	0,8955
0,850	1,055	56,22	73,95	8,911	1,0038
0,900	1,021	54,40	78,19	8,744	1,0873
0,950	0,874	46,58	78,73	7,507	1,0349
1,000	0,768	40,96	76,87	7,322	0,9988
1,100	0,614	32,70	68,66	6,365	0,9613
1,200	0,463	24,65	60,35	6,263	0,8578
1,300	0,362	19,30	58,90	5,857	0,7829
1,400	0,313	16,70	59,11	5,527	0,7807
1,500	0,303	16,15	59,28	5,444	0,8796
1,600	0,311	16,55	59,36	5,582	1,0246
1,700	0,301	16,02	59,37	5,842	1,1144
1,800	0,270	14,37	59,31	6,125	1,1117
1,900	0,229	12,20	59,18	6,363	1,0472
2,000	0,202	10,78	59,01	6,518	1,0273
2,200	0,155	8,24	58,59	6,557	0,9222
2,400	0,144	7,65	58,11	6,310	0,9868
2,600	0,133	7,09	57,63	5,909	1,0606
2,800	0,123	6,56	57,15	5,470	1,1259
3,000	0,114	6,07	56,71	5,060	1,1826
3,200	0,105	5,62	56,30	4,713	1,2322
3,400	0,098	5,22	55,92	4,443	1,3169
3,600	0,091	4,85	55,58	4,282	1,4451
3,800	0,085	4,52	55,27	4,286	1,5123
4,000	0,081	4,31	54,99	4,252	1,6521

RECORDS=578
 DATE AND TIME=1971-01-05 06:09

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

CORRECTION=ARC,ERR,
 FORMAT NO.=301

STATION=NAGOYA=ZOKAN+S
 TOTAL NUMBER OF DATA= 3000

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.00	26.34	-8.48	14.18	28.39	-8.69	2.10	-32.53	-0.10	9.02
2	-25.64	27.43	1.00	11.52	29.32	-2.20	5.32	-31.00	-1.30	10.23
3	16.15	25.34	3.00	8.85	29.27	1.00	8.90	-28.29	-2.20	11.50
4	2.85	20.64	4.80	6.89	28.27	2.50	9.09	-25.86	-3.00	11.50
5	5.29	14.81	3.90	4.50	25.71	1.40	8.25	-22.75	-3.60	11.58
6	-3.10	8.95	3.10	3.60	22.07	-1.80	5.19	-18.79	-5.01	10.99
7	-2.81	5.78	3.10	2.40	16.36	-7.98	3.49	-14.78	-6.32	10.55
8	5.76	2.60	4.92	1.70	10.59	-14.15	-0.40	-10.12	-8.44	8.66
9	0.50	0.10	9.74	0.80	6.26	-17.74	-4.02	-6.45	-11.07	9.88
10	13.72	-2.00	11.66	1.70	1.50	-22.71	-8.96	-0.90	-13.89	3.79
11	16.39	-7.76	13.60	-4.82	-1.70	-25.28	-16.18	4.42	-16.17	1.40
12	11.24	-12.67	13.47	-8.56	-3.40	-25.55	-16.18	10.24	-17.39	-0.50
13	5.37	-17.70	10.21	-12.41	-2.00	-23.69	-19.34	16.56	-17.11	-2.20
14	0.60	-24.17	6.16	-15.71	-0.90	-20.97	-20.90	21.35	-15.72	-3.10
15	-2.49	-31.13	1.70	-17.60	0.40	-16.38	-20.90	26.82	-14.18	-3.10
16	2.01	-35.20	-3.82	-17.48	1.00	-9.44	-20.83	30.94	-13.65	-2.50
17	11.55	-34.92	-11.44	-15.71	0.30	-1.20	-20.02	34.94	-12.46	-1.20
18	16.65	-37.70	-16.40	-13.91	-2.40	5.33	-19.20	37.11	-11.38	-0.20
19	18.88	-37.70	-19.97	-11.75	-5.11	10.20	-19.15	38.10	-10.70	1.40
20	8.48	-36.53	-23.16	-10.08	-6.40	14.77	-18.58	37.86	-10.69	2.50
21	0.90	-33.05	-25.20	-9.40	-6.48	18.57	-18.24	36.31	-10.19	4.00
22	-10.67	-25.14	-24.92	-9.43	-9.43	22.25	-17.35	32.90	-10.70	4.80
23	-18.23	-15.04	-22.82	-10.85	-1.00	24.58	-16.51	29.94	-9.69	5.10
24	-27.71	2.61	-20.34	-12.75	3.41	25.80	-14.89	25.68	-9.59	3.10
25	-36.27	17.59	-17.28	-14.00	8.58	25.80	-12.63	21.43	-8.70	4.39
26	-41.75	24.14	-10.92	-13.95	13.62	25.60	-10.40	16.82	-8.39	2.40
27	-45.50	25.87	-4.09	-12.66	16.59	24.04	-5.95	12.27	-7.69	-0.40
28	-43.53	29.89	0.20	-11.45	18.11	21.22	0.70	8.54	-7.19	-3.01
29	-36.04	32.63	2.30	-9.57	18.03	18.32	5.33	4.08	-6.69	-7.06
30	-26.04	33.40	3.40	-8.08	15.59	14.51	10.69	0.60	-5.80	-12.33
31	-14.41	32.28	3.40	-7.00	13.51	10.41	14.25	5.84	-5.20	-16.43
32	-4.00	27.43	2.80	-7.02	11.28	6.65	17.84	-11.44	-4.80	-20.33
33	-3.30	24.69	1.20	-9.26	10.70	1.00	21.35	-16.52	-4.80	-22.84
34	-5.09	14.95	0.20	-12.61	10.73	-0.03	23.90	-22.00	-4.80	-24.00
35	-3.37	6.44	0.60	-16.09	12.00	-10.42	25.30	-24.89	-5.31	-23.91
36	7.17	-0.90	0.60	-21.53	12.00	-15.61	25.23	-26.80	-6.51	-23.10
37	13.88	-5.52	0.30	-27.33	11.92	-19.80	24.58	-26.46	-7.91	-21.30
38	18.57	-9.07	1.00	-33.80	9.31	-23.44	22.75	-23.86	-9.01	-19.20
39	24.75	-13.21	2.00	-38.30	4.57	-26.00	19.41	-18.88	-9.30	-16.68
40	25.77	-16.23	3.61	-41.70	1.20	-26.00	13.64	-13.87	-9.29	-13.09
41	21.23	-20.30	5.72	-43.85	-6.04	-25.89	7.20	-7.92	-8.67	-10.02
42	13.55	-23.84	9.04	-42.49	-11.53	-25.11	1.50	-6.58	-6.58	-6.46
43	0.70	-27.55	11.34	-36.61	-16.26	-24.47	-7.48	-2.00	-4.39	-2.00
44	-8.34	-31.10	12.55	-28.54	-21.06	-24.19	-14.27	5.10	-1.50	-0.10
45	-10.82	-33.73	14.28	-20.87	-26.06	-23.15	-20.66	5.70	0.00	2.70
46	-7.53	-32.81	16.08	-12.53	-28.30	-20.94	-25.68	5.69	4.20	5.42
47	-1.50	-29.67	17.54	-1.99	-28.82	-19.04	-39.03	4.30	2.30	8.43
48	7.22	-26.29	18.10	10.09	-24.86	-13.08	-31.58	3.30	5.51	10.32
49	16.03	-19.68	18.00	19.19	-20.77	-33.86	-33.86	2.00	7.21	11.51
50	22.90	-13.69	16.47	26.33	-15.26	-1.40	-33.86	0.80	8.41	11.50

RECORD=S=578	COMPONENT=N+S	SIGNAL=GR,ACC.	CORRECTION=ARC,ERR.	STATION=NAGOYA*ZOKAN=S				
DATE AND TIME=1971-01-05-06-09	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 3000					
NO.	(500)	(600)	(700)	(750)	(800)	(850)	(900)	(950)
1	11.49	21.60	-5.99	-7.84	3.30	-8.40	-13.82	6.51
2	11.17	20.58	-2.00	-2.99	1.80	-8.39	-11.95	7.51
3	10.17	19.27	-0.40	0.60	-0.20	-7.09	-10.37	8.31
4	8.97	17.59	2.50	3.00	-2.10	-6.99	-9.19	8.70
5	6.11	14.44	5.43	4.91	-4.21	-6.29	-8.49	8.70
6	5.29	11.02	9.85	6.10	-6.52	-5.60	-8.00	8.69
7	3.19	8.72	12.29	6.00	-8.92	-5.60	-7.70	8.29
8	0.70	6.81	15.15	6.10	-10.22	-6.51	-7.59	7.79
9	-1.60	4.20	18.36	5.49	-11.11	-7.04	-7.29	7.29
10	-4.11	-10.20	21.86	4.70	-11.40	-7.81	-6.39	6.49
11	-6.82	-9.98	23.45	4.00	-11.68	-8.30	-5.70	5.19
12	-8.92	-8.98	24.60	2.60	-10.68	-8.38	-5.70	3.79
13	-10.25	-7.68	24.60	0.60	-9.99	-7.18	-5.70	1.90
14	-11.64	-5.98	24.54	-1.20	-9.88	-5.39	-5.70	0.10
15	-13.04	-3.79	23.95	-2.90	-8.59	-3.49	-5.49	-0.29
16	-14.04	-1.20	22.68	-4.40	-7.99	-0.40	-3.79	-2.30
17	-14.93	1.40	20.65	-4.90	-6.89	2.00	-1.80	-3.70
18	-15.60	5.83	17.93	-4.90	-6.19	4.71	-0.50	-3.10
19	-15.99	8.67	14.13	-4.90	-4.79	7.12	1.40	-3.40
20	-15.50	13.13	10.31	-4.90	-2.60	8.90	3.20	-1.60
21	-15.10	16.67	6.47	-5.20	-0.40	8.89	4.91	-1.70
22	-15.55	19.45	2.89	-5.20	2.20	8.28	5.90	-2.30
23	-16.45	21.23	0.60	-5.19	4.51	6.89	5.90	-4.50
24	-17.20	21.50	2.40	-4.40	7.11	5.49	5.90	-2.90
25	-17.15	21.30	7.94	-3.50	8.00	3.99	5.99	-2.50
26	-16.51	19.11	11.07	-2.60	8.19	3.99	4.79	-2.90
27	-14.77	15.57	13.79	-1.70	7.69	6.70	3.60	-2.40
28	-12.01	12.98	16.14	-1.00	6.59	0.90	2.10	-2.40
29	-9.24	9.84	18.76	-0.50	5.69	-0.90	0.00	-1.70
30	-6.07	6.66	20.74	0.50	4.79	-2.50	1.40	-4.50
31	-2.60	3.29	21.06	-0.70	3.70	-3.30	1.40	-3.80
32	0.70	1.10	20.64	-0.70	3.70	-3.40	1.40	-3.50
33	3.41	1.20	19.94	-1.30	2.80	-2.50	1.40	-4.00
34	5.82	1.70	18.80	-1.70	2.20	-1.20	1.40	-4.50
35	8.04	-6.12	18.23	-2.00	1.60	0.00	1.40	-4.80
36	10.64	-8.01	18.84	-2.10	1.40	1.00	0.00	-4.80
37	12.45	-9.03	17.43	-1.40	0.90	2.20	1.70	-4.30
38	13.94	-10.08	16.33	-0.40	0.40	2.90	1.60	-4.30
39	14.80	-10.96	15.15	0.40	0.40	2.80	1.40	-4.30
40	14.71	-8.10	14.16	1.10	0.00	2.00	1.40	-4.10
41	12.83	-14.95	13.15	1.90	-0.00	1.00	1.40	-3.70
42	10.75	-15.96	11.77	3.00	-0.30	0.40	1.40	-3.30
43	8.86	-17.09	10.77	4.10	-0.60	-0.40	1.40	-3.10
44	6.78	-18.56	9.58	5.11	-1.60	-0.23	0.90	-3.10
45	4.90	-19.36	8.80	6.10	-2.40	-9.43	0.30	-3.80
46	4.80	-20.00	8.81	6.20	-2.90	-11.05	0.30	-5.01
47	4.20	-20.04	9.30	5.80	-3.60	-13.17	1.30	-6.51
48	4.30	-20.56	10.18	5.20	-4.40	-15.14	2.40	-8.02
49	3.60	-21.25	9.18	5.20	-5.51	-15.90	3.40	-9.62
50	3.60	-21.70	-6.48	4.60	-6.71	-15.85	4.40	-10.70
				4.20	-7.81	-14.95	5.31	-10.68

RECORD=S-578 COMPONENT=N-S SIGNAL=GR.ACC, CORRECTION=ARC.ERR, STATION=NAGOYA-ZOKAN-S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	9.98	1.40	0.50	-10.62	-5.10	-8.19	1.00	1.70	-2.00	1.00
2	-8.87	1.80	0.50	-11.42	-4.20	-7.59	-3.10	1.30	-2.00	-1.80
3	-6.98	1.90	0.50	-12.12	-3.40	-6.39	-4.41	0.70	-2.40	-1.60
4	-4.99	2.30	0.20	-12.71	-2.90	-5.29	-5.70	0.30	-3.00	-2.10
5	-3.40	2.30	0.30	-13.10	-1.40	-3.69	-5.70	0.30	-3.50	-2.10
6	-1.60	2.30	0.80	-13.10	-0.60	-1.20	-6.41	0.30	-4.00	-2.20
7	0.70	2.30	1.50	-13.10	0.00	0.80	-7.51	0.60	-4.20	-2.10
8	0.50	2.30	2.60	-13.10	0.60	2.60	-8.41	0.60	-4.20	-2.00
9	1.30	2.10	3.90	-13.10	1.00	4.00	-9.22	0.60	-3.80	-1.80
10	2.30	1.80	4.60	-13.10	1.80	5.30	-10.32	1.00	-3.50	-1.60
11	2.70	1.40	5.31	-13.00	2.20	5.60	-11.11	1.60	-3.00	-1.30
12	2.70	1.10	6.21	-12.89	2.70	5.80	-11.40	2.10	-2.60	-1.20
13	2.70	0.70	6.90	-12.68	3.30	5.80	-11.38	2.40	-2.00	-1.00
14	1.90	0.40	7.20	-12.49	3.90	5.80	-10.77	3.20	-2.00	-1.00
15	0.60	0.00	7.19	-11.98	4.40	5.30	-9.37	3.50	-2.00	-1.00
16	0.10	0.10	6.60	-11.89	4.60	4.70	-7.68	4.00	-2.00	-1.00
17	0.60	0.80	6.19	-11.09	5.00	4.10	-6.39	4.00	-2.00	-1.60
18	-2.00	-1.20	4.79	-10.58	4.90	3.50	-5.70	4.00	-2.00	-1.80
19	-3.10	-1.90	3.10	-9.79	5.00	2.40	-5.20	4.00	-1.60	-2.40
20	-4.20	-2.40	2.00	-9.38	4.90	1.10	-4.50	4.00	-1.00	-2.70
21	-5.21	-2.80	0.90	-8.58	4.20	-0.40	-4.20	4.10	-0.30	-2.70
22	-6.11	-3.30	0.30	-7.59	5.70	-1.80	-3.70	4.40	0.30	-2.70
23	-7.31	-3.80	2.20	-6.79	5.70	-3.90	-3.00	4.80	0.70	-2.20
24	-7.81	-4.20	3.00	-5.99	5.20	-4.81	-2.50	5.20	1.30	-1.40
25	-8.50	-4.20	3.10	-5.20	4.60	-6.01	-1.60	5.60	1.60	-0.70
26	-8.150	-4.20	3.10	-4.50	3.80	-7.51	-0.90	6.00	1.70	-0.20
27	-8.49	-4.20	2.80	-4.00	2.90	-8.70	0.10	6.20	1.20	0.
28	-8.00	-4.00	2.70	-3.40	1.60	-9.01	0.10	6.30	0.40	-0.00
29	-8.00	-4.00	2.70	-2.60	0.40	-9.30	0.10	6.30	-0.30	-0.50
30	-7.79	-4.00	2.70	-2.00	-0.70	-9.30	0.10	6.30	-1.00	-1.00
31	-6.99	-4.00	3.50	-1.80	-1.60	-9.40	-0.50	6.99	-2.10	-2.70
32	-6.29	-3.90	3.50	-0.20	-2.80	-9.30	-1.00	6.30	-2.80	-4.00
33	-5.70	-3.70	3.90	0.30	-4.00	-9.30	-1.50	5.30	-2.90	-5.31
34	-5.10	-3.40	3.80	1.10	-5.00	-9.39	-2.00	6.00	-2.90	-6.40
35	-4.20	-2.90	3.90	1.80	-5.30	-8.99	-2.60	6.30	-3.10	-6.70
36	-3.80	-2.50	3.40	1.80	-5.30	-8.39	-3.20	6.30	-3.10	-7.20
37	-2.80	-1.60	3.10	1.70	-5.30	-7.89	-3.20	6.30	-3.60	-7.21
38	-1.80	0.00	2.20	2.00	-5.20	-7.28	-3.20	6.00	-4.20	-7.80
39	-1.30	0.80	1.10	1.90	-5.00	-5.79	-3.20	5.60	-4.60	-8.11
40	0.00	2.30	-0.20	1.90	-4.70	-4.39	-3.20	5.30	-4.90	-8.81
41	1.40	2.50	-1.80	1.80	-4.50	-2.20	-3.20	5.20	-5.00	-9.61
42	2.80	2.60	-3.20	1.10	-4.20	-0.60	-2.80	5.20	-5.00	-10.01
43	3.80	2.30	-4.10	0.10	-4.20	1.90	-2.00	5.00	-4.69	-10.51
44	4.30	1.30	-4.80	-0.80	-4.70	2.50	-1.40	5.00	-3.40	-11.11
45	4.30	0.40	-5.31	-2.00	-5.10	3.60	-0.70	4.80	-2.00	-11.40
46	4.30	0.	-6.21	-3.40	-5.91	3.80	0.20	4.40	-1.20	-11.50
47	3.90	0.	-7.11	-5.20	-6.41	3.80	1.10	4.10	-0.70	-11.49
48	3.10	0.	-8.02	-6.00	-7.61	2.90	1.70	3.70	-0.50	-11.09
49	2.30	0.	-9.12	-6.00	-8.20	1.80	2.10	3.00	-0.50	-10.59
50	1.40	0.00	-10.01	-5.79	-8.20	0.30	2.20	2.40	-0.50	-9.98

RECORD=S-578 COMPONENT=N-S SIGNAL=CR,ACC, CORRECTION=ARC,ERR, STATION=NAGOYA=ZOKAN=S TOTAL NUMBER OF DATA= 3000
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-9.09	7.00	7.39	0.40	2.30	-0.50	5.40	3.00	0.80	6.90
2	-8.39	7.20	6.59	0.40	2.30	-0.80	-2.30	2.40	-1.00	-6.70
3	-7.59	7.20	5.39	-0.00	2.40	-1.00	-1.20	2.00	0.90	-6.29
4	-6.69	7.29	4.10	-0.50	2.30	-1.00	0.40	1.60	-0.90	-5.40
5	-5.59	6.79	3.20	-1.30	2.30	-1.00	0.10	1.40	-0.90	-4.60
6	-4.80	6.19	2.30	-1.80	2.10	-1.00	1.80	1.00	-1.00	-3.80
7	-4.20	5.49	1.10	-2.50	1.00	-1.00	2.30	0.50	-1.80	-2.90
8	-3.70	4.69	0.00	-2.70	0.30	-1.00	3.10	0.20	-2.60	-1.60
9	-3.10	2.80	0.80	-3.10	-0.50	-1.00	3.60	0.30	-3.30	-0.70
10	-2.40	1.60	1.70	-2.70	-1.50	-1.00	3.60	0.60	-3.70	0.00
11	-1.40	-0.30	2.70	-2.70	-2.30	-2.00	3.60	1.00	-4.20	1.00
12	-0.50	-1.70	3.40	-2.70	-3.20	-2.70	3.60	1.20	-4.80	2.30
13	0.30	-3.61	3.60	-2.70	-4.10	-3.30	3.50	1.40	-5.20	3.40
14	0.70	-6.42	4.20	-3.00	-4.70	-3.60	3.10	1.60	-5.50	4.40
15	0.70	-8.33	4.10	-3.50	-4.50	-4.00	2.80	1.60	-5.80	5.20
16	0.60	-10.24	4.00	-4.10	-4.20	-4.20	2.50	1.60	-6.00	5.90
17	0.70	-11.83	3.70	-4.60	-4.20	-3.80	2.20	1.50	-6.40	6.40
18	0.60	-12.70	3.20	-5.10	-4.20	-3.80	2.20	1.50	-6.40	6.90
19	0.40	-12.80	2.50	-5.60	-4.20	-3.80	2.20	1.50	-6.60	7.20
20	-0.00	-12.80	2.10	-5.80	-4.20	-3.80	1.70	1.50	-6.60	7.20
21	-0.30	-12.78	1.60	-5.80	-4.20	-3.80	1.00	1.60	-6.30	7.20
22	-0.80	-12.67	1.10	-5.80	-4.20	-3.80	0.30	1.60	-6.00	7.20
23	-1.30	-11.17	0.60	-5.80	-4.20	-3.80	0.30	2.40	-5.60	7.10
24	-1.80	-9.98	0.40	-5.80	-4.60	-3.80	2.60	2.80	-5.60	6.90
25	-2.40	-9.09	0.00	-5.80	-4.60	-3.80	4.41	3.20	-5.60	6.50
26	-2.80	-8.58	-0.20	-5.80	-4.60	-3.80	6.32	3.50	-6.00	6.00
27	-3.30	-7.59	-0.20	-5.80	-4.60	-3.80	8.12	4.00	-6.20	5.50
28	-3.80	-6.39	0.60	-5.80	-4.60	-3.80	9.42	4.20	-6.61	4.80
29	-4.20	-5.79	1.00	-5.80	-4.60	-4.60	10.51	4.30	-7.20	4.10
30	-4.80	-5.10	1.60	-5.50	-4.30	-4.70	10.80	4.40	-7.60	3.10
31	-5.40	-4.20	-2.20	-5.30	-3.80	-4.90	10.89	4.40	-8.01	2.00
32	-6.00	-3.70	-3.50	-5.00	-3.40	-5.20	10.60	4.40	-8.40	0.60
33	-6.00	-2.90	4.90	-4.70	-2.90	-5.60	10.39	4.40	-8.70	-0.20
34	-6.00	-2.90	5.70	-4.50	-2.90	-6.00	9.79	4.20	-9.00	-1.00
35	-6.00	-2.90	5.80	-4.30	-2.90	-6.00	9.19	4.20	-9.20	-1.80
36	-6.00	-2.90	5.80	-4.00	-2.90	-6.31	8.19	4.10	-9.30	-1.80
37	-6.00	-2.90	5.30	-3.10	-3.00	-7.01	8.49	3.90	-9.39	-1.70
38	-6.00	-3.20	4.80	-2.10	-2.90	-7.51	8.00	3.70	-8.99	-1.50
39	-5.59	-3.60	4.40	-1.00	-2.90	-8.30	7.69	3.50	-8.70	-1.50
40	-4.70	-3.80	4.10	0.00	-2.40	-8.60	7.30	3.30	-8.40	-1.50
41	-3.80	-4.20	4.10	0.80	-1.80	-8.70	6.89	3.10	-8.30	-1.50
42	-2.40	-4.60	4.10	1.60	-1.60	-8.70	6.30	2.90	-8.00	-1.50
43	-1.50	-4.90	3.60	2.50	-1.00	-8.70	5.80	2.50	-7.90	-1.50
44	0.40	-5.10	3.10	3.10	-0.60	-8.70	5.30	1.70	-7.69	-1.50
45	1.70	-5.40	2.60	3.10	-0.50	-8.69	5.00	1.10	-7.30	-1.50
46	3.00	-5.90	2.20	3.10	-0.50	-8.09	4.30	0.80	-7.80	-1.50
47	4.50	-6.20	1.60	3.10	-0.50	-7.49	4.00	0.40	-7.30	-1.50
48	5.30	-6.30	1.00	3.00	-0.50	-6.59	3.70	0.00	-7.30	-1.50
49	5.60	-6.71	0.50	2.70	-0.50	-5.49	3.50	0.40	-7.30	-1.60
50	6.21	-7.40	0.00	2.50	-0.50	-4.40	3.20	0.50	-7.30	-1.50

RECORD=S=578	COMPONENT=N-S	SIGNAL=GR,ACC.	CORRECTION=ARC,ERR,	STATION=NAGOYA-ZOKAN-S						
DATE AND TIME=1971-01-05-06-09	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 3000							
NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	1,70	0,20	2,30	5,00	3,10	11,28	4,80	8,90	3,10	5,00
2	2,00	0,	2,00	5,00	3,10	10,57	4,50	8,90	2,80	5,20
3	2,30	0,	2,30	5,10	2,80	9,47	4,20	8,90	2,30	5,40
4	2,60	0,	1,50	5,10	2,50	8,08	4,10	8,89	1,80	5,50
5	2,80	0,00	1,30	5,10	2,00	7,00	3,80	8,60	1,40	5,50
6	3,10	0,40	1,30	5,10	1,50	6,60	3,50	8,29	1,00	5,50
7	3,40	0,60	1,30	5,10	1,00	6,20	3,10	7,49	0,60	5,50
8	3,50	1,10	1,30	5,10	0,60	5,70	2,60	6,99	0,60	4,50
9	3,80	1,20	1,30	5,00	0,30	5,60	2,00	6,39	0,60	4,50
10	4,00	1,40	1,20	4,60	0,90	5,70	1,30	5,69	0,60	4,00
11	4,30	1,40	1,30	4,30	1,70	5,70	0,50	4,90	0,60	3,50
12	4,60	1,40	1,30	4,80	2,40	5,70	0,00	4,20	1,10	3,20
13	5,00	1,40	1,00	5,70	3,50	5,60	0,50	3,80	1,60	2,90
14	5,20	1,50	0,70	6,70	4,40	5,70	1,00	3,10	2,00	2,60
15	5,70	1,40	0,40	8,20	5,30	5,60	1,60	2,30	2,50	2,00
16	5,90	1,40	0,20	9,20	6,00	5,60	2,40	1,70	2,80	1,90
17	6,50	1,40	0,20	9,20	6,50	5,60	3,10	1,00	3,00	1,90
18	6,60	1,10	0,20	9,30	6,60	5,20	3,20	0,40	2,80	1,90
19	6,90	0,60	0,50	9,40	6,80	4,80	3,20	0,	2,70	1,80
20	7,30	0,00	0,80	9,40	6,70	4,20	3,20	0,00	2,60	1,00
21	7,50	0,50	1,20	9,50	6,80	3,70	3,20	0,40	2,60	0,60
22	7,50	1,00	1,60	9,50	6,50	3,20	3,20	0,30	2,60	0,30
23	1,70	1,80	3,50	8,50	6,10	2,90	3,20	0,30	2,80	0,10
24	7,50	2,60	2,20	9,50	5,50	2,60	3,20	0,30	3,20	0,10
25	7,30	3,50	2,20	9,30	5,19	2,20	3,20	0,00	3,40	0,40
26	7,00	4,40	2,10	9,30	4,19	1,80	3,20	0,40	3,50	0,60
27	7,00	5,00	1,80	9,10	2,80	1,50	3,20	0,90	3,60	0,60
28	6,70	5,70	1,60	9,20	0,10	1,00	3,20	1,50	3,80	0,40
29	6,40	6,11	1,30	9,10	2,50	0,60	3,20	2,20	4,00	0,10
30	6,00	6,90	1,00	9,00	4,00	0,60	3,20	2,80	4,00	0,50
31	5,70	7,30	1,00	8,60	5,41	0,60	3,20	3,80	4,00	0,50
32	5,40	7,60	1,00	8,20	7,11	0,40	3,20	4,20	4,00	1,30
33	5,30	7,50	1,10	8,10	8,01	0,40	3,20	4,60	4,00	1,80
34	5,30	7,50	1,30	8,10	8,81	1,10	3,20	4,80	4,00	2,40
35	5,30	7,50	1,70	8,20	9,62	1,90	3,20	5,10	3,80	3,10
36	5,30	7,50	2,10	8,20	10,41	2,30	3,20	5,30	3,70	4,00
37	5,30	7,50	2,60	8,20	10,91	3,00	3,50	5,50	3,50	4,90
38	5,30	7,50	3,00	8,60	11,31	3,70	3,80	5,50	3,20	4,90
39	5,40	7,30	3,50	8,40	11,82	4,40	4,40	5,50	2,90	6,30
40	5,30	6,90	3,80	8,40	12,52	5,10	4,80	5,50	2,70	6,70
41	4,60	6,90	4,20	8,60	13,21	5,80	5,20	5,50	2,60	7,00
42	4,50	6,70	4,50	8,70	13,51	6,20	5,60	5,50	2,70	6,90
43	4,30	6,30	4,70	8,70	13,70	6,20	5,90	5,50	2,70	6,90
44	4,30	6,00	5,00	8,70	13,81	6,10	6,20	5,20	2,70	6,90
45	4,70	5,40	5,40	8,50	14,00	6,20	6,60	5,00	2,60	6,90
46	4,30	5,10	5,20	8,40	14,10	6,20	6,91	4,90	2,80	6,90
47	2,00	4,60	5,00	8,20	14,07	5,90	7,40	4,70	3,10	6,90
48	1,20	4,00	5,00	8,00	13,48	5,60	7,81	4,50	3,50	6,90
49	1,00	3,50	5,00	7,80	12,87	5,60	8,31	4,20	4,10	6,90
50	0,30	2,90	5,00	7,50	11,98	5,20	8,70	3,50	4,70	6,90

RECORD=S-578 COMPONENT=N-S SIGNAL=BR,ACC. CORRECTION=ARC,ERR, STATION=NAGOYA-ZOKAN=S
 DATE AND TIME=1971-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-6.80	-5.10	0.80	-4.70	-0.10	-3.10	-2.70	-8.60	-9.30	-1.70
2	-6.80	-5.40	0.60	-4.10	-0.10	-2.70	-2.70	-8.29	-9.40	-1.20
3	-6.60	-5.80	1.10	-3.30	-0.60	-2.10	-2.30	-7.89	-9.50	-0.60
4	-6.20	-6.30	1.50	-2.90	-0.90	-1.60	-1.90	-7.40	-9.40	-0.10
5	-5.80	-6.80	1.70	-2.50	-1.20	-1.00	-1.60	-7.10	-9.40	0.30
6	-5.40	-6.90	2.20	-2.00	-1.70	-0.50	-1.30	-6.70	-9.40	1.10
7	-5.30	-7.00	2.60	-1.80	-3.00	-0.50	-1.00	-6.30	-9.40	2.00
8	-5.00	-7.30	3.00	-1.80	-4.40	-0.60	-0.60	-5.99	-9.29	3.00
9	-4.80	-7.71	3.40	-1.70	-5.61	0.10	-0.40	-5.30	-8.99	3.80
10	-4.40	-8.21	3.60	-1.70	-6.41	0.60	-0.20	-4.70	-8.59	4.70
11	-4.20	-8.71	4.00	-1.70	-7.31	1.00	0.20	-4.10	-8.19	5.50
12	-3.70	-9.11	4.40	-1.80	-8.21	1.10	0.40	-3.00	-7.60	5.90
13	-3.20	-9.41	4.80	-1.60	-9.21	1.10	0.60	-2.20	-7.20	6.40
14	-2.90	-9.71	5.20	-1.30	-9.71	0.90	1.00	-1.20	-6.80	6.70
15	-2.50	-10.01	5.60	-0.90	-10.21	0.70	1.40	-0.50	-6.40	6.70
16	-2.10	-10.31	5.80	-0.50	-10.71	0.70	1.80	0.40	-6.20	6.60
17	-1.60	-10.60	6.00	0.00	-11.11	0.50	1.40	1.10	-6.10	6.30
18	-1.00	-10.60	6.10	0.00	-11.40	0.40	1.40	1.80	-5.90	5.80
19	-0.60	-10.60	6.10	0.30	-11.30	0.10	1.40	2.50	-5.50	5.60
20	-0.30	-10.60	6.00	0.30	-11.40	-0.00	1.40	3.10	-5.10	5.20
21	0.00	-10.39	5.80	0.40	-11.40	-0.20	1.10	3.70	-4.60	4.80
22	0.30	-10.80	4.99	0.40	-11.40	-0.50	0.70	4.20	-4.20	4.50
23	0.70	-9.99	3.60	0.60	-11.39	-0.60	0.40	4.60	-4.20	4.20
24	1.00	-9.50	2.30	1.20	-11.10	-0.50	0.00	4.60	-4.20	4.20
25	1.30	-9.29	1.20	1.50	-10.99	-0.60	0.40	4.60	-4.20	3.50
26	1.80	-8.79	0.50	1.10	-10.70	-0.60	0.80	4.60	-4.20	3.10
27	1.70	-8.29	1.80	0.80	-10.50	-0.60	1.30	4.50	-4.20	2.90
28	1.80	-7.79	3.00	0.60	-10.30	-0.60	1.70	4.60	-4.20	2.20
29	2.10	-7.19	4.10	0.30	-10.10	-0.60	2.20	4.50	-4.20	1.90
30	2.00	-6.60	4.80	-0.10	-9.99	-0.60	2.60	4.60	-4.20	1.60
31	2.10	-6.20	5.81	-0.50	-9.60	-0.60	3.10	4.60	-4.20	1.50
32	2.10	-5.60	6.71	-0.90	-9.39	-0.70	3.70	4.40	-4.00	1.40
33	2.10	-5.30	7.61	-1.20	-9.10	-1.00	4.20	4.10	-4.30	1.40
34	2.30	-5.00	8.61	-0.70	-8.99	-1.30	4.80	3.40	-4.70	1.00
35	2.80	-4.50	9.00	-0.50	-8.49	-1.50	5.60	3.00	-4.80	0.90
36	2.70	-4.20	9.21	-0.40	-7.99	-1.80	6.31	2.00	-4.80	0.50
37	2.00	-4.80	9.61	-0.40	-7.40	-2.40	7.01	1.10	-5.00	0.10
38	1.40	-3.50	10.10	-0.30	-7.00	-2.80	7.71	0.10	-5.10	-0.40
39	1.00	-3.50	10.00	-0.30	-6.60	-3.10	8.31	-0.90	-5.20	-1.50
40	0.50	-3.50	9.80	-0.30	-6.20	-3.40	8.91	-1.80	-5.10	-1.50
41	-0.00	-3.50	9.60	-0.10	-5.90	-3.80	9.51	-2.80	-5.20	-1.80
42	-0.60	-3.50	9.60	-0.20	-5.90	-4.10	9.60	-3.80	-5.20	-2.10
43	-1.20	-3.50	9.39	-0.10	-5.50	-4.40	9.40	-4.70	-5.20	-2.50
44	-1.70	-3.40	8.79	-0.10	-5.00	-4.10	9.40	-5.40	-4.70	-3.00
45	-2.60	-2.80	7.99	-0.10	-4.70	-4.10	9.40	-6.20	-4.20	-3.80
46	-3.50	-2.50	7.30	-0.10	-4.20	-3.80	9.30	-7.01	-3.70	-4.70
47	-4.10	-2.00	6.89	-0.10	-4.00	-3.60	9.40	-7.70	-3.60	-5.20
48	-4.50	-1.60	6.30	-0.10	-4.00	-3.60	9.40	-8.01	-2.60	-5.20
49	-4.80	-1.00	5.80	-0.10	-3.70	-3.00	9.39	-8.01	-2.60	-5.20
50	-4.90	-0.30	5.120	-0.10	-3.40	-2.70	8.99	-8.61	-2.10	-5.10

RECORD=S=578 COMPONENT=E=W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=NAGOYA-ZOKAN-S
 DATE AND TIME=1971-01-05-06-09 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	0.00	1.00	33.77	-4.00	3.00	27.00	0.90	5.90	-38.76	-8.04
2	47.84	5.42	30.59	-3.20	3.00	32.06	-3.81	5.90	-42.43	-9.01
3	26.56	8.77	24.84	-1.90	3.00	35.39	-6.71	5.40	-45.95	-9.82
4	-7.26	7.17	17.92	2.00	3.00	36.09	-8.11	4.69	-47.14	-10.81
5	-43.09	4.09	8.67	3.10	2.70	35.58	-8.80	3.99	-46.16	-11.42
6	-44.87	1.20	1.10	3.99	2.20	34.67	-8.80	4.09	-44.09	-12.11
7	-25.67	-1.80	-2.91	1.70	0.70	33.46	-8.80	0.80	-41.58	-12.32
8	4.05	-3.80	-11.03	-0.10	-2.50	31.96	-8.80	4.41	-37.49	-13.04
9	18.39	-3.80	-19.32	-2.00	-5.82	28.92	-8.80	6.62	-32.84	-14.03
10	18.39	-3.80	-18.55	-2.90	-8.13	26.70	-8.82	8.61	-28.41	-14.86
11	3.66	-4.20	-20.41	-2.90	-10.16	23.67	-9.82	9.18	-25.18	-16.00
12	-9.70	-5.43	-20.50	-3.00	-12.75	21.68	-11.09	8.29	-21.97	-15.95
13	-18.92	-9.70	-20.50	1.30	-14.16	18.54	-14.63	7.49	-17.17	-14.92
14	-15.99	-14.57	-20.62	5.32	-15.60	15.14	-17.72	6.40	-13.54	-13.31
15	-2.48	-18.49	-21.87	8.44	-15.46	11.33	-22.50	6.00	-9.61	-10.89
16	8.98	-22.11	-22.55	11.38	-12.78	9.55	-26.27	6.01	-4.98	-6.76
17	19.47	-22.10	-22.83	14.31	-9.31	7.08	-29.58	6.71	-1.30	-2.89
18	23.84	-20.81	-21.15	17.01	-4.48	4.99	-32.46	8.03	4.62	-0.10
19	24.95	-16.76	-17.21	20.38	-0.80	3.00	-33.58	8.14	5.72	5.72
20	19.67	-12.51	-8.60	22.44	2.40	2.10	-32.79	11.05	9.04	9.04
21	8.24	1.00	2.09	24.66	3.80	2.20	-30.79	12.95	11.87	11.87
22	-14.33	6.69	6.73	26.58	-5.11	2.80	-27.71	13.80	14.38	14.09
23	-25.97	15.66	9.60	27.60	6.01	2.80	-23.24	-13.85	16.17	15.30
24	-29.09	18.29	9.46	27.27	6.80	4.10	-15.78	-12.64	17.40	15.25
25	-33.99	15.16	2.10	25.23	6.81	4.10	-11.57	-10.83	17.48	14.22
26	-37.93	8.48	-1.80	22.99	7.91	2.80	-3.98	-8.06	18.68	12.33
27	-41.70	0.80	6.25	18.57	8.38	1.30	3.11	19.84	19.84	10.24
28	-41.69	-9.67	-12.08	13.05	6.87	-1.30	9.79	21.61	21.61	7.46
29	-35.79	-18.05	-11.53	9.09	4.38	-6.75	14.04	23.67	23.67	4.39
30	-25.50	-22.90	-9.17	3.18	-0.10	-11.47	17.32	25.14	25.14	2.40
31	-9.126	-25.27	7.38	-8.01	-5.76	-14.15	19.05	28.93	28.93	-0.00
32	3.01	-31.48	-5.60	-6.03	-14.16	-17.67	19.70	30.40	30.40	-3.21
33	10.61	-37.47	-5.61	-10.45	-20.38	-20.19	19.59	30.34	30.34	-6.82
34	19.80	-39.14	-6.73	-12.40	-24.80	-18.31	18.40	30.30	30.30	-8.63
35	31.45	-37.67	-10.07	-15.40	-28.10	-13.38	17.14	29.16	29.16	-10.53
36	41.64	-34.47	-13.44	-12.37	-34.90	-15.32	16.23	21.34	21.34	-11.72
37	46.67	-27.98	-16.91	-11.50	-40.11	-9.85	14.94	22.68	24.11	-12.90
38	45.83	-17.49	-17.04	-11.38	-44.99	-2.99	13.63	23.21	19.53	-12.48
39	40.14	-7.36	-16.15	-10.68	-48.35	3.92	11.86	22.29	14.05	-11.78
40	29.45	4.15	-15.26	-8.99	-50.12	9.53	10.58	20.09	10.50	-11.19
41	10.83	18.00	-14.36	-6.98	-52.35	11.20	9.88	15.20	6.17	-11.00
42	-2.92	30.31	-13.43	-8.78	-53.30	14.81	8.88	3.76	2.30	-11.02
43	-14.33	39.18	-11.71	-7.58	-52.08	17.22	7.49	0.20	-0.80	-11.63
44	-24.39	44.57	-8.78	-5.88	-48.95	19.01	6.69	8.18	-2.80	-12.53
45	-29.84	48.99	-7.59	-2.80	-42.49	18.33	6.10	13.64	4.20	-13.45
46	-28.72	51.07	-6.59	-1.10	-35.04	16.77	6.10	19.68	4.20	-14.83
47	-22.27	50.41	-5.00	1.00	-22.94	14.66	5.00	23.10	4.80	-15.45
48	-17.35	46.40	-4.10	2.90	-12.45	11.69	5.80	25.89	5.61	-16.46
49	-10.61	40.76	-4.00	2.10	-7.64	8.02	5.80	29.67	6.61	-17.40
50	-3.109	36.20	-4.00	2.90	-18.87	2.00	5.90	34.47	7.21	-17.40

RECORDS=578	COMPONENT=E-W	SIGNAL=GR,ACC,	CORRECTION=ARC,ERR,	STATION=NAGOYA-ZOKAN-S						
DATE AND TIME=1971-01-05-06-09	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	-17.31	7.10	14.20	-29.53	0.30	2.80	2.20	-15.19	-8.49	7.50
2	-15.95	7.09	14.26	-29.95	0.90	3.30	0.80	-14.97	-7.79	7.60
3	-14.92	5.99	13.35	-29.08	1.60	3.90	-0.30	-14.38	-7.40	7.49
4	-13.20	4.89	11.93	-27.82	2.30	4.30	-2.20	-13.88	-7.40	6.90
5	-10.53	3.90	9.54	-26.19	3.10	4.80	-3.70	-13.38	-7.30	6.80
6	-7.76	3.20	6.28	-24.70	3.80	4.80	-5.30	-12.77	-7.30	6.20
7	-4.39	3.20	3.89	-22.41	4.40	4.80	-5.80	-11.77	-7.70	5.79
8	-1.50	3.80	1.80	-19.80	4.40	4.20	-5.79	-10.77	-6.68	5.40
9	2.61	4.30	-0.20	-17.43	4.50	3.00	-4.50	-9.67	-6.10	4.70
10	6.85	4.60	-2.90	-14.86	5.10	1.90	-3.50	-8.37	-5.69	4.40
11	12.07	5.60	-5.11	-12.02	5.40	-0.00	-2.70	-6.38	-4.39	4.20
12	17.64	5.80	-7.22	-9.56	6.21	-2.40	-2.00	-3.99	-2.30	3.70
13	22.62	5.89	-8.82	-7.78	7.11	-4.00	-1.00	-1.50	-1.40	3.40
14	24.67	4.99	-10.10	-6.09	7.90	-5.31	-0.20	1.00	0.30	2.20
15	26.90	3.89	-10.17	-4.39	8.19	-7.00	0.20	4.21	1.60	1.50
16	29.28	0.20	-8.87	-3.10	7.79	-7.40	0.20	6.72	2.10	0.90
17	29.95	-3.40	-7.38	-1.60	6.67	-7.59	0.20	8.82	1.90	-0.80
18	29.03	-5.22	-5.69	-0.40	3.69	-6.99	0.30	10.12	1.30	-1.00
19	27.17	-8.93	-3.69	0.60	1.20	-6.30	0.20	11.00	0.50	-1.50
20	23.55	-10.84	-1.80	2.00	-2.91	-5.79	0.90	10.95	-0.00	-2.20
21	19.73	-12.35	0.50	3.81	-5.93	-5.10	1.90	9.16	-0.90	-2.50
22	17.60	-13.98	3.10	6.01	-9.65	-4.20	4.61	7.09	-0.20	-2.80
23	13.22	-15.94	5.42	7.11	-12.37	-3.10	6.01	6.19	-3.60	-2.50
24	8.44	-18.45	8.85	7.91	-14.46	-1.70	7.91	4.59	-4.51	-2.40
25	4.59	-19.10	11.57	8.61	-15.80	-0.20	8.93	2.90	-6.01	-1.70
26	2.20	-19.06	14.01	9.51	-15.77	1.20	10.45	2.20	-7.00	-1.70
27	-0.20	-18.53	16.74	9.82	-15.17	2.20	12.72	2.20	-7.00	-1.70
28	-2.60	-17.53	19.12	10.61	-14.57	2.50	13.24	2.90	-7.00	-2.80
29	-4.81	-16.48	20.68	11.10	-13.97	2.60	14.44	3.50	-7.00	-4.00
30	-7.12	-14.44	21.57	11.10	-13.28	2.20	15.42	3.90	-6.60	-4.90
31	-9.43	-13.10	22.20	11.09	-12.80	1.80	15.80	3.90	-6.20	-5.81
32	-11.24	-10.33	22.20	10.69	-12.80	1.30	15.77	4.00	-5.59	-6.94
33	-12.78	-7.48	22.15	10.29	-12.80	1.00	15.15	3.20	-4.60	-7.71
34	-15.04	-5.89	21.65	9.79	-12.78	0.50	14.11	2.10	-3.90	-8.72
35	-17.90	-4.70	21.10	9.39	-12.07	-0.10	11.92	0.90	-3.20	-9.72
36	-19.49	-4.10	19.92	8.78	-11.15	-1.40	9.23	-0.20	-2.80	-10.72
37	-21.89	-4.10	17.82	7.49	-9.26	-2.50	5.68	-1.30	-1.30	-11.52
38	-23.76	-5.00	15.24	6.59	-7.07	-4.21	2.29	-2.80	-1.00	-12.21
39	-24.90	-5.21	12.06	5.09	-4.39	-5.31	-0.30	-1.20	-0.30	-12.50
40	-24.85	-6.10	7.53	3.80	-2.90	-6.81	-0.23	-0.10	0.10	-12.58
41	-24.26	-6.10	2.00	2.40	-1.70	-7.90	-9.37	-0.60	0.60	-12.58
42	-22.21	-5.49	-1.50	1.20	0.80	-12.95	-7.71	-1.50	1.50	-11.77
43	-19.41	-3.29	-6.96	0.10	0.10	-14.45	-8.82	2.20	2.20	-10.79
44	-15.89	-0.80	-12.77	-0.50	0.90	-15.63	-10.02	3.30	3.30	-10.38
45	-12.16	1.70	-14.70	-1.40	1.60	-16.23	-10.91	5.00	5.00	-9.38
46	-7.176	4.81	-17.00	-1.40	2.00	-16.80	-11.40	6.21	6.21	-8.38
47	-3.59	7.43	-20.47	-1.10	2.00	-16.78	-11.38	7.60	7.60	-6.59
48	0.30	9.93	-24.46	-0.70	2.10	-16.47	-11.38	7.60	7.60	-4.59
49	3.81	11.16	-26.47	-0.50	2.30	-15.98	-10.77	7.60	7.60	-3.20
50	6.01	13.14	-28.14	-0.20	2.40	-15.67	-10.77	7.60	7.60	-3.20

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	*1.00	2.40	-10.40	*4.00	3.10	-8.82	*4.60	*0.80	*9.39	*2.80
2	1.90	2.00	-10.28	-4.70	2.50	-9.83	-4.80	*0.50	-8.79	-3.50
3	3.71	1.90	*9.59	-5.21	1.90	-11.23	-4.80	*0.10	-7.89	-4.20
4	6.11	1.90	*8.99	6.41	1.90	-12.32	-4.50	0.10	-7.29	-5.41
5	7.61	1.90	*8.19	*7.00	1.90	-12.80	-4.20	0.10	-6.59	-7.01
6	8.61	1.90	*7.19	*7.00	1.90	-12.79	-3.60	0.10	-5.79	-8.01
7	9.62	1.90	*6.59	*6.00	2.00	-12.60	-2.60	0.20	-4.90	-8.70
8	10.43	0.20	*5.60	*6.20	2.00	-12.49	-1.50	1.00	-4.10	-8.69
9	11.50	-2.00	*4.99	*5.60	2.00	-12.29	-0.70	1.40	-3.50	-8.19
10	10.88	-3.10	*3.99	*5.40	1.60	-12.00	-0.50	1.80	-3.10	-7.79
11	10.88	-4.91	*2.40	*5.20	1.60	-12.00	-0.50	1.80	-3.00	-7.30
12	10.18	*6.72	*4.80	*4.80	1.30	-11.99	-0.60	1.80	-3.00	-7.20
13	9.28	*8.53	2.70	-4.60	1.20	-11.58	-1.00	0.90	-2.60	-7.20
14	8.08	-10.23	5.01	-4.30	0.60	-10.98	-1.20	0.20	-2.60	-7.20
15	6.59	*11.42	6.81	-4.00	0.10	-10.88	-1.50	1.60	-3.00	-7.81
16	5.09	*12.22	8.22	-3.50	-0.10	-9.57	-2.10	3.20	-3.00	-8.91
17	3.50	*12.84	9.51	-3.10	-0.70	-8.29	-2.10	4.41	-3.00	-9.61
18	2.40	*13.93	10.22	-2.60	-0.70	-7.39	-2.00	5.71	-3.00	-10.11
19	1.80	-14.64	10.92	-2.50	-0.20	-6.70	-2.00	7.21	-3.00	-10.71
20	1.00	-15.45	11.62	-2.80	0.50	-6.20	-2.30	8.01	-2.90	-11.10
21	*0.20	-16.34	12.32	-3.80	0.60	-5.80	-2.80	8.91	-2.60	-11.10
22	1.60	-17.00	12.81	-4.80	1.00	-5.10	-3.60	9.52	-2.30	-11.10
23	*2.60	-17.00	13.11	-5.61	1.50	-5.80	-4.00	10.31	-2.00	-11.50
24	*4.00	-16.96	13.50	-6.91	1.50	-5.60	-4.91	10.91	-1.70	-11.10
25	*5.41	-16.32	13.50	-7.61	1.50	-4.90	-6.31	11.20	-0.80	-11.09
26	*6.51	-14.94	13.48	-8.61	1.00	-4.00	-7.21	11.20	-0.20	-10.89
27	*7.60	-13.66	12.97	-9.40	1.00	-3.10	-8.01	11.20	0.70	-10.69
28	*7.90	-12.57	12.07	-9.60	1.40	-1.70	-8.40	11.19	1.60	-10.58
29	*7.90	-13.54	11.18	-9.60	2.10	-0.30	-8.39	10.87	2.20	-9.48
30	*7.99	-15.56	10.47	-9.61	3.10	0.90	-7.79	9.88	2.60	-8.59
31	*7.29	*7.59	9.27	-10.00	4.21	1.90	-7.19	8.78	3.00	-7.69
32	*6.59	*6.59	7.58	-10.00	5.60	2.60	-6.70	7.49	3.20	-6.59
33	*5.19	*5.59	6.19	-10.00	6.20	3.20	-6.20	6.49	3.50	-5.29
34	*2.89	*4.50	4.80	-9.99	6.50	4.40	-5.70	5.09	4.00	-4.30
35	0.00	-3.70	3.80	-9.48	6.49	5.20	-5.40	3.89	4.10	-3.20
36	*1.50	-2.70	2.70	-8.59	5.69	5.30	-5.00	0.60	4.20	-2.20
37	5.11	-1.80	2.00	-7.89	4.80	5.50	-4.50	0.40	4.20	-1.90
38	7.20	-1.10	1.30	-6.98	3.90	5.20	-4.20	1.10	4.20	-1.20
39	7.40	-0.50	1.00	-5.49	3.30	5.20	-4.00	2.80	4.20	-0.50
40	7.40	0.10	0.10	-4.00	2.40	4.89	-3.90	4.30	3.80	0.10
41	6.99	0.20	-0.40	-2.90	1.40	3.70	-3.00	5.41	3.40	0.90
42	6.39	0.20	-0.90	-2.00	0.30	2.60	-2.40	6.31	2.80	0.90
43	5.69	0.30	1.30	-0.60	0.20	-0.20	-1.70	6.91	2.30	2.00
44	4.40	-0.10	1.60	0.80	-1.10	-0.20	-1.10	7.70	1.60	3.30
45	3.70	0.70	2.00	2.20	-1.90	-1.70	-0.70	7.81	1.00	4.91
46	3.70	1.50	2.00	3.30	-2.70	-2.70	-0.70	8.41	0.10	6.10
47	3.70	-3.61	-2.00	4.20	-4.00	-3.60	-1.40	9.01	0.50	6.10
48	3.70	-6.92	-2.00	4.20	-5.21	-3.80	-1.90	9.50	-1.20	6.10
49	3.40	-8.62	-2.30	4.20	-6.71	-4.10	-1.90	9.40	-1.50	6.10
50	3.00	-9.71	-2.60	3.70	-7.91	-4.60	-1.50	9.40	-2.30	6.10

RECORD=5=578 COMPONENT=E=H SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=NAGOYA=ZOKAN=S
DATE AND TIME=1971-01-05=06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

RECORD=S=578
 DATE AND TIME=1971-01-05-06-09
 COMPONENT=E+W
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ARC,ERR,
 FORMAT NO.=301
 STATION=NAGOYA=ZOKAN=S
 TOTAL NUMBER OF DATA= 3000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	5.50	-10.01	5.40	*11.05	*10.52	3.00	4.70	*2.90	*1.60	-1.00
2	5.50	-10.30	5.70	*9.28	*11.41	3.00	3.90	*4.00	*1.50	-0.70
3	5.50	-10.30	5.70	*8.18	*11.91	2.90	3.20	*5.21	0.20	-0.70
4	5.50	-10.30	6.00	*6.89	*12.20	2.90	2.20	*7.41	0.20	-0.50
5	5.90	-10.29	6.00	*5.79	*12.20	2.00	1.00	*8.11	1.00	-0.50
6	5.80	-9.99	6.00	*4.20	*12.30	1.90	*0.10	*8.60	2.00	*0.10
7	6.10	-9.59	6.00	*2.90	*12.30	1.90	*1.40	*8.80	2.00	0.60
8	6.41	-9.09	6.00	*1.60	*12.30	2.00	*2.60	*8.70	3.50	1.20
9	7.00	-8.49	5.70	*0.50	*12.28	2.00	*3.60	*8.79	4.00	1.90
10	7.30	-8.00	5.00	1.20	*11.77	2.00	*4.80	*8.79	4.50	2.10
11	7.30	-7.69	4.30	2.20	*10.67	1.90	*5.21	*7.10	4.50	2.10
12	7.30	-6.99	3.50	3.40	*9.27	1.60	*6.10	*6.79	4.50	2.00
13	7.30	-6.08	2.80	4.50	*7.79	1.00	*6.20	*5.59	3.80	1.50
14	7.30	-4.20	2.30	5.30	*7.19	*0.00	*6.20	*4.80	3.30	0.30
15	7.00	-3.00	1.60	5.80	*6.50	*0.20	*6.20	*4.20	2.90	-0.50
16	6.89	-1.50	0.90	6.00	*5.99	*0.40	*6.20	*3.30	2.30	-1.40
17	6.39	-0.50	0.20	6.60	*5.30	*0.90	*6.20	*2.70	0.90	-2.10
18	5.79	0.50	0.70	7.10	*4.60	*1.30	*6.20	*2.00	*0.10	-2.60
19	4.60	1.40	1.60	7.40	*4.20	*1.70	*6.20	*1.40	*1.20	-3.00
20	4.50	2.40	3.00	7.40	*3.60	*2.10	*6.10	*1.00	*2.40	-3.20
21	3.90	3.20	3.70	7.30	*2.80	*2.50	*6.20	*0.60	*3.00	-3.30
22	3.30	3.50	4.70	7.29	*2.20	*2.80	*6.20	*0.50	*3.80	-3.30
23	2.90	3.60	5.70	6.60	*1.90	*3.00	*6.10	*0.50	*4.70	-3.10
24	2.00	3.60	5.80	6.10	*1.90	*3.30	*5.60	*0.50	*5.30	-2.80
25	0.90	3.60	5.80	5.80	*1.80	*3.30	*5.59	*0.50	*5.40	-2.50
26	*0.30	3.60	5.20	5.30	*1.80	*3.30	*4.20	*0.50	*5.50	-2.50
27	*2.20	3.50	4.70	4.80	*1.80	*3.30	*3.40	*0.50	*6.00	-2.50
28	4.01	3.50	4.10	4.00	*1.80	*3.20	*2.70	*0.50	*6.61	-2.50
29	*6.01	3.90	3.80	3.70	*2.10	*3.20	*2.10	*0.50	*7.20	-2.50
30	*6.70	3.90	3.40	3.50	*2.50	*3.10	*1.70	*0.50	*7.60	-2.50
31	*7.10	4.10	2.80	3.30	*2.80	*3.00	*0.80	*0.50	*7.91	-2.50
32	*7.10	4.60	2.10	3.10	*3.60	*2.60	0.90	*1.30	*8.40	-2.50
33	*6.70	4.90	1.60	2.90	*3.80	*2.60	1.80	*2.00	*8.60	-2.20
34	*6.69	5.20	0.10	2.80	*4.20	*2.60	2.20	*3.30	*8.61	-2.10
35	*5.90	5.40	1.30	2.90	*4.20	*2.60	2.70	*4.40	*9.00	-2.00
36	*5.50	5.40	*2.90	2.70	*4.20	*2.60	2.70	*5.20	*9.01	-1.80
37	*5.50	5.40	*5.31	2.40	*3.60	*2.50	2.70	*5.80	*9.30	-1.60
38	*5.51	5.40	*6.61	2.10	*3.00	*1.80	2.70	*5.80	*9.20	-1.50
39	*7.02	4.79	*7.62	1.60	*2.20	*1.10	2.70	*5.80	*9.19	-1.10
40	*8.63	3.30	*9.24	1.40	*0.80	*0.40	2.70	*5.80	*8.69	-1.00
41	*10.23	1.30	*11.44	0.90	*0.80	0.10	2.70	*5.80	*8.19	-0.70
42	*11.40	0.10	*12.73	*0.00	0.10	1.10	2.70	*5.80	*7.49	-0.70
43	*11.40	-1.00	*13.62	*0.20	0.90	3.00	2.70	*5.80	*6.30	-0.50
44	*11.39	-2.10	*14.20	-1.30	2.00	4.20	2.80	*5.80	*5.80	-0.50
45	*11.09	-4.10	*14.30	-2.40	2.90	5.10	2.40	*5.80	*5.49	-0.50
46	*10.80	-4.90	*14.29	-3.50	3.30	6.40	1.90	*5.80	*4.39	-0.50
47	*10.59	-4.90	*13.98	*5.21	3.30	6.10	1.00	*5.29	*3.10	-0.50
48	*10.20	-4.90	*13.38	*7.12	3.30	6.30	*0.20	*4.20	*2.20	-0.70
49	*10.00	-5.20	*12.88	*8.61	3.30	6.29	*1.50	*3.20	*1.60	-0.70
50	*10.00	-5.120	*12.17	*9.52	3.30	5.69	*2.00	*2.50	*1.20	-1.00

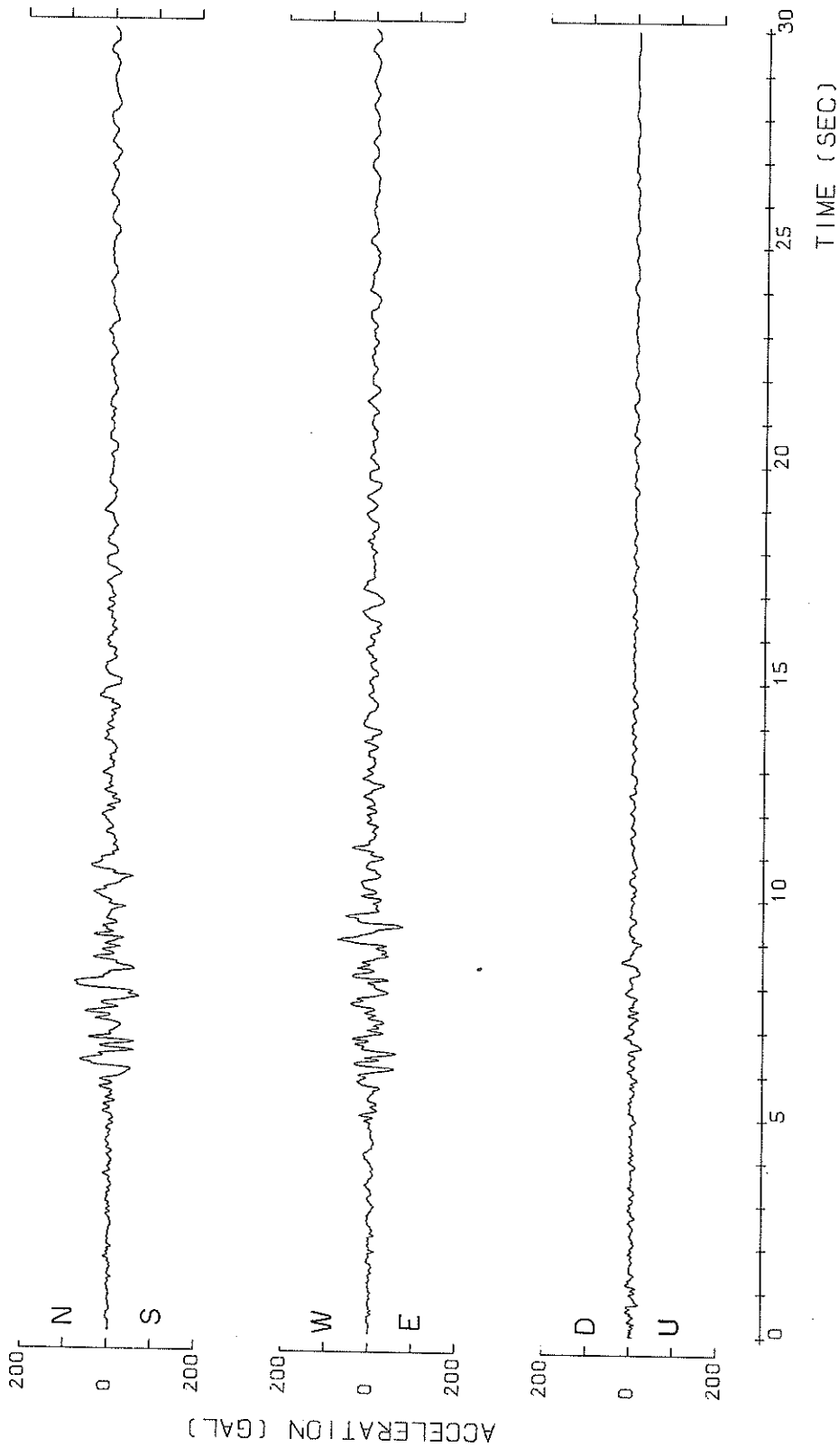
RECORD=S-578
 DATE AND TIME=1971-01-05-06-09
 COMPONENT=E-W
 SIGNAL=GR, ACC.
 SAMPLING INTERVAL= 0.010 (SEC)
 CORRECTION=ARC_ERR,
 FORMAT NO.=301
 STATION=NAGOYA-ZOKAN#S
 TOTAL NUMBER OF DATA= 3000

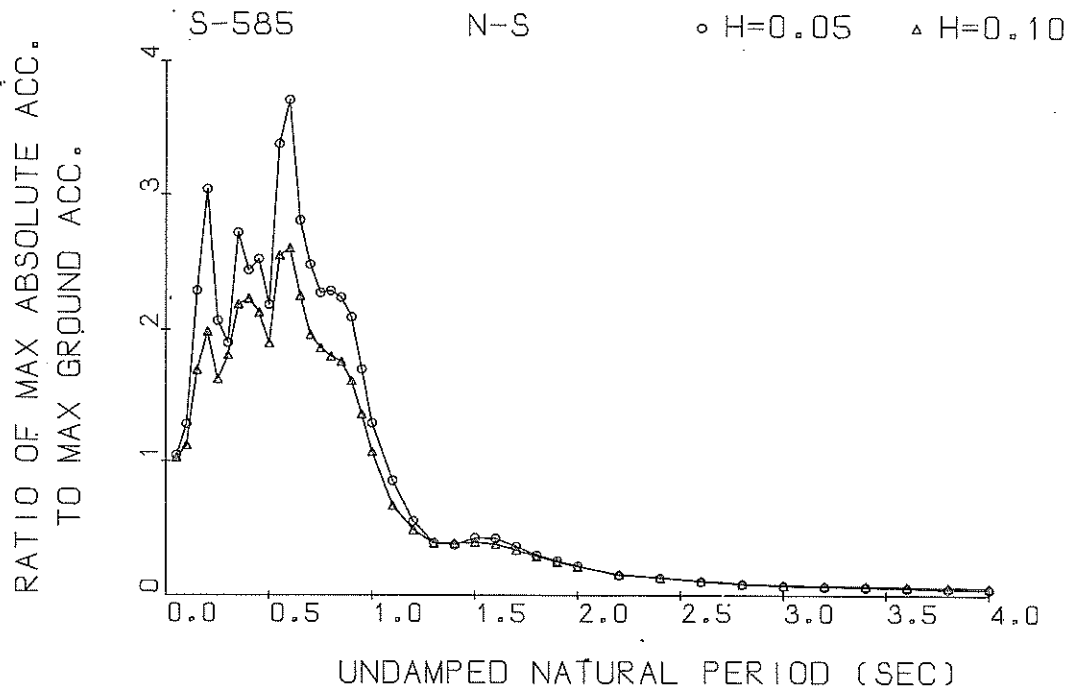
NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-1.30	-3.20	2.10	4.00	3.00	-6.60	5.20	2.90	10.09	-0.30
2	-1.30	-2.90	2.90	3.50	2.40	-7.00	-5.30	2.50	9.49	-0.40
3	-2.00	-2.90	4.60	-3.20	1.80	-7.40	-5.90	1.90	-6.98	-0.30
4	-2.20	-2.90	5.70	3.10	1.20	-7.70	-6.00	1.20	-7.99	-0.40
5	-2.50	-2.90	6.10	2.90	0.90	-8.00	-6.40	0.70	-7.39	-0.30
6	-3.10	-2.90	6.20	2.70	0.50	-8.00	-6.70	0.20	-6.39	-0.40
7	-3.50	-2.90	6.10	2.50	0.00	-7.99	-7.10	0.20	-5.19	-0.40
8	-3.90	-2.80	6.20	2.20	-0.20	-7.59	-7.30	-1.20	-3.80	-0.30
9	-3.90	-2.50	5.60	2.10	0.50	-7.60	-7.60	-2.10	-3.10	-0.40
10	-3.30	-2.50	5.10	2.00	0.40	-5.99	-7.90	-2.70	-2.30	-1.00
11	-3.30	-2.40	4.40	1.80	0.40	-4.80	-8.20	4.00	-1.70	-1.30
12	-3.10	-2.20	3.80	1.80	0.50	-4.10	-8.40	5.00	-0.70	-1.40
13	-2.90	-1.90	2.90	1.50	0.40	-3.20	-8.70	5.70	0.20	-1.40
14	-2.40	-1.50	2.00	1.10	0.40	-2.20	-8.70	6.40	1.20	-1.70
15	-2.00	-0.70	0.40	1.00	0.80	-1.40	-8.70	6.60	2.10	-1.70
16	-1.20	0.00	-0.10	0.90	-0.80	-0.70	-8.70	6.80	2.80	-1.70
17	-0.70	0.50	-1.00	0.90	-0.80	0.00	-8.70	6.80	3.80	-2.10
18	-0.20	0.60	-1.60	0.80	-0.80	0.60	-8.50	6.80	3.90	-2.10
19	0.50	1.00	-2.40	0.90	0.40	1.10	-8.39	6.80	4.40	-2.90
20	1.00	1.70	-2.70	0.90	0.10	1.50	-7.99	6.80	4.60	-3.60
21	1.00	1.60	2.80	1.00	0.50	1.80	-7.49	6.80	5.00	-4.00
22	1.30	1.80	2.90	0.90	0.80	1.90	-6.38	6.80	5.00	-4.80
23	1.30	1.50	-3.20	1.40	1.50	1.90	-4.19	6.80	5.00	-5.40
24	1.40	1.00	-3.50	1.70	1.80	1.90	-2.60	6.80	4.40	-6.00
25	1.20	0.00	-3.80	2.10	2.00	1.90	-1.20	6.50	3.40	-6.31
26	0.80	0.80	-4.40	2.20	2.00	1.90	0.40	6.00	2.80	-6.90
27	0.40	-1.50	-5.20	2.50	1.90	1.90	2.00	5.80	2.20	-7.30
28	0.30	-2.60	-5.91	2.50	1.90	1.90	3.00	5.49	1.60	-7.70
29	0.10	-4.00	-6.60	3.00	1.40	1.90	4.20	4.70	1.00	-7.60
30	0.00	-4.60	-6.60	3.40	0.60	1.90	5.10	4.40	0.60	-7.29
31	-0.20	-4.50	-6.70	3.70	0.30	1.90	5.80	3.80	0.20	-6.69
32	-0.20	-4.80	-6.60	4.00	-0.20	1.90	6.30	3.80	-0.10	-6.00
33	-0.90	-5.10	-6.40	4.00	1.40	1.20	6.30	3.70	-0.20	-5.50
34	-1.70	-5.10	-6.20	4.00	-2.60	0.80	6.30	3.70	-0.50	-5.19
35	-2.20	-5.10	-5.70	4.00	3.80	-0.20	6.30	3.70	-0.70	-4.20
36	-2.80	-5.10	-5.30	4.10	-5.01	-0.30	6.20	3.80	-0.70	-3.50
37	-3.20	-4.90	-5.00	3.70	-6.20	-1.10	6.00	4.20	-0.70	-3.30
38	-4.00	-4.20	-4.50	3.20	-6.60	-1.50	5.80	5.00	-0.80	-2.50
39	-4.90	-3.60	-4.20	2.50	-6.60	-1.60	5.40	5.01	-0.80	-1.80
40	-5.50	-3.10	-4.30	1.80	-6.50	-1.50	5.10	6.10	-0.80	-1.10
41	-6.10	-3.00	-4.20	1.20	-6.60	-1.50	5.10	6.61	-0.80	-0.50
42	-6.30	-2.80	-4.30	0.40	-6.60	-1.60	5.50	7.21	-0.80	-0.10
43	-6.20	-2.80	-4.30	0.60	-6.40	-1.50	5.40	7.81	-0.80	0.50
44	-6.20	-2.60	-4.20	1.60	-6.40	-2.20	5.50	8.61	-0.80	0.90
45	-6.00	-2.50	-4.20	2.30	-6.20	-2.50	5.50	9.11	-0.80	1.20
46	-5.50	-2.30	-4.20	3.10	-6.00	-2.90	5.40	9.61	-0.40	1.50
47	-5.00	-1.90	-4.50	3.40	-6.00	-3.50	5.50	10.10	-0.50	1.50
48	-4.90	-1.10	-4.20	3.60	-6.00	-3.80	5.19	10.20	-0.30	1.50
49	-4.00	-0.30	-4.20	3.60	-6.00	-4.00	4.20	10.30	-0.40	1.20
50	-3.60	1.30	-4.20	3.30	-6.20	-4.70	3.50	10.30	-0.30	1.00

RECORD=S=578 COMPONENT=E+W SIGNAL=GR,ACC, CORRECTION=ARG,ERR, STATION=NAGOYA-ZOKAN=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

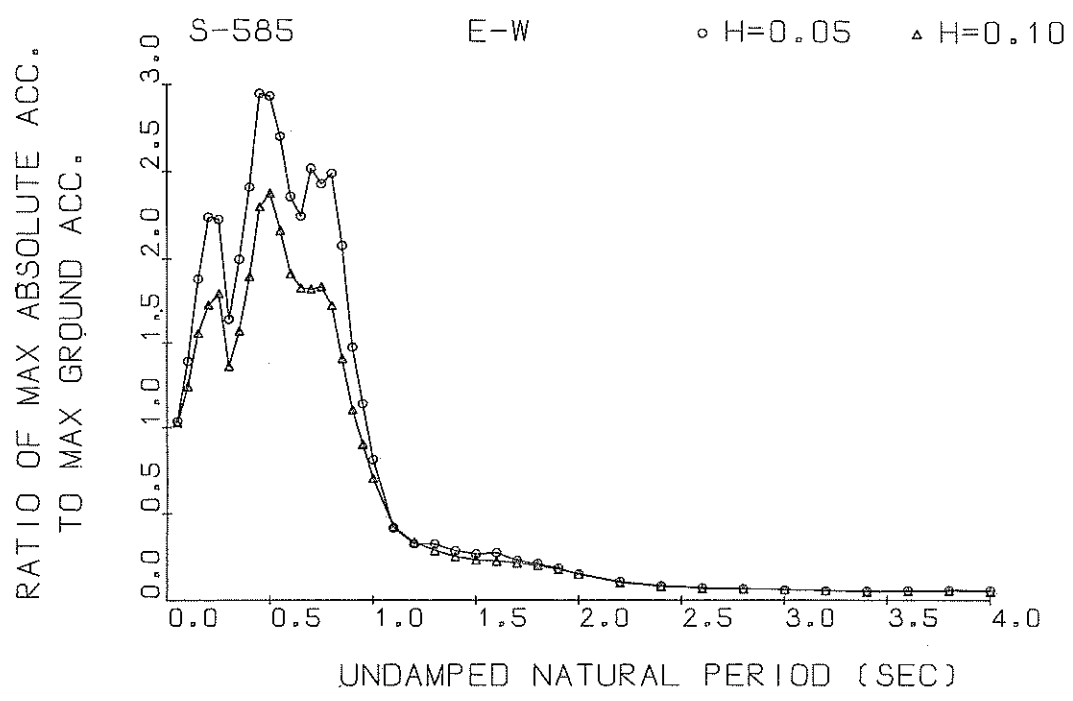
NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	0.70	5.50	0.20	-6.70	1.40	-6.40	-3.60	2.80	-2.20	0.70
2	0.50	-6.10	-0.20	-6.20	1.40	-6.50	-3.60	3.20	-2.50	1.10
3	0.40	-6.61	-0.50	-5.90	1.50	-6.50	-3.60	3.70	-2.70	1.50
4	0.10	-7.21	-0.80	-5.19	1.60	-6.50	-3.70	4.30	-3.30	1.70
5	-0.10	-7.81	-1.20	-4.30	1.60	-6.20	-3.50	4.60	-3.80	2.00
6	-0.20	-8.31	-1.20	-3.50	1.80	-5.80	-3.30	4.60	-4.20	2.20
7	-0.20	-8.82	-1.20	-2.80	1.80	-5.20	-3.00	4.60	-4.60	2.30
8	-0.20	-10.12	-1.20	-2.20	1.80	-4.50	-2.90	4.40	-5.00	2.20
9	-0.20	-10.81	-1.20	-1.40	1.80	-3.70	-2.90	4.10	-5.10	2.20
10	0.20	-11.21	-1.20	-1.40	1.90	-2.50	-2.90	4.10	-5.20	2.20
11	0.20	-11.60	-1.20	-0.60	1.80	-2.90	-2.90	4.00	-5.20	2.10
12	0.60	-11.61	-0.80	-0.60	1.80	-1.80	-2.60	3.90	-5.40	1.90
13	0.60	-11.80	-0.70	-0.40	1.80	-1.30	-2.30	3.70	-5.50	1.40
14	0.60	-11.80	-0.50	-0.30	1.80	-0.70	-2.30	3.50	-5.70	0.90
15	0.80	-11.80	-0.20	-0.30	1.80	-0.40	-2.00	3.30	-6.00	0.50
16	1.00	-11.80	0.20	-0.30	1.90	0.10	-2.00	3.10	-6.20	0.30
17	1.10	-11.78	0.50	-0.20	1.80	0.50	-1.90	2.90	-6.30	0.30
18	1.30	-11.18	0.90	-0.30	1.90	0.70	-2.00	2.70	-6.20	0.30
19	1.70	-10.38	1.00	-0.20	1.80	0.90	-2.00	2.60	-6.30	-0.20
20	2.00	-9.39	1.20	-0.30	1.80	0.90	-2.00	2.60	-6.30	-0.80
21	2.30	-8.69	1.30	-0.20	1.80	0.90	-2.00	2.60	-6.30	-1.00
22	2.40	-7.99	1.30	-0.30	1.40	0.90	-2.00	2.60	-6.30	-1.00
23	2.40	-6.89	1.30	-0.20	0.90	1.00	-2.10	2.10	-6.30	-1.20
24	2.40	-6.09	1.30	-0.30	0.60	0.90	-2.40	1.90	-6.20	-1.50
25	2.40	-5.19	1.30	-0.30	0.40	1.00	-2.70	1.70	-5.90	-1.80
26	2.20	-4.30	1.30	-0.20	0.40	0.90	-3.10	1.50	-5.60	-1.90
27	1.90	-3.30	1.00	-0.30	0.40	0.90	-3.20	1.30	-5.50	-1.80
28	1.60	-2.40	0.60	-0.50	0.40	0.50	-3.50	1.30	-5.20	-1.90
29	1.00	-1.80	0.20	-0.80	0.40	-0.10	-3.50	1.20	-5.10	-1.00
30	0.90	-1.00	-0.20	-1.20	0.40	-0.50	-3.60	1.10	-4.90	-1.00
31	0.60	-0.20	-0.50	-1.20	0.50	-0.50	-3.60	1.00	-4.60	-1.30
32	0.20	0.40	-0.70	-1.20	-0.10	-1.00	-3.20	0.90	-4.30	-1.80
33	-0.20	1.20	-1.10	-1.20	-0.60	-1.40	-3.00	0.90	-4.20	-1.90
34	-0.20	1.90	-1.70	-1.20	-0.90	-2.00	-3.00	0.60	-4.20	-1.90
35	-0.30	2.40	-2.30	-1.30	-1.40	-2.50	-3.00	0.50	-3.60	-1.70
36	-0.80	2.90	-2.80	-1.20	-2.50	-3.00	-2.90	0.40	-3.40	-1.70
37	-1.20	3.20	-3.50	-1.20	-2.50	-4.00	-2.50	0.20	-3.10	-1.70
38	-1.80	3.30	-4.00	-1.20	-2.80	-4.40	-2.20	0.20	-2.90	-1.70
39	-2.50	3.40	-4.60	-1.30	-3.30	-4.80	-2.20	0.00	-2.90	-1.60
40	-3.00	3.40	-5.20	-0.90	-3.40	-5.00	-2.20	0.20	-2.90	-1.50
41	-3.20	3.30	-5.70	-1.00	-3.70	-5.10	-2.00	0.50	-2.90	-1.50
42	-3.10	3.10	-6.20	-0.50	-4.00	-5.20	-1.80	0.50	-2.90	-1.50
43	-3.20	3.00	-6.60	0.10	-4.00	-5.10	-1.40	0.60	-2.90	-1.10
44	-3.50	2.70	-6.90	0.60	-4.20	-5.10	-1.00	0.70	-2.90	-1.00
45	-3.50	2.60	-7.30	0.90	-4.60	-5.00	-0.50	0.80	-2.90	-0.90
46	-3.90	2.20	-7.60	1.00	-5.20	-4.50	-0.20	0.80	-2.50	-0.60
47	-4.10	1.80	-7.80	1.30	-4.30	-4.30	0.40	1.20	-1.60	-0.40
48	-4.50	1.40	-7.60	1.40	-5.60	-4.00	1.10	1.20	-1.60	-0.30
49	-5.00	1.00	-7.40	1.40	-6.00	-3.60	1.60	1.60	-0.20	-0.50
50	-5.20	0.60	-7.00	1.40	-6.30	-3.60	2.20	1.80	0.10	0.50

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

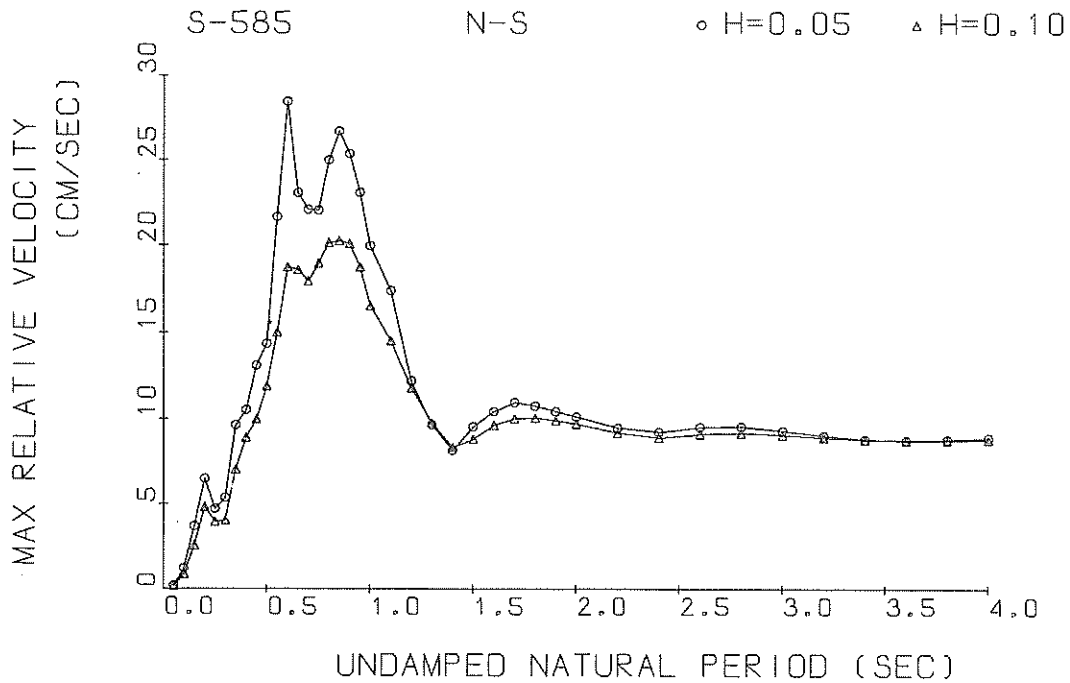




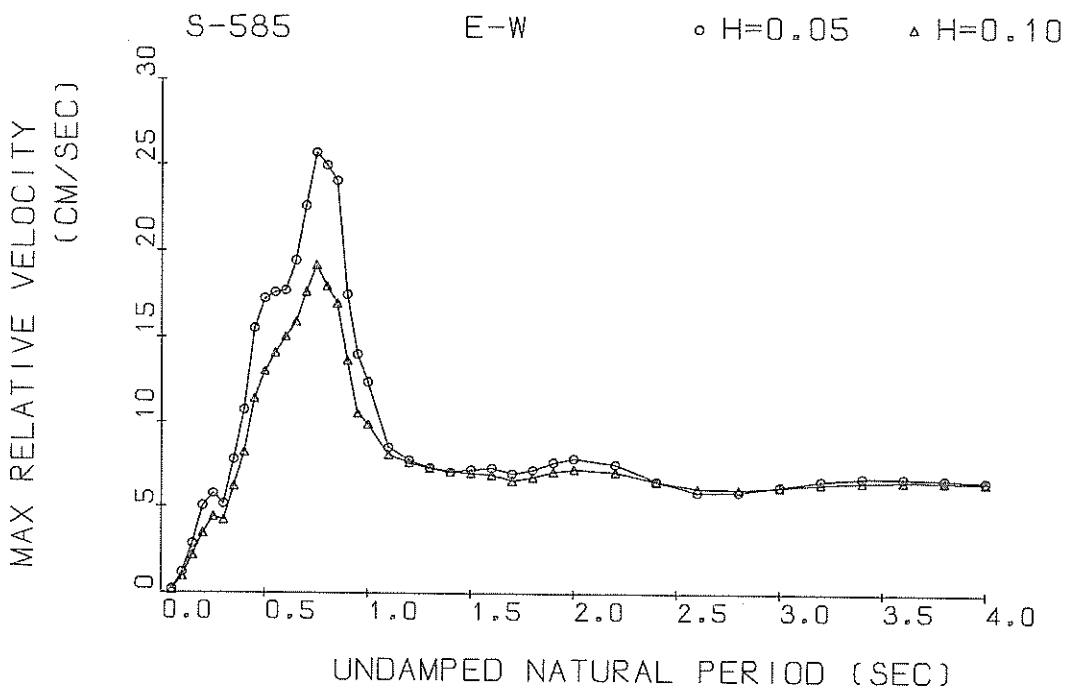
Response Spectra



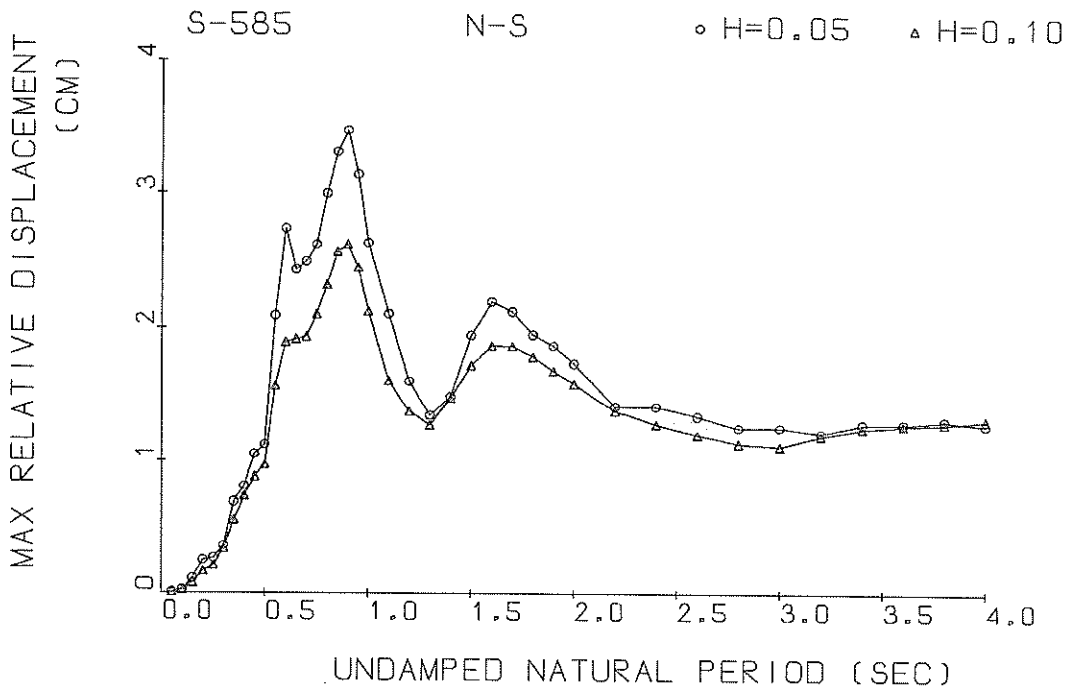
Response Spectra



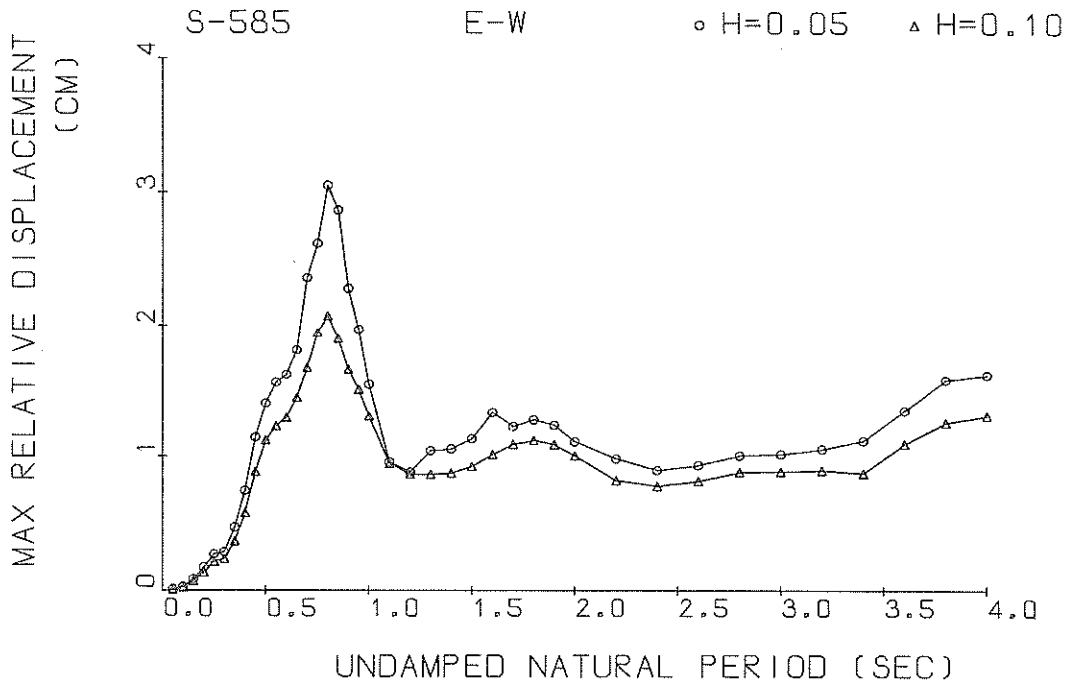
Response Spectra



Response Spectra



Response Spectra

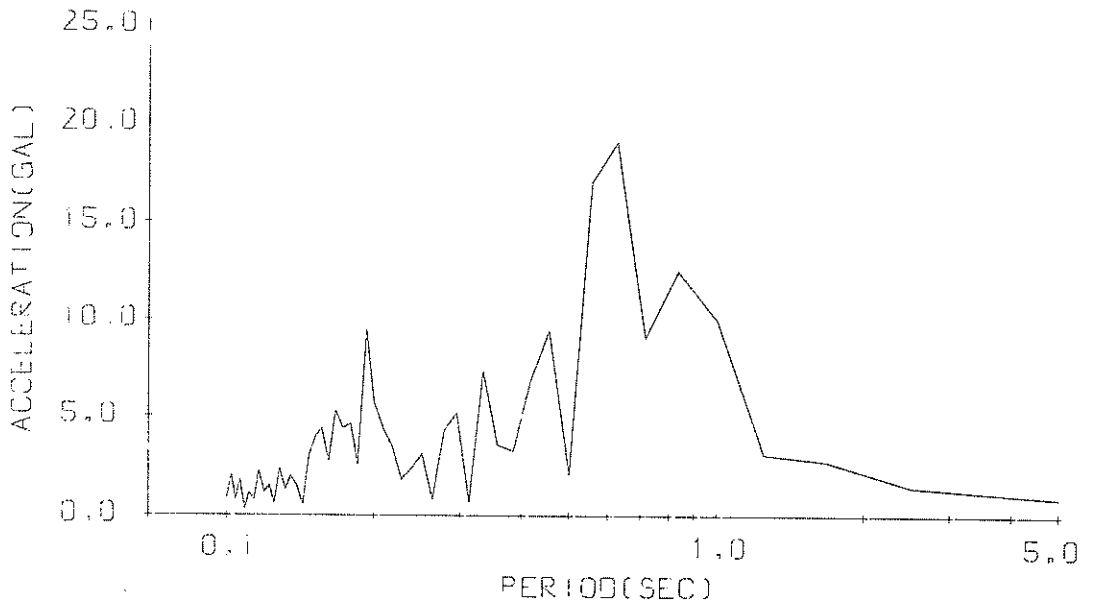


Response Spectra

S-585 N-S

TSK=5.00

TUS=5.00

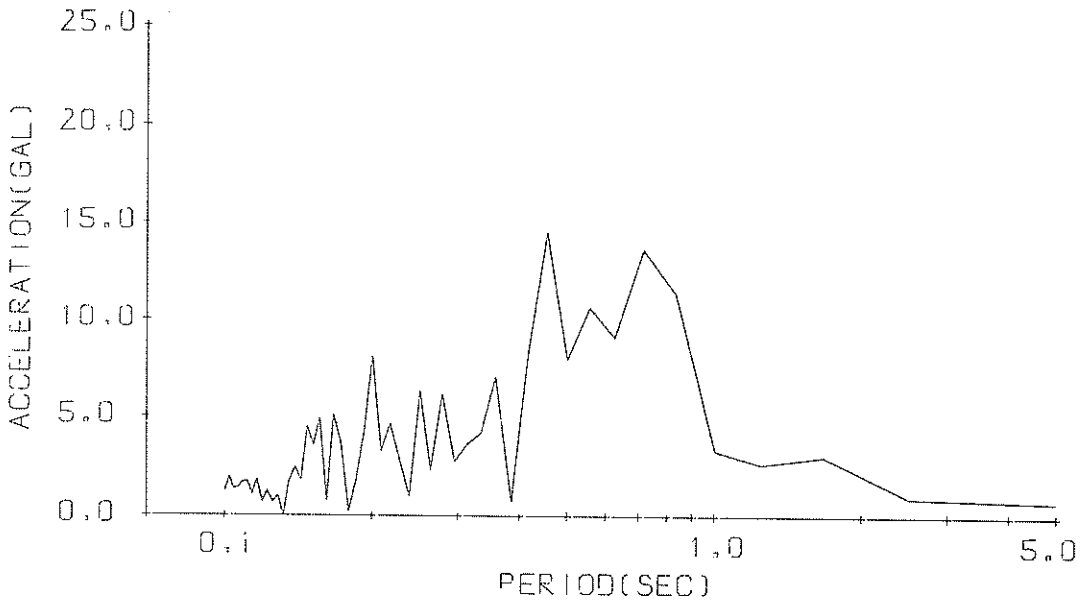


Fourier Spectrum

S-565 E-W

TSK=5.00

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-585 N-S 1971-01-05-06-09
 STATION = KINUURA-S INPUT SIGNAL = GR,ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC,ERR.
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.050 MAX,GROUND ACC.= 81.31(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.043	84.84	16.72	0.177	0.0054
0.100	1.278	103.91	66.02	1.177	0.0262
0.150	2.288	186.04	134.59	3.650	0.1059
0.200	3.040	247.14	209.58	6.478	0.2482
0.250	2.065	167.90	133.33	4.694	0.2640
0.300	1.899	154.44	132.44	5.357	0.3518
0.350	2.720	221.12	149.50	9.617	0.6845
0.400	2.438	198.23	169.52	10.523	0.8018
0.450	2.523	205.11	190.15	13.096	1.0488
0.500	2.183	177.52	189.94	14.352	1.1204
0.550	3.379	274.72	246.84	21.625	2.0947
0.600	3.708	301.51	265.95	28.471	2.7366
0.650	2.810	228.51	246.52	23.017	2.4327
0.700	2.481	201.72	208.53	22.044	2.4922
0.750	2.272	184.76	221.68	22.004	2.6176
0.800	2.287	185.92	221.56	24.964	2.9954
0.850	2.239	182.08	219.32	26.712	3.3145
0.900	2.094	170.29	224.47	25.343	3.4694
0.950	1.700	138.25	198.83	23.054	3.1398
1.000	1.289	104.78	179.89	19.927	2.6293
1.100	0.852	69.27	138.66	17.387	2.1066
1.200	0.547	44.47	131.48	12.190	1.6029
1.300	0.390	31.70	95.67	9.655	1.3458
1.400	0.375	30.47	87.86	8.155	1.4911
1.500	0.427	34.68	91.98	9.557	1.9514
1.600	0.422	34.29	91.41	10.448	2.1957
1.700	0.362	29.40	91.55	10.967	2.1262
1.800	0.296	24.10	92.82	10.780	1.9546
1.900	0.255	20.76	92.71	10.444	1.8755
2.000	0.215	17.44	92.28	10.132	1.7404
2.200	0.147	11.92	91.36	9.487	1.4149
2.400	0.124	10.10	90.06	9.223	1.4164
2.600	0.098	8.01	88.32	9.528	1.3410
2.800	0.079	6.43	86.40	9.541	1.2587
3.000	0.069	5.62	84.83	9.308	1.2603
3.200	0.061	4.94	83.87	9.018	1.2167
3.400	0.057	4.65	83.42	8.824	1.2907
3.600	0.051	4.13	83.20	8.774	1.2965
3.800	0.046	3.71	83.01	8.827	1.3162
4.000	0.041	3.36	82.73	8.916	1.2823

RESPONSE SPECTRUM

RECORD = S-585 N-S 1971-01-05-06-09
 STATION = KINUURA-S INPUT SIGNAL = GR,ACC,
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC,ERR.
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 81.31(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.026	83.44	13.01	0.153	0.0053
0.100	1.118	90.92	45.50	0.850	0.0228
0.150	1.692	137.55	89.54	2.516	0.0769
0.200	1.983	161.23	156.08	4.790	0.1607
0.250	1.618	131.55	118.38	3.926	0.2060
0.300	1.808	146.96	110.43	4.011	0.3319
0.350	2.188	177.92	119.40	7.032	0.5464
0.400	2.228	181.18	139.15	8.900	0.7259
0.450	2.126	172.88	157.32	9.964	0.8744
0.500	1.898	154.33	153.69	11.889	0.9626
0.550	2.553	207.56	185.66	14.991	1.5643
0.600	2.607	211.98	198.46	18.720	1.8976
0.650	2.249	182.88	187.31	18.571	1.9197
0.700	1.961	159.46	184.12	17.917	1.9363
0.750	1.861	151.28	135.94	18.950	2.1047
0.800	1.796	146.03	179.70	20.129	2.3218
0.850	1.758	142.91	176.21	20.215	2.5631
0.900	1.608	130.78	178.55	20.057	2.6179
0.950	1.356	110.27	170.84	18.719	2.4473
1.000	1.068	86.81	159.76	16.501	2.1263
1.100	0.665	54.04	127.59	14.507	1.6059
1.200	0.484	39.34	104.87	11.803	1.3731
1.300	0.387	31.46	93.72	9.743	1.2730
1.400	0.387	31.47	88.15	8.321	1.4784
1.500	0.394	32.01	88.84	8.820	1.7259
1.600	0.376	30.60	88.32	9.626	1.8733
1.700	0.334	27.17	89.73	10.032	1.8716
1.800	0.287	23.29	70.11	10.056	1.7900
1.900	0.244	19.83	70.16	9.910	1.6887
2.000	0.208	16.93	70.03	9.692	1.5864
2.200	0.153	12.41	89.30	9.186	1.3815
2.400	0.129	10.47	88.24	8.902	1.2834
2.600	0.106	8.64	86.97	9.137	1.2009
2.800	0.085	6.95	85.60	9.184	1.1371
3.000	0.075	6.06	84.43	9.080	1.1164
3.200	0.071	5.76	83.61	8.925	1.1977
3.400	0.067	5.42	83.11	8.807	1.2549
3.600	0.062	5.02	82.79	8.759	1.2819
3.800	0.057	4.64	82.53	8.766	1.2968
4.000	0.053	4.34	82.26	8.796	1.3241

RESPONSE SPECTRUM

RECORD = S-585 E-W 1971-01-05-06-09
 STATION = KINUURA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 75.98(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.034	78.52	12.50	0.175	0.0050
0.100	1.388	105.43	64.06	1.158	0.0266
0.150	1.881	142.89	116.67	2.824	0.0818
0.200	2.236	169.86	157.23	5.049	0.1710
0.250	2.223	168.91	147.41	5.776	0.2678
0.300	1.636	124.33	120.68	5.143	0.2828
0.350	1.996	151.64	130.51	7.804	0.4682
0.400	2.409	183.01	180.99	10.753	0.7379
0.450	2.947	223.91	202.92	15.520	1.1421
0.500	2.933	222.80	236.78	17.261	1.4019
0.550	2.698	204.95	222.08	17.601	1.5611
0.600	2.353	178.80	198.12	17.723	1.6219
0.650	2.239	170.11	192.31	19.445	1.8110
0.700	2.515	191.10	221.70	22.595	2.3576
0.750	2.428	184.49	234.04	25.668	2.6148
0.800	2.488	189.00	244.15	24.917	3.0464
0.850	2.072	157.40	222.20	24.036	2.8615
0.900	1.472	111.81	187.48	17.444	2.2737
0.950	1.138	86.45	135.06	13.966	1.9637
1.000	0.809	61.44	106.91	12.349	1.5461
1.100	0.414	31.44	102.42	8.537	0.9539
1.200	0.323	24.54	99.79	7.754	0.8775
1.300	0.324	24.58	96.31	7.335	1.0433
1.400	0.282	21.42	93.10	7.062	1.0534
1.500	0.264	20.07	91.94	7.205	1.1311
1.600	0.272	20.65	92.56	7.298	1.3311
1.700	0.226	17.19	92.83	6.938	1.2269
1.800	0.211	16.01	91.85	7.172	1.2789
1.900	0.184	13.96	89.88	7.639	1.2364
2.000	0.150	11.38	87.35	7.873	1.1104
2.200	0.109	8.25	82.17	7.521	0.9819
2.400	0.082	6.27	79.38	6.535	0.8938
2.600	0.073	5.56	79.30	5.878	0.9334
2.800	0.068	5.14	80.00	5.894	1.0052
3.000	0.060	4.59	80.15	6.256	1.0172
3.200	0.055	4.18	79.65	6.587	1.0545
3.400	0.052	3.94	78.89	6.738	1.1192
3.600	0.056	4.23	78.19	6.733	1.3489
3.800	0.059	4.46	77.68	6.652	1.5842
4.000	0.054	4.12	77.34	6.562	1.6216

RESPONSE SPECTRUM

RECORD = S-585 E-W 1971-01-05-06-09
 STATION = KINUURA-S INPUT SIGNAL = GR.ACC,
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC,ERR,
 TIME LENGTH = 30.00(SEC) SKIPPED LENGTH = 0. (SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 75.98(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.026	77.94	11.08	0.162	0.0049
0.100	1.237	93.96	47.85	0.944	0.0237
0.150	1.554	118.10	76.93	2.141	0.0669
0.200	1.726	131.12	115.27	3.441	0.1311
0.250	1.793	136.20	120.02	4.389	0.2126
0.300	1.357	103.13	104.91	4.212	0.2318
0.350	1.568	119.15	107.68	6.196	0.3640
0.400	1.896	144.05	138.07	8.234	0.5754
0.450	2.298	174.59	157.03	11.403	0.8806
0.500	2.374	180.36	190.94	12.998	1.1204
0.550	2.158	163.96	181.77	14.083	1.2296
0.600	1.911	145.20	168.78	15.033	1.2951
0.650	1.826	138.71	169.57	15.903	1.4478
0.700	1.819	138.22	168.35	17.624	1.6742
0.750	1.833	139.28	173.28	19.174	1.9431
0.800	1.721	130.75	180.11	17.938	2.0701
0.850	1.403	106.58	170.49	16.942	1.8982
0.900	1.102	83.75	150.69	13.630	1.6628
0.950	0.896	68.11	130.66	10.522	1.5079
1.000	0.701	53.23	114.16	9.875	1.3026
1.100	0.421	32.01	102.48	8.083	0.9409
1.200	0.332	25.26	98.56	7.600	0.8616
1.300	0.286	21.73	95.42	7.266	0.8626
1.400	0.251	19.07	92.98	7.044	0.8716
1.500	0.233	17.67	91.71	6.972	0.9234
1.600	0.225	17.08	91.34	6.871	1.0130
1.700	0.216	16.39	90.95	6.555	1.0910
1.800	0.199	15.15	90.01	6.754	1.1181
1.900	0.176	13.41	88.53	7.065	1.0864
2.000	0.150	11.40	86.69	7.227	1.0029
2.200	0.100	7.63	83.02	7.052	0.8171
2.400	0.080	6.09	80.72	6.502	0.7738
2.600	0.068	5.16	80.03	6.098	0.8139
2.800	0.064	4.85	80.01	6.046	0.8817
3.000	0.061	4.66	79.90	6.209	0.8853
3.200	0.055	4.20	79.51	6.395	0.8937
3.400	0.048	3.62	78.96	6.508	0.8708
3.600	0.050	3.77	78.43	6.538	1.0927
3.800	0.051	3.90	77.98	6.515	1.2589
4.000	0.049	3.70	77.64	6.476	1.3107

RECORD=S-585
 DATE AND TIME=1971-01-05-16-09
 COMPONENT=N-S
 SIGNAL=GR. ACC.
 SAMPLING INTERVAL= 0.10(SEC)
 CORRECTION=ARC. ERR.
 FORMAT NO.=301
 STATION=KINUIURA-S
 TOTAL NUMBER OF DATA= 3500

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.10	3.80	2.90	3.40	2.70	-3.40	5.69	2.80	0.40	0.20
2	-0.80	3.00	4.30	-3.40	2.70	-2.80	4.40	2.90	1.30	0.70
3	1.70	2.30	4.70	-2.40	3.00	-2.60	4.10	2.20	2.40	2.00
4	-1.80	1.90	4.70	-0.80	3.20	-2.60	3.70	0.80	3.70	2.00
5	-2.50	1.80	4.00	0.30	3.30	-3.10	3.70	3.10	4.20	1.70
6	0.30	1.80	2.80	1.70	2.30	-3.20	3.40	4.19	4.19	0.50
7	-0.80	2.50	1.80	2.50	1.60	-2.40	3.40	4.91	2.20	-0.80
8	-0.70	1.40	1.10	2.50	1.00	-1.50	2.80	7.42	-0.40	-1.70
9	-0.40	0.40	0.90	0.60	1.00	-0.20	1.90	9.45	-1.60	-3.30
10	1.30	1.20	0.90	0.10	1.08	0.30	1.70	11.93	-3.71	-4.30
11	-0.50	0.60	0.90	-0.90	1.60	0.40	1.80	12.90	-5.91	-4.20
12	0.20	0.10	0.50	-0.90	2.70	0.80	2.60	12.86	-6.70	-3.00
13	0.70	0.50	0.50	-0.20	3.30	1.70	4.00	11.61	-7.10	-0.80
14	-1.20	1.00	1.00	3.11	3.80	3.50	4.90	8.64	-6.99	1.80
15	0.00	1.00	1.70	6.52	3.70	5.21	4.89	4.98	-6.29	4.61
16	-1.00	-0.30	1.70	8.43	3.10	6.59	3.79	1.40	-4.79	6.70
17	-1.50	0.30	1.00	10.61	2.30	5.89	2.00	0.70	-2.30	6.99
18	0.80	1.10	-0.10	11.17	1.50	4.89	0.30	1.80	0.90	6.48
19	0.30	1.50	1.60	10.06	1.10	3.09	-1.40	3.20	2.60	4.79
20	-1.10	1.50	4.41	8.04	0.70	-0.00	-2.80	3.20	4.31	3.50
21	-1.40	1.50	5.80	3.80	0.30	-2.70	-2.90	3.20	5.80	2.80
22	-0.10	1.10	5.20	2.70	0.50	-4.00	-2.50	2.40	6.00	2.00
23	0.90	0.70	4.49	2.00	0.30	-3.10	-2.00	1.40	5.99	2.00
24	1.00	0.80	2.50	2.00	0.30	-1.80	-1.20	0.30	5.09	1.00
25	0.20	1.30	0.20	2.80	0.60	0.70	0.10	0.90	3.70	1.00
26	0.20	1.30	1.60	3.60	1.10	3.00	1.40	2.00	2.80	-5.01
27	2.10	0.90	2.70	4.40	1.30	4.10	2.10	2.80	1.70	-7.23
28	3.70	0.40	3.10	4.40	0.60	4.10	1.60	2.90	0.90	-10.01
29	4.30	0.30	3.10	3.40	0.40	3.00	0.00	1.60	0.40	-10.37
30	4.30	1.00	3.10	1.80	-0.70	1.60	-1.10	0.40	0.40	-9.16
31	4.00	1.60	2.20	0.10	1.40	-0.20	3.20	4.10	0.40	-6.98
32	4.40	1.80	1.30	-0.70	-2.20	-1.60	-4.60	2.90	1.40	-4.69
33	4.80	1.40	0.60	0.40	-2.50	-2.90	-5.30	0.90	3.00	-1.90
34	4.90	0.50	0.50	0.40	-2.50	-2.90	-5.80	2.20	4.71	1.00
35	4.80	0.70	0.90	2.80	-2.30	-2.10	-5.80	2.10	6.41	1.30
36	4.79	1.20	0.60	2.70	-2.20	-0.40	-5.80	2.50	7.50	1.00
37	3.70	1.40	0.50	1.40	-2.60	1.60	-5.20	3.10	7.50	-4.81
38	2.80	1.40	0.60	0.20	-3.10	2.30	-4.60	3.70	7.59	-6.72
39	2.70	1.40	1.50	2.20	4.00	2.30	-4.30	4.20	6.79	-9.01
40	2.70	0.40	1.60	-4.81	1.00	1.00	-3.50	5.10	6.20	-9.70
41	3.50	0.30	-2.70	-6.69	-5.40	-0.30	-2.80	5.70	5.80	-9.68
42	4.00	1.40	3.20	-5.79	-6.20	-1.00	-2.40	6.20	6.50	-8.58
43	3.99	2.30	3.60	4.69	-6.30	-1.00	-2.10	3.79	6.20	-7.49
44	2.10	2.80	4.00	-2.00	-6.30	0.30	-1.60	5.10	5.59	-6.59
45	0.30	2.90	4.00	0.00	-6.30	2.10	0.70	4.20	4.19	-6.50
46	-1.10	3.10	3.40	1.40	-5.90	4.51	0.70	3.40	2.70	-5.50
47	2.40	2.10	2.60	2.20	-5.89	6.21	1.20	2.50	0.70	-5.00
48	3.40	1.30	2.40	3.10	-3.10	6.90	0.40	1.80	-0.50	-4.99
49	3.80	1.30	2.40	3.10	4.40	6.90	0.80	1.80	-1.00	-3.80
50	3.70	1.40	3.00	3.10	-3.90	6.89	-1.80	0.70	-1.00	-2.20

RECORD#S=585
 DATE AND TIME=1971-01-05-06-09
 COMPONENT=N=S
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ARC,ERR,
 FORMAT NO.=3014
 STATION=KINUURA=S
 TOTAL NUMBER OF DATA= 3500

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	0.50	-4.01	-43.43	-28.36	-23.66	10.87	78.16	-2.99	-30.54	4.40
2	5.53	-6.11	-46.26	-15.56	-24.21	13.66	80.64	2.51	-28.62	3.40
3	0.96	-7.80	-8.50	-4.16	-25.09	17.71	81.31	13.27	-23.16	3.00
4	12.98	-7.77	-49.00	5.15	-25.79	19.36	79.00	20.45	-12.59	3.00
5	15.23	-5.28	-49.00	15.90	-26.31	19.87	74.44	36.17	1.41	2.60
6	15.74	-1.70	-47.33	18.76	-26.00	18.24	68.41	24.20	17.34	1.80
7	14.61	1.50	-42.86	21.75	-23.80	14.55	59.74	38.10	30.41	1.00
8	12.68	6.23	-35.89	20.11	-19.93	9.26	48.00	36.41	36.11	0.30
9	9.34	10.20	-26.52	18.36	-16.77	1.69	55.71	31.34	37.92	-0.10
10	6.07	14.84	-15.46	7.84	-13.05	-7.50	25.66	24.69	35.94	-0.40
11	2.00	17.87	-2.18	3.73	-9.14	-16.49	19.00	18.18	29.85	-1.10
12	0.30	20.59	12.92	-13.63	-5.57	-25.37	14.17	4.17	18.51	-1.70
13	-1.60	22.30	27.52	-25.49	-1.60	-32.66	13.52	-2.71	7.50	-2.50
14	-1.80	21.99	35.75	-37.96	4.94	-33.21	13.93	-6.93	-1.00	-3.20
15	-1.80	18.92	40.55	-46.32	12.63	-42.61	14.58	-10.00	-5.62	-3.80
16	-1.10	14.08	41.85	-53.09	19.42	-47.57	14.15	-9.97	-8.55	-5.01
17	0.20	8.99	41.06	-55.93	25.28	-53.07	12.87	-8.37	-5.27	-6.63
18	2.40	2.79	41.94	-51.45	31.93	-58.99	9.22	-6.08	-1.10	-9.36
19	5.42	-1.60	45.39	-41.49	31.02	-63.98	4.68	-3.19	5.42	-12.82
20	7.83	-5.21	49.03	-28.41	27.31	-67.52	1.20	0.90	8.11	-16.55
21	10.25	-6.39	53.16	-18.37	20.94	-66.38	-0.40	7.33	8.89	-22.74
22	12.30	-5.59	59.94	-11.79	14.29	-62.92	0.20	10.27	8.49	-27.83
23	12.23	-4.59	65.01	16.28	7.53	-54.95	2.20	13.51	7.59	-32.35
24	10.63	-2.99	67.86	36.46	2.00	-48.39	3.29	16.16	6.59	-35.14
25	7.94	0.20	68.00	44.24	-0.10	-44.21	-0.40	17.06	6.02	-33.98
26	3.29	4.42	66.76	47.90	-1.80	-42.38	-6.48	14.69	8.36	-30.61
27	-0.60	8.98	62.90	44.53	-1.80	-44.62	-15.19	10.26	12.62	-24.62
28	-5.93	13.57	58.80	36.38	-1.10	-48.40	-33.64	3.97	15.99	-15.77
29	-10.39	17.94	54.09	25.76	3.73	-51.23	-33.75	4.02	17.50	-8.13
30	-14.30	21.32	48.74	15.00	14.79	-52.67	-45.03	-11.27	17.26	-3.49
31	-14.16	20.23	42.60	5.25	26.10	-51.74	-52.29	-17.70	13.37	-0.20
32	-10.90	13.13	35.58	-3.30	38.79	-48.12	-56.30	-22.42	5.26	2.10
33	-7.05	12.94	28.07	-4.20	48.80	-40.86	-57.30	-22.42	-0.70	2.50
34	-2.79	6.03	21.04	-3.00	59.29	-30.96	-55.77	-15.55	8.27	1.70
35	1.10	-0.00	15.64	-1.50	57.02	-21.61	-53.30	-7.40	-13.00	0.50
36	5.11	-8.51	14.62	0.00	53.97	-7.80	-50.11	1.10	-15.81	-0.40
37	7.50	-15.80	17.50	1.10	47.86	6.96	-46.63	9.54	-15.91	-1.70
38	7.69	-19.81	22.12	0.30	40.47	22.91	-42.35	11.57	-15.93	-2.00
39	6.57	-24.56	25.67	-1.00	32.48	33.82	-37.01	10.52	-14.64	-1.20
40	3.69	-26.94	24.75	-2.10	22.60	45.40	-31.73	7.24	-13.32	-0.40
41	0.20	-28.19	18.85	-5.32	15.44	-55.07	-25.71	1.80	-11.09	1.60
42	-2.80	-29.91	7.45	-9.03	4.47	64.93	-21.06	-2.81	-6.96	4.31
43	-5.20	-31.56	-4.35	-10.63	-2.92	72.26	-16.76	-6.83	-3.29	7.54
44	-3.20	-33.68	-18.02	-12.14	-14.05	74.56	-14.51	-10.02	0.70	10.55
45	-4.79	-36.47	-32.91	-13.35	-19.70	75.70	-14.83	-11.13	5.42	12.71
46	-3.76	-37.73	-46.72	-14.56	-19.11	75.40	-15.56	-12.47	7.92	15.94
47	-2.40	-38.72	-56.24	-15.94	-12.02	74.21	-16.71	-14.65	9.09	18.45
48	-0.80	-39.57	-64.13	-18.49	-6.37	73.80	-16.69	-18.18	8.48	20.44
49	-0.60	-40.65	-48.08	-21.04	-2.49	74.04	-14.62	-23.61	7.49	21.98
50	-1.50	-41.75	-39.82	-22.53	5.74	75.69	-8.71	-27.97	6.28	22.87

RECORDS=585
 DATE AND TIME=1971-01-05-06-09
 COMPONENT=N-S
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ARC,ERR,
 FORMAT NO.=501
 STATION=KINUURA=S
 TOTAL NUMBER OF DATA= 3500

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	24.44	11.86	-4.40	8.79	7.42	-0.00	-8.18	-6.78	5.79	-3.30
2	26.55	7.19	-6.52	8.39	9.50	-2.40	-6.68	-5.09	3.79	-4.10
3	28.21	6.62	-8.55	7.47	9.46	-2.80	-5.10	-3.30	0.40	-4.09
4	30.72	8.73	-11.81	4.89	7.56	-2.40	-4.60	-2.00	-1.10	-0.20
5	33.25	10.73	-15.61	2.70	4.59	-1.40	-3.80	-1.80	-1.90	6.44
6	35.34	11.80	-17.61	0.20	1.40	0.40	-3.70	-1.90	-2.80	10.90
7	37.68	11.71	-17.75	-2.00	3.01	2.80	-4.51	-1.80	-3.10	15.06
8	38.74	8.74	-16.90	-4.11	6.41	4.00	-5.91	-1.80	-3.10	18.89
9	37.48	2.99	-15.23	-5.50	7.99	4.40	-6.71	-0.10	-2.80	21.05
10	34.69	1.20	-13.80	-5.50	7.17	4.49	-8.00	5.73	-2.60	23.72
11	30.35	7.69	-13.73	-5.10	4.79	3.00	-7.98	10.69	-2.20	26.11
12	28.99	15.17	-14.45	4.80	1.90	1.50	-6.38	14.17	-1.50	26.30
13	19.83	20.82	-15.60	4.50	2.71	-0.30	-3.59	15.80	-1.40	26.81
14	13.57	25.68	-15.54	4.00	8.68	-1.20	-0.80	15.71	-1.30	26.11
15	10.47	31.35	-14.30	-3.20	-13.73	1.80	1.90	14.05	-1.80	24.88
16	9.21	35.72	-12.11	-2.30	-17.08	-1.80	2.50	12.83	-1.80	23.85
17	9.93	38.80	-9.15	-0.60	-20.68	-1.80	2.50	10.97	-3.20	23.45
18	11.47	41.28	-6.49	1.30	-22.51	-1.00	1.70	9.78	-5.11	19.15
19	13.85	42.85	-5.60	2.80	-22.60	-0.30	0.50	8.88	-7.12	16.19
20	14.85	44.07	-5.61	3.50	-22.43	0.20	-0.50	7.99	-9.32	16.12
21	13.73	44.60	-7.12	3.90	-20.72	0.50	-1.10	7.39	-10.48	16.50
22	9.69	43.43	-8.72	3.90	-17.88	-0.40	-1.10	6.90	-9.56	16.50
23	4.18	40.61	-10.12	4.50	-16.01	-1.10	0.80	6.80	-7.57	16.50
24	-1.20	37.40	-11.12	5.40	-12.85	-1.70	1.50	6.81	-4.99	16.49
25	-4.42	33.27	-11.83	6.20	-8.45	-2.10	2.70	7.50	-2.90	16.23
26	-9.50	28.35	-12.72	6.71	-5.19	-2.20	2.70	7.91	-1.00	15.43
27	-14.49	24.92	-13.30	7.93	-3.90	-1.20	1.70	8.61	1.50	14.13
28	-16.50	22.89	-13.30	9.93	-2.60	0.40	-0.10	9.01	0.60	12.44
29	-18.40	21.10	-13.30	11.44	-2.50	2.40	-2.20	9.71	-0.80	10.63
30	-21.05	20.13	-13.25	12.80	-3.90	4.82	-5.42	10.00	-2.91	7.86
31	-22.60	19.37	-11.95	12.78	-5.41	8.24	-8.12	10.00	-7.64	5.18
32	-23.54	18.95	-10.27	12.08	-7.73	10.99	-9.21	9.75	-10.68	2.00
33	-24.70	18.30	-8.79	11.60	-10.44	14.35	-9.71	7.19	-14.33	-1.40
34	-25.54	18.31	-8.10	11.63	-12.00	17.59	-10.10	6.17	-17.29	-5.02
35	-26.46	18.39	-8.11	12.78	-11.93	18.80	-10.10	2.00	-20.05	-9.25
36	-26.89	18.36	-8.60	15.12	-9.49	18.70	-10.11	0.80	-20.60	-11.80
37	-27.61	19.30	-8.71	17.65	-8.99	17.39	-10.60	3.81	-20.55	-15.33
38	-29.10	20.45	-9.30	19.85	-1.20	15.67	-10.62	5.50	-20.02	-19.64
39	-31.32	21.00	-9.19	21.54	2.00	13.21	-11.32	5.48	-19.11	-21.47
40	-33.50	20.85	-8.48	21.61	5.32	10.95	-12.14	2.40	-17.98	-22.13
41	-36.45	18.92	-6.98	20.80	8.02	8.39	-13.42	0.80	-16.23	-22.40
42	-40.28	13.05	-4.69	18.61	9.62	8.39	-13.80	3.01	-13.19	-22.37
43	-44.21	8.88	-2.40	16.14	10.77	7.69	-13.73	5.81	-10.32	-22.07
44	-48.57	1.90	-0.60	13.44	13.64	6.88	-11.96	7.41	-8.67	-21.78
45	-51.17	3.61	1.90	11.95	14.59	4.89	-10.78	8.51	-3.39	-21.63
46	-50.50	7.92	6.42	10.17	14.36	3.09	-9.80	8.91	-1.20	-21.93
47	-46.49	-9.18	8.85	13.41	13.41	-0.80	-9.69	9.30	0.10	-22.25
48	-39.61	-8.17	10.50	5.67	11.02	-4.61	-9.20	9.29	0.10	-22.76
49	-30.74	-5.179	10.58	0.70	7.96	-6.41	-9.19	8.69	-1.30	-23.21
50	-21.04	-4.40	9.68	-3.01	4.88	-8.10	-8.38	7.77	-2.30	-23.29

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	23.02	12.47	2.00	4.70	-0.50	-12.07	-11.38	9.32	6.99	5.01
2	21.19	-11.56	2.20	-1.70	-0.10	-11.18	-10.78	10.64	5.89	6.01
3	17.15	-10.16	2.20	-1.70	0.40	-10.56	9.96	12.22	4.69	6.80
4	14.77	8.18	2.20	0.60	0.40	-9.05	-7.88	12.90	3.60	7.30
5	12.00	6.79	2.20	2.81	0.40	-6.47	-6.39	12.85	3.00	7.40
6	8.83	5.49	2.20	6.52	-0.10	-3.70	-4.99	11.47	1.90	7.40
7	4.98	4.70	2.80	8.82	-0.40	-2.10	-3.19	10.28	0.70	7.40
8	2.10	4.60	4.01	10.12	-0.10	-0.60	-0.70	9.38	0.40	7.00
9	0.80	5.31	5.61	10.99	0.60	2.40	2.40	8.39	-1.60	6.80
10	2.60	6.51	7.12	10.57	1.90	5.71	4.51	7.69	-2.50	6.40
11	6.41	8.70	9.03	9.16	1.90	7.52	6.21	7.10	-3.50	6.40
12	7.41	8.70	10.92	6.96	2.80	9.22	7.91	6.79	-3.90	6.30
13	7.12	8.71	11.80	3.49	4.71	10.12	8.92	6.19	-3.80	6.40
14	8.60	9.21	11.75	0.90	6.11	11.00	9.80	5.40	-4.40	6.70
15	8.90	9.71	10.12	0.90	7.01	11.10	9.80	4.60	-4.80	7.10
16	8.90	10.10	9.67	2.30	8.11	11.20	9.69	4.10	-5.30	7.30
17	9.01	10.11	8.70	3.00	9.02	11.20	9.19	3.60	-5.60	7.80
18	9.32	10.50	8.20	3.80	10.12	11.29	8.89	3.20	-6.30	6.89
19	10.43	10.35	4.30	4.70	10.82	10.89	8.40	3.20	-6.60	6.29
20	11.82	8.90	0.90	5.10	11.71	10.59	8.30	3.20	-7.11	5.20
21	12.42	5.58	1.30	5.10	12.21	10.29	8.21	3.20	-7.70	4.80
22	13.04	2.00	1.70	4.80	12.58	10.00	8.71	3.20	-7.79	3.90
23	14.13	1.90	2.30	4.20	11.86	10.01	9.20	2.20	-7.40	3.00
24	14.90	5.82	3.10	2.90	10.67	10.41	9.40	2.20	-7.09	2.20
25	14.90	7.91	3.70	-1.90	9.26	11.01	9.30	1.90	-6.60	1.90
26	14.80	8.90	4.20	-0.20	7.47	11.32	9.38	1.50	-6.60	0.70
27	14.88	9.00	4.70	2.80	4.89	11.90	8.48	1.50	-6.50	0.50
28	14.38	8.89	5.40	5.11	3.40	12.00	7.28	1.80	-6.60	0.50
29	15.97	8.37	6.00	7.31	1.60	12.08	5.49	1.80	-6.61	0.50
30	13.27	6.69	6.61	8.00	0.40	11.26	4.40	1.90	-7.31	1.00
31	12.45	5.50	7.41	8.30	1.80	9.96	3.20	0.70	-6.01	1.60
32	11.07	4.80	8.00	8.80	2.80	8.17	1.90	1.70	-8.61	1.50
33	10.11	4.80	8.08	8.26	4.51	6.28	0.70	4.42	-9.11	1.60
34	10.71	4.80	6.98	5.38	5.81	4.09	-0.10	8.45	-9.81	1.90
35	11.32	5.81	7.64	7.64	4.09	0.00	0.90	11.77	-10.20	1.90
36	11.90	7.51	8.29	2.00	10.54	-3.51	-1.80	14.31	-10.59	0.70
37	11.86	8.41	1.10	4.71	-12.39	-3.52	-2.60	16.78	-10.29	0.30
38	10.33	9.31	1.20	7.71	-15.21	-8.84	-2.90	18.11	-9.68	-0.30
39	7.45	9.80	2.30	8.50	-17.38	-11.14	-2.90	18.21	-8.59	-0.50
40	3.39	9.79	2.40	8.68	-18.61	-2.80	-2.80	18.25	-7.59	-0.80
41	1.30	9.39	1.70	7.18	-20.08	-12.60	-2.80	17.52	-6.79	-0.80
42	-0.60	9.09	0.80	5.69	-20.91	-12.60	-2.90	16.34	-5.59	-0.80
43	-2.70	8.79	0.20	4.00	-21.03	-12.60	-2.90	15.36	-3.99	-0.80
44	-3.70	8.00	0.90	2.90	-21.29	-12.60	-4.00	14.55	-2.50	0.
45	-4.1	7.89	1.10	2.20	-21.06	-12.60	-4.60	13.44	-1.80	0.
46	-5.22	7.39	0.60	-2.20	-19.48	-12.60	-5.00	11.86	-0.30	0.
47	-6.23	6.58	0.10	-1.80	-16.91	-12.60	-5.60	10.68	1.30	-0.00
48	-10.83	4.19	0.00	-1.40	-15.52	-12.60	-6.20	9.68	2.40	-0.40
49	-12.02	2.40	0.60	-0.80	-14.07	-12.39	-6.71	8.88	3.60	-0.60
50	-13.50	-0.50	1.30	0.90	-13.26	-11.98	-7.72	7.89	4.30	-1.00

RECORD-S=585 COMPONENT=N+S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KINUURA-S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-1.30	2.90	4.50	1.70	-1.40	-8.79	12.40	4.10	3.20	0.30
2	-1.60	4.31	3.50	0.70	-0.80	-7.59	12.36	4.10	3.80	1.10
3	-2.00	5.81	1.90	0.80	-0.60	-8.79	11.05	3.50	4.20	2.00
4	-2.30	7.00	0.60	0.00	-0.50	-7.40	9.27	4.60	4.60	2.40
5	-2.30	7.30	0.60	-3.60	-0.30	-6.99	7.68	1.70	5.30	2.40
6	-2.50	7.30	1.40	0.40	0.40	-6.09	6.10	0.80	5.70	2.50
7	-2.70	7.40	2.40	0.90	1.10	-5.40	5.50	0.30	6.01	2.30
8	-2.60	7.00	2.80	4.90	1.70	-4.90	4.90	1.40	6.70	1.80
9	-2.20	6.80	3.10	5.00	2.00	-4.50	4.80	2.30	7.21	1.50
10	-1.70	6.50	2.80	4.90	2.40	-4.00	4.80	2.60	7.90	1.30
11	-1.00	6.30	1.80	4.60	1.90	-3.40	4.90	2.60	7.90	1.10
12	-0.10	6.40	1.20	4.60	1.80	-3.00	4.40	2.70	7.89	1.00
13	1.00	6.30	0.20	5.60	0.80	-2.50	3.70	2.70	7.19	1.40
14	2.20	6.40	0.70	6.31	0.30	-1.60	2.80	2.60	5.90	1.60
15	3.00	6.40	1.40	7.51	-0.10	0.50	1.70	2.40	5.30	1.70
16	3.60	6.40	1.40	8.61	0.00	0.80	0.10	2.10	4.60	2.20
17	3.70	6.40	1.50	9.00	1.30	2.40	1.00	2.60	3.60	2.60
18	3.70	5.90	0.50	9.20	2.20	3.20	2.60	1.60	3.10	3.00
19	3.40	5.39	0.70	9.30	3.40	4.00	4.21	1.70	2.10	3.20
20	2.80	4.20	2.80	9.40	4.81	4.60	6.01	2.10	1.50	3.50
21	2.20	3.10	4.60	9.39	6.01	4.50	7.73	2.50	0.50	3.60
22	1.30	1.40	5.30	8.99	7.00	3.90	9.173	2.60	0.40	3.60
23	0.10	0.50	5.29	8.39	7.39	3.50	11.23	3.00	1.30	3.20
24	-1.40	-0.20	3.69	7.89	6.90	2.70	12.30	3.00	1.40	2.80
25	-4.21	0.60	1.20	6.99	6.90	2.40	12.30	2.50	1.40	2.20
26	-6.04	1.20	2.40	5.89	6.90	2.00	12.30	2.20	1.40	1.80
27	-7.52	1.80	4.41	4.60	6.30	1.70	12.40	1.70	2.10	1.40
28	-8.91	-2.20	5.91	3.70	6.30	1.30	12.28	1.10	3.40	1.10
29	-9.50	2.00	6.90	3.30	6.40	1.30	11.60	0.60	4.31	1.50
30	-9.51	2.00	6.80	2.70	6.30	1.30	11.69	0.50	5.71	2.10
31	-9.81	2.00	6.90	2.70	6.40	1.60	11.29	0.50	6.91	3.40
32	-10.11	1.70	6.60	2.70	6.39	1.90	10.78	0.60	7.60	4.50
33	-10.41	1.60	6.10	2.70	5.79	2.20	10.09	0.50	7.59	5.10
34	-10.72	1.60	6.00	2.70	4.89	2.50	9.69	0.50	7.10	5.60
35	-11.11	1.60	6.10	1.80	3.80	3.00	9.30	0.40	6.90	5.50
36	-11.60	1.60	6.00	1.20	2.70	3.40	9.09	0.40	6.49	5.20
37	-11.50	1.40	5.90	1.00	1.10	3.30	8.60	0.10	5.60	4.60
38	-11.50	1.80	6.00	0.80	-0.30	3.30	8.50	0.30	5.40	4.00
39	-11.59	1.80	5.90	0.70	1.00	3.40	8.40	0.40	5.40	3.40
40	-11.89	1.80	5.70	0.40	1.40	3.30	8.30	0.40	5.40	2.90
41	-10.99	1.80	5.50	0.30	1.50	4.00	8.09	0.40	5.40	2.40
42	-10.58	1.80	5.30	0.40	2.10	5.41	7.29	0.20	5.40	1.90
43	-9.69	1.30	5.30	0.80	-2.90	6.61	6.49	0.20	5.40	1.80
44	-8.97	0.20	5.20	1.50	3.60	7.62	5.59	0.50	4.89	1.70
45	-7.88	1.90	4.90	2.40	4.60	8.92	4.60	0.70	3.90	1.90
46	-5.79	3.40	4.50	3.40	5.41	9.91	3.70	1.30	3.40	2.00
47	-4.19	4.91	3.80	3.90	6.61	10.52	3.60	1.80	2.40	2.40
48	-2.40	6.00	3.30	4.00	7.71	11.52	3.60	2.50	1.60	2.60
49	0.60	6.00	2.70	2.90	8.51	12.11	3.70	2.80	0.90	3.00
50	1.80	5.39	2.10	2.10	9.09	12.40	3.90	3.00	0.40	3.70

RECORD=S=585 COMPONENT=N=S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KINURAW-S
 DATE AND TIME=1971*01*05*06*09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

NO.	(2500)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	3.60	4.99	4.00	5.31	0.00	8.30	2.80	4.00	9.09
2	3.50	3.80	4.90	6.51	-0.30	8.30	2.80	4.50	9.49
3	2.70	5.50	5.20	7.71	-0.40	8.30	2.40	4.70	9.20
4	2.10	3.20	5.60	8.81	-0.40	7.99	2.40	4.50	9.00
5	1.20	5.60	5.60	9.72	-1.10	7.99	2.40	4.50	8.89
6	0.30	1.00	6.00	10.61	-1.80	6.09	2.40	4.60	8.59
7	0.90	5.50	6.40	11.21	-2.60	4.99	2.40	4.60	7.79
8	1.70	5.80	6.60	11.51	-3.60	3.19	2.40	4.60	6.79
9	1.80	6.30	6.90	12.03	-4.70	0.60	2.20	4.60	5.99
10	1.70	6.70	7.30	12.92	-5.50	1.00	2.10	5.20	4.69
11	1.70	6.60	7.60	13.62	-5.50	2.40	1.80	5.61	3.40
12	1.70	6.60	7.59	14.02	-5.70	4.31	1.40	6.41	2.30
13	1.70	6.90	6.69	14.48	-5.80	5.60	0.60	7.21	1.00
14	2.10	6.80	6.10	14.08	-5.70	6.00	0.20	8.00	0.20
15	2.40	6.90	5.50	13.66	-5.40	6.40	0.10	8.00	-0.80
16	2.80	6.89	4.80	12.78	-4.80	6.70	0.50	8.00	-2.20
17	3.50	6.10	4.50	12.06	-4.30	7.01	0.50	8.00	-4.01
18	4.71	5.60	4.20	10.86	-4.00	7.71	0.50	8.00	-5.61
19	5.81	8.80	3.60	9.46	-3.20	8.21	0.60	7.90	-6.81
20	6.81	4.80	2.90	7.88	-2.10	9.02	0.50	7.70	-7.80
21	7.61	4.40	1.90	5.49	-0.70	10.02	0.50	7.49	-8.10
22	8.71	3.40	0.80	4.29	0.90	10.81	1.20	6.89	-8.20
23	9.62	2.80	0.40	3.00	2.30	11.42	1.50	6.19	-8.20
24	10.51	1.90	1.50	2.30	3.30	12.00	1.70	5.50	-8.10
25	11.12	1.10	2.10	2.00	4.20	12.10	2.40	5.00	-8.11
26	11.81	0.30	2.60	1.80	5.00	12.00	2.80	4.30	-8.60
27	12.11	-0.40	2.60	1.40	5.40	11.99	2.70	3.60	-8.70
28	12.30	5.60	2.60	0.80	6.00	11.79	2.70	3.00	-8.80
29	12.29	4.90	2.70	-0.70	6.41	11.59	2.60	3.00	-8.50
30	12.10	4.80	2.90	0.10	7.00	11.09	2.60	2.50	-8.20
31	11.99	4.80	3.70	1.20	7.41	10.59	2.60	2.50	-7.90
32	11.79	4.90	4.40	2.60	8.01	10.20	2.40	2.50	-7.80
33	11.50	4.80	5.00	3.90	8.50	9.99	2.80	2.50	-7.70
34	11.50	4.90	5.50	4.91	8.50	9.69	3.00	1.70	7.70
35	11.40	4.90	5.70	6.00	8.50	9.19	3.20	1.20	7.59
36	11.41	4.89	5.90	6.51	8.60	8.80	3.40	0.30	7.10
37	11.60	4.31	5.60	7.21	8.60	8.49	3.40	1.50	6.80
38	11.57	3.70	4.90	8.00	8.50	7.59	3.20	3.30	6.29
39	10.67	6.61	4.00	8.00	8.50	7.09	2.80	5.01	5.60
40	9.36	7.71	3.30	7.69	8.80	6.60	2.80	6.61	5.00
41	7.27	1.80	1.40	7.20	8.91	6.20	1.90	8.02	4.30
42	4.99	6.69	1.50	6.89	9.50	6.00	1.30	9.11	3.40
43	3.10	8.19	1.00	5.99	9.50	6.00	0.50	9.91	2.30
44	1.80	7.79	0.10	5.00	9.60	6.00	0.50	10.31	0.40
45	1.50	7.29	0.40	4.10	9.40	5.40	0.30	10.80	-0.40
46	0.30	6.50	1.00	3.50	9.30	4.80	0.40	10.90	0.40
47	0.80	6.60	1.50	2.60	9.20	4.30	1.20	11.00	0.30
48	1.60	6.60	2.00	2.00	9.19	4.00	2.10	10.99	1.80
49	2.40	6.60	2.60	1.00	8.80	3.60	3.00	10.69	2.50
50	3.10	6.19	3.50	0.10	8.50	3.00	3.60	10.29	2.90

RECORD=S=585 COMPONENT=N=S SIGNAL=GR,ACC CORRECTION=ARC,ERR, STATION=KINUURA-S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA=3900

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	3.50	-1.20	-4.30	-2.50	-5.70	5.90	-4.70	5.80	2.40	-1.40
2	3.80	0.00	-4.10	-2.00	-6.00	6.40	-5.40	5.39	2.90	-0.10
3	3.80	1.90	-4.20	-1.40	-6.30	6.50	-5.60	4.40	3.10	0.80
4	3.80	3.60	-4.20	-0.80	-6.70	6.50	-6.00	3.30	3.30	1.60
5	3.90	5.31	-4.00	-0.40	-7.11	6.49	-6.60	1.80	3.40	2.10
6	3.80	6.41	-4.00	0.10	-8.02	5.90	-6.60	0.00	3.20	2.50
7	3.60	7.10	-3.60	0.20	-9.41	5.49	-6.60	1.50	3.20	2.70
8	3.30	7.40	-3.20	0.30	-10.01	4.60	-6.60	3.00	2.90	2.70
9	3.20	7.40	-2.90	0.10	-10.41	4.00	-6.60	4.81	2.50	2.70
10	2.90	7.10	-2.70	-0.20	-10.81	3.40	-6.60	6.82	2.10	2.70
11	2.00	7.00	-2.60	0.40	-11.32	2.80	-6.60	8.42	1.80	2.70
12	2.00	7.10	-2.60	0.60	-11.99	1.90	-6.60	9.82	0.90	2.70
13	1.70	7.50	-2.70	0.70	-11.79	1.20	-6.60	11.05	0.30	2.20
14	0.80	7.70	-2.40	1.10	-11.48	1.20	-6.60	13.16	-0.20	2.20
15	0.40	7.80	-2.00	1.30	-10.68	0.90	-6.60	14.66	-0.90	2.00
16	0.10	7.80	-1.30	1.40	-9.69	1.00	-6.20	16.07	-1.10	2.00
17	-0.80	7.80	-0.40	1.60	-8.28	0.90	-5.79	17.26	-1.20	2.00
18	-0.80	7.50	0.10	1.80	-6.79	0.90	-4.50	18.20	-1.20	2.00
19	-1.20	7.40	0.50	1.80	-6.79	1.00	-4.50	18.20	-1.50	2.50
20	-1.70	7.00	1.10	1.40	-5.60	0.70	-3.70	18.20	-1.60	2.70
21	-2.00	6.90	1.40	0.90	-5.70	0.80	-2.70	18.20	-1.80	2.90
22	-2.60	6.50	1.40	0.50	-5.80	0.40	-2.00	18.20	-2.00	3.10
23	-3.20	6.10	1.20	0.10	-5.80	0.10	-1.20	18.18	-2.30	3.50
24	-4.51	5.69	0.90	-0.10	-6.00	0.10	0.00	17.91	-2.90	3.50
25	-5.91	4.60	0.60	-0.40	-6.10	0.10	0.60	17.99	-3.20	3.50
26	-7.43	3.90	0.20	-0.40	-5.90	-0.30	1.50	17.87	-3.20	3.60
27	-9.61	3.20	-0.10	-1.20	-5.40	-0.40	2.80	17.50	-3.20	3.30
28	-10.21	1.60	-0.30	-1.20	-5.00	-0.70	4.00	17.49	-3.00	2.50
29	-10.51	0.20	-0.50	-1.60	-4.59	-1.10	5.00	17.28	-2.60	1.90
30	-11.01	-0.70	-0.60	-2.00	-3.40	-1.70	5.81	16.95	-2.60	1.30
31	-11.41	-1.40	-0.60	-2.00	-2.40	-2.00	6.51	16.14	-2.50	0.70
32	-11.92	-2.20	-0.60	-2.00	-1.40	-2.00	7.40	15.14	-2.40	-0.00
33	-12.50	-3.00	-0.60	-1.80	-0.80	-2.30	7.60	13.94	-2.40	-0.40
34	-12.60	-3.60	-0.60	-1.60	0.00	-2.30	7.90	12.55	-2.90	-0.50
35	-12.60	-4.50	-0.60	-1.40	0.80	-2.30	8.20	11.07	-3.60	-0.40
36	-12.60	-4.20	-0.70	-1.50	1.60	-2.20	8.20	9.96	-4.00	-0.40
37	-12.50	-4.40	-1.10	-1.50	2.80	-2.30	8.51	8.28	-4.00	0.20
38	-12.60	-4.70	-1.60	-1.80	3.40	-2.30	8.90	6.99	-4.00	0.70
39	-12.58	-5.10	-2.20	-2.00	3.70	-2.30	9.11	5.69	-4.00	1.20
40	-12.08	-5.40	-2.80	-2.50	3.60	-2.30	9.40	4.10	-4.00	1.20
41	-11.57	-5.60	-2.70	-3.00	3.50	-2.30	9.40	3.40	-3.40	1.20
42	-10.60	-5.90	-2.60	-3.80	3.30	-2.60	9.29	2.80	-3.20	1.30
43	-10.09	-6.60	-2.40	-4.40	3.20	-2.60	8.80	2.30	-3.20	1.40
44	-9.59	-6.00	-2.20	-5.00	3.20	-2.90	8.49	1.70	-3.20	1.30
45	-9.09	-6.10	-2.00	-5.50	3.20	-2.60	8.09	1.10	-3.20	1.30
46	-8.77	-5.60	-2.00	-5.80	3.60	-3.10	7.10	0.50	-3.70	1.30
47	-7.68	-5.50	-2.00	-5.80	3.60	-3.30	6.90	0.00	-3.70	1.30
48	-5.59	-5.20	-2.20	-5.80	4.30	-3.60	6.80	0.50	-3.70	1.50
49	-4.29	-4.80	-2.60	-5.50	5.00	-3.90	6.40	1.30	-3.70	1.50
50	-2.60	-4.60	-2.60	-5.50	5.40	-4.20	6.30	1.80	-2.60	1.70

RECORD=S-585 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=KINUIURA=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.	3.50	0.10	4.60	4.60	4.80	0.40	3.50	9.73	-1.70
2	-0.00	-5.30	1.10	3.60	3.60	4.90	0.70	2.80	11.43	-1.00
3	-0.10	-5.39	2.00	4.60	4.10	4.10	1.70	2.10	12.50	-1.10
4	-0.30	-3.10	2.70	4.40	0.80	4.10	3.00	1.50	12.37	-1.40
5	0.00	-0.80	3.20	4.10	-0.20	4.60	3.60	0.80	11.49	-2.40
6	0.10	0.70	2.90	3.60	-0.30	5.30	3.60	0.30	11.10	-3.20
7	-0.90	0.80	2.10	-2.70	0.40	5.60	3.60	0.50	11.12	-4.00
8	-0.90	-0.80	1.70	-1.80	1.40	6.00	3.60	3.50	12.04	-4.19
9	0.30	0.80	1.10	0.40	2.30	6.00	4.20	4.10	13.32	-2.60
10	-0.40	-1.20	0.80	3.11	2.70	5.49	4.90	4.10	13.94	-1.60
11	-0.60	-1.20	0.70	5.91	2.80	4.70	5.60	4.80	13.94	-1.60
12	-0.80	0.20	1.40	6.91	2.80	3.90	5.79	5.51	14.93	-0.60
13	-0.50	1.50	2.10	7.70	2.40	3.50	4.79	6.41	15.50	-0.20
14	-0.40	2.50	3.10	7.38	1.60	3.00	3.69	7.22	15.47	-0.80
15	-0.60	2.70	4.10	5.89	0.10	3.30	1.40	8.60	14.84	-1.80
16	-2.00	2.60	4.50	4.20	0.90	3.30	1.40	8.60	13.52	-3.00
17	-2.00	1.90	3.49	4.20	0.00	3.80	-0.20	8.59	11.54	-4.00
18	-1.60	1.90	1.50	4.60	3.00	4.50	-1.80	7.79	9.46	-4.00
19	-1.20	1.90	0.40	5.20	4.20	5.61	-3.10	7.09	7.36	-3.00
20	-1.20	2.30	-0.80	5.19	4.18	6.49	-3.00	6.59	4.20	-2.40
21	-1.00	2.30	-1.30	3.80	4.18	6.49	-3.10	5.80	3.60	-1.40
22	-1.00	1.80	-1.40	2.60	-0.40	5.79	-3.10	5.19	2.90	0.30
23	-0.50	1.40	0.70	1.50	-11.60	2.30	-2.40	3.80	2.80	1.90
24	-0.50	0.50	0.00	0.70	-11.65	0.70	-2.40	3.80	2.40	3.40
25	-0.70	0.00	0.60	0.20	-9.74	1.10	-2.00	3.80	-0.00	4.10
26	-0.50	0.40	0.60	0.80	-6.68	1.50	-1.40	2.60	3.60	3.60
27	3.90	0.70	1.10	0.70	-4.39	1.10	-1.40	4.51	4.31	2.40
28	4.90	0.60	1.10	1.30	-2.00	1.10	-1.40	6.72	-6.00	1.30
29	4.89	-1.30	0.50	2.40	-2.00	0.20	-2.00	8.70	-6.60	0.80
30	3.60	-2.50	1.10	3.10	-2.70	-1.20	-2.40	8.78	-6.60	0.80
31	2.50	-3.10	1.50	3.10	-2.70	-3.40	-2.50	7.38	-6.60	0.80
32	3.30	-2.20	1.90	1.70	-4.40	-4.00	-1.80	6.09	-5.10	1.50
33	4.10	-3.30	2.10	6.51	-5.61	-4.50	-0.20	4.60	-4.80	1.80
34	3.40	-0.30	1.50	1.10	-6.51	-4.50	1.40	4.00	-4.80	1.10
35	1.90	0.40	0.00	8.84	-7.40	-4.90	4.11	3.60	-5.71	0.50
36	1.10	0.40	-2.60	-11.18	-7.38	-4.90	6.31	-3.00	-6.81	0.50
37	2.00	0.40	-5.50	-10.33	-5.41	-5.41	7.30	-2.00	-8.02	1.50
38	3.20	-0.60	-5.59	-7.24	-6.41	-6.41	7.19	1.10	-9.13	3.71
39	4.00	-1.20	-3.99	-1.60	-9.03	-7.72	6.20	0.90	-10.80	6.52
40	3.10	-1.90	-2.30	-1.70	-3.20	-9.03	6.21	0.90	-10.86	8.75
41	1.20	-2.50	-0.80	1.20	-2.40	-10.61	7.22	-1.40	-9.19	11.96
42	-1.00	-3.60	-0.50	1.20	-3.50	-10.97	9.23	1.40	-8.39	13.80
43	-2.60	-2.70	-0.60	1.20	-4.00	-9.96	11.00	0.60	-7.50	13.81
44	-4.71	-1.70	-0.40	0.40	-3.99	-8.17	10.96	0.90	-7.10	11.49
45	-6.30	-0.40	-2.00	1.00	-2.10	-6.38	9.27	2.80	-7.00	7.73
46	-6.29	3.10	-2.60	1.10	-0.60	-4.49	7.47	3.40	-7.01	2.59
47	-4.58	1.80	-3.70	1.50	1.10	-3.00	4.69	3.80	-7.59	-1.30
48	-0.60	1.60	-4.00	2.50	2.40	-3.00	3.60	3.90	-6.98	-5.20
49	0.30	1.20	-4.60	3.70	3.50	-2.60	3.20	4.61	-5.49	-5.78
50	-0.50	0.70	-4.60	4.60	4.90	-2.10	3.10	5.91	-3.80	-3.58
						-1.60	3.50	7.43	-2.150	3.12

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	11.93	11.60	4.28	16.34	7.30	13.57	8.75	14.19	59.43	29.02
2	19.42	21.60	11.30	2.79	15.71	20.89	5.96	18.02	65.74	29.45
3	23.43	21.60	6.67	4.13	15.71	20.89	-1.00	19.96	71.98	31.80
4	25.48	5.92	14.02	12.87	20.47	33.10	5.31	18.04	75.98	36.28
5	22.38	8.29	17.75	16.87	17.30	38.18	7.30	12.92	74.37	43.37
6	17.77	7.39	28.69	19.95	13.18	41.65	7.26	5.46	68.31	51.08
7	13.17	6.89	39.29	20.40	10.06	45.92	3.28	11.00	63.04	55.85
8	9.57	6.30	43.98	19.30	8.11	43.63	-4.63	5.42	56.38	57.99
9	3.29	6.31	50.29	17.96	8.87	45.76	-11.96	8.52	45.28	56.91
10	1.00	7.33	53.89	16.03	12.88	43.71	-17.89	9.74	34.15	51.82
11	6.14	9.77	52.12	14.90	18.09	39.96	-32.99	11.58	30.64	44.68
12	-11.42	13.35	47.07	15.14	22.49	35.02	-40.56	-14.84	27.64	37.26
13	-15.74	17.29	38.98	18.29	27.01	29.29	-39.97	-20.23	25.51	30.46
14	-16.35	20.16	26.94	23.78	29.95	22.79	-35.13	-28.42	23.45	22.71
15	-15.51	21.87	10.55	27.83	30.60	17.09	-25.34	-37.78	21.15	10.24
16	-13.72	22.31	6.81	31.54	30.36	17.18	-33.36	-40.66	16.50	3.38
17	-11.66	20.56	18.16	35.43	28.85	20.21	-39.41	-39.41	10.00	-3.02
18	-10.15	18.92	26.02	34.80	25.50	24.16	-32.45	-35.82	5.46	-13.43
19	-8.07	16.35	30.45	31.26	29.20	29.20	-38.75	-31.31	-1.30	-16.68
20	-5.58	8.83	33.94	24.47	19.81	30.98	-41.64	-25.90	4.41	-17.82
21	-3.10	0.90	35.79	17.00	10.66	29.76	-41.52	-24.95	-6.72	-16.61
22	-0.70	9.62	37.34	9.41	-4.97	24.01	-41.42	-27.32	-8.83	-15.12
23	-0.50	15.57	37.02	4.99	0.40	16.99	-41.84	-31.81	-10.74	-13.51
24	-2.00	18.87	34.22	3.62	3.51	6.32	-41.18	-34.97	-12.24	-11.29
25	-6.22	20.98	31.14	9.47	5.70	-3.31	-39.02	-36.60	-13.66	-10.80
26	-9.21	21.91	25.83	18.50	5.69	-9.69	-35.83	-36.49	-15.38	-10.80
27	-15.23	23.01	17.31	27.16	4.09	-14.81	-30.44	-35.84	-19.46	-10.83
28	-15.79	24.10	3.47	35.19	0.90	-17.10	-22.31	-33.94	-28.20	-11.83
29	-15.66	26.04	-8.64	40.79	-2.20	-22.12	-12.94	-30.13	-36.28	-12.72
30	-4.82	29.33	-17.51	40.72	-6.53	-27.32	-3.39	-25.99	-43.62	-13.35
31	-3.04	29.50	-20.52	37.06	-10.22	-32.21	-1.00	-22.53	-53.40	-14.74
32	-11.43	29.53	-18.00	30.30	-11.24	-37.45	-5.22	-18.45	-64.46	-15.56
33	-8.95	27.45	-11.15	23.41	-8.91	-41.14	-8.00	-15.16	-69.92	-14.81
34	-5.98	24.32	1.40	17.16	-3.78	-41.09	-7.96	-12.50	-72.59	-12.91
35	-3.09	22.17	8.37	11.97	-2.01	-38.27	-5.37	-12.61	-72.04	-10.52
36	0.60	20.10	12.72	7.81	8.68	-34.83	-0.70	-15.89	-68.23	-7.38
37	3.80	18.86	10.22	1.40	13.65	-30.85	0.70	-19.97	-62.24	-5.50
38	5.20	16.92	2.39	-2.41	-1.24	-27.68	13.12	-28.01	-54.38	-6.01
39	5.20	14.09	4.44	-12.73	10.73	-24.13	29.49	-33.56	-45.99	-7.24
40	4.60	11.64	-14.36	-22.25	7.75	-21.17	29.84	-35.99	-33.13	-10.69
41	4.30	9.52	-23.13	-27.40	3.69	-17.92	29.20	-32.05	-12.22	-14.41
42	4.20	10.77	-33.34	-29.13	0.70	-15.38	26.54	-24.33	-4.34	-16.84
43	4.80	8.60	-44.82	-24.17	-2.71	-13.02	19.80	-19.37	4.82	-19.16
44	5.10	18.90	-52.30	-16.59	-6.73	-10.76	14.24	-2.32	23.65	-21.17
45	5.00	24.11	-55.87	-9.85	-9.40	-8.98	10.69	21.66	26.59	-22.91
46	3.79	27.02	-57.61	-2.79	-9.50	-7.90	6.17	27.81	29.05	-33.80
47	2.10	26.78	-54.08	3.91	-9.35	-7.92	3.10	35.03	30.38	-23.64
48	1.10	47.23	-47.23	6.60	-6.45	-9.22	3.11	40.85	31.10	-22.05
49	-0.10	19.83	-38.49	6.15	-1.40	-10.21	6.02	45.39	30.84	-17.45
50	-0.80	13.34	-28.18	0.50	5.25	-10.56	9.19	50.90	29.65	-6.91

STATION=KINUURA-S
TOTAL NUMBER OF DATA= 3500

SIGNAL=GR,ACC, CORRECTION=ARC,ERR,
SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=601

RECORD=S=585 COMPONENT=E=H
DATE AND TIME=1971-01-05*06-09

RECORD=S=585 COMPONENT=E=H SIGNAL=GR,ACC, CORRECTION=ARG,ERR, STATION=KINUURA=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=901 TOTAL NUMBER OF DATA= 3500

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	1.91	*19.34	*0.20	*9.76	*11.22	*1.60	8.85	*13.56	18.59	*12.17
2	9.51	*21.01	2.60	*7.59	*11.78	*3.31	5.87	*12.45	19.77	*11.28
3	15.46	*21.10	3.50	*6.58	*11.19	*5.93	1.90	*10.82	20.51	*10.47
4	20.52	*28.96	3.50	*4.69	*10.77	*9.79	0.60	*7.78	20.59	*9.07
5	22.63	*19.41	1.70	*2.40	*14.13	*1.50	*1.50	*5.88	20.39	*7.17
6	20.83	*17.61	*0.50	*0.70	*8.37	*17.14	*3.80	*3.19	19.25	*4.79
7	16.95	*14.03	*2.50	*1.70	*6.56	*9.41	*5.20	*0.90	18.66	*3.70
8	12.84	*11.87	*4.29	*5.00	*2.30	*22.21	*6.00	*1.10	18.06	*3.00
9	3.18	*10.62	*2.69	*5.71	2.10	*26.09	*5.00	4.11	17.50	*2.30
10	*4.41	*11.31	1.00	*7.01	5.92	*28.72	*6.40	6.13	17.55	*2.30
11	*7.54	*11.82	8.48	*7.70	8.84	*29.97	*6.41	9.92	18.24	*1.60
12	*11.03	*12.40	13.85	*7.69	11.27	*28.58	*7.01	15.45	18.62	*0.60
13	*12.00	*12.36	20.32	*7.31	10.05	*26.10	*7.90	18.40	17.44	0.50
14	*12.07	*10.94	27.55	*0.34	7.85	*22.70	*8.20	19.70	15.15	2.20
15	*11.16	*4.79	32.75	*11.25	3.69	*18.36	*8.20	19.17	14.06	4.31
16	*9.57	*1.80	36.85	*13.07	*0.50	*13.75	*8.19	12.83	13.17	5.81
17	*7.97	3.31	41.13	*15.00	*4.01	*13.73	*7.39	12.40	12.40	7.31
18	*5.68	6.42	44.13	*14.91	*6.71	*2.40	*6.20	3.29	12.41	8.22
19	*2.09	8.94	45.80	*12.99	*7.80	0.40	*5.59	0.10	12.80	9.49
20	3.41	11.43	42.54	*9.93	*7.29	1.70	*4.70	*1.20	12.77	8.89
21	6.94	12.31	35.42	*6.56	*6.79	3.20	*4.70	*2.00	12.77	8.19
22	10.70	12.51	26.92	*2.29	*5.79	4.51	*5.71	*1.50	11.87	7.38
23	14.90	12.80	20.48	*3.21	*4.99	6.12	*7.00	*0.30	10.98	5.78
24	17.03	12.78	13.99	7.12	*3.70	8.37	*6.99	0.20	10.08	3.49
25	17.50	12.08	9.14	9.35	*2.90	13.09	*5.68	0.20	9.10	1.50
26	17.54	11.36	6.09	11.80	*2.30	18.15	*3.49	*1.40	9.20	*0.20
27	18.15	10.08	4.60	11.77	*1.70	20.20	0.00	*4.71	9.11	*1.40
28	18.67	8.99	3.90	10.85	*1.80	21.50	3.81	*7.53	9.39	*2.40
29	19.74	8.39	3.80	8.86	*0.20	20.96	6.82	*10.09	8.68	*3.50
30	20.27	7.69	4.40	6.68	1.60	17.47	8.50	*14.10	7.56	*3.50
31	21.01	6.79	4.40	4.69	3.51	14.00	8.79	*16.43	4.09	*2.60
32	21.11	5.80	4.70	2.40	7.85	11.55	8.39	*18.73	1.80	*2.60
33	21.27	5.79	4.70	1.70	11.48	9.88	7.69	*20.41	*0.80	*1.80
34	22.00	3.99	4.69	2.80	14.88	8.88	7.00	*20.58	*3.81	*1.40
35	23.01	*2.30	3.59	2.40	16.20	7.67	6.91	*21.52	*6.11	*1.00
36	24.00	*1.70	0.70	2.70	17.96	5.58	7.61	*22.60	*7.21	*0.50
37	24.51	*5.74	*1.50	2.70	18.70	3.00	8.21	*25.60	*8.40	*0.50
38	22.96	*11.72	*4.61	3.10	18.61	1.20	8.69	*22.48	*8.51	0.10
39	20.85	*15.85	*6.61	3.20	17.83	*1.00	8.29	*21.22	*9.01	0.10
40	18.16	*20.54	*7.59	4.21	14.82	*2.20	7.78	*18.31	*9.51	0.40
41	14.79	*24.28	*6.80	5.61	13.01	*2.20	6.39	*14.31	*10.02	0.40
42	10.35	*26.55	*6.50	7.43	10.44	*2.20	4.69	*10.09	*11.02	0.40
43	4.18	*28.52	*6.41	9.64	7.95	*1.30	1.90	*4.97	*11.72	1.20
44	*2.31	*28.41	*7.61	11.51	4.39	0.60	*1.50	0.70	*12.53	3.50
45	*7.05	*27.11	*8.62	11.71	1.90	3.40	4.92	*13.42	*13.42	4.91
46	*12.00	*24.36	*9.72	8.75	0.80	5.32	*6.41	*14.00	*14.00	6.31
47	*15.37	*19.45	*10.70	5.66	0.80	7.93	*8.75	*10.97	*14.00	7.31
48	*16.75	*12.96	*10.70	0.60	0.10	10.33	*11.84	*13.68	*13.97	7.70
49	*17.67	*6.47	*10.69	*3.41	0.10	11.50	*13.21	*15.71	*13.17	7.70
50	*18.64	*3.59	*10.39	*8.34	*0.80	11.43	*13.60	*17.75	*12.49	7.70

RECORD=S-585 COMPONENT=E-H SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KINUURA-S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	7.69	9.57	4.21	17.75	-6.78	-3.00	-4.69	-11.40	-4.91	-16.85
2	7.18	8.27	5.61	18.54	-4.58	-3.00	-3.58	-11.49	-6.01	-17.60
3	5.79	6.38	6.60	19.13	-0.70	-3.80	-1.80	-11.20	-7.21	-17.60
4	4.69	3.99	6.60	19.50	3.30	-4.80	0.30	-11.10	-8.21	-17.60
5	2.50	1.70	6.59	19.57	5.32	-5.30	2.50	-11.10	-8.80	-17.59
6	1.60	0.50	5.89	20.43	8.97	-5.30	3.90	-11.10	-9.10	-17.51
7	0.70	1.70	4.29	21.92	12.78	-4.60	4.20	-11.10	-9.09	-17.56
8	0.00	1.70	2.90	23.15	15.21	-3.50	4.90	-11.10	-8.36	-16.94
9	-0.00	1.00	0.40	24.36	17.40	-2.60	5.00	-11.10	-5.79	-15.83
10	-2.30	0.50	-3.71	25.61	18.91	-2.00	4.28	-11.10	-4.59	-12.65
11	-6.03	0.50	-8.03	26.05	20.32	-2.00	3.80	-11.10	-3.20	-8.22
12	-10.16	3.31	-10.56	20.83	21.60	-2.00	3.20	-11.10	-2.00	-2.00
13	-12.62	5.61	-13.26	17.99	21.59	-2.30	1.80	-11.10	-1.00	1.40
14	-13.80	7.32	-14.85	14.99	21.43	-2.70	1.40	-11.09	0.20	4.01
15	-13.20	8.72	-15.93	12.73	20.74	-3.00	1.40	-10.88	1.20	6.51
16	-13.28	9.60	-16.50	10.76	20.07	-3.60	1.70	-10.76	2.40	7.71
17	-12.70	9.79	-16.50	8.98	19.62	-3.60	2.80	-10.25	4.01	8.31
18	-12.68	9.10	-16.42	7.67	18.65	-4.10	4.21	-9.89	5.51	9.11
19	-11.98	10.14	-15.00	5.58	17.91	-4.50	6.73	-9.40	6.71	9.80
20	-11.19	11.86	-12.94	3.19	16.61	-4.50	9.35	-8.50	7.91	10.00
21	-10.79	13.67	-11.38	0.60	15.05	-4.40	11.92	-8.00	9.04	10.00
22	-10.28	15.45	-10.49	3.61	13.97	-4.10	12.72	-7.40	11.15	9.99
23	-9.39	16.26	-10.20	6.44	13.20	-3.80	13.20	-6.61	12.85	9.70
24	-8.68	15.58	-10.15	10.79	13.22	-3.80	13.10	-6.61	14.25	9.69
25	-7.28	15.18	-12.43	14.39	13.80	-3.40	12.92	-7.32	15.32	9.40
26	-5.59	14.68	-13.35	16.55	13.82	-2.40	10.70	-8.72	15.69	9.41
27	-3.59	14.17	-14.67	19.16	14.30	-1.50	6.67	-10.02	15.57	9.80
28	-0.70	13.52	-16.19	21.21	14.26	-0.70	3.39	-10.81	15.08	9.90
29	0.40	11.51	-17.81	22.87	13.35	-0.60	0.10	-11.41	14.65	9.90
30	1.30	8.23	-19.30	23.86	12.16	-0.60	-1.80	-11.62	13.55	10.00
31	2.20	3.49	-19.30	24.47	10.75	-1.40	-2.60	-12.22	12.24	10.20
32	2.50	0.70	-18.33	25.60	8.55	-1.30	-2.50	-12.94	10.25	10.20
33	3.50	1.50	-17.27	25.61	5.38	-1.40	-2.60	-13.94	7.97	10.19
34	4.00	1.60	-15.30	25.60	2.10	-0.50	-2.60	-14.92	5.69	9.78
35	4.70	1.10	-13.19	24.91	0.20	0.10	-2.50	-15.41	3.60	8.79
36	4.00	0.50	-10.29	24.21	-3.00	0.10	-2.50	-15.60	2.30	8.14
37	3.20	0.40	-8.80	23.53	-4.00	-0.60	0.30	-15.56	1.20	3.79
38	3.20	1.50	-7.51	23.57	-3.40	-1.00	2.20	-14.77	-0.50	0.90
39	3.60	2.90	6.41	23.23	-3.40	-1.60	2.10	-14.16	-2.81	-6.52
40	4.20	4.60	7.61	23.41	-2.90	-1.80	2.10	-13.25	-5.81	-8.73
41	4.20	5.20	8.81	23.19	-2.70	-1.60	2.10	-11.85	-8.73	-11.62
42	4.30	5.19	9.60	23.15	-2.00	-1.00	0.80	-10.11	-9.13	-11.68
43	4.20	4.09	9.61	23.15	-1.40	-0.61	0.10	-8.20	-10.83	-11.09
44	4.00	2.40	10.33	23.15	-2.00	-1.00	-1.00	-6.70	-12.13	-10.79
45	4.50	1.50	11.55	23.15	-1.40	-0.80	-2.40	-5.14	-13.14	-10.59
46	4.61	0.10	13.17	23.15	-0.80	-0.50	-4.41	-3.10	-14.14	-10.10
47	6.62	1.20	14.98	23.07	-1.40	-0.38	-6.62	-1.40	-15.04	-10.00
48	8.91	16.67	16.67	23.07	-2.30	-5.99	-8.33	-0.60	-15.91	-9.99
49										
50										

RECORD=S*585 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KINUURA*5
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	-6.39	3.20	4.99	10.46	4.40	4.80	0.70	8.79	12.66	-3.00
2	-4.69	3.60	3.90	8.68	4.60	4.20	0.00	7.95	11.46	-3.50
3	-3.50	3.90	2.80	7.29	4.90	3.40	1.10	4.29	10.18	-4.00
4	-2.50	3.80	2.00	6.29	5.20	1.70	2.90	2.70	9.09	-4.40
5	-2.50	3.80	2.00	5.59	4.60	0.30	2.90	0.40	8.49	-5.00
6	-2.00	2.40	2.40	4.29	3.90	-0.40	3.50	-1.40	7.80	-5.00
7	-2.00	0.50	2.70	2.40	2.90	-0.60	3.40	-2.90	7.70	-5.50
8	-2.00	-1.70	3.00	1.10	1.70	-0.60	2.70	-4.11	7.70	-5.70
9	-1.30	-3.61	3.00	0.30	0.40	-0.30	1.60	-5.61	7.60	-6.30
10	0.40	-5.51	3.00	-1.50	-0.60	0.10	0.90	-6.60	7.70	-6.70
11	2.10	-6.70	2.60	-2.60	0.40	0.10	0.10	-6.80	7.39	-7.21
12	3.30	-6.70	2.00	-4.00	-2.50	1.00	-1.40	-6.90	6.70	-7.70
13	4.51	-6.80	1.00	-5.31	-3.50	1.50	-3.10	-6.90	6.30	-7.70
14	5.91	-6.70	0.10	-6.51	-4.40	1.80	-5.00	-6.80	6.00	-7.70
15	7.41	-6.70	1.00	-8.02	-5.20	2.20	-5.70	-6.90	6.00	-7.70
16	7.90	-6.69	-4.01	-9.22	-5.50	2.20	-5.70	-6.90	6.30	-7.70
17	7.90	-5.90	-5.81	-10.42	-5.60	2.20	-5.40	-6.80	6.20	-7.71
18	7.90	-5.70	-7.32	-11.32	-5.60	1.50	-5.10	-6.81	6.30	-6.11
19	7.70	-5.50	-8.71	-12.02	-5.60	0.60	-4.70	-6.81	6.40	-6.70
20	7.40	-5.30	-9.62	-12.51	-5.60	-1.10	-4.00	-6.81	6.40	-6.80
21	7.10	-5.30	-10.70	-12.82	-5.60	-2.40	-3.40	-6.81	6.39	-6.839
22	7.00	-5.30	-10.69	-13.30	-5.60	-3.80	-2.50	-6.81	6.39	-6.839
23	6.89	-5.80	-10.38	-13.28	-5.39	-4.80	-1.60	-6.81	5.80	-7.40
24	5.99	-6.00	-9.36	-12.77	-4.19	-5.30	0.00	-6.81	5.30	-6.99
25	4.69	-6.40	-7.18	-11.88	-2.70	-5.31	1.50	-6.81	5.10	-6.49
26	2.90	-6.70	-5.49	-11.07	-0.60	-6.31	3.20	-6.81	4.80	-5.60
27	0.80	-6.70	-4.10	-9.97	1.20	-7.01	4.70	-6.81	5.00	-5.40
28	-0.80	-6.70	-3.50	-8.77	2.10	-7.61	5.60	-6.81	5.40	-5.40
29	-1.70	-6.19	-3.00	-7.18	3.10	-8.10	6.00	-6.81	5.40	-5.40
30	-1.90	-5.29	-2.60	-5.59	3.20	-8.20	6.40	-6.81	5.40	-5.40
31	-1.60	-4.30	-2.00	-4.09	3.20	-8.19	6.81	-6.81	5.40	-5.81
32	-1.60	-3.10	-0.70	-2.40	2.80	-7.59	7.40	-6.81	5.60	-7.21
33	-1.60	-1.20	1.00	-0.20	2.80	-7.19	7.71	-6.81	5.90	-8.42
34	-1.60	0.10	1.00	0.20	2.80	-6.19	7.71	-6.81	5.90	-9.50
35	-1.60	1.20	3.50	2.50	2.80	-5.59	8.52	-6.81	5.90	-9.70
36	-1.50	1.20	4.00	4.50	3.20	-5.59	9.72	-6.81	5.90	-9.68
37	-1.00	1.20	4.40	5.20	3.60	-5.59	10.81	-6.81	5.90	-8.77
38	-0.70	1.50	5.61	5.30	3.90	-2.60	11.40	-6.81	5.60	-7.20
39	-0.20	2.20	7.11	5.30	4.20	-1.70	11.40	-6.81	5.19	-7.19
40	0.60	3.60	8.00	5.30	4.20	-0.50	11.39	-6.81	3.99	-5.98
41	1.40	4.70	8.33	5.30	4.20	0.20	10.90	-6.81	2.40	-4.00
42	2.30	5.70	10.66	5.30	4.30	0.20	10.79	-6.81	0.30	-3.00
43	2.60	6.10	12.95	5.30	4.70	0.50	10.49	-6.81	0.30	-2.50
44	2.50	6.10	14.24	5.30	4.70	0.50	10.19	-6.81	0.30	-2.60
45	2.30	5.60	15.25	5.30	5.60	0.80	9.90	-6.81	0.30	-2.60
46	2.20	5.10	16.27	5.30	6.70	0.80	9.80	-6.81	0.30	-2.60
47	2.20	4.80	15.68	4.70	6.70	0.40	9.80	-6.81	0.30	-2.10
48	2.40	5.10	15.25	4.40	6.30	-0.00	9.80	-6.81	0.30	-1.00
49	2.70	5.40	14.25	4.40	5.90	-0.40	9.89	-6.81	0.30	0.80
50	2.90	5.60	12.53	4.50	5.59	-0.60	9.39	-6.81	0.30	1.60

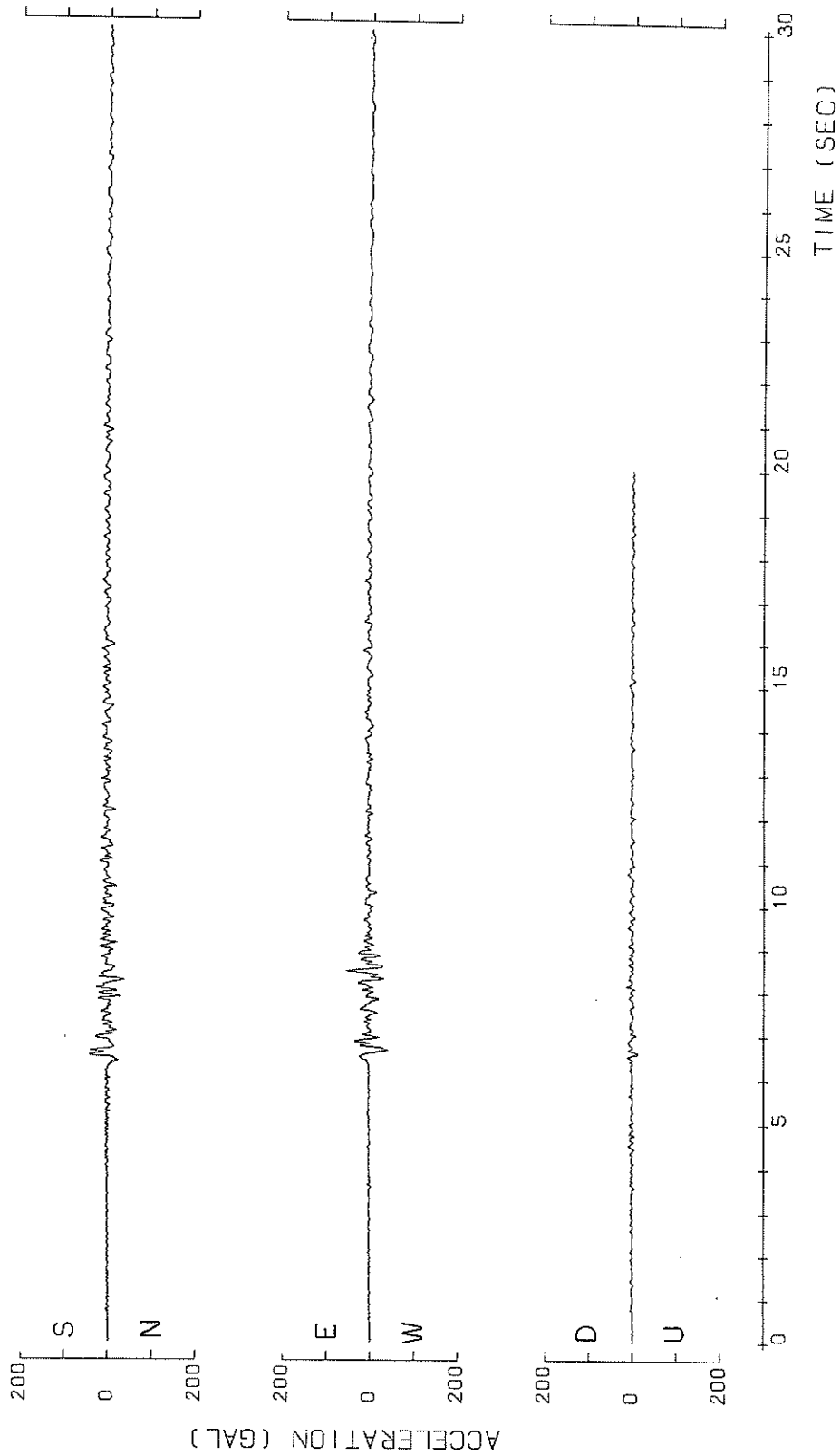
RECORD=S=585 COMPONENT=E+W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KINUURA=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

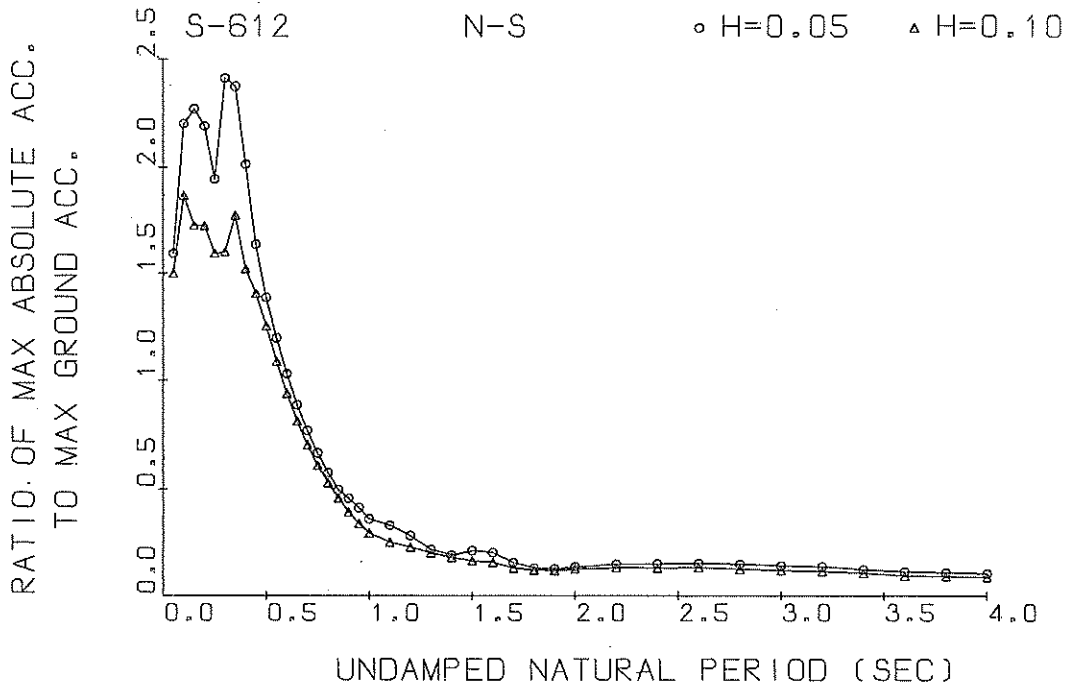
NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	3.10	2.80	3.60	6.20	5.40	3.20	4.60	5.70	0.50	10.62
2	4.51	-2.60	3.20	-6.50	4.60	2.50	-4.20	5.70	-0.90	11.41
3	6.01	-2.30	2.60	-6.50	3.60	1.60	-3.60	5.70	0.20	11.70
4	7.52	-1.80	1.90	-6.80	2.30	0.50	-3.00	5.40	-1.20	11.77
5	9.84	-1.50	1.50	-7.21	0.40	-0.60	-2.60	5.10	-1.60	10.88
6	11.22	-1.00	1.30	-7.80	-0.70	-1.70	-2.00	4.70	-1.90	10.08
7	11.90	-1.30	0.90	-7.80	-1.60	-2.90	-2.50	4.00	-2.50	9.39
8	12.00	-1.30	0.60	-7.80	-2.00	-4.00	-1.70	3.10	-3.00	8.69
9	12.82	-1.40	0.60	-7.70	-2.90	-4.70	-1.40	2.50	-3.20	7.80
10	12.80	-1.30	0.70	-7.59	-3.60	-5.30	-0.60	1.80	-3.60	7.79
11	12.80	-1.30	0.60	-6.90	-4.20	-5.80	-0.10	1.10	-4.00	7.19
12	12.79	-0.90	0.60	-6.49	-4.20	-6.41	0.50	0.60	4.40	6.69
13	12.58	-0.40	0.60	-5.80	-4.30	-7.10	1.10	0.00	4.90	6.10
14	11.89	0.10	0.40	-5.30	-4.20	-7.20	1.00	0.50	-5.40	5.79
15	11.58	0.60	0.20	-4.70	-3.70	-7.20	1.60	1.00	-5.40	5.00
16	10.94	1.50	0.60	-3.70	-3.80	-6.80	2.80	1.50	-5.70	4.20
17	10.38	2.20	1.00	-3.00	-4.30	-6.39	3.60	2.10	-5.70	3.10
18	9.39	3.00	1.50	-2.00	-4.40	-5.80	4.20	2.90	-5.70	2.20
19	8.68	3.50	1.70	-0.70	-4.40	-5.50	4.80	3.50	-6.80	0.40
20	7.70	3.90	2.20	0.00	-4.50	-5.10	5.60	3.50	-6.10	-1.00
21	7.59	3.90	2.80	0.50	-4.40	-5.10	5.70	3.50	-6.50	-2.70
22	6.38	3.90	3.60	1.00	-4.00	-4.70	5.70	3.20	-7.00	-4.31
23	4.59	3.90	4.20	1.50	-3.70	-4.60	5.80	3.50	-7.20	-6.30
24	3.20	3.80	-4.90	2.20	-3.20	-4.20	5.40	3.90	-7.20	-6.71
25	1.70	3.80	-5.60	2.90	-2.70	-3.60	5.40	4.70	-7.20	-6.11
26	0.90	3.80	-6.20	3.90	-2.00	-3.10	5.81	4.50	-7.20	-6.41
27	0.10	4.20	-6.70	4.50	-1.30	-2.50	6.50	5.00	-6.90	-8.80
28	-0.60	4.20	-6.70	5.31	-0.50	-2.00	6.50	5.40	-6.90	-8.80
29	-1.50	3.70	-6.70	6.31	0.10	-1.90	6.70	5.91	-6.60	-8.20
30	-2.50	4.50	-6.39	7.11	0.50	-1.40	6.59	6.61	-6.39	-8.50
31	-3.70	4.90	-5.70	7.71	0.50	-0.40	5.99	7.30	-5.70	-8.20
32	-4.90	5.60	-5.70	8.33	1.60	-0.20	5.30	7.70	-5.00	-8.00
33	-5.40	5.70	-5.60	10.01	2.80	0.80	4.70	7.70	-4.60	-7.70
34	-5.40	5.70	-5.60	10.69	3.80	-0.80	3.90	7.60	-3.60	-7.70
35	-5.40	5.60	-5.60	10.29	4.90	-1.20	2.60	7.19	-2.70	-7.50
36	-5.20	4.90	-5.60	9.80	5.81	-1.20	1.80	6.69	-2.00	-7.50
37	-4.80	4.50	-5.60	9.79	6.81	-1.50	1.30	5.69	-1.20	-7.30
38	-4.80	3.70	-5.60	9.20	7.70	-1.60	0.70	4.90	-0.60	-7.00
39	-4.80	2.80	-5.59	9.20	7.71	-2.10	0.20	4.60	-0.20	-6.60
40	-4.60	1.90	-4.60	9.20	8.11	-2.20	-0.30	4.00	0.10	-6.60
41	-4.40	1.20	-4.10	9.20	8.50	-2.60	-0.80	3.70	0.40	-6.59
42	-4.20	0.30	-4.10	9.20	8.59	-3.30	-1.20	3.40	1.20	-5.39
43	-4.00	0.30	-4.70	9.19	7.79	-3.80	-1.40	3.10	1.90	-3.50
44	-4.00	0.30	-4.60	8.79	7.39	-4.40	-1.50	2.80	2.70	-3.50
45	-4.50	0.70	-6.20	8.29	6.59	-5.10	-2.00	2.60	2.70	-2.20
46	-4.40	1.00	-6.10	7.69	5.79	-5.70	-2.50	1.90	4.20	-2.20
47	-4.20	1.80	-6.40	6.90	5.10	-5.20	-3.10	1.50	5.31	-1.20
48	-3.80	2.40	-6.50	6.90	4.50	-5.20	-3.70	0.50	6.41	0.40
49	-3.60	3.30	-6.20	6.49	4.20	-5.10	-4.50	0.50	7.51	1.30
50	-3.30	3.50	-6.20	5.90	3.60	-4.70	-5.20	0.10	8.31	2.60
									9.23	3.80

RECORD=S-585 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KINUURA=S
 DATE AND TIME=1971-01-05-06-09 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3500

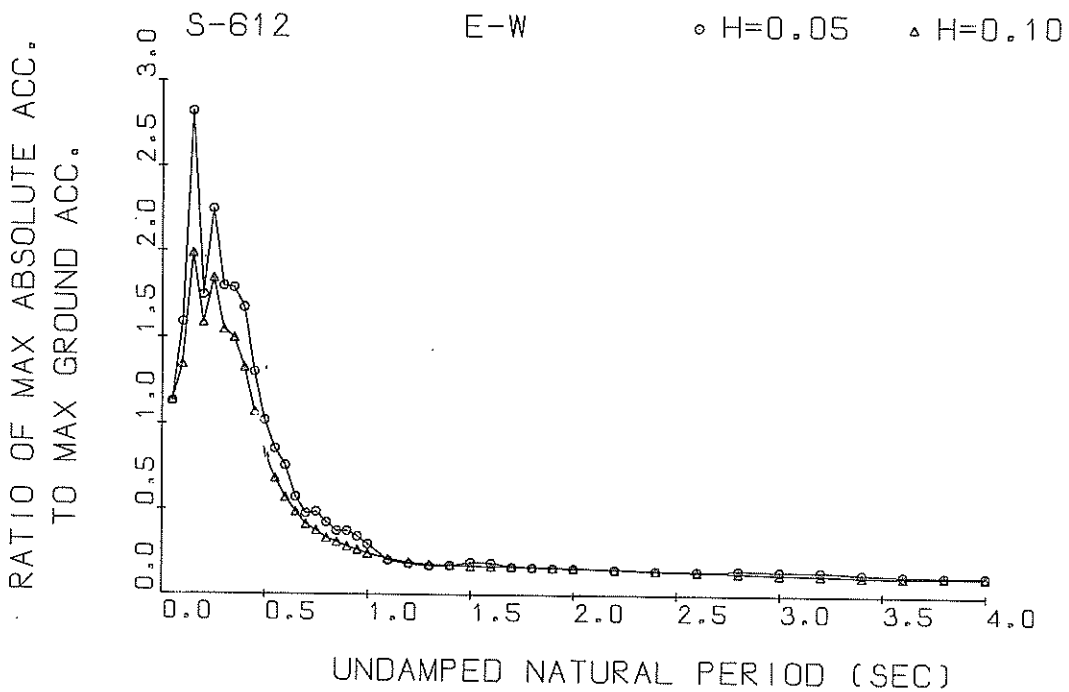
NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	4.80	2.50	5.70	2.60	4.30	-0.10	5.30	2.80	3.20	4.90
2	5.50	-2.00	-5.70	2.70	-4.60	-0.10	5.30	2.80	3.30	4.90
3	6.00	-1.10	-5.70	2.60	-5.00	-0.50	5.10	3.30	4.00	4.90
4	6.00	0.00	-6.00	2.60	-5.50	-0.60	4.60	4.00	4.70	4.90
5	6.00	0.90	-6.10	2.60	-5.80	-1.20	4.10	4.20	4.70	4.90
6	6.00	2.60	-6.20	2.70	-5.90	-1.40	3.50	4.20	4.70	4.90
7	6.30	3.70	-6.30	2.70	-6.20	-1.40	3.00	4.30	4.40	4.90
8	6.30	3.70	-6.30	2.60	-6.40	-1.40	2.70	4.30	4.20	3.90
9	6.29	3.70	-6.20	2.60	-6.80	-1.20	2.30	4.30	4.00	3.50
10	5.70	5.30	-6.00	2.70	-6.90	-1.20	2.00	4.30	4.10	3.10
11	5.40	6.11	-5.40	2.70	-6.70	-1.20	1.50	4.30	4.40	2.70
12	5.40	6.90	-4.70	2.70	-6.60	-0.60	0.40	4.20	4.70	2.80
13	5.60	7.01	-4.10	2.70	-6.40	-1.20	-0.20	4.10	4.80	1.80
14	5.80	7.81	-3.30	2.60	-6.00	-1.20	-0.50	3.80	4.40	1.50
15	5.60	8.60	-2.40	2.70	-5.70	-0.90	-0.60	3.80	3.80	1.00
16	5.10	8.90	-1.10	2.50	-5.09	-0.60	-1.20	3.40	3.10	0.60
17	4.80	9.11	-0.70	2.30	-4.10	-0.50	-1.10	2.30	2.30	0.40
18	4.50	9.61	-0.20	2.30	-3.30	-0.20	-1.00	3.10	1.30	0.10
19	4.00	10.30	0.50	2.60	-2.50	-0.20	-1.00	3.10	0.40	-0.10
20	3.40	10.30	1.10	2.60	-2.80	-0.20	-0.90	-0.20	-0.20	-1.20
21	2.80	10.40	1.60	2.60	-1.00	-0.50	-0.90	3.10	-1.00	-1.40
22	2.60	10.30	2.20	2.80	0.30	-1.50	-0.60	2.40	-1.70	-1.70
23	2.20	10.20	2.70	2.80	1.10	-1.50	-0.50	1.50	-2.20	-1.80
24	2.20	10.00	3.30	2.80	1.70	-1.50	-0.20	0.70	-2.90	-2.30
25	1.90	9.79	3.70	2.70	2.50	-1.50	-0.20	-0.40	-2.50	-2.40
26	1.50	9.38	3.80	2.70	3.00	-1.20	-0.10	-0.30	-4.10	-2.70
27	1.00	8.59	3.70	2.80	3.70	-1.00	0.10	-1.30	-4.40	-3.30
28	0.50	7.89	4.10	2.60	4.10	-0.90	0.00	-2.00	-4.60	-3.70
29	-0.00	7.29	4.40	2.60	4.20	-0.60	0.20	-2.50	-4.70	-4.10
30	-0.70	6.49	4.70	2.50	4.40	-0.20	0.30	-3.00	-4.10	-4.30
31	-2.90	5.70	4.90	2.50	4.80	0.40	0.60	-3.50	-3.70	-4.40
32	-4.00	5.20	5.10	2.30	5.20	0.90	0.60	-4.00	-3.70	-4.40
33	-4.00	5.10	5.10	2.30	5.80	0.90	0.50	-4.00	-3.20	-4.60
34	-4.00	5.20	5.30	2.20	6.10	1.10	0.40	-4.00	-2.50	-4.90
35	-4.20	5.20	5.40	1.90	6.10	1.00	0.30	-4.00	-2.20	-4.80
36	-4.20	4.79	5.50	1.70	6.10	1.40	0.10	-4.00	-1.60	-4.40
37	-4.20	3.70	5.60	1.40	6.10	1.80	0.10	-4.00	-1.10	-4.00
38	-4.20	2.50	5.60	1.30	6.40	2.30	-0.10	-4.00	-0.60	-4.00
39	-4.30	1.00	5.90	1.30	6.50	2.90	0.20	-4.00	-0.20	-3.30
40	-4.30	0.00	5.80	1.30	6.10	3.40	0.10	-3.60	0.50	-2.90
41	-4.00	-2.00	5.80	1.30	6.10	4.10	0.20	-3.30	1.20	-1.80
42	-5.80	-3.30	5.50	0.90	5.49	4.50	0.30	-3.10	1.80	-1.00
43	-5.60	-4.30	5.20	0.20	4.30	4.60	0.70	-2.60	2.60	-0.10
44	-3.70	-4.90	4.90	-0.50	3.20	4.50	0.80	-2.20	3.20	1.10
45	-3.60	-5.40	4.40	-1.10	2.50	4.50	1.10	-1.40	4.30	2.30
46	-3.60	-5.40	4.20	-1.70	1.70	4.50	1.30	-0.50	4.70	3.60
47	-3.60	-5.40	3.80	-2.20	1.20	4.70	1.70	0.60	4.90	4.00
48	-3.60	-5.40	3.30	-2.80	0.60	5.00	1.90	1.50	4.90	4.40
49	-3.60	-5.40	3.60	-3.60	0.40	5.10	2.20	2.00	4.90	4.90
50	-3.40	-5.40	2.70	-4.00	0.20	5.10	2.60	3.00	4.90	5.10

S-612 KASHIMA-S 1971-06-13-13-06

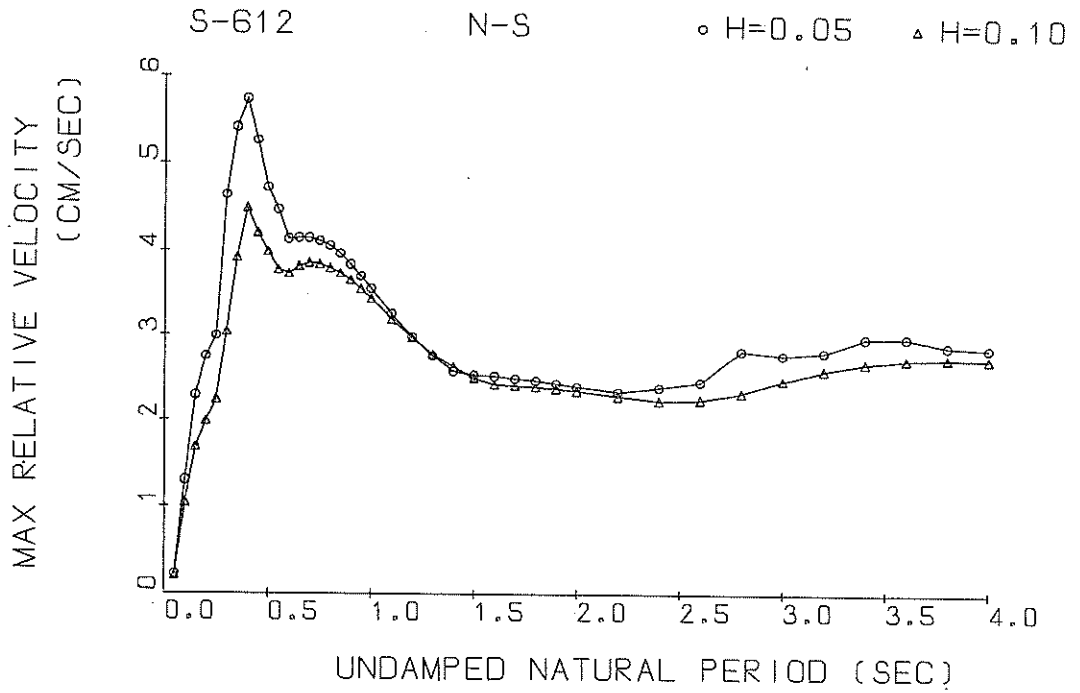




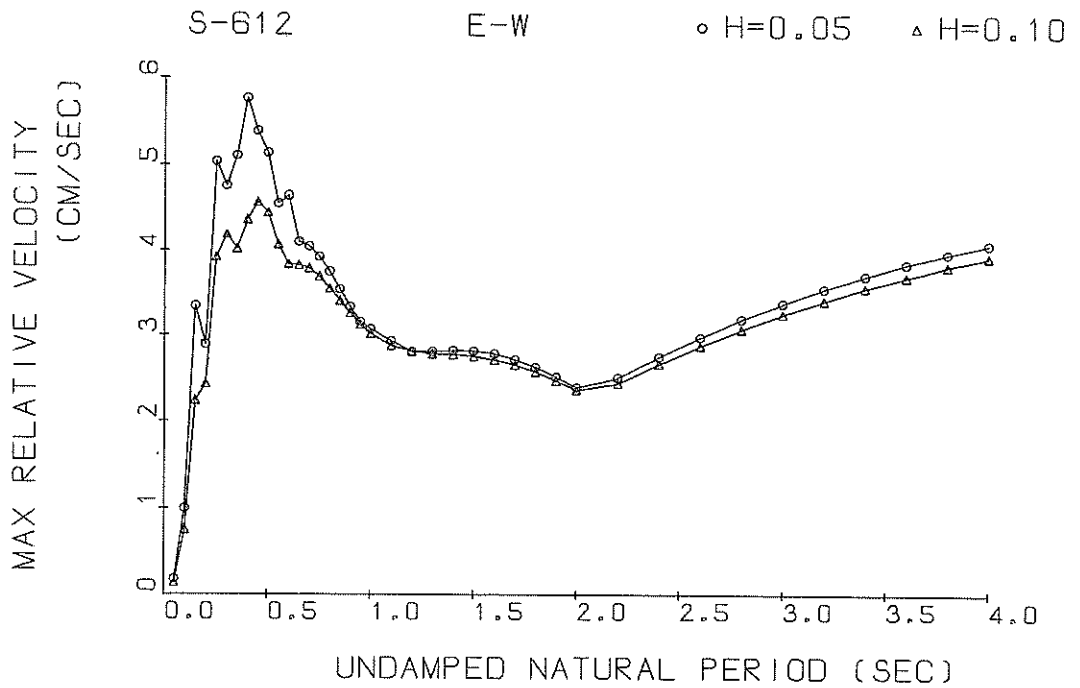
Response Spectra



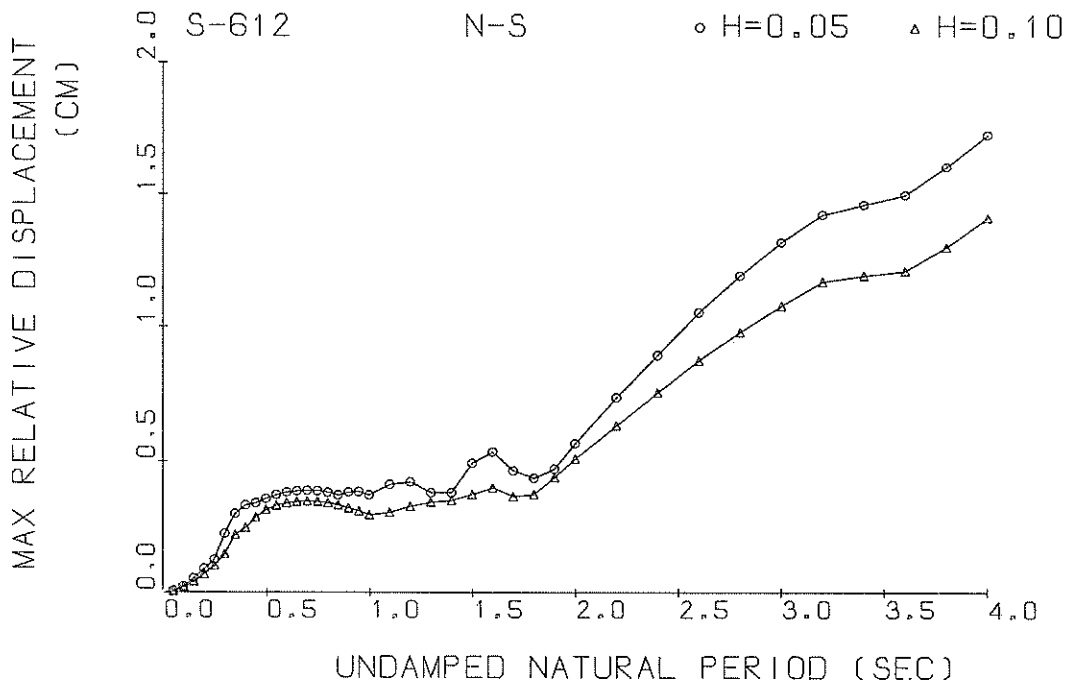
Response Spectra



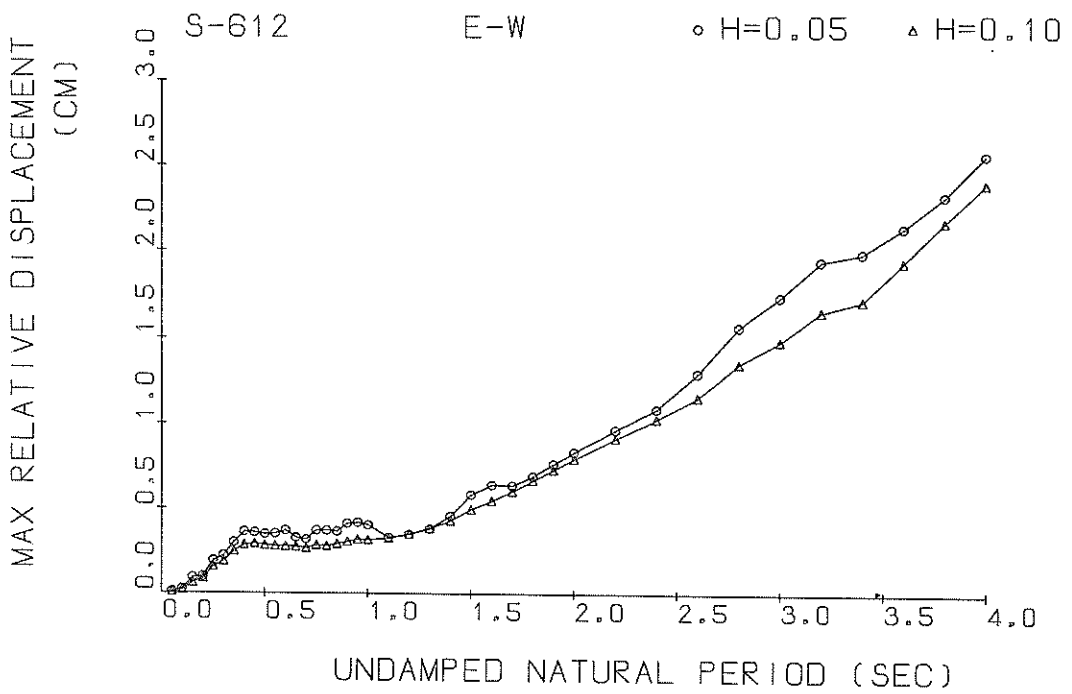
Response Spectra



Response Spectra



Response Spectra

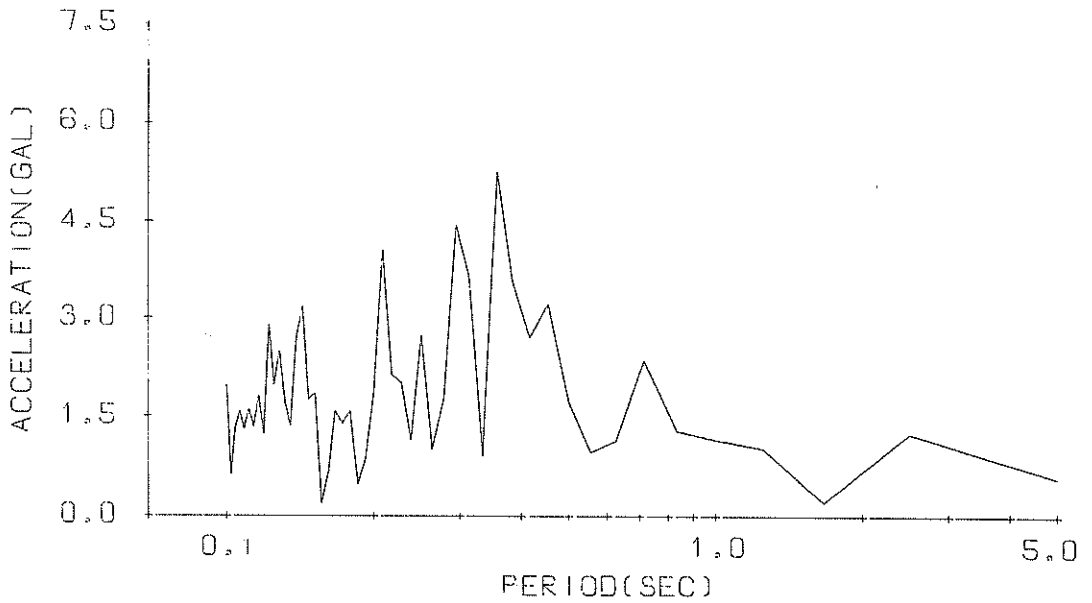


Response Spectra

S-612 N-S

TSK=5.50

TUS=5.00

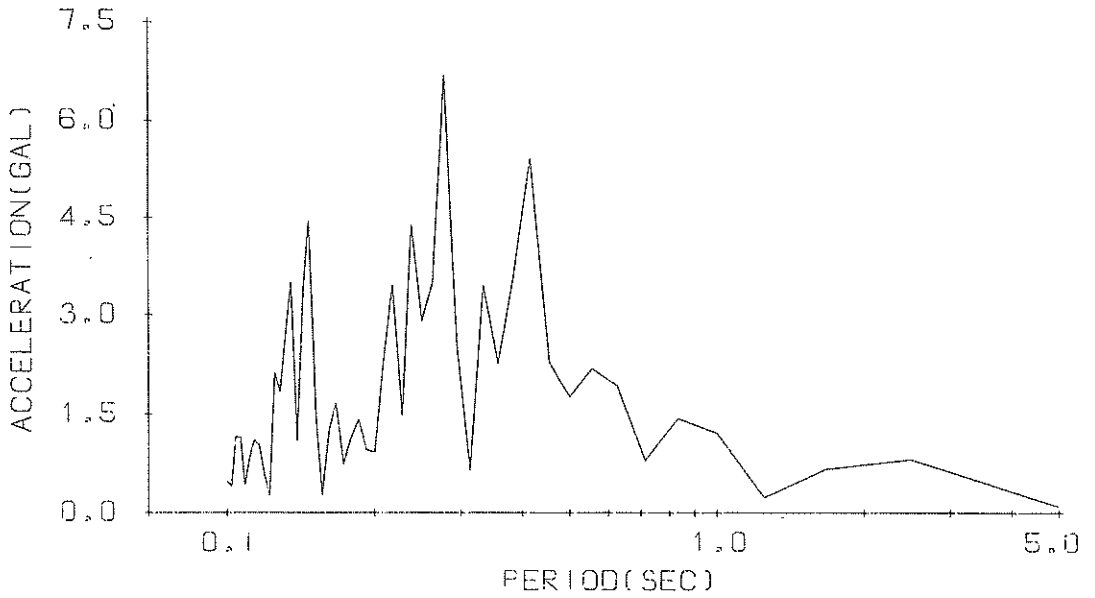


Fourier Spectrum

S-612 E-W

TSK=5.50

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S=612 N=S 1971-06-13-13-06
 STATION = KASHIMA=S INPUT SIGNAL = GR,ACC,
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 5.50(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 41.15(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.590	65.44	24.57	0.218	0.0041
0.100	2.203	90.64	71.09	1.299	0.0229
0.150	2.271	93.44	112.07	2.286	0.0530
0.200	2.191	90.14	81.30	2.746	0.0908
0.250	1.942	79.91	70.16	2.984	0.1258
0.300	2.411	99.20	106.68	4.629	0.2260
0.350	2.372	97.59	108.45	5.410	0.3014
0.400	2.013	82.82	92.82	5.732	0.3333
0.450	1.635	67.25	90.82	5.256	0.3423
0.500	1.382	56.87	82.80	4.721	0.3579
0.550	1.192	49.04	67.10	4.463	0.3731
0.600	1.026	42.20	61.42	4.137	0.3824
0.650	0.884	36.38	59.84	4.151	0.3868
0.700	0.767	31.54	59.25	4.151	0.3890
0.750	0.664	27.33	57.25	4.114	0.3865
0.800	0.574	23.62	56.13	4.058	0.3806
0.850	0.496	20.40	55.03	3.964	0.3707
0.900	0.456	18.76	53.96	3.841	0.3823
0.950	0.411	16.92	52.91	3.700	0.3838
1.000	0.359	14.78	51.89	3.549	0.3717
1.100	0.330	13.57	50.00	3.248	0.4111
1.200	0.282	11.60	48.35	2.977	0.4206
1.300	0.219	9.00	46.96	2.753	0.3810
1.400	0.189	7.78	45.81	2.574	0.3804
1.500	0.211	8.69	44.88	2.532	0.4920
1.600	0.202	8.31	44.14	2.518	0.5335
1.700	0.156	6.43	43.53	2.497	0.4631
1.800	0.130	5.35	43.05	2.468	0.4356
1.900	0.126	5.17	42.67	2.436	0.4704
2.000	0.137	5.64	42.36	2.402	0.5660
2.200	0.149	6.11	41.91	2.334	0.7376
2.400	0.151	6.20	41.61	2.388	0.8939
2.600	0.151	6.23	41.42	2.461	1.0514
2.800	0.147	6.05	41.29	2.827	1.1894
3.000	0.141	5.79	41.20	2.776	1.3152
3.200	0.136	5.58	41.15	2.813	1.4216
3.400	0.122	5.03	41.11	2.981	1.4593
3.600	0.112	4.59	41.09	2.984	1.4989
3.800	0.108	4.44	41.07	2.888	1.6041
4.000	0.105	4.31	41.06	2.865	1.7280

RESPONSE SPECTRUM

RECORD = S-612 N-S 1973-06-13-13-06
 STATION = KASHIMA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO.ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 5.50(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 41.15(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLA CE (CM)
0.050	1.497	61.61	20.46	0.198	0.0039
0.100	1.866	76.76	56.72	1.038	0.0190
0.150	1.724	70.95	33.46	1.679	0.0399
0.200	1.723	70.89	60.11	1.985	0.0701
0.250	1.591	65.47	59.07	2.244	0.1020
0.300	1.597	65.72	80.45	3.034	0.1465
0.350	1.771	72.89	86.01	3.914	0.2211
0.400	1.519	62.49	69.34	4.485	0.2477
0.450	1.402	57.70	74.50	4.204	0.2894
0.500	1.248	51.34	71.40	3.986	0.3163
0.550	1.084	44.62	61.26	3.775	0.3330
0.600	0.936	38.52	59.45	3.731	0.3418
0.650	0.811	33.35	58.34	3.820	0.3473
0.700	0.702	28.90	57.27	3.856	0.3489
0.750	0.609	25.05	56.26	3.842	0.3465
0.800	0.527	21.69	55.30	3.795	0.3415
0.850	0.455	18.74	54.36	3.736	0.3332
0.900	0.393	16.16	53.43	3.649	0.3225
0.950	0.339	13.95	52.53	3.544	0.3105
1.000	0.294	12.11	51.64	3.429	0.2971
1.100	0.253	10.39	49.99	3.190	0.3058
1.200	0.227	9.36	48.53	2.967	0.3295
1.300	0.202	8.31	47.28	2.776	0.3447
1.400	0.180	7.41	46.22	2.620	0.3521
1.500	0.165	6.78	45.35	2.498	0.3745
1.600	0.156	6.40	44.63	2.422	0.3979
1.700	0.130	5.36	44.04	2.407	0.3659
1.800	0.120	4.93	43.56	2.389	0.3747
1.900	0.119	4.89	43.17	2.368	0.4382
2.000	0.126	5.17	42.84	2.343	0.5079
2.200	0.132	5.43	42.35	2.290	0.6320
2.400	0.131	5.37	42.02	2.238	0.7554
2.600	0.132	5.41	41.79	2.257	0.8741
2.800	0.124	5.09	41.62	2.332	0.9789
3.000	0.118	4.84	41.50	2.481	1.0761
3.200	0.115	4.72	41.42	2.600	1.1667
3.400	0.105	4.33	41.36	2.679	1.1894
3.600	0.092	3.78	41.31	2.724	1.2058
3.800	0.090	3.69	41.28	2.739	1.2971
4.000	0.087	3.58	41.25	2.729	1.4100

RESPONSE SPECTRUM

RECORD = S-612 E-W 1971-06-13-13-06
 STATION = KASHIMA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 5.50(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 54.09(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VFLOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.128	61.00	21.42	0.181	0.0039
0.100	1.587	85.81	54.35	0.993	0.0217
0.150	2.820	152.54	137.76	3.340	0.0863
0.200	1.743	94.28	88.00	2.881	0.0944
0.250	2.242	121.27	142.54	5.034	0.1903
0.300	1.792	96.93	120.59	4.756	0.2202
0.350	1.782	96.38	109.00	5.106	0.2982
0.400	1.670	90.34	119.97	5.763	0.3625
0.450	1.298	70.21	106.18	5.383	0.3580
0.500	1.018	55.03	75.26	5.136	0.3475
0.550	0.852	46.08	98.66	4.557	0.3501
0.600	0.756	40.87	80.41	4.645	0.3696
0.650	0.570	30.84	64.85	4.094	0.3284
0.700	0.474	25.62	61.08	4.039	0.3164
0.750	0.484	26.18	64.11	3.914	0.3708
0.800	0.423	22.87	65.30	3.741	0.3691
0.850	0.372	20.10	59.45	3.533	0.3659
0.900	0.373	20.19	55.81	3.328	0.4125
0.950	0.339	18.36	54.46	3.149	0.4184
1.000	0.295	15.94	53.23	3.063	0.4021
1.100	0.201	10.87	51.33	2.926	0.3292
1.200	0.180	9.71	51.28	2.796	0.3468
1.300	0.169	9.13	54.32	2.799	0.3821
1.400	0.171	9.26	55.80	2.811	0.4579
1.500	0.190	10.26	55.64	2.806	0.5823
1.600	0.184	9.94	54.45	2.773	0.6405
1.700	0.162	8.75	53.00	2.710	0.6380
1.800	0.160	8.66	51.82	2.621	0.6936
1.900	0.158	8.57	51.14	2.510	0.7644
2.000	0.156	8.44	50.99	2.383	0.8338
2.200	0.150	8.10	51.76	2.498	0.9652
2.400	0.142	7.68	53.01	2.744	1.0865
2.600	0.140	7.59	54.00	2.976	1.2955
2.800	0.146	7.90	54.47	3.188	1.5594
3.000	0.141	7.62	54.44	3.380	1.7305
3.200	0.139	7.53	54.04	3.552	1.9347
3.400	0.127	6.86	53.43	3.705	1.9809
3.600	0.120	6.50	52.70	3.842	2.1267
3.800	0.118	6.38	51.96	3.965	2.3135
4.000	0.118	6.37	51.26	4.074	2.5546

RESPONSE SPECTRUM

RECORD = S-612 E-W 1971-06-13-13-06
 STATION = KASHIMA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 5.50(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 54.09(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.132	61.23	15.17	0.136	0.0039
0.100	1.344	72.68	40.94	0.750	0.0183
0.150	1.983	107.25	66.03	2.230	0.0612
0.200	1.583	85.64	78.37	2.423	0.0857
0.250	1.841	99.58	108.45	3.916	0.1536
0.300	1.543	83.46	107.33	4.185	0.1852
0.350	1.494	80.82	90.52	4.009	0.2459
0.400	1.323	71.54	91.28	4.367	0.2823
0.450	1.067	57.69	87.24	4.570	0.2899
0.500	0.826	44.66	78.46	4.444	0.2792
0.550	0.680	36.80	83.68	4.058	0.2767
0.600	0.567	30.69	75.28	3.823	0.2740
0.650	0.485	26.21	62.50	3.814	0.2716
0.700	0.410	22.18	59.33	3.780	0.2642
0.750	0.374	20.23	61.27	3.686	0.2821
0.800	0.330	17.87	61.25	3.546	0.2781
0.850	0.307	16.59	58.20	3.401	0.2903
0.900	0.283	15.30	54.61	3.253	0.3047
0.950	0.263	14.22	53.62	3.119	0.3172
1.000	0.241	13.01	52.68	3.009	0.3140
1.100	0.209	11.33	51.16	2.863	0.3256
1.200	0.190	10.25	51.45	2.799	0.3493
1.300	0.178	9.62	53.37	2.777	0.3842
1.400	0.172	9.28	54.43	2.766	0.4294
1.500	0.168	9.08	54.49	2.746	0.4961
1.600	0.166	8.96	53.88	2.706	0.5485
1.700	0.164	8.86	53.02	2.646	0.6035
1.800	0.162	8.76	52.26	2.565	0.6669
1.900	0.160	8.63	51.78	2.467	0.7310
2.000	0.157	8.49	51.61	2.355	0.7943
2.200	0.150	8.14	52.00	2.435	0.9151
2.400	0.143	7.73	52.78	2.658	1.0260
2.600	0.135	7.30	53.46	2.870	1.1542
2.800	0.129	6.97	53.82	3.068	1.3503
3.000	0.122	6.60	53.83	3.248	1.4784
3.200	0.120	6.50	53.56	3.412	1.6461
3.400	0.112	6.08	53.11	3.559	1.7090
3.600	0.111	5.98	52.57	3.692	1.9296
3.800	0.112	6.06	51.99	3.813	2.1624
4.000	0.112	6.07	51.42	3.921	2.3857

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.00	-0.55	-2.80	-1.25	1.59	-0.46	-1.11	1.84	0.09	3.14
2	0.00	-0.25	-1.90	-0.35	1.79	0.24	-0.51	2.84	0.09	2.64
3	-0.30	0.05	-1.10	-0.35	0.80	1.25	-0.11	2.74	2.79	2.24
4	-1.60	0.45	-0.50	0.45	0.40	1.75	1.09	2.14	2.89	1.94
5	-0.90	0.75	1.10	1.35	1.10	0.65	2.29	0.44	4.29	1.44
6	-1.79	0.45	0.30	-0.05	0.20	1.65	2.10	1.24	4.29	1.04
7	-0.79	0.06	0.10	-0.65	0.10	2.15	1.00	0.25	2.79	0.74
8	-1.09	0.06	-0.20	-1.85	0.50	1.75	0.90	0.95	1.19	-0.06
9	-0.59	0.26	0.41	-0.95	0.70	1.35	2.40	1.15	-0.30	-0.76
10	-1.49	0.46	0.11	-0.25	1.80	2.15	1.70	1.35	-1.10	-0.95
11	-0.49	0.26	1.21	1.56	1.20	1.85	1.80	0.75	-1.00	-0.35
12	-0.69	0.06	0.11	0.16	1.01	0.65	2.80	0.05	-1.00	1.95
13	-1.09	0.06	0.19	-0.54	0.61	0.05	2.10	1.15	-0.50	2.45
14	-1.39	-0.14	0.11	-0.54	0.21	0.06	0.80	0.85	-0.20	1.85
15	0.31	-0.44	-0.19	1.46	-0.09	-0.14	-0.30	1.45	0.10	0.45
16	1.11	-0.54	0.11	1.96	0.21	0.66	-0.69	2.15	0.40	-0.85
17	0.17	0.73	0.11	2.96	0.81	0.76	-0.29	2.75	0.40	-1.95
18	-0.21	1.37	-0.19	2.46	0.21	1.66	0.81	1.06	0.40	-1.15
19	-0.71	2.06	-0.18	1.76	0.51	1.76	0.91	0.96	0.41	1.15
20	-0.41	-1.53	-0.48	0.86	0.51	1.76	0.91	0.36	0.41	2.86
21	0.41	-1.13	0.12	0.87	0.51	2.06	0.91	0.36	3.50	4.75
22	1.01	0.77	0.12	0.47	0.01	2.06	0.91	1.16	1.91	3.65
23	0.22	4.87	-0.98	0.47	-1.29	1.76	0.91	1.86	0.71	2.16
24	-0.02	4.65	0.42	0.17	-1.18	1.76	0.91	2.06	-0.19	0.46
25	-0.58	0.27	0.72	0.17	-0.18	1.37	0.91	2.06	2.01	-1.24
26	0.03	0.87	-0.08	0.17	0.52	1.27	0.91	2.36	4.01	1.46
27	-0.97	-1.63	0.72	0.17	1.92	0.67	0.22	2.36	3.21	2.17
28	-1.37	-2.33	1.12	0.17	1.22	-0.03	2.82	0.07	2.21	5.66
29	0.93	-2.82	0.12	0.17	1.82	0.67	2.82	0.07	2.81	5.66
30	0.03	-2.52	-0.07	0.17	2.82	1.17	2.82	0.07	2.51	4.46
31	-0.67	-1.92	0.23	-0.22	1.32	1.17	1.22	0.57	1.42	3.96
32	-1.97	-0.92	0.53	-0.22	1.32	0.17	1.22	0.47	1.42	2.96
33	0.77	1.48	-0.17	-0.22	0.23	-0.13	0.82	0.57	3.62	-0.23
34	1.03	1.08	-0.67	-0.22	-1.47	-0.33	1.32	0.57	3.41	-1.53
35	1.23	0.28	-0.67	0.16	-2.47	-0.72	1.82	0.77	3.82	0.87
36	-1.57	-0.82	-0.57	1.48	-1.57	0.68	2.13	0.77	2.12	3.97
37	-1.76	0.08	0.43	1.48	-0.57	2.78	2.13	0.37	0.62	4.37
38	0.64	-0.91	1.03	2.28	-0.57	1.48	1.63	0.88	-0.68	1.57
39	0.74	0.39	2.13	2.28	2.63	2.28	-0.57	1.58	0.03	-0.03
40	-0.26	0.39	1.54	1.48	1.13	1.48	-1.47	1.68	-0.97	-0.42
41	-0.36	-0.01	-0.76	0.29	1.53	2.38	-0.57	1.68	0.33	-2.02
42	0.06	-0.41	-0.76	0.29	1.23	1.38	-0.57	1.68	1.35	1.38
43	0.14	-0.71	-1.46	-0.11	1.34	1.98	0.33	1.68	0.33	1.38
44	0.14	-0.56	-0.56	-1.31	0.94	1.38	0.93	1.78	0.33	1.38
45	-0.56	-0.31	0.24	-0.01	0.54	1.79	1.83	0.88	1.43	-0.42
46	-0.66	0.49	3.34	1.19	0.24	1.49	1.63	0.38	2.63	3.38
47	-0.65	1.39	0.94	0.36	1.19	1.19	1.49	1.38	4.23	4.58
48	-1.95	2.19	0.04	-0.96	0.04	0.19	-0.36	0.99	4.13	4.57
49	2.15	1.60	-0.26	0.19	-1.46	-0.61	0.24	1.09	3.53	1.58
50	-0.25	1.00	-1.05	0.69	-0.96	-1.41	0.84	0.49	3.34	-0.22

RECORDS=612
DATE AND TIME=1971-06-13-13-06

COMPONENT=N=S
SAMPLING INTERVAL= 0.010(SEC)

SIGNAL=GR,ACC,
CORRECTION=ZERO,ARC
FORMAT NO.=301

STATION=KASHIMA=S
TOTAL NUMBER OF DATA= 3000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-0.22	4.53	3.62	35.19	-13.12	4.66	-21.60	-11.40	16.50	2.92
2	-0.51	2.83	3.61	39.67	-12.84	11.73	-13.96	-12.11	19.89	3.62
3	0.79	-0.67	-0.22	41.15	-7.70	14.99	-7.71	-13.40	16.59	3.82
4	2.49	4.86	3.09	40.74	1.28	12.21	1.08	-16.46	13.32	3.72
5	4.48	-5.66	3.48	35.14	4.07	8.63	9.06	-16.07	4.37	2.32
6	3.29	-2.16	3.19	26.12	1.18	2.73	19.65	-14.23	1.97	0.43
7	1.59	-0.46	2.69	19.16	-6.37	-0.47	26.95	-13.21	-0.82	-2.28
8	-2.21	1.44	1.59	13.38	-13.10	-1.27	20.05	-11.35	-1.92	-5.88
9	-1.71	3.64	0.89	7.00	-20.11	-1.07	11.28	-3.55	-4.14	-7.05
10	-0.41	2.14	1.49	13.05	-19.56	0.94	17.60	2.54	-8.34	-5.46
11	1.50	0.64	1.99	22.44	-13.32	1.74	9.18	6.02	-16.61	-3.66
12	3.00	1.94	2.39	34.39	-10.91	-0.26	9.19	4.34	-21.12	-1.67
13	2.99	2.74	3.09	39.44	-6.88	-1.06	9.19	5.03	-18.24	4.15
14	1.40	1.55	1.49	34.54	-3.51	-1.96	9.19	4.93	-5.87	9.80
15	0.20	2.85	1.70	27.14	-3.91	-3.47	9.19	4.13	0.49	8.33
16	-0.60	3.25	2.60	16.49	-5.42	-8.43	9.10	3.34	5.20	8.10
17	0.50	4.14	3.60	4.60	-6.99	-6.24	4.07	2.64	6.92	5.51
18	1.50	3.05	4.00	-5.58	-5.59	-4.15	-0.91	2.14	18.78	2.03
19	1.80	1.05	3.50	-9.62	-3.69	-1.26	-5.61	3.24	16.06	-1.87
20	4.11	-0.45	2.79	-12.88	1.00	-0.95	-6.64	3.64	13.67	-12.14
21	4.99	-5.44	-0.40	-16.20	5.93	-0.95	-10.46	3.54	10.77	-14.48
22	3.20	-1.95	0.40	-15.27	10.31	-3.36	-17.28	2.44	5.88	-12.77
23	1.80	-2.45	-0.90	-13.62	6.58	-5.45	-23.18	2.54	4.39	-10.24
24	-1.29	-2.54	-0.60	-12.92	4.06	-5.16	-26.76	1.94	2.39	-5.03
25	-4.58	-2.64	-0.10	-12.17	-8.23	-7.04	-31.60	0.75	0.50	-0.76
26	-2.68	-2.63	-0.09	-9.76	-10.59	-5.74	-36.28	3.36	-2.41	-0.06
27	3.11	4.95	-0.79	-10.54	-10.22	-4.04	-35.34	7.81	-5.51	-0.05
28	4.01	3.76	-1.79	-10.49	-7.09	-2.24	-29.30	12.80	-7.29	-1.15
29	3.94	2.96	-3.19	-8.03	-6.13	3.38	-21.97	14.02	-6.06	-2.25
30	1.81	2.76	3.49	-6.83	1.21	15.00	-14.98	11.11	-1.49	-0.85
31	1.31	2.76	-4.90	-5.13	6.66	21.77	-1.39	9.61	9.62	0.95
32	0.51	2.86	-6.09	4.04	12.14	20.90	8.74	7.22	10.31	3.45
33	-0.38	2.86	-6.34	-8.94	10.04	19.00	21.21	3.94	6.38	4.76
34	-1.28	2.86	-12.73	-5.44	7.12	14.12	12.81	-0.64	4.10	7.48
35	-0.88	2.06	-10.93	-5.24	7.61	0.46	10.00	-5.05	1.70	9.69
36	-2.38	0.77	-5.09	-5.32	7.44	-13.03	9.40	-6.34	-0.49	11.72
37	-3.08	0.57	-6.32	-2.63	9.39	-27.94	8.73	-6.13	-2.60	14.04
38	-4.28	0.57	-10.66	-1.83	7.94	-27.53	10.04	-5.12	-5.60	15.88
39	-4.27	0.57	-13.98	0.27	9.77	-24.65	11.44	-2.34	-6.72	14.49
40	-2.48	0.57	-23.00	4.91	7.57	-18.89	12.46	-1.64	0.91	12.78
41	-1.08	0.27	-23.08	13.89	4.21	-12.13	15.63	-1.74	8.52	7.94
42	-0.58	-0.33	-23.99	21.92	3.11	-5.63	11.66	3.84	15.16	6.25
43	5.72	-0.43	-18.06	27.85	1.02	8.55	9.87	-5.67	14.09	4.70
44	4.62	-0.03	-13.96	28.76	-3.19	13.95	7.50	-10.79	11.33	-8.38
45	3.92	0.58	-15.83	26.05	-8.29	18.34	6.03	-12.82	8.27	-11.15
46	2.93	0.88	-15.07	23.72	-9.25	21.04	-4.50	-9.79	4.99	-11.72
47	1.13	5.88	-14.74	20.01	-7.56	13.78	-8.66	9.56	0.32	-11.16
48	2.63	5.76	-9.84	15.29	-5.76	4.73	-7.71	-2.02	-0.48	-12.55
49	4.13	3.07	-3.57	-7.29	-3.57	-2.96	-10.28	7.41	0.62	-15.77
50	3.24	-0.22	-1.64	-7.29	0.03	-18.63	-10.40	11.21	1.72	-14.63

RECORD=S=612
DATE AND TIME=1971-06-13-13-06
COMPONENT=N=S
SIGNAL=GR,ACC,
CORRECTION=ZERO,ARC
FORMAT NO.=301
STATION=KASHIMA=S
TOTAL NUMBER OF DATA= 3000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-13.82	5.62	11.09	14.59	7.36	0.21	-0.74	7.51	2.76	-10.76
2	1.86	6.74	4.53	15.99	7.26	1.21	1.26	7.99	4.47	-5.45
3	9.33	9.19	-3.45	13.82	7.36	2.61	4.26	6.80	8.09	1.91
4	7.07	7.42	-8.37	15.53	7.36	2.31	3.66	5.40	10.62	7.93
5	7.16	7.31	-10.69	8.57	6.66	2.11	3.66	3.51	12.89	9.73
6	5.66	5.90	-9.17	5.60	5.96	2.12	1.46	1.31	10.91	10.58
7	3.57	2.42	-5.88	3.02	5.47	2.32	-2.54	2.21	8.82	9.49
8	3.48	-0.68	0.17	2.82	5.37	3.62	-4.73	3.02	6.54	8.41
9	4.19	4.39	4.39	2.82	5.27	5.82	-4.73	4.41	3.76	8.29
10	7.62	-8.14	5.26	2.82	5.27	5.82	-4.72	3.91	1.46	7.01
11	10.88	-5.96	3.46	2.82	5.18	5.82	-2.73	3.41	-1.94	6.91
12	10.95	-4.76	-3.23	2.82	-9.91	7.42	-2.73	0.22	-4.36	6.21
13	9.93	-2.97	-6.30	1.42	-3.85	7.42	0.67	1.28	-9.61	5.61
14	7.64	-3.12	-1.17	-18.59	7.42	7.42	2.87	8.20	-8.62	4.30
15	4.67	0.23	-0.92	-5.37	-12.69	7.42	2.77	9.30	-7.62	-0.18
16	1.68	1.23	0.22	-5.57	-12.69	7.42	3.77	10.29	-6.92	-3.39
17	-2.32	1.93	0.48	-4.86	-8.74	7.43	3.77	10.84	-6.02	-5.18
18	-7.72	2.73	1.08	-3.27	-3.81	7.43	3.78	9.31	-5.52	-5.38
19	-8.24	2.83	1.78	-1.37	0.68	7.43	3.78	-10.80	-3.62	-5.98
20	-10.28	2.34	2.08	1.03	7.61	7.43	5.78	7.81	-2.92	-5.57
21	-8.97	1.94	2.59	5.76	10.09	7.41	5.90	2.97	-0.82	-4.97
22	-6.27	1.74	3.19	9.09	10.51	5.71	9.35	1.67	-4.68	-4.68
23	-1.01	2.04	5.19	6.42	7.56	3.02	7.63	0.93	1.48	-4.57
24	1.19	2.84	6.40	4.82	5.96	0.67	3.88	3.84	2.48	-3.47
25	3.50	3.45	7.59	1.14	3.38	-4.57	3.55	6.46	2.08	-2.57
26	7.57	6.05	7.80	-1.66	0.151	-5.97	-7.13	9.56	2.78	-2.37
27	5.49	7.66	15.62	-1.46	-1.11	-7.06	-8.02	10.81	3.18	0.67
28	4.99	0.02	5.49	-1.16	0.21	-7.06	-8.10	9.92	4.08	1.73
29	3.79	7.74	5.68	0.86	0.59	-7.04	-6.71	9.21	4.59	4.33
30	2.39	7.13	3.39	-0.16	0.59	-4.55	-6.23	7.92	5.28	4.31
31	0.10	5.73	0.01	0.54	0.49	-1.26	-6.23	7.10	5.29	0.43
32	-0.40	3.64	-5.64	1.74	0.59	3.65	8.26	3.73	5.89	-0.67
33	0.40	1.05	-11.04	1.74	3.09	8.72	0.41	1.44	6.19	-2.06
34	1.90	-0.25	-12.30	1.75	3.10	13.30	0.51	1.34	6.19	-0.96
35	4.21	-0.35	-12.37	1.75	3.80	7.24	0.51	2.64	5.99	0.84
36	5.21	-0.95	-11.67	0.75	5.10	7.21	0.51	1.64	5.98	-1.16
37	6.61	-1.95	-10.27	-1.55	4.98	4.23	0.51	2.84	4.85	2.54
38	7.71	-2.55	-8.85	-1.55	1.00	1.25	5.02	2.04	3.21	5.25
39	8.49	-2.55	-6.18	-1.65	-0.20	0.45	7.00	2.54	3.41	7.26
40	7.35	-2.55	-4.30	-5.04	-1.60	-0.25	-7.00	2.05	-3.81	9.05
41	2.80	-2.54	-4.50	-4.24	-3.40	-2.45	-7.00	2.45	-4.51	9.32
42	-1.70	-2.54	-4.89	-2.75	-4.00	-1.95	-7.04	1.75	-5.52	9.32
43	-20.87	-2.54	-4.89	-1.85	-3.89	-3.64	-10.70	2.75	7.91	7.83
44	-19.52	-1.34	-4.90	-1.44	-3.10	-2.05	-10.68	1.75	8.61	6.63
45	-17.39	-0.34	-6.97	-1.04	-2.99	-1.75	-9.70	2.75	9.12	5.03
46	-14.31	1.17	-4.96	-0.04	-2.59	-1.75	-9.88	1.85	-10.02	1.95
47	-10.36	16.66	0.21	0.86	-2.49	-1.64	-8.86	2.55	-10.77	-0.65
48	-4.95	18.29	2.82	2.36	-1.99	-1.64	-6.47	1.75	-13.44	-3.05
49	2.32	18.48	5.65	5.77	-1.99	-1.75	-3.76	2.45	-14.58	-3.05
50	6.71	15.90	11.20	7.76	-0.89	-7.07	5.92	1.86	-14.06	-4.15

RECORD=S=612 COMPONENT=N=S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC TOTAL NUMBER OF DATA= 3000
DATE AND TIME=1971-06-13-13-06 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301

STATION=KASHIMA=S

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	-5.76	-2.50	3.45	0.20	0.45	2.19	5.25	-2.74	8.43	-2.71
2	-7.63	-1.30	2.45	0.60	0.85	2.20	5.64	-1.91	7.63	-0.71
3	-6.53	-1.50	3.65	1.20	0.75	2.20	5.34	-2.91	6.84	-0.61
4	-4.93	-0.30	3.85	1.60	0.35	2.20	4.84	-2.20	6.54	-1.91
5	-2.04	1.00	3.55	1.00	1.25	2.10	3.65	-0.70	5.94	-2.21
6	-1.04	1.01	3.15	1.90	1.25	2.20	3.64	0.90	4.84	-3.21
7	1.86	2.81	2.75	1.00	1.95	2.20	2.05	1.20	3.34	-4.51
8	3.56	4.32	1.56	0.60	3.06	0.40	-1.55	2.10	1.25	-5.71
9	4.16	6.60	-0.24	0.61	5.06	-3.10	3.25	2.80	0.15	-6.20
10	4.26	8.19	-0.54	0.61	6.78	-5.30	-3.25	1.50	-1.45	-6.20
11	4.26	8.19	-0.14	0.31	9.32	-5.80	-2.65	0.70	-2.15	-5.60
12	2.96	7.09	0.11	-0.19	7.35	-6.09	-2.65	-1.90	-2.75	-4.70
13	2.86	5.40	3.16	1.16	7.35	-5.39	-3.84	-1.70	-3.15	-3.40
14	2.06	2.91	3.66	0.09	5.45	-5.39	-1.94	-1.00	-3.35	-1.80
15	1.57	1.21	3.36	-0.09	4.75	-5.39	0.06	-2.20	-1.55	-0.50
16	-0.25	-0.88	4.06	-0.19	3.65	-5.58	2.86	-1.25	-1.25	1.00
17	-2.13	-1.98	2.77	-0.19	1.56	-3.28	3.65	-2.29	-0.74	1.30
18	-2.13	-1.98	2.87	0.19	-0.64	-0.69	2.26	-0.69	-0.94	2.91
19	-2.23	-2.78	2.87	0.32	-2.94	-1.39	3.06	0.91	-1.54	4.31
20	-0.53	-2.88	3.97	-0.08	-5.34	0.21	2.06	1.11	-1.64	5.62
21	2.88	-1.58	3.98	-0.38	-5.93	0.21	2.06	1.11	-1.64	5.62
22	5.18	-0.28	7.78	0.02	-5.34	2.41	0.56	3.11	-1.74	7.12
23	6.78	0.08	8.58	0.62	-6.93	2.41	0.56	3.11	-1.74	7.12
24	7.67	1.22	8.96	0.08	-6.72	2.12	-0.44	4.32	-3.64	8.21
25	7.67	2.33	8.26	0.42	-5.74	1.72	-1.73	5.32	-4.44	8.23
26	7.13	3.83	7.65	1.22	-6.62	1.72	-1.73	6.01	-4.44	9.34
27	5.17	4.74	6.17	3.23	-6.01	1.72	-1.43	5.01	-4.33	10.69
28	2.97	6.64	5.08	6.63	-3.82	2.52	-1.43	3.61	-2.33	8.10
29	-0.92	8.25	5.08	6.81	-0.13	3.42	-1.43	0.02	-1.63	7.30
30	-3.83	9.67	5.08	5.82	1.77	4.02	-1.43	-1.58	-0.73	6.00
31	-7.03	11.77	5.07	4.72	2.86	3.53	-2.13	-2.38	0.37	4.11
32	-7.89	9.56	4.08	3.42	2.98	4.02	0.07	-3.88	2.57	2.32
33	-6.10	6.21	2.97	1.73	3.18	3.72	0.07	-4.98	4.58	0.12
34	-3.71	4.12	2.02	1.03	3.68	3.12	1.38	-4.98	6.39	-2.08
35	-0.71	1.33	-1.22	0.13	4.17	1.73	1.88	-4.98	8.50	-3.08
36	3.00	1.47	-2.62	-0.67	3.09	0.03	3.18	-4.95	10.35	-4.68
37	9.29	-3.57	2.62	0.37	7.12	-2.07	5.19	-0.17	9.34	-4.78
38	9.14	-6.08	-2.62	-0.97	10.46	-2.27	6.98	0.03	7.55	-4.88
39	6.65	-8.61	-2.92	-4.77	9.67	-2.27	7.09	0.63	5.57	-4.77
40	2.39	-11.96	-4.42	-4.87	9.11	-4.37	8.10	0.33	3.87	-3.87
41	2.38	-15.25	-5.21	-5.37	10.74	-4.37	9.43	0.33	1.38	-2.87
42	-3.71	-16.93	-5.61	-6.88	8.94	-4.36	6.86	0.33	-0.62	-2.37
43	-5.11	-16.47	-5.51	-8.45	6.17	-3.26	4.97	0.33	-4.12	-1.07
44	-5.10	-14.97	-4.80	-7.65	4.59	-1.66	2.78	1.83	-5.52	0.53
45	-5.10	-13.20	-3.60	-6.64	4.58	-0.86	0.09	2.84	-6.12	2.73
46	-5.10	-11.66	-2.01	-5.05	2.79	1.74	-3.22	3.74	-6.12	5.04
47	-5.10	-11.73	-1.21	-3.35	3.39	3.14	-3.91	5.15	-6.11	6.13
48	-5.10	-4.45	0.09	-1.06	3.39	5.04	-3.91	6.94	-5.01	5.03
49	-5.10	-4.33	0.20	2.04	1.99	5.34	-4.21	7.45	-4.91	4.91
50	-3.70	0.85	0.20	1.64	1.99	5.94	-4.01	8.44	-4.21	4.83

RECORDS=612
 DATE AND TIME=1971-06-13-13-06
 COMPONENT=N-S
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ZERO_ARC
 FORMAT NO.=301
 STATION=KASHIMA-S
 TOTAL NUMBER OF DATA= 3000

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	4.04	9.34	0.37	0.68	-2.27	4.98	7.51	1.58	-1.18	-0.03
2	3.83	-10.80	-0.97	1.48	-2.57	4.98	6.51	1.58	-0.88	-0.03
3	2.04	-10.27	1.66	1.58	-2.07	5.68	4.43	0.28	-0.77	0.17
4	1.44	-8.29	-1.16	1.08	-2.17	5.28	4.43	0.42	-0.87	0.57
5	0.74	-6.59	-1.16	0.59	-2.47	5.28	4.43	0.02	-0.07	0.58
6	0.84	-4.80	-0.76	-0.41	-3.87	5.28	3.63	1.42	0.63	0.58
7	0.84	-2.61	0.34	-3.41	-3.87	5.08	2.23	1.42	1.23	0.68
8	0.84	-0.41	2.04	-3.11	-4.36	4.69	0.53	1.42	1.23	0.58
9	0.84	2.70	2.54	-3.11	-4.16	4.99	0.17	1.42	1.23	0.68
10	0.15	4.50	4.14	-1.81	-3.86	4.98	-2.87	0.08	1.93	-1.72
11	6.48	4.34	4.34	-1.01	-3.46	3.89	3.47	0.18	2.33	-2.22
12	-0.45	5.29	4.14	-1.01	-2.16	2.99	-4.27	0.11	3.33	-2.22
13	-1.45	3.99	4.04	-0.71	-1.26	3.19	-5.16	0.51	3.33	-2.82
14	-2.85	2.59	3.25	-0.51	0.74	2.49	-5.06	0.21	3.34	-3.02
15	-3.45	0.80	3.04	-0.20	4.45	2.49	-4.86	1.41	3.34	-2.81
16	-2.00	-1.45	1.45	0.40	6.74	1.89	-4.56	1.51	3.44	-2.41
17	-3.25	-1.40	0.65	-0.60	6.45	1.09	-4.66	1.81	3.34	-2.41
18	-3.65	-0.40	-1.05	-0.80	6.85	1.59	-4.45	2.81	2.94	-2.41
19	-3.25	0.60	-0.95	-1.00	7.15	1.10	-3.85	2.81	2.34	-2.81
20	-3.54	2.11	-1.75	-1.40	6.94	1.10	-3.25	2.41	0.84	-3.61
21	-3.05	4.50	-2.25	-0.70	6.24	1.60	-2.35	0.71	-0.46	-3.71
22	-3.64	4.30	-2.55	-1.60	5.04	1.70	-1.45	-0.20	-0.66	-3.71
23	-2.94	4.21	-2.95	-2.20	3.45	1.60	-0.55	1.30	-0.16	-3.71
24	-2.44	4.20	-4.24	-2.60	1.85	1.80	0.55	3.00	0.25	-3.71
25	-2.24	3.60	-4.24	-1.90	0.05	3.20	1.65	3.30	0.95	-3.70
26	-1.74	1.61	-3.54	-2.49	-3.44	3.60	1.55	3.40	1.75	-3.70
27	-0.84	-1.59	-4.24	-2.49	-2.44	3.10	1.55	3.20	2.65	-3.69
28	0.86	-5.81	-2.94	-2.89	-2.05	2.20	1.55	2.60	2.65	-0.70
29	2.16	-8.94	-2.14	-1.69	-3.65	-0.69	0.85	2.40	2.75	-0.10
30	3.17	-11.79	0.44	-0.89	-4.84	-2.89	-0.35	2.20	2.65	0.00
31	4.47	-11.74	0.76	-2.09	-3.54	-3.50	-0.14	0.80	2.68	0.10
32	5.46	-10.16	2.67	-0.39	-4.14	-6.20	-0.14	1.29	2.75	0.70
33	5.07	-9.13	4.47	0.51	-3.94	-7.10	-1.34	1.29	2.76	1.50
34	5.47	-5.95	5.37	0.71	-3.94	-8.00	-0.94	1.29	3.86	4.80
35	5.46	-1.48	6.27	0.61	-3.94	-8.37	-0.34	1.29	3.26	4.71
36	4.77	2.82	6.37	1.72	-3.94	-7.07	0.16	1.39	3.36	4.81
37	3.77	5.94	6.67	3.72	-3.94	-5.78	0.56	1.39	3.26	4.71
38	3.47	9.12	7.16	4.12	-3.93	-4.58	1.06	2.29	2.56	4.61
39	3.57	9.12	6.06	4.02	-4.03	-2.98	2.16	2.09	2.16	4.71
40	3.07	9.12	4.87	3.32	-3.93	-0.78	2.06	2.69	1.96	4.81
41	1.98	8.81	5.16	2.82	-3.93	0.42	2.07	3.09	1.66	4.72
42	2.37	7.80	3.47	2.22	-3.93	2.02	1.57	3.09	0.66	6.91
43	1.28	5.62	2.17	3.32	-3.93	4.22	0.57	3.08	-0.04	6.81
44	-0.02	5.01	1.37	3.11	-3.92	4.78	0.67	3.08	-0.13	6.91
45	-1.32	2.72	0.18	2.58	-1.03	5.83	0.27	3.68	-0.73	6.91
46	-2.22	1.03	0.18	2.47	-0.63	7.63	-0.33	3.68	-0.73	6.91
47	-2.42	-0.37	0.38	2.57	0.67	7.92	0.17	2.68	-0.73	6.91
48	-3.32	-0.37	-0.42	-2.47	2.78	7.54	0.97	2.48	-0.73	6.81
49	-5.03	-0.87	-0.22	-2.77	5.77	8.62	1.57	2.48	-0.03	5.81
50	-7.14	-0.37	0.28	-2.87	4.58	8.51	1.57	1.68	-0.03	5.32

NO.	STATION=KASHIMA-S									
	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	4.79	-0.53	5.28	-3.13	-5.79	-2.24	1.11	1.16	-4.99	2.35
2	-1.08	-1.13	5.28	-3.13	-5.79	-2.24	1.01	1.36	-4.98	0.16
3	-1.38	-1.33	5.28	-3.03	-5.78	-2.54	0.31	2.36	-3.29	-2.14
4	-1.58	-1.33	5.28	-3.13	-5.78	-2.73	-0.29	2.06	-2.79	-2.74
5	-1.98	-1.43	5.28	-3.03	-5.78	-2.73	-0.89	2.06	-2.79	-3.84
6	-2.17	-0.93	5.28	-3.03	-4.87	-2.43	-1.08	2.16	-2.79	-3.94
7	-1.77	-0.33	5.27	-3.03	-3.08	-2.43	-0.88	2.06	-2.39	-3.94
8	-1.77	-0.02	4.67	-2.23	-1.78	-2.73	-0.88	1.87	-2.19	-4.14
9	-2.27	-0.02	3.47	-2.23	-1.78	-3.33	-1.08	1.37	-2.18	-4.14
10	-2.67	0.28	2.17	-2.32	3.43	-0.13	-1.48	1.07	-2.28	-3.94
11	-2.87	3.08	2.07	-1.22	4.42	0.57	-1.08	1.07	-1.58	-3.93
12	-2.97	3.48	1.03	-1.72	3.32	0.27	-1.08	1.07	-0.98	-3.93
13	-2.97	3.58	1.13	-1.72	3.33	1.27	-1.08	1.07	-0.08	-3.93
14	-2.97	3.98	2.43	-1.32	3.33	2.47	-1.48	-0.93	-0.08	-4.13
15	-2.87	3.28	3.73	-1.92	3.32	1.78	-1.48	-0.93	-0.68	-3.13
16	-3.37	1.98	3.83	-2.12	2.23	1.58	-1.47	2.33	-0.72	-3.13
17	-4.46	-0.22	3.73	-2.02	0.13	1.88	-0.77	3.93	0.72	-3.13
18	-4.57	-4.61	3.83	-1.72	-0.67	1.88	-0.67	4.32	1.02	-3.13
19	-4.96	-4.01	3.73	-1.42	-0.87	1.48	-0.67	4.32	1.02	-3.12
20	-5.26	-4.31	3.74	-0.62	-0.97	0.68	-0.67	4.32	0.83	-1.73
21	-5.76	-4.11	3.84	-0.72	-0.87	-0.42	-0.67	3.82	0.83	-1.82
22	-5.36	-4.41	3.74	0.19	-0.97	-0.72	-1.27	3.22	0.73	-1.72
23	-5.36	-4.11	3.84	1.69	-0.96	-1.42	-1.47	2.42	0.53	-1.72
24	-5.26	-3.81	3.14	1.89	-0.86	-1.52	-1.57	2.02	0.63	-0.32
25	-5.26	-3.31	2.29	3.86	-1.31	-1.31	-1.47	1.22	0.53	-0.52
26	-5.26	-2.51	3.24	3.56	-1.51	-1.51	-1.47	0.82	0.53	-0.52
27	-5.25	-2.41	3.24	4.69	-2.56	-1.91	-1.46	1.02	0.53	0.28
28	-4.05	-2.40	3.24	5.10	-2.06	-3.91	-0.96	0.41	0.53	1.18
29	-3.75	2.80	3.24	6.49	-1.86	-3.91	-0.96	0.21	0.53	2.08
30	-2.55	2.70	3.25	5.69	-1.86	-3.61	0.64	0.49	-0.06	1.98
31	-2.15	2.70	3.25	5.69	-1.86	-4.01	0.74	1.09	-1.36	1.98
32	-1.15	2.70	3.65	5.09	-0.86	-3.71	0.74	2.79	-2.36	0.79
33	1.05	2.70	3.65	3.99	-0.86	-3.61	0.74	2.39	-2.76	0.49
34	2.15	2.70	3.65	0.80	-0.85	-3.51	0.74	2.99	-2.76	0.09
35	3.16	1.90	3.65	0.40	-0.85	-3.30	0.64	2.89	-2.76	0.51
36	4.25	1.80	3.54	-1.40	-0.75	-3.30	0.64	3.29	-2.76	-0.81
37	3.55	1.40	3.54	-1.40	-0.75	-3.00	0.54	3.29	-2.76	-0.81
38	2.56	1.40	3.54	-1.60	-0.75	-3.00	0.45	3.59	-2.76	-1.31
39	2.86	-0.39	2.15	-1.60	-0.15	-2.80	0.35	3.99	-2.36	-2.71
40	2.86	-0.49	3.05	-1.80	0.65	-2.60	-1.15	3.19	-0.86	-2.11
41	1.76	-2.49	3.04	-2.40	0.25	-1.80	-1.35	2.39	-0.09	-1.71
42	1.76	-2.49	3.04	-2.40	0.25	-1.00	-1.65	0.70	-0.15	-1.71
43	0.86	-2.79	3.14	-2.39	0.85	-0.10	-2.05	0.90	-0.15	-1.70
44	0.06	-3.09	3.14	-2.39	1.25	0.90	-2.05	2.00	-0.15	-0.90
45	0.76	-3.59	3.04	-2.29	1.36	1.90	-2.05	3.80	-0.15	-0.20
46	0.76	-3.69	3.14	-2.29	-0.84	1.60	-2.05	3.20	-0.15	-0.20
47	0.76	-4.09	3.14	-2.29	-0.84	1.71	-1.45	5.20	-0.15	-0.20
48	-0.33	-4.09	3.14	-2.14	-1.14	2.01	-1.04	5.10	-0.15	-0.20
49	-0.53	-4.89	3.14	-3.59	-2.14	2.81	-0.64	5.00	1.05	-0.20
50	-0.53	-5.28	3.14	-5.79	-2.34	1.71	0.16	4.99	1.85	-2.00
						1.11	1.16	4.99	2.85	-2.00

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.00	0.17	0.77	0.40	0.53	0.76	1.59	1.63	2.26	2.89
2	0.00	0.33	0.17	0.10	0.43	1.16	1.59	0.23	3.16	1.79
3	0.00	1.03	0.23	0.00	0.43	1.16	1.20	1.03	3.86	0.39
4	-0.30	1.43	0.77	0.10	0.43	1.16	2.10	0.83	3.16	0.39
5	-0.30	1.53	1.57	0.50	0.43	1.16	3.40	1.53	2.36	0.29
6	-0.30	0.44	1.57	0.43	0.43	0.37	3.40	3.57	2.46	0.39
7	-0.30	0.54	1.27	1.40	0.83	0.27	2.90	3.57	3.06	0.39
8	-1.59	0.04	1.27	1.80	1.53	-0.43	2.40	2.77	3.16	0.90
9	-0.01	-0.26	1.47	2.50	2.93	0.07	2.30	1.97	2.46	0.80
10	0.61	1.84	1.07	1.30	2.83	1.57	2.40	1.27	1.66	1.00
11	0.51	1.24	0.77	0.50	1.54	2.27	1.30	0.27	1.97	1.00
12	-0.19	1.34	0.47	0.00	0.44	2.27	2.60	0.23	2.37	0.30
13	-0.19	1.54	0.37	0.31	0.46	2.27	2.60	1.74	2.97	0.50
14	0.41	1.24	0.17	0.51	0.41	2.67	2.60	3.74	2.87	1.20
15	0.01	1.04	0.03	0.41	0.74	2.87	2.20	4.72	2.67	1.60
16	0.31	0.74	0.63	1.11	1.74	3.07	1.40	1.54	2.47	1.60
17	0.21	0.54	0.92	1.81	1.34	2.97	0.90	1.44	2.57	0.60
18	0.21	0.14	0.92	2.61	1.44	2.57	0.71	0.24	1.97	1.00
19	0.51	0.04	1.32	1.71	1.84	2.57	1.21	0.56	1.97	1.30
20	0.91	0.15	1.32	1.71	1.84	2.57	1.91	0.56	1.97	1.60
21	0.91	0.65	1.58	1.11	1.74	1.87	2.01	0.04	1.97	1.70
22	0.31	1.05	2.28	0.51	1.24	1.58	1.31	0.06	2.57	1.40
23	0.61	1.05	0.78	0.61	1.24	1.08	1.01	1.34	3.07	1.30
24	0.72	1.15	1.48	2.01	0.74	1.48	1.81	0.84	2.37	0.61
25	1.62	1.65	2.38	0.69	0.85	1.68	0.51	0.54	2.37	2.01
26	0.32	1.15	1.58	0.49	1.25	2.18	0.21	0.26	2.37	2.81
27	0.72	0.75	1.58	0.31	1.15	2.28	0.51	0.84	2.37	2.81
28	0.72	0.45	1.68	1.11	1.25	2.68	0.51	1.74	1.88	1.81
29	0.02	0.05	1.08	1.22	1.75	2.68	0.51	1.34	2.88	1.61
30	0.02	0.75	1.08	1.12	1.65	2.68	0.51	0.45	1.98	1.61
31	1.02	0.75	1.68	1.12	1.15	2.68	0.61	0.35	2.28	1.71
32	0.62	1.35	2.09	1.72	1.55	-0.22	0.51	0.15	2.28	1.71
33	1.12	1.65	2.18	1.82	1.65	-0.22	0.21	2.85	1.88	1.71
34	1.62	1.09	1.09	1.22	1.75	-0.22	0.22	2.45	1.78	1.71
35	0.62	0.45	1.09	0.92	2.25	0.18	0.32	1.65	1.78	1.21
36	0.42	0.16	1.89	0.92	2.35	0.18	0.22	0.15	1.78	0.81
37	0.22	0.26	1.19	0.42	1.75	0.19	0.22	1.85	1.68	0.31
38	0.02	-0.04	1.29	0.02	2.15	0.19	0.22	1.35	1.68	0.71
39	-0.47	0.46	0.39	-0.58	1.05	0.42	0.82	2.25	1.68	1.32
40	-0.67	1.06	1.69	0.22	1.05	0.49	1.22	1.85	1.98	1.32
41	-0.17	1.36	1.09	0.92	0.86	0.79	0.82	1.95	1.98	1.62
42	0.03	1.76	1.49	2.22	0.94	0.99	0.72	1.65	1.89	2.32
43	0.53	2.46	1.89	1.32	1.06	1.49	1.62	1.35	1.89	2.82
44	0.43	2.76	0.89	0.43	0.96	1.59	1.62	1.89	1.29	3.42
45	0.13	3.26	0.69	0.47	1.06	1.69	0.82	2.16	0.29	3.72
46	-0.37	3.16	0.29	-0.47	1.06	2.19	2.02	3.36	2.49	3.02
47	-0.37	1.56	0.89	0.13	0.94	2.49	1.52	3.36	3.19	2.72
48	0.23	1.56	1.20	1.13	0.94	2.59	1.12	3.45	4.89	3.72
49	0.43	1.06	1.50	0.43	0.96	2.59	1.12	2.36	4.98	2.82
50	0.33	1.26	0.80	0.53	1.46	1.59	1.13	2.36	4.09	2.62

RECORD=S=612
DATE AND TIME=1971-06-13-13-06

STATION=KASHIMA=S
TOTAL NUMBER OF DATA= 3000

CORRECTION=ZERO,ARC
FORMAT NO.=301

SIGNAL=GR,ACC,
SAMPLING INTERVAL= 0.010(SEC)

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	2.42	3.76	3.19	22.72	9.99	-10.57	6.28	47.08	7.53	3.52
2	2.82	3.76	2.79	23.52	16.21	-13.06	-5.54	37.29	11.81	4.31
3	3.03	4.46	2.29	23.52	13.74	-16.77	1.42	25.09	12.53	3.61
4	3.82	4.46	2.79	23.23	10.90	-14.35	13.73	5.70	10.84	2.91
5	3.62	4.96	2.99	20.66	8.80	-10.81	16.47	1.76	5.28	2.12
6	3.32	4.95	2.59	16.84	5.63	-6.86	16.75	12.96	4.77	1.82
7	2.43	3.16	1.79	13.88	1.66	-1.71	7.90	-22.03	1.18	1.42
8	1.73	1.96	1.39	10.52	0.16	2.70	6.09	-28.15	3.33	0.12
9	1.33	2.06	1.39	6.27	-0.94	10.21	2.11	-29.63	8.51	0.82
10	1.33	0.26	1.69	0.23	0.94	19.88	-5.94	-29.02	8.44	3.32
11	0.83	0.36	1.79	-11.76	-1.34	22.90	-1.48	-25.97	3.51	3.72
12	2.03	1.36	2.10	-14.67	-1.34	18.41	1.83	-21.22	-1.01	3.73
13	2.73	2.06	2.50	-16.89	-0.64	18.26	4.23	-14.08	2.69	5.22
14	3.63	2.46	4.50	-21.84	0.26	16.38	5.63	5.98	5.00	5.43
15	3.53	2.06	4.70	-37.00	1.36	14.35	6.13	2.06	6.80	6.76
16	2.83	1.76	4.78	-40.64	2.56	11.23	6.74	8.86	8.03	10.19
17	2.13	1.27	1.70	-40.40	1.27	9.12	8.58	8.94	10.85	13.27
18	1.94	1.67	1.70	-36.03	5.57	10.40	12.04	2.06	13.32	14.47
19	2.94	2.17	1.70	-30.91	6.87	10.77	15.94	2.34	14.08	13.24
20	4.94	2.37	1.70	-27.25	7.16	9.67	21.86	4.62	13.76	10.88
21	5.14	2.57	1.70	-24.88	7.16	8.48	26.68	1.44	10.47	9.09
22	5.24	2.17	2.50	-19.91	6.56	7.06	27.53	4.28	5.37	6.81
23	5.34	1.77	2.80	-16.48	4.87	3.89	26.84	8.77	2.09	5.51
24	4.84	1.37	3.30	3.06	4.66	0.50	22.73	15.55	-1.91	2.33
25	4.24	0.77	3.50	16.52	2.86	-0.90	13.80	20.86	4.79	0.53
26	3.64	0.37	2.90	24.95	0.87	-1.90	19.65	2.20	-2.20	0.07
27	3.04	1.67	2.81	18.77	0.87	-1.90	4.97	19.25	0.10	0.43
28	2.44	1.77	2.91	15.30	2.57	-3.00	-6.80	16.45	4.82	1.73
29	1.24	1.98	2.91	10.68	5.19	-4.42	20.24	11.15	8.56	2.93
30	1.44	3.98	2.91	4.52	7.82	-9.11	29.69	3.15	12.53	3.33
31	2.84	4.17	3.61	0.04	11.43	-15.54	31.90	7.05	10.15	3.33
32	2.84	3.88	3.11	6.39	13.13	-20.07	29.88	18.16	7.88	3.84
33	3.04	3.58	3.61	11.91	10.60	-19.64	21.82	-22.15	6.25	4.73
34	2.85	2.98	3.91	17.87	7.72	-15.78	-18.89	18.89	0.10	4.72
35	2.85	3.38	3.91	29.25	3.56	-17.60	-8.82	-18.23	0.60	2.13
36	2.85	3.18	3.82	36.63	3.82	-13.24	0.46	-15.16	3.31	0.44
37	2.65	2.48	6.52	35.08	3.82	-6.72	8.02	6.15	4.11	-3.06
38	2.75	2.68	6.92	30.17	4.70	1.11	-12.25	3.20	6.49	-3.06
39	2.75	2.28	7.41	23.58	8.61	9.30	-15.22	16.78	4.40	-2.76
40	2.55	2.28	7.11	36.09	10.71	8.80	-20.09	27.14	4.10	-1.86
41	2.55	2.28	6.51	8.32	7.99	7.99	-18.12	16.78	1.81	-1.56
42	2.85	2.78	6.24	0.15	8.16	6.50	-15.84	24.14	1.81	0.34
43	2.85	3.68	8.83	7.87	7.16	5.42	8.43	23.73	1.81	0.94
44	2.85	3.68	9.95	17.85	5.07	6.63	0.46	22.46	-0.10	0.06
45	2.85	3.68	11.90	20.84	3.28	8.09	6.53	19.95	1.89	-0.06
46	2.85	4.18	17.85	13.73	3.28	6.69	16.50	11.99	4.28	-0.86
47	3.05	3.89	19.78	8.46	1.28	4.61	26.81	2.97	1.16	1.16
48	3.05	3.89	21.48	-8.46	3.28	2.91	37.77	1.42	-2.29	1.16
49	3.35	3.79	21.26	2.64	4.03	1.41	50.85	1.38	0.61	-9.36
50	3.66	3.79	21.26	3.57	7.45	-6.28	54.09	3.49	2.31	-4.34

RECORD=S=612
DATE AND TIME=1971-06-13-13-06
COMPONENT=E-W
SIGNAL=GR,ACC.
CORRECTION=ZERO,ARC
TOTAL NUMBER OF DATA= 3000
STATION=KASHIMAWS
FORMAT NO.=301
CORRECTION=ZERO,ARC
FORMAT NO.=301
SAMPLING INTERVAL= 0.010(SEC)

RECORD=5612 COMPONENT=E-W SIGNAL=GR,ACC CORRECTION=ZERO,ARC STATION=KASHIMA-S
 DATE AND TIME=1971-06-13-06 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=3D1 TOTAL NUMBER OF DATA= 3000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	1.15	0.98	0.91	-4.96	5.28	1.41	3.74	3.97	2.90	4.53
2	2.05	-0.32	0.01	5.94	6.07	1.41	3.94	4.07	-0.60	3.53
3	2.15	3.18	-0.89	-3.76	5.57	0.51	3.54	4.07	-1.90	1.54
4	2.66	3.39	-0.39	-3.75	4.97	1.51	3.64	3.67	-3.71	-0.86
5	11.34	6.58	0.41	-1.65	4.07	1.81	3.24	3.57	-7.47	-1.16
6	11.13	6.19	1.01	2.05	3.17	2.21	2.44	3.58	-5.90	-0.56
7	10.32	7.39	0.91	5.27	1.18	2.51	1.34	5.07	-7.11	-1.46
8	9.13	7.88	5.03	8.58	-5.83	1.81	0.24	4.98	-8.25	-2.76
9	8.27	7.89	7.02	10.87	-7.20	0.81	-0.56	5.68	-5.28	-3.16
10	9.25	8.10	7.32	11.49	-5.40	-0.19	2.05	5.58	-3.59	-3.35
11	9.37	8.10	7.62	9.62	-1.92	-2.59	5.48	5.48	-3.29	-1.86
12	10.36	8.98	8.32	8.32	2.09	-4.88	3.94	5.17	-2.39	-1.26
13	10.45	8.48	7.11	6.44	8.98	-4.18	1.65	4.08	-2.49	-0.16
14	10.42	8.09	6.31	5.13	8.96	-1.58	-0.25	3.08	-2.49	2.15
15	9.05	8.59	5.51	1.65	7.78	0.32	-1.35	3.98	-3.09	3.35
16	9.06	8.77	4.12	4.65	7.18	2.42	-1.45	4.48	-2.99	5.06
17	8.05	7.77	3.72	0.35	7.09	2.22	-1.55	5.29	-2.28	6.74
18	8.77	6.17	3.62	1.83	7.07	0.52	-1.65	6.29	-1.58	6.04
19	3.65	3.78	2.92	2.96	5.57	-0.88	-1.65	6.78	-0.48	4.54
20	2.46	2.19	0.52	4.85	2.39	-1.28	-2.05	6.79	0.52	3.84
21	0.86	0.89	-1.28	4.86	1.09	-1.98	0.55	7.39	1.12	2.55
22	0.66	0.29	-2.27	4.86	0.39	-1.18	1.95	7.79	1.82	0.55
23	1.76	0.69	-0.86	6.26	0.29	0.82	4.16	8.09	3.83	-1.65
24	2.56	1.09	0.13	6.26	0.19	3.43	6.66	8.19	6.54	-0.55
25	2.06	1.69	0.83	6.25	-0.91	6.44	7.45	8.12	8.84	1.25
26	0.56	2.69	1.83	5.46	-1.51	8.93	7.15	10.09	9.79	4.26
27	0.46	2.69	2.43	5.45	0.09	9.22	6.35	10.39	8.40	6.47
28	-1.34	2.10	2.43	4.13	1.79	8.83	5.14	10.58	7.50	7.85
29	-8.02	2.10	2.93	1.96	3.60	8.92	2.65	10.28	5.61	7.44
30	-13.74	1.30	2.93	2.96	4.49	8.33	0.26	9.74	4.33	6.34
31	-13.73	1.20	2.53	4.07	4.20	8.33	-3.15	7.19	5.12	4.55
32	-13.73	1.00	2.13	5.46	5.50	8.42	-5.44	7.06	5.93	3.15
33	-13.67	0.80	1.23	5.47	5.59	8.02	-4.63	4.09	5.93	2.26
34	-11.89	0.70	0.83	5.86	5.49	7.52	-3.14	2.29	6.74	1.06
35	-1.03	0.70	0.43	5.86	5.20	6.82	-1.24	0.81	1.26	1.26
36	3.17	0.70	0.53	4.66	5.00	6.23	0.86	0.83	8.93	2.26
37	3.17	0.80	2.43	3.76	5.00	6.22	1.76	2.31	9.44	3.26
38	5.87	2.00	3.14	3.17	5.00	5.13	2.36	5.70	10.33	3.86
39	5.87	2.90	5.54	3.27	4.60	5.43	2.36	3.70	10.43	5.15
40	5.87	3.40	5.95	3.27	4.60	4.53	0.26	3.20	10.60	2.86
41	5.66	2.80	7.95	3.07	4.60	3.93	-1.24	2.30	9.19	1.16
42	3.78	2.50	8.73	2.57	4.59	3.73	-2.93	2.40	7.11	-0.54
43	6.19	2.51	8.41	1.87	2.90	3.73	-2.28	2.30	4.92	-1.04
44	8.39	2.41	6.94	1.77	2.80	3.73	1.77	2.29	4.23	-0.44
45	9.67	2.41	6.83	0.97	2.80	3.64	6.87	4.11	2.93	0.36
46	9.67	2.51	6.33	0.97	2.90	3.54	7.14	6.09	3.43	1.27
47	9.54	2.31	5.33	1.77	3.11	3.84	4.87	4.19	4.04	2.17
48	7.84	2.11	2.77	2.77	4.11	3.74	4.27	2.30	4.84	2.87
49	5.46	1.71	-0.76	3.28	4.90	4.54	3.77	1.60	5.14	3.57
50	3.07	1.31	-3.36	4.28	3.40	4.04	3.87	2.70	6.02	4.77

RECHRD=S-612
 DATE AND TIME=1971-06-13-13-06
 COMPONENT=E-W
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ZERO,ARC
 FORMAT NO.=301
 STATION=KASHIMA-S
 TOTAL NUMBER OF DATA= 3000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	4.27	4.70	0.03	10.44	2.60	1.43	7.05	0.91	2.53	2.56
2	4.97	4.20	0.07	9.45	2.70	1.43	6.26	0.41	4.33	2.56
3	5.07	4.20	0.07	8.43	2.60	1.43	5.97	0.00	6.03	2.56
4	5.96	4.20	0.07	5.76	2.60	1.43	6.46	0.40	6.43	2.56
5	4.37	3.60	0.54	4.96	2.60	1.43	5.97	0.40	6.42	2.56
6	4.47	3.10	1.34	3.97	1.00	0.23	7.14	1.30	5.92	2.56
7	4.68	2.80	3.94	3.17	1.00	0.37	4.86	3.60	4.82	2.56
8	5.47	1.80	4.24	3.77	1.00	0.97	3.87	4.90	3.63	2.56
9	5.76	1.31	4.24	4.77	1.50	1.47	3.56	2.13	2.13	1.66
10	6.17	0.71	4.14	5.27	2.10	2.37	2.17	3.30	1.13	1.86
11	6.17	0.01	4.04	5.68	3.01	2.76	0.57	4.80	0.23	2.36
12	6.18	0.79	3.34	6.67	4.11	2.86	-0.43	4.70	-1.47	1.97
13	6.17	1.79	2.74	6.46	5.41	-2.76	0.33	4.71	0.13	2.27
14	5.18	3.09	2.24	4.76	5.71	-1.66	0.37	6.00	1.84	2.97
15	4.97	4.39	2.94	1.87	5.71	0.16	1.17	6.10	3.34	3.67
16	4.38	4.49	3.44	0.77	6.50	0.54	1.47	6.00	4.44	3.97
17	3.78	3.69	3.54	0.92	5.60	1.74	1.27	6.00	5.34	4.27
18	2.98	3.69	3.44	1.93	5.11	2.74	1.07	6.01	5.84	4.27
19	2.08	3.19	3.44	3.63	5.11	2.64	0.37	6.01	6.74	4.27
20	1.28	2.39	3.44	4.52	5.11	2.64	0.63	6.01	6.84	4.27
21	0.18	1.19	3.25	3.42	5.11	2.24	0.73	6.11	7.14	4.37
22	5.03	0.61	3.35	2.92	3.31	1.84	0.72	6.01	7.13	4.77
23	6.32	1.32	3.95	2.72	2.31	1.44	0.62	6.11	6.44	5.27
24	6.91	2.81	4.65	1.72	1.81	1.22	0.61	6.11	6.04	5.37
25	6.12	2.51	5.15	0.62	1.41	1.16	2.32	6.01	5.64	5.47
26	6.11	1.62	5.05	0.48	1.41	2.25	2.62	6.00	4.74	5.47
27	5.61	2.92	5.15	0.28	0.09	2.35	0.62	4.71	3.24	5.38
28	4.81	4.22	5.44	1.08	0.01	2.45	0.48	4.71	0.94	5.38
29	4.31	5.43	3.95	0.08	0.01	2.45	0.78	4.41	1.46	6.18
30	3.21	7.66	2.55	0.42	1.02	2.45	0.68	3.71	2.05	6.08
31	1.71	10.69	1.35	0.92	0.52	1.55	0.98	4.21	2.15	6.07
32	0.11	13.58	0.45	2.41	0.12	0.95	0.28	3.31	2.16	5.17
33	0.39	14.87	0.55	1.71	0.28	0.15	2.09	1.61	3.69	3.27
34	0.69	13.77	0.25	1.41	0.38	0.75	5.19	0.48	3.95	1.16
35	1.49	12.45	0.55	0.29	0.42	1.85	5.79	3.09	3.95	3.17
36	3.09	10.13	0.44	0.29	0.92	1.65	6.58	3.78	2.95	3.52
37	4.40	6.00	0.34	0.39	0.82	1.75	6.28	3.68	2.95	4.32
38	5.60	3.21	1.34	1.09	1.12	1.75	6.08	3.58	2.43	4.41
39	6.59	1.28	2.04	2.39	2.32	1.55	5.59	1.98	1.45	3.62
40	6.20	4.17	2.14	3.19	4.23	1.55	5.69	1.98	0.45	3.62
41	7.30	4.18	3.14	3.09	5.64	1.56	5.39	1.98	0.65	3.62
42	7.139	6.07	3.84	2.49	8.16	1.56	5.28	1.98	2.75	3.62
43	6.199	3.46	3.94	1.99	10.92	1.56	4.48	0.98	2.75	3.41
44	6.19	3.57	3.04	2.59	10.72	0.86	3.09	0.98	2.75	3.21
45	6.00	3.77	2.04	2.39	10.59	1.26	1.59	0.58	2.85	2.71
46	6.00	5.06	0.54	2.59	8.87	2.46	1.49	0.02	2.65	2.71
47	5.90	3.77	2.07	2.59	5.52	4.47	1.19	0.62	2.26	2.71
48	5.89	3.27	8.90	2.60	4.82	7.16	0.99	0.92	3.26	0.71
49	5.20	1.97	10.86	2.60	3.62	7.46	0.79	1.03	2.56	0.39
50	5.49	0.23	10.76	2.60	1.43	7.36	0.81	1.63	2.56	1.19

RECORD=S=612 COMPONENT=E=H SAMPLING INTERVAL=0.010(SEC) CORRECTION=ZERO,ARC STATION=KASHIMA=S
 DATE AND TIME=1971-06-13-06

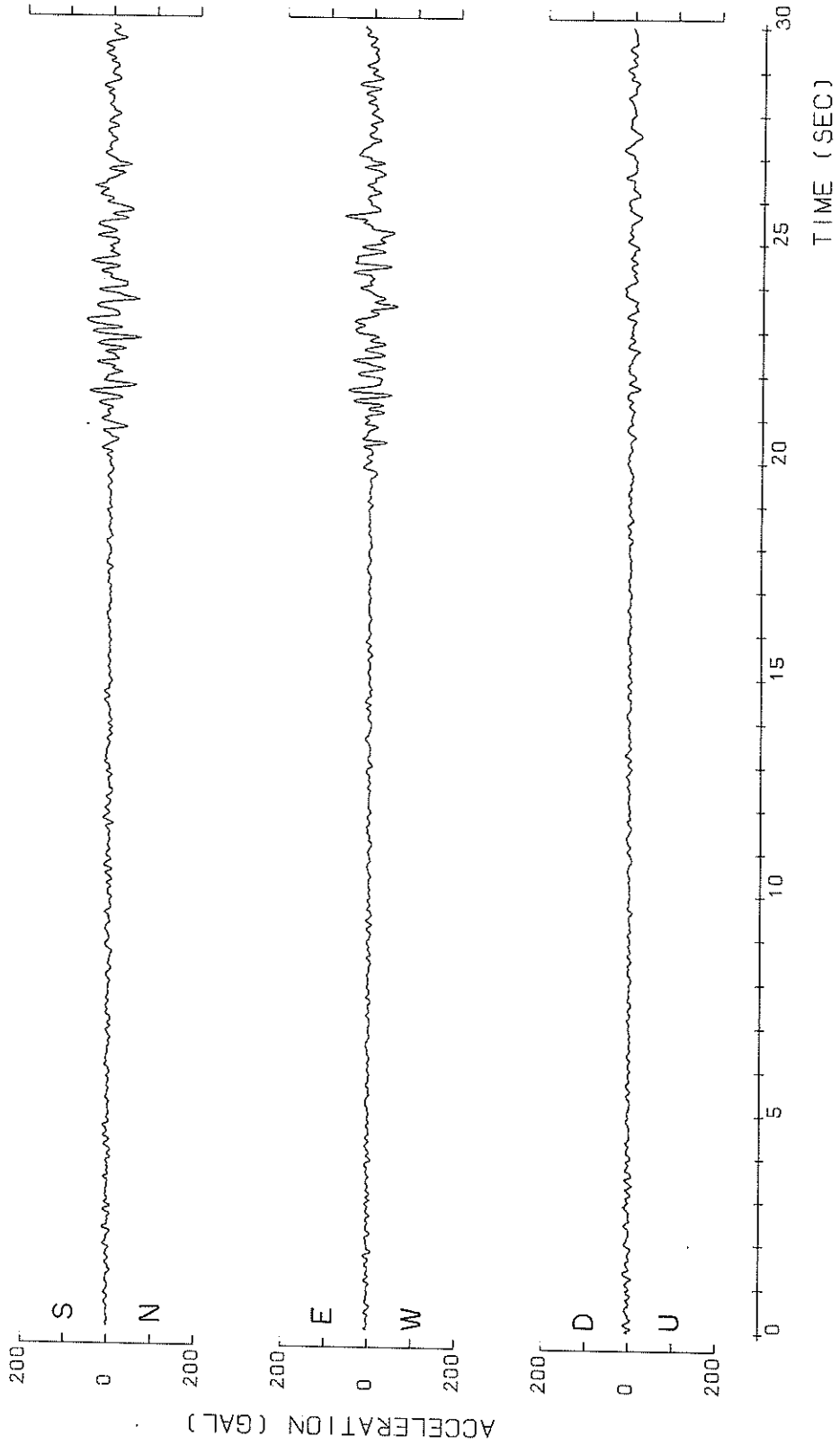
NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	1.79	4.42	5.45	3.11	0.08	-2.75	1.78	0.58	2.15	0.68
2	1.79	3.92	4.75	-3.21	-0.18	-2.35	-0.18	0.58	2.15	0.68
3	4.00	3.52	4.05	3.61	-0.28	-2.35	1.49	0.58	2.15	0.68
4	5.20	2.92	2.75	-4.02	-0.08	-2.35	1.49	0.58	2.15	0.68
5	5.79	2.42	0.26	-0.41	0.42	-2.04	0.79	0.58	2.85	0.68
6	5.49	1.43	-2.24	-6.69	0.72	-1.84	0.79	0.58	2.95	0.68
7	5.39	0.43	-3.04	-4.31	0.72	-0.64	-0.41	0.79	1.75	0.79
8	5.39	0.13	3.94	-4.41	0.82	-0.14	-1.21	0.42	2.65	0.69
9	5.00	0.33	-4.14	-3.81	0.53	0.36	-2.51	1.02	3.45	0.69
10	5.09	0.33	-3.124	-3.89	0.73	0.96	-2.51	1.02	2.65	1.09
11	3.90	0.73	-2.94	0.79	1.63	2.36	-3.11	0.82	2.46	1.89
12	3.70	0.83	2.64	0.29	3.13	4.16	-2.81	0.12	2.56	1.69
13	3.70	0.63	-2.64	1.30	4.63	4.96	-2.71	0.02	3.16	1.69
14	3.70	0.73	-2.44	3.40	5.23	4.96	-2.71	0.17	2.66	2.09
15	3.70	0.83	-2.23	4.00	5.23	5.56	-2.51	0.37	2.56	2.09
16	3.60	0.83	-1.73	4.80	5.33	5.57	-2.11	1.56	1.56	2.99
17	3.70	0.93	-1.03	4.90	5.33	6.16	-2.11	1.16	1.16	3.09
18	4.50	1.03	0.33	4.90	5.33	6.16	-2.10	1.16	1.16	3.09
19	3.10	1.54	0.27	4.90	5.33	6.26	-2.10	1.53	1.16	3.49
20	1.40	2.33	0.77	4.90	5.33	6.37	-2.10	4.63	1.16	3.49
21	2.00	1.64	1.37	5.40	5.33	6.37	0.40	4.63	1.16	3.19
22	2.00	1.64	2.57	4.70	5.33	6.57	3.50	4.63	1.16	3.19
23	2.01	1.64	2.67	4.70	5.33	6.57	4.50	4.64	1.16	3.09
24	2.01	1.64	3.37	4.70	4.23	6.57	5.40	5.63	1.16	2.40
25	1.61	1.74	3.37	4.80	4.24	6.57	5.90	5.13	1.16	2.40
26	2.31	2.04	3.37	4.20	4.23	6.57	6.00	4.63	1.17	2.40
27	2.21	2.34	3.37	4.10	3.53	6.47	6.00	4.63	1.17	2.40
28	1.91	2.34	3.47	3.50	2.44	6.56	6.10	4.64	1.17	1.90
29	1.41	2.74	3.77	2.50	1.84	5.37	6.00	5.03	1.17	1.90
30	1.21	3.34	3.86	1.11	1.44	4.97	6.10	4.93	1.17	1.70
31	1.01	3.34	4.48	-0.59	0.84	4.17	6.01	4.23	1.17	1.20
32	1.31	3.74	4.78	1.39	0.84	4.17	6.20	3.93	1.17	0.90
33	1.21	3.24	5.58	1.19	0.84	3.47	6.10	3.14	1.17	1.80
34	1.01	2.74	6.49	-0.69	0.84	2.77	6.00	2.44	1.17	2.70
35	0.91	2.75	8.08	-0.29	0.84	2.67	5.39	1.94	1.17	2.20
36	0.61	2.74	8.08	0.31	0.84	2.48	2.91	1.74	1.17	2.61
37	-0.09	2.05	8.08	0.71	0.84	2.68	2.41	1.44	1.17	3.40
38	-0.09	2.35	7.96	1.01	0.84	2.48	1.91	1.44	1.47	2.71
39	-0.08	2.35	6.58	1.71	0.84	2.08	1.11	0.04	2.07	3.21
40	-0.48	2.35	6.47	1.81	0.45	2.08	0.71	0.26	1.47	3.61
41	-1.18	3.05	5.38	1.61	-1.35	2.08	0.71	0.96	0.67	3.41
42	-1.08	3.85	4.68	1.71	-1.35	2.08	0.71	0.26	0.18	3.21
43	-0.78	4.75	3.88	1.71	-1.35	2.08	0.81	0.26	-0.52	3.61
44	-0.38	5.45	3.38	1.52	-2.55	2.08	0.71	-0.16	-1.22	4.01
45	0.62	5.25	2.18	1.32	-2.55	0.78	0.19	-0.15	-1.22	4.01
46	3.02	5.45	1.18	1.22	-3.85	0.28	-0.49	0.85	-0.52	3.61
47	4.82	-2.01	0.82	-3.78	0.38	0.58	-0.79	1.85	-0.52	3.21
48	4.82	5.36	0.42	-3.35	0.38	0.58	-0.59	3.15	-0.42	3.11
49	4.82	5.65	-2.81	0.42	-3.25	0.98	-0.58	3.15	0.48	3.01
50	4.69	5.75	-3.31	0.32	-2.85	1.58	-0.58	2.25	0.48	3.31

RECORD=S*612 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ZERO,ARC STATION=KASHINA=S
 DATE AND TIME=1974-06-18-13-06 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

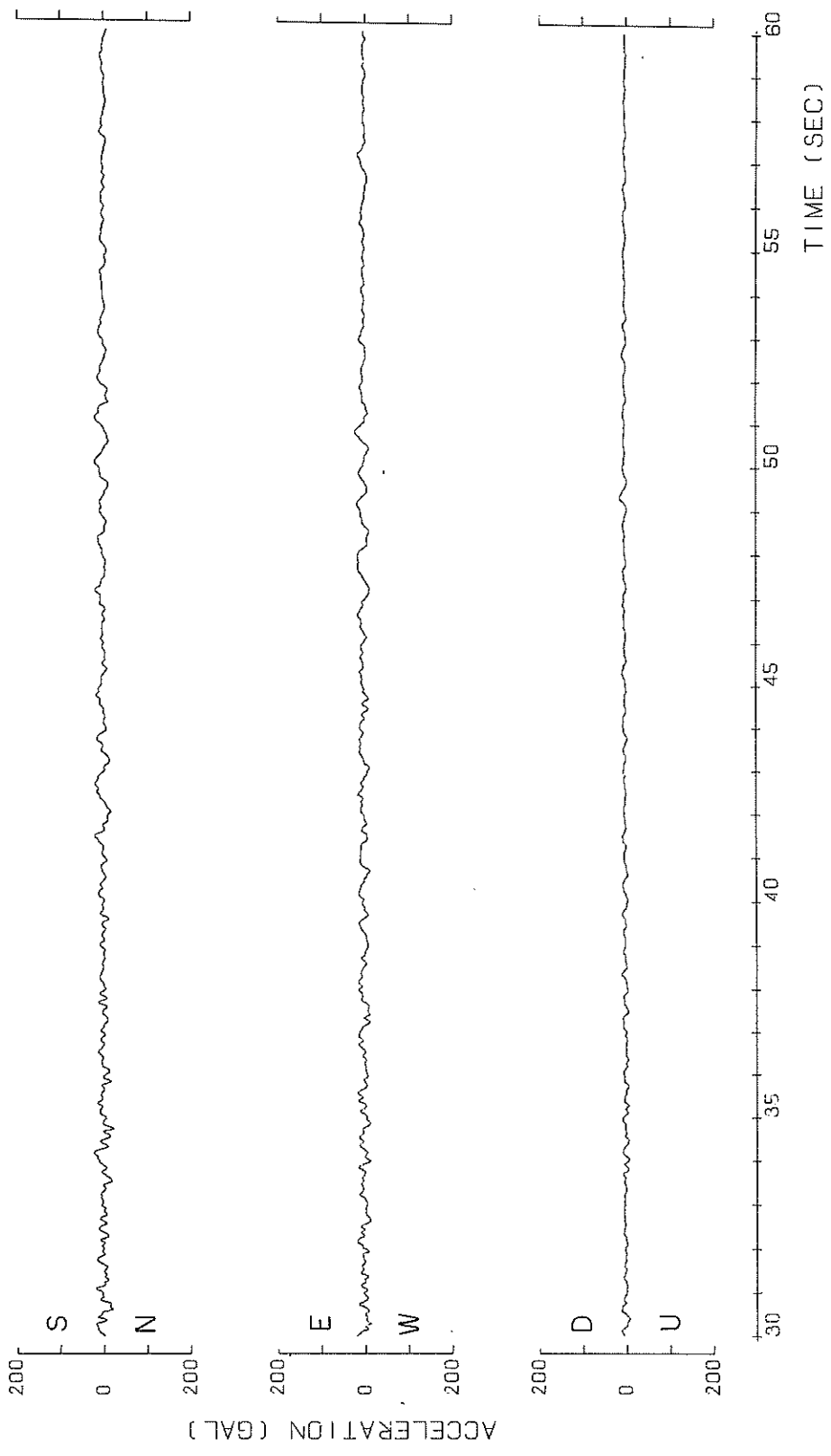
NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	3.61	3.35	3.48	1.01	1.04	2.07	1.51	2.64	0.97	2.40
2	3.51	3.75	3.98	0.61	1.04	2.08	1.51	2.64	0.97	2.10
3	3.11	4.75	4.48	0.61	0.34	2.08	1.41	2.64	0.87	2.11
4	4.91	4.55	4.78	0.71	0.34	2.08	1.51	2.64	0.87	2.11
5	2.62	4.75	4.78	0.61	0.25	1.78	1.41	2.64	0.87	2.11
6	2.72	4.75	4.58	0.61	0.95	1.88	1.51	2.64	0.87	2.11
7	2.72	4.75	4.58	0.11	0.95	1.78	1.51	2.64	0.87	2.11
8	1.92	4.75	4.38	0.29	0.85	0.98	1.51	1.64	1.08	3.01
9	1.92	5.15	3.98	1.08	0.25	0.98	1.51	1.64	1.08	3.01
10	1.72	5.25	3.28	1.18	0.15	0.88	1.51	1.65	1.08	3.11
11	1.62	5.75	2.18	0.88	0.75	0.38	1.51	1.65	1.08	2.01
12	1.12	5.75	1.39	0.78	0.75	0.32	1.41	1.65	1.08	1.81
13	0.42	5.45	0.99	0.98	0.75	0.02	1.51	1.95	1.08	1.51
14	0.48	5.35	0.19	1.08	0.55	0.18	0.62	2.05	1.08	1.21
15	0.68	5.15	0.41	1.08	0.55	0.18	0.98	2.05	1.08	1.41
16	1.18	5.15	0.51	0.08	0.25	0.18	1.38	1.95	1.08	1.71
17	1.18	5.05	0.51	0.68	0.15	0.29	2.18	2.05	1.08	2.21
18	0.22	4.75	0.22	0.38	0.25	0.29	2.28	2.05	1.08	1.91
19	0.77	4.05	0.51	0.08	1.15	0.79	3.48	1.95	1.08	1.51
20	1.17	3.06	0.51	0.78	1.65	0.79	3.48	1.95	1.08	0.48
21	1.17	2.06	0.71	1.32	1.54	1.09	3.48	0.15	1.08	0.78
22	1.17	1.16	1.11	2.52	1.84	1.19	3.48	0.45	1.09	1.68
23	1.17	0.04	1.11	3.93	1.84	1.69	3.38	1.05	0.99	1.68
24	1.17	1.44	1.11	4.42	1.34	2.29	3.38	1.65	0.99	1.78
25	1.17	1.44	1.11	4.13	1.04	1.99	2.78	1.64	2.09	1.78
26	1.17	1.34	1.11	4.13	1.04	0.89	2.78	1.64	2.09	2.08
27	1.17	0.94	1.11	4.23	1.04	0.69	2.78	0.94	1.89	2.08
28	1.17	0.34	1.10	4.12	1.04	0.69	2.38	0.24	1.09	2.08
29	1.17	0.04	1.10	2.93	1.04	0.69	2.27	0.24	0.99	1.98
30	1.27	0.54	1.10	2.83	1.04	0.69	1.37	0.24	0.99	2.28
31	2.07	0.03	1.10	2.83	1.16	0.69	0.47	0.24	0.99	2.28
32	2.07	1.57	1.60	2.73	1.26	0.69	0.43	0.44	0.99	2.08
33	2.07	1.97	1.50	2.73	1.26	0.70	0.43	0.46	0.99	2.08
34	2.07	3.17	1.50	2.73	1.26	0.70	1.23	0.46	0.99	2.08
35	2.06	4.17	1.50	3.03	1.26	0.70	1.23	0.46	0.19	1.77
36	1.46	4.07	1.50	3.03	1.47	0.70	1.23	0.56	0.19	1.27
37	1.56	4.07	1.60	3.03	2.07	0.70	2.23	0.86	0.31	0.27
38	1.46	3.77	1.50	3.13	2.07	0.70	2.23	0.86	0.20	0.93
39	2.46	2.77	0.70	3.04	2.17	0.70	2.93	0.86	0.20	1.33
40	2.36	2.07	0.10	3.13	1.87	0.70	2.93	0.86	0.20	1.83
41	1.16	3.67	0.00	2.74	2.47	0.70	2.93	0.27	0.20	2.13
42	0.04	2.17	0.00	2.54	2.47	0.70	2.93	0.27	1.70	2.13
43	0.56	2.17	0.01	2.14	2.47	0.60	2.93	0.27	1.70	2.33
44	0.36	2.47	0.01	2.14	2.47	0.70	2.93	0.27	0.10	2.93
45	0.36	2.67	0.01	2.14	2.47	0.70	2.93	0.27	0.20	3.93
46	0.36	2.67	0.01	2.14	2.47	0.70	2.94	0.27	0.20	3.93
47	0.06	2.18	0.01	2.04	2.37	0.80	2.94	0.27	0.20	3.93
48	1.14	1.98	0.01	2.14	2.47	1.41	2.84	0.37	0.70	3.93
49	0.54	1.98	0.01	1.74	2.47	1.41	2.64	0.37	1.30	3.03
50	3.44	2.98	0.71	1.34	2.17	1.51	2.64	0.37	2.10	2.94

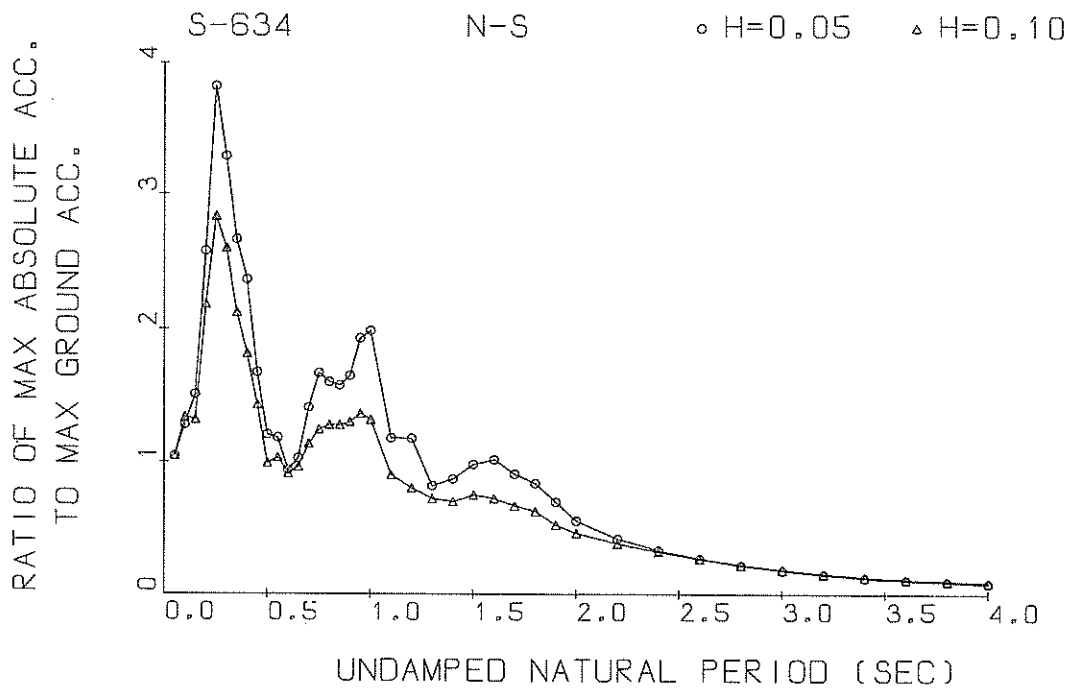
S-634 KUSHIRO-S 1971-08-02-16-25

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

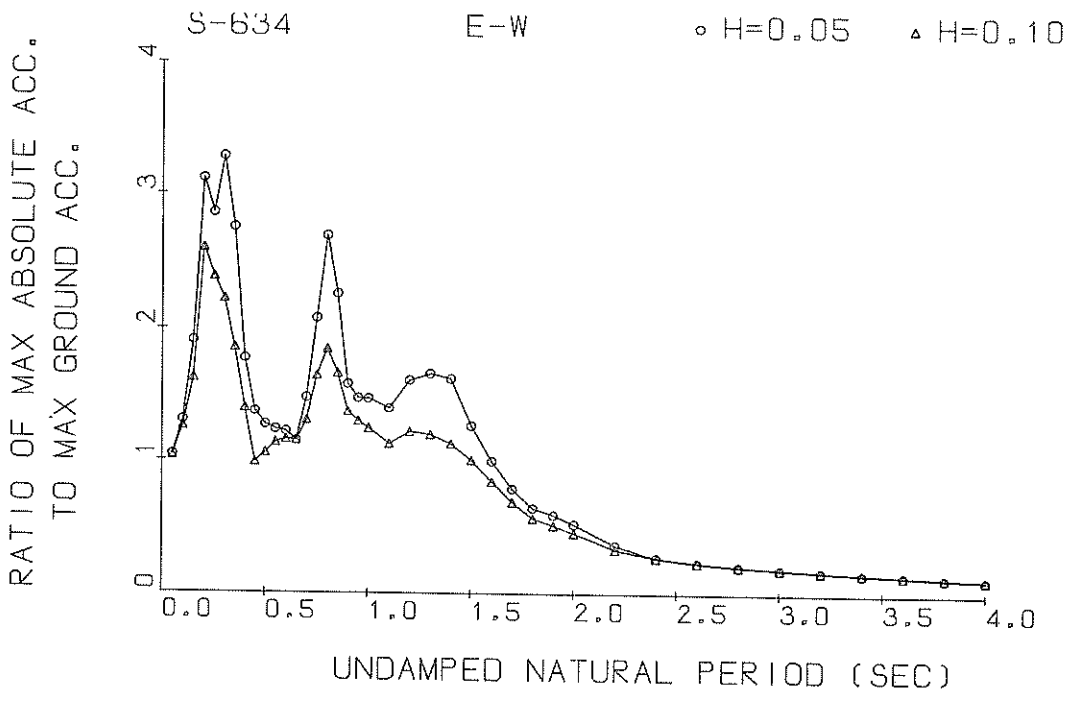


S-634 KUSHIRO-S 1971-08-02-16-25

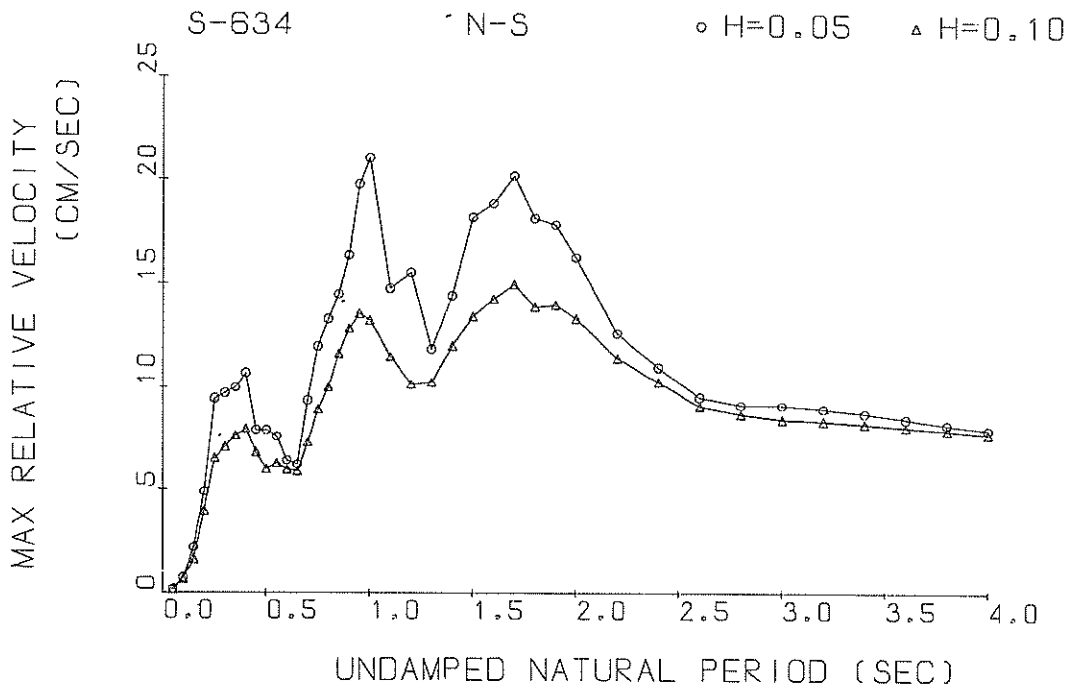




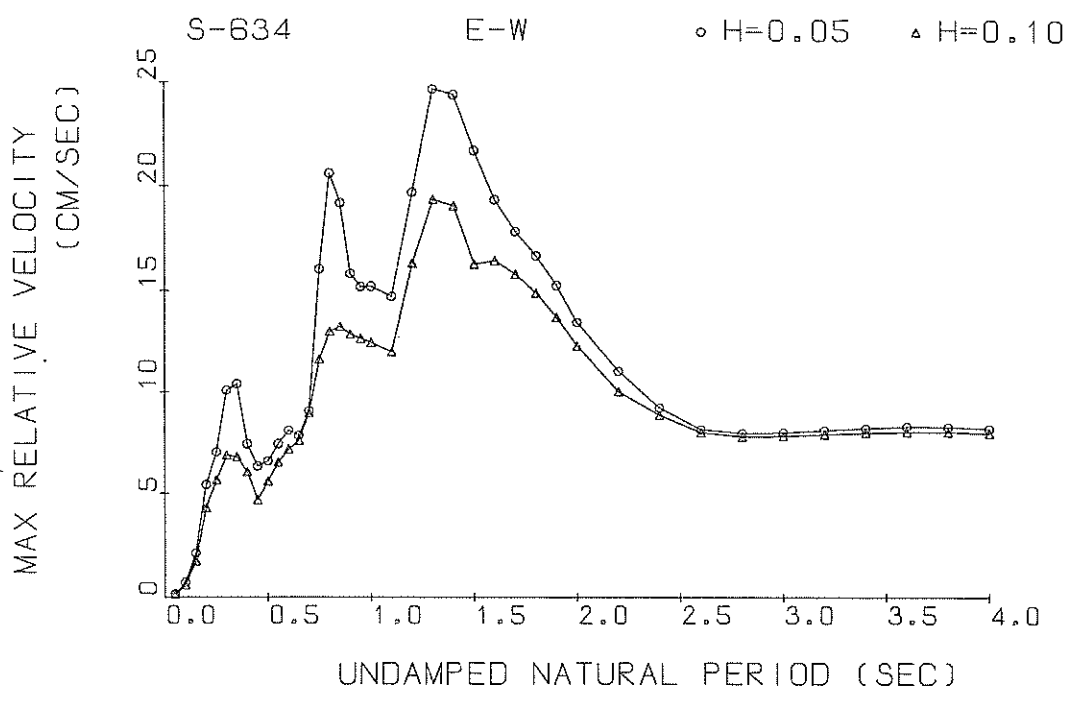
Response Spectra



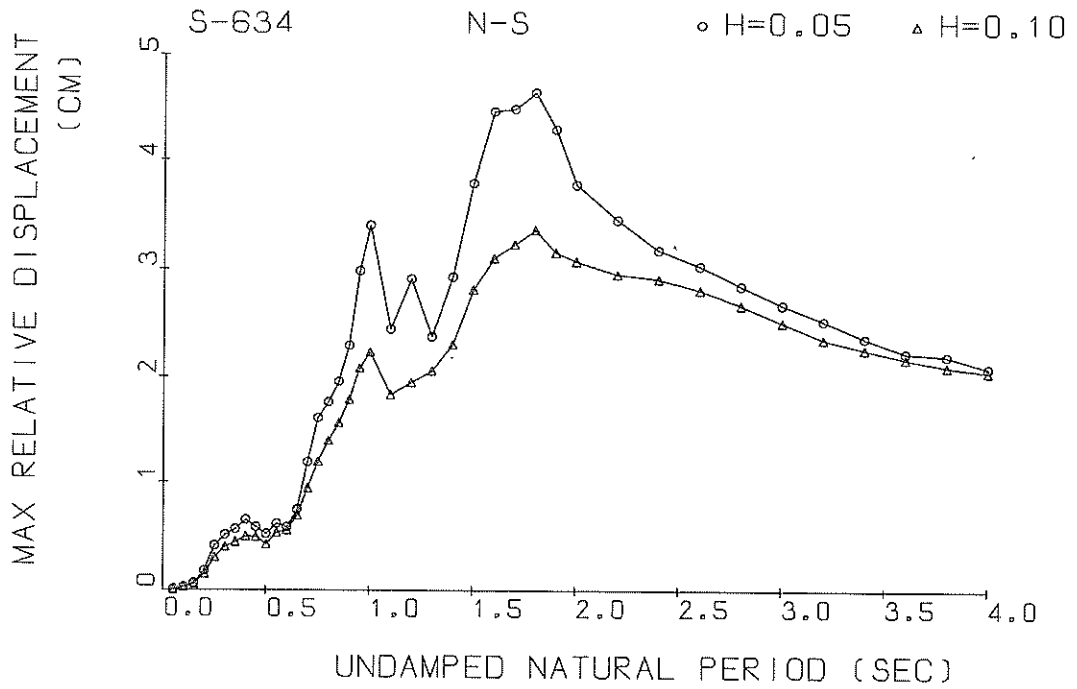
Response Spectra



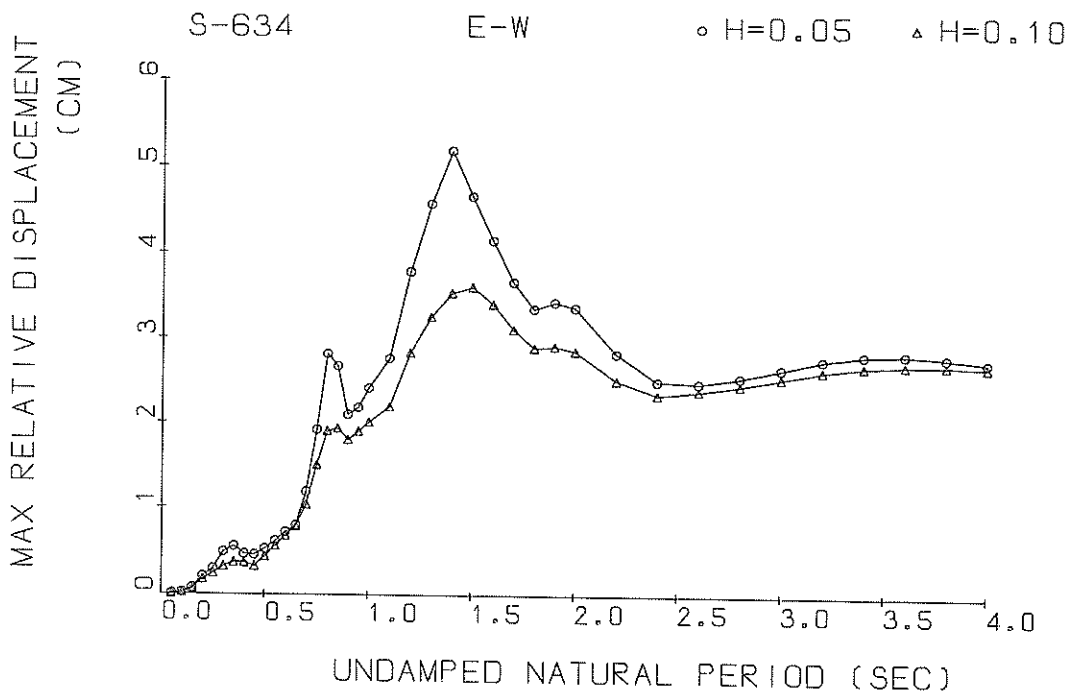
Response Spectra



Response Spectra



Response Spectra

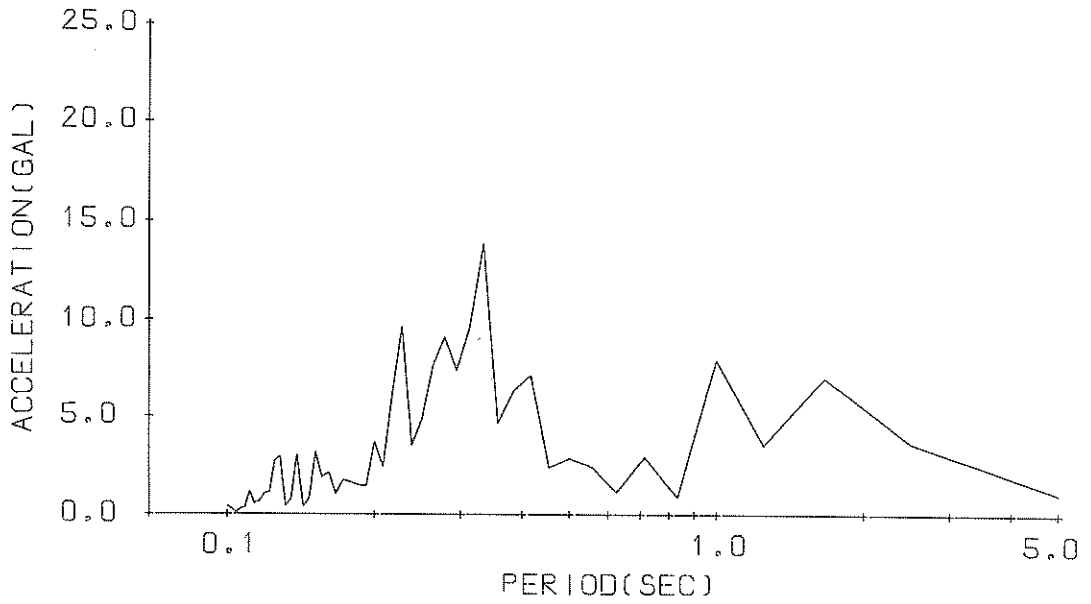


Response Spectra

S-634 N-S

TSK=19.50

TUS=5.00

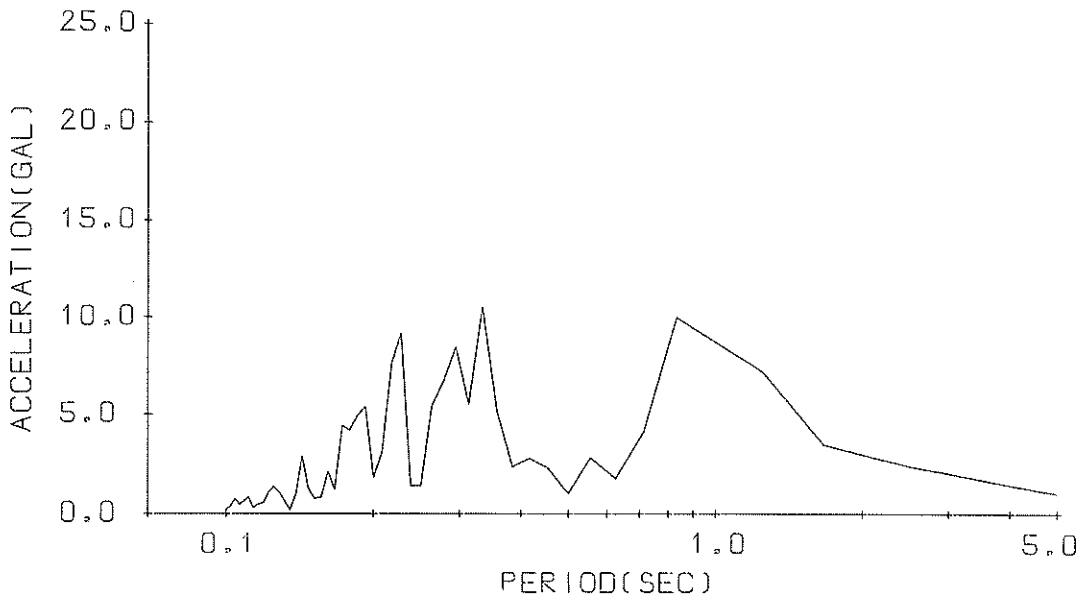


Fourier Spectrum

S-634 E-W

TSK=19.50

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD # S-634 N-S 1971-08-02-16-25
 STATION = KUSHIRO-S INPUT SIGNAL = GR,ACC,
 SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ARC,ERR,
 TIME LENGTH = 40,00(SEC) SKIPPED LENGTH = 18,00(SEC)
 DAMPING COEFFICIENT = 0,050 MAX,GROUND ACC.= 68,04(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.044	71.02	13.78	0.154	0.0045
0.100	1.281	87.17	36.35	0.686	0.0221
0.150	1.510	102.75	69.61	2.147	0.0585
0.200	2.574	175.15	127.42	4.857	0.1768
0.250	3.824	260.18	222.19	9.457	0.4085
0.300	3.287	223.62	205.59	9.717	0.5065
0.350	2.657	180.61	196.33	9.985	0.5584
0.400	2.362	160.70	180.64	10.681	0.6469
0.450	1.675	114.00	144.02	7.897	0.5812
0.500	1.208	82.17	137.98	7.904	0.5160
0.550	1.184	80.59	102.40	7.561	0.6137
0.600	0.938	63.79	87.89	6.399	0.5794
0.650	1.028	69.92	81.75	6.185	0.7454
0.700	1.414	96.20	85.52	9.382	1.1885
0.750	1.672	113.75	112.96	11.984	1.6147
0.800	1.604	109.11	110.43	13.285	1.7621
0.850	1.576	107.25	100.32	14.486	1.9554
0.900	1.653	112.45	116.27	16.328	2.2960
0.950	1.928	131.18	134.96	19.745	2.9840
1.000	1.983	134.95	146.07	20.998	3.4019
1.100	1.181	80.33	108.53	14.741	2.4480
1.200	1.177	80.09	93.92	15.520	2.9065
1.300	0.820	55.81	67.67	11.852	2.3766
1.400	0.871	59.27	80.45	14.417	2.9275
1.500	0.982	66.63	93.33	18.180	3.7828
1.600	1.015	69.08	103.65	18.861	4.4601
1.700	0.908	61.76	104.95	20.164	4.4840
1.800	0.837	56.95	100.04	18.127	4.6415
1.900	0.694	47.19	99.52	17.817	4.2886
2.000	0.552	37.55	97.41	16.222	3.7691
2.200	0.416	28.31	91.74	12.607	3.4480
2.400	0.325	22.09	86.55	10.974	3.1737
2.600	0.264	17.95	82.27	9.534	3.0298
2.800	0.213	14.51	78.74	9.158	2.8430
3.000	0.174	11.82	75.89	9.145	2.6725
3.200	0.145	9.86	73.69	8.988	2.5230
3.400	0.121	8.23	72.04	8.747	2.3652
3.600	0.102	6.93	70.84	8.472	2.2238
3.800	0.090	6.10	69.99	8.199	2.1968
4.000	0.077	5.24	69.38	7.950	2.0820

RESPONSE SPECTRUM

RECORD = S-634 N-S 1971-08-02-16-25
 STATION = KUSHIRO-S INPUT SIGNAL = GR,ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC,ERR,
 TIME LENGTH = 40.00(SEC) SKIPPED LENGTH = 18.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 68.04(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.044	71.00	12.16	0.148	0.0045
0.100	1.339	91.12	30.35	0.635	0.0229
0.150	1.318	89.69	62.69	1.575	0.0511
0.200	2.179	148.27	102.49	3.948	0.1483
0.250	2.829	192.46	164.89	6.531	0.3000
0.300	2.593	176.42	158.84	7.048	0.3955
0.350	2.120	144.28	154.55	7.629	0.4387
0.400	1.813	123.39	135.11	7.967	0.4915
0.450	1.433	97.49	129.23	6.797	0.4891
0.500	0.990	67.34	117.03	5.943	0.4195
0.550	1.033	70.30	91.31	6.242	0.5264
0.600	0.912	62.06	83.19	5.918	0.5515
0.650	0.965	65.63	77.17	5.825	0.6914
0.700	1.138	77.44	78.87	7.267	0.9444
0.750	1.245	84.74	85.52	8.914	1.1925
0.800	1.282	87.20	87.33	10.003	1.3944
0.850	1.282	87.21	84.48	11.627	1.5697
0.900	1.303	88.64	90.15	12.830	1.7869
0.950	1.364	92.79	94.72	13.541	2.0816
1.000	1.320	89.80	97.90	13.229	2.2269
1.100	0.901	61.29	88.00	11.488	1.8315
1.200	0.800	54.45	86.01	10.138	1.9456
1.300	0.720	48.96	82.47	10.252	2.0537
1.400	0.695	47.31	81.65	12.023	2.3009
1.500	0.747	50.83	85.20	13.433	2.8135
1.600	0.719	48.92	89.49	14.268	3.0988
1.700	0.666	45.30	92.88	14.961	3.2298
1.800	0.622	42.34	94.61	13.875	3.3612
1.900	0.523	35.58	94.72	13.984	3.1517
2.000	0.459	31.26	93.67	13.329	3.0708
2.200	0.377	25.67	89.97	11.418	2.9521
2.400	0.316	21.50	85.99	10.265	2.9075
2.600	0.263	17.87	82.42	9.109	2.8062
2.800	0.218	14.80	79.38	8.687	2.6677
3.000	0.181	12.29	76.87	8.430	2.5092
3.200	0.151	10.28	74.86	8.381	2.3535
3.400	0.128	8.71	73.29	8.254	2.2559
3.600	0.111	7.52	72.09	8.088	2.1669
3.800	0.097	6.63	71.18	7.907	2.0952
4.000	0.088	5.96	70.50	7.733	2.0489

RESPONSE SPECTRUM

RECORD = S-634 E-W 1971-08-02-16-25
 STATION = KUSHIRO-S INPUT SIGNAL = GR,ACC.
 SAMPLING INTERVAL = 0,0100(SEC) CORRECTION = ARC,ERR,
 TIME LENGTH = 40,00(SEC) SKIPPED LENGTH = 18,00(SEC)
 DAMPING COEFFICIENT = 0,050 MAX,GROUND ACC,= 64,72(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLAC (CM)
0.050	1.038	67.19	8.72	0.132	0.0043
0.100	1.303	84.32	28.13	0.685	0.0213
0.150	1.907	123.44	77.00	2.100	0.0700
0.200	3.111	201.38	158.37	5.423	0.2043
0.250	2.857	184.95	166.01	7.028	0.2913
0.300	3.276	212.05	218.44	10.064	0.4825
0.350	2.750	177.96	199.53	10.371	0.5496
0.400	1.770	114.54	129.46	7.389	0.4619
0.450	1.371	88.71	106.37	6.340	0.4523
0.500	1.272	82.31	100.59	6.578	0.5178
0.550	1.235	79.95	92.02	7.425	0.6093
0.600	1.219	78.90	86.16	8.070	0.7165
0.650	1.151	74.51	82.10	7.816	0.7945
0.700	1.477	95.58	104.57	9.040	1.1811
0.750	2.079	134.53	136.37	15.994	1.9093
0.800	2.691	174.16	191.45	20.583	2.8074
0.850	2.259	146.22	160.39	19.163	2.6607
0.900	1.580	102.24	108.83	15.767	2.0885
0.950	1.475	95.46	111.13	15.141	2.1763
1.000	1.473	95.31	127.36	15.168	2.4037
1.100	1.398	90.50	133.58	14.679	2.7546
1.200	1.608	104.11	115.16	19.670	3.7788
1.300	1.657	107.25	122.74	24.636	4.5666
1.400	1.618	104.76	130.28	24.366	5.1770
1.500	1.266	81.92	138.93	21.659	4.6448
1.600	0.994	64.32	127.76	19.308	4.1346
1.700	0.781	50.53	115.14	17.782	3.6558
1.800	0.635	41.08	104.53	16.620	3.3445
1.900	0.584	37.77	93.63	15.215	3.4245
2.000	0.517	33.44	83.09	13.433	3.3610
2.200	0.358	23.19	77.22	11.020	2.8134
2.400	0.267	17.29	74.67	9.183	2.4884
2.600	0.228	14.78	72.22	8.104	2.4712
2.800	0.202	13.08	70.54	7.921	2.5382
3.000	0.184	11.91	69.38	7.955	2.6396
3.200	0.169	10.91	68.39	8.074	2.7443
3.400	0.153	9.90	68.48	8.197	2.8056
3.600	0.137	8.89	68.30	8.264	2.8145
3.800	0.122	7.91	67.73	8.254	2.7807
4.000	0.108	7.02	66.99	8.172	2.7234

RESPONSE SPECTRUM

RECORD = S-634 E-W 1971-08-02-16-25
 STATION = KUSHIRO-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ARC.ERR.
 TIME LENGTH = 40.00(SEC) SKIPPED LENGTH = 18.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 64.72(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.028	66.56	6.91	0.121	0.0042
0.100	1.257	81.35	23.21	0.576	0.0205
0.150	1.624	105.14	60.51	1.722	0.0593
0.200	2.595	167.99	124.19	4.292	0.1689
0.250	2.386	154.44	139.70	5.642	0.2401
0.300	2.220	143.69	145.12	6.863	0.3220
0.350	1.856	120.10	137.91	6.773	0.3643
0.400	1.396	90.33	113.13	6.046	0.3590
0.450	0.984	63.71	95.20	4.660	0.3218
0.500	1.059	68.54	85.78	5.579	0.4296
0.550	1.135	73.44	71.94	6.512	0.5552
0.600	1.163	75.26	79.31	7.162	0.6758
0.650	1.152	74.60	80.98	7.592	0.7856
0.700	1.307	84.60	90.23	8.931	1.0307
0.750	1.646	106.53	113.89	11.595	1.4900
0.800	1.847	119.53	136.06	12.981	1.8960
0.850	1.661	107.50	125.05	13.235	1.9228
0.900	1.372	88.79	100.43	12.828	1.7892
0.950	1.301	84.19	92.24	12.616	1.8879
1.000	1.244	80.51	105.53	12.446	1.9987
1.100	1.126	72.85	113.30	11.957	2.1863
1.200	1.219	78.92	103.69	16.264	2.8225
1.300	1.197	77.44	88.71	19.333	3.2542
1.400	1.126	72.90	106.30	19.014	3.5317
1.500	1.001	64.81	115.73	16.238	3.5987
1.600	0.834	54.00	113.38	16.403	3.4021
1.700	0.681	44.08	106.60	15.747	3.0991
1.800	0.557	36.07	98.98	14.845	2.8797
1.900	0.507	32.83	91.18	13.681	2.8985
2.000	0.450	29.12	83.84	12.275	2.8377
2.200	0.328	21.21	75.56	9.993	2.5005
2.400	0.264	17.08	73.72	8.817	2.3294
2.600	0.232	15.01	71.85	7.950	2.3801
2.800	0.207	13.43	70.37	7.754	2.4473
3.000	0.189	12.21	69.23	7.795	2.5324
3.200	0.172	11.16	68.25	7.875	2.6135
3.400	0.157	10.19	67.94	7.954	2.6680
3.600	0.143	9.26	67.75	7.998	2.6912
3.800	0.130	8.40	67.35	7.994	2.6883
4.000	0.118	7.62	66.83	7.942	2.6717

RECORD#S=634 COMPONENT=NMS SIGNAL#GR,ACC CORRECTION=ARC,ERR STATION=KUSHIRO-S
DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL= 0.0101(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	{	0}	{	50}	{	100}	{	150}	{	200}	{	250}	{	300}	{	350}	{	400}	{	450}
1	0		4.30	4.20	2.40	1.30	-1.70	4.10	1.10	-1.00	1.80									
2	0	4.40	4.40	-2.60	1.20	-2.50	-4.10	4.10	0.70	-1.80	2.30									
3	0.00	5.30	4.50	-2.60	1.60	-4.01	4.50	4.50	0.00	-3.60	3.10									
4	0.50	6.10	5.20	-1.90	1.70	-5.01	4.80	4.80	0.70	-4.70	3.90									
5	1.60	6.19	4.60	-1.20	1.40	-6.60	4.00	4.00	1.30	-5.60	3.60									
6	2.00	5.30	3.90	-0.80	0.70	-6.59	3.30	3.30	1.70	-5.80	3.40									
7	2.50	4.70	3.50	-0.30	-0.10	-5.79	2.80	2.80	1.40	-5.80	3.50									
8	2.50	4.00	2.80	0.00	-1.00	-4.79	2.60	2.60	0.90	-5.60	3.50									
9	2.50	3.10	2.70	0.70	-1.80	-2.90	2.90	2.90	0.80	-5.10	4.41									
10	2.00	2.50	2.60	3.00	-3.00	-0.40	3.60	3.60	1.00	-4.29	7.62									
11	0.80	1.80	3.00	4.10	-4.10	1.90	4.30	4.30	1.20	-3.00	9.42									
12	-0.00	1.00	3.10	4.80	-4.80	3.70	4.40	4.40	0.70	-1.70	10.62									
13	-1.20	-0.00	3.10	3.60	5.60	5.21	4.60	4.60	0.20	1.20	11.51									
14	-2.40	2.00	3.10	3.60	5.80	6.21	5.10	5.10	1.10	2.30	11.69									
15	-2.40	2.70	2.60	3.30	6.30	7.84	4.70	4.70	1.30	3.40	11.14									
16	-1.70	-2.60	2.10	3.40	6.40	10.71	4.30	4.30	1.30	5.21	8.99									
17	-1.10	-2.00	1.30	3.10	6.19	11.03	3.40	3.40	0.60	7.11	8.44									
18	-0.70	-1.20	0.50	2.90	4.49	8.49	2.10	2.10	0.90	8.21	4.29									
19	-0.40	0.10	0.50	2.70	-2.89	7.68	1.10	1.10	1.50	8.60	1.50									
20	0.00	0.70	2.40	2.50	1.30	6.08	1.10	1.10	1.30	8.69	-0.60									
21	0.20	1.90	4.20	1.50	4.21	3.89	1.30	1.30	0.80	7.89	-2.70									
22	0.30	3.80	4.70	1.30	6.73	1.40	1.90	1.90	0.60	6.89	-2.80									
23	0.50	5.11	-0.00	0.00	9.83	-4.60	2.40	2.40	0.40	5.89	-2.90									
24	0.70	6.81	-1.50	11.34	-5.60	-5.60	2.90	2.90	0.40	5.09	-2.80									
25	1.00	7.69	-2.50	12.60	-6.30	-6.30	2.10	2.10	0.30	3.70	-2.80									
26	1.40	7.29	-3.10	12.57	-6.30	-6.30	1.30	1.30	1.20	2.10	-2.40									
27	1.30	6.29	-3.40	11.73	-5.88	-5.88	1.30	1.30	1.90	0.30	-0.90									
28	1.30	5.50	-3.80	9.46	-3.19	-3.19	1.30	1.30	2.80	-1.10	0.00									
29	1.30	4.80	-3.30	7.57	-0.90	-0.90	1.30	1.30	3.30	-2.30	0.90									
30	1.30	4.20	-2.00	4.79	2.00	2.70	1.30	1.30	4.10	-3.50	2.80									
31	1.80	3.10	1.50	0.80	2.70	2.70	0.70	0.70	3.80	-3.40	2.90									
32	1.90	2.60	1.70	0.80	4.31	4.31	-0.40	-0.40	3.20	-3.00	2.90									
33	2.00	1.70	1.70	4.61	-1.50	-1.50	0.40	0.40	2.60	-2.10	2.20									
34	2.40	0.60	1.70	6.82	-1.10	-1.10	0.40	0.40	1.90	-1.00	2.20									
35	2.30	0.30	1.70	8.92	0.40	7.09	0.00	0.00	0.00	0.80	1.10									
36	2.00	-0.00	1.70	10.22	0.20	5.79	0.50	0.50	3.20	3.40	0.10									
37	1.90	-0.30	0.40	10.89	0.20	4.99	1.50	1.50	4.61	4.91	-0.50									
38	2.10	-0.80	0.10	10.48	0.10	3.20	3.21	3.21	6.01	7.13	-1.70									
39	1.60	-1.50	1.10	9.46	-0.30	1.30	5.81	5.81	6.79	9.52	-2.00									
40	1.20	-1.80	2.30	7.89	-0.50	0.70	7.01	7.01	6.79	10.60	-2.00									
41	0.20	-1.80	3.90	6.39	-0.70	0.70	8.42	8.42	6.19	10.69	-1.60									
42	-0.00	-1.80	5.10	4.80	-1.10	0.20	9.51	9.51	5.39	10.08	-1.40									
43	-0.40	-1.80	5.80	3.90	-0.10	0.10	10.07	10.07	3.60	8.98	-1.50									
44	-0.70	-1.90	5.59	3.00	-0.10	0.10	8.77	8.77	1.80	7.68	-1.80									
45	-0.80	-2.00	4.60	2.70	-0.40	0.00	6.87	6.87	1.20	6.09	-1.10									
46	-0.80	-1.40	4.00	2.70	0.00	0.90	4.19	4.19	1.70	4.90	-1.10									
47	-0.50	-0.40	2.70	2.70	0.30	2.30	0.40	0.40	1.80	4.30	-1.10									
48	-0.10	0.90	0.40	2.40	0.20	3.40	-1.70	-1.70	0.90	3.20	-1.00									
49	0.80	2.50	-0.50	1.80	-0.40	4.00	4.00	4.00	0.10	2.20	-1.00									
50	3.10	3.30	-1.70	1.40	-1.20	4.20	-1.60	-1.60	0.60	1.30	-1.00									

RECORD=S=634 COMPONENT=N=S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6100

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	-0.80	-0.40	5.91	-2.20	0.20	0.90	1.80	-3.60	2.00	9.31
2	-0.50	0.70	7.61	-0.70	-0.70	1.50	2.00	-3.60	2.20	9.78
3	-0.50	1.90	8.21	-2.40	-1.80	3.10	2.90	-3.50	2.10	8.68
4	-0.70	2.70	8.60	-1.80	-3.40	3.90	3.60	-3.40	1.60	7.59
5	-0.90	2.80	8.49	-1.40	-3.70	4.60	4.60	-3.80	2.30	6.39
6	-1.00	2.80	7.58	-0.70	-3.60	5.10	4.90	-4.90	3.20	4.69
7	-0.90	2.50	5.99	-0.20	-4.00	5.20	5.30	-5.40	3.70	2.70
8	-0.60	2.10	5.10	-0.60	-4.30	4.50	5.40	-6.01	4.50	-0.00
9	-0.30	1.60	4.40	-0.60	-4.70	4.50	5.60	-7.01	5.00	-2.30
10	0.	1.40	3.70	-1.00	-5.00	3.60	5.60	-8.01	5.81	-2.30
11	0.00	1.20	3.30	-1.10	-5.00	2.60	5.60	-8.41	6.91	-3.90
12	-0.20	0.40	3.50	-1.50	-4.80	2.20	5.39	-8.78	8.21	-4.70
13	-0.00	-0.20	3.60	-2.30	-4.20	1.70	4.40	-7.60	9.09	-5.50
14	-0.60	-1.00	4.20	-1.60	-3.40	1.10	3.50	-7.28	8.39	-5.80
15	-1.50	-1.40	4.60	-5.40	-2.20	0.50	2.40	-5.29	7.59	-6.39
16	-2.30	-2.30	4.90	-5.99	-0.40	0.50	0.00	-3.70	6.99	-5.20
17	-3.00	-2.40	5.30	-4.80	0.90	0.50	-1.10	-2.50	6.50	-4.70
18	-3.10	-2.60	5.60	-4.00	2.70	0.60	-2.20	-0.60	6.30	-4.20
19	-2.50	-2.30	5.60	-2.70	4.31	0.80	-3.40	1.00	6.20	-3.40
20	-2.10	-1.80	5.00	-2.30	5.60	1.00	-4.20	1.60	6.10	-3.00
21	-0.70	-1.50	4.50	-1.00	6.31	1.20	-4.90	3.40	5.50	-2.70
22	-0.10	-0.40	4.30	0.40	6.90	1.30	-5.30	4.31	4.80	-3.10
23	0.90	0.30	4.10	0.80	6.89	1.50	-5.60	6.30	4.00	-3.70
24	1.50	1.50	3.90	1.00	5.79	1.40	-5.81	6.61	3.30	-2.70
25	2.40	2.30	4.00	1.00	4.40	1.50	-6.80	7.62	2.10	-2.00
26	4.20	3.10	3.90	1.50	4.20	1.00	-6.89	9.00	0.70	-1.70
27	4.80	3.80	3.90	2.30	3.90	0.50	-5.50	9.09	-1.40	-1.70
28	5.20	2.30	3.70	3.10	3.10	0.50	-4.80	8.69	-2.90	-1.60
29	5.20	1.20	3.20	3.70	2.60	0.20	-3.99	8.29	-4.10	-1.40
30	4.60	0.10	2.40	4.50	2.80	0.10	-1.40	7.69	-3.70	-1.10
31	3.90	-0.80	1.50	5.40	3.20	0.10	-0.60	6.99	-3.20	-1.10
32	2.90	-2.50	1.20	6.00	3.70	0.10	1.10	5.99	-2.60	-2.20
33	2.50	-2.70	1.10	5.69	4.20	0.	1.60	4.10	-1.90	-3.10
34	2.30	-3.60	1.10	4.60	5.00	-0.30	2.00	3.30	-1.30	-3.60
35	2.10	-3.80	1.10	3.80	5.60	-0.50	1.30	0.70	-0.80	-4.91
36	2.00	-3.60	1.10	2.60	5.70	-0.50	1.30	0.00	0.40	-6.40
37	1.80	-3.40	1.10	0.80	5.70	-0.80	0.30	0.20	0.40	-6.59
38	1.90	-3.00	1.10	1.60	5.70	-0.90	-0.60	0.90	0.90	-5.99
39	2.20	-2.90	1.40	2.80	5.50	-1.20	-1.00	1.10	1.00	-5.00
40	1.80	-2.70	1.80	4.70	5.20	-2.00	-1.40	1.20	1.50	-4.30
41	1.10	-2.40	2.00	-5.20	4.80	-2.40	-1.30	1.50	1.30	-3.70
42	0.40	-2.00	2.10	-5.09	4.20	-2.90	-1.40	1.70	0.40	-2.00
43	-0.00	-1.10	2.20	-4.00	3.60	-3.40	-1.80	2.00	0.00	0.60
44	-0.40	-0.60	2.50	-3.20	2.50	-3.50	-2.40	1.90	-0.20	2.70
45	-0.80	-0.20	1.90	-1.50	1.40	-3.70	-2.40	1.10	-0.40	3.40
46	-1.60	0.10	1.10	0.20	0.10	-3.40	-1.90	0.60	1.10	3.20
47	-2.00	0.10	0.60	1.40	-0.60	-1.90	-1.40	0.60	0.60	3.20
48	-2.40	1.50	0.60	2.20	-0.70	-1.20	-2.20	0.10	4.11	1.90
49	-2.00	3.30	-1.40	1.70	-0.50	-0.20	-2.80	0.60	6.01	1.60
50	-1.00	4.81	-1.80	1.20	0.30	0.40	-3.30	1.20	7.32	1.40

RECORDS=634	COMPONENT=N+S	SIGNAL=GR.ACC.	CORRECTION=ARC.ERR.	STATION=KUSHTRO-S						
DATE AND TIME=1971-08-02-16-25	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	1.40	-5.41	-2.60	6.81	3.59	-1.20	8.12	-0.10	-4.60	2.50
2	1.80	-6.71	-2.20	7.40	1.60	-1.40	9.82	1.00	-3.80	-0.10
3	1.80	-7.59	-1.20	7.79	0.30	-1.40	11.01	2.40	-3.10	-0.20
4	1.80	-7.08	-0.40	7.19	-1.10	-1.10	11.19	3.50	-2.10	-0.20
5	1.80	-5.58	0.90	6.07	-2.10	-0.40	10.65	4.30	-1.20	0.60
6	0.90	-2.40	1.60	2.90	-2.20	0.00	8.69	3.80	-0.70	1.50
7	-0.00	0.30	1.90	1.30	-2.10	0.20	7.96	3.80	-0.20	2.60
8	-1.10	2.60	1.80	-1.70	-2.00	0.90	5.30	3.00	0.40	3.80
9	-2.10	4.92	2.10	-6.72	-3.10	1.40	5.21	2.70	0.50	5.01
10	-3.20	8.15	2.50	-8.91	-3.50	2.30	6.11	2.10	0.60	6.02
11	-4.60	11.34	2.40	-9.69	-3.80	2.50	7.11	1.70	0.60	8.02
12	-4.80	12.70	2.30	-9.17	-4.00	2.80	7.61	1.10	0.60	9.43
13	-4.30	12.77	2.00	-7.38	-3.80	3.30	8.41	-1.30	0.60	11.02
14	-3.50	11.76	1.50	-5.58	-3.00	3.30	8.91	-2.70	-0.10	11.90
15	-2.60	10.48	1.10	-3.19	-1.60	2.80	9.19	-3.90	-0.10	11.88
16	-1.70	9.48	0.60	-0.80	-0.70	2.70	8.60	-5.41	-0.10	11.07
17	1.10	8.38	-0.00	1.30	1.50	1.80	8.39	-6.41	-0.50	9.95
18	2.10	7.29	-0.40	4.11	2.90	0.50	7.99	-7.00	-0.90	7.69
19	4.20	6.38	-0.80	6.73	4.71	-2.00	7.29	-7.19	-1.00	7.58
20	5.20	3.90	-1.50	10.35	6.01	-3.40	6.30	-6.38	-1.20	4.88
21	4.80	3.10	-1.60	12.43	7.10	-4.00	6.20	-4.59	-1.20	0.80
22	4.50	1.10	-2.30	13.20	7.40	-5.30	5.90	-2.90	-1.50	-0.40
23	3.99	-0.50	-2.70	13.29	7.49	-6.00	5.60	-1.40	-1.70	0.00
24	2.50	-2.30	-2.70	13.06	-5.69	-5.69	5.50	0.00	-1.60	0.60
25	-0.50	-3.80	-2.60	11.97	-3.99	-4.39	5.20	0.80	-1.40	0.70
26	-2.00	-4.40	-2.00	10.88	2.40	-2.80	5.00	0.80	-0.70	0.70
27	-4.01	-4.20	-1.10	10.17	-0.90	-0.50	5.10	0.50	-0.10	0.70
28	-5.50	-4.00	-0.10	8.68	-1.30	1.10	5.20	-0.20	0.30	0.20
29	-3.60	-3.20	0.30	7.19	-2.60	5.10	5.40	-1.40	1.30	-0.40
30	-5.79	-2.50	0.40	6.18	-4.10	4.70	5.80	-2.40	2.20	-0.40
31	-4.90	-1.20	0.70	3.60	-4.90	5.50	5.60	-4.31	2.60	-0.40
32	-4.20	0.00	0.80	1.90	-5.61	5.70	5.20	-6.00	2.80	-0.70
33	-3.90	2.30	0.90	0.50	-6.91	5.09	4.60	-6.40	2.80	-1.70
34	-2.80	3.50	0.50	-0.00	-8.21	3.80	3.80	-6.19	2.80	-2.60
35	-2.80	4.91	0.40	-0.40	-9.00	2.40	3.70	-5.29	2.90	-3.80
36	-1.00	6.00	-0.30	-1.00	-9.09	-1.50	3.50	-3.99	3.50	-4.60
37	-1.00	6.40	-0.30	-1.10	-8.69	-1.60	3.20	-1.80	3.90	-5.00
38	2.10	6.89	-0.70	-0.60	-7.99	-1.60	2.60	-0.20	4.30	-5.40
39	3.00	6.40	-1.20	0.50	-7.49	-0.70	2.00	1.60	5.21	-5.70
40	4.91	6.00	-1.50	1.10	-6.69	-0.40	1.50	2.80	6.41	-5.50
41	6.01	5.40	-1.70	2.80	-5.69	0.00	1.10	3.10	7.71	-5.40
42	6.81	4.70	-1.80	3.80	-4.49	0.00	0.50	2.70	8.72	-4.80
43	8.10	4.40	-1.60	4.91	-1.50	-0.10	-0.00	1.30	9.93	-4.50
44	8.09	3.60	-0.60	6.52	-0.90	-0.90	-0.20	-1.50	11.31	-4.00
45	7.29	2.40	0.60	8.42	0.90	-0.90	-0.50	-2.80	11.79	-3.00
46	6.58	1.60	1.50	9.79	0.30	-0.60	-0.80	-4.60	11.38	-2.00
47	4.49	-0.00	2.80	9.37	-0.50	0.50	-1.20	-5.40	10.78	-1.00
48	2.30	-1.40	3.80	7.58	-0.70	2.50	-2.20	-5.80	9.75	-0.20
49	-0.30	-2.10	4.61	6.19	-0.60	4.41	-2.00	-6.79	7.30	-0.70
50	-3.40	-2.60	5.81	4.69	-0.80	6.12	-1.40	-5.10	6.86	1.20

RECORD=S=634
DATE AND TIME=1974-08-02-16-25
COMPONENT=N=S
SIGNAL=GR,ACC,
CORRECTION=ARC,ERR,
FORMAT NO.=301
STATION=KUSHIRO-S
TOTAL NUMBER OF DATA= 6000

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	1.70	1.10	1.120	1.20	-1.70	-7.39	0.00	1.00	1.50	-2.60
2	2.50	0.20	1.00	1.70	-2.40	-6.90	0.40	1.70	1.20	-2.00
3	2.00	-0.60	-0.90	1.70	-2.70	-6.48	0.60	1.30	0.50	-2.00
4	1.00	1.00	0.70	0.80	-3.00	-4.00	1.30	0.80	0.00	-1.60
5	0.50	-1.90	0.10	0.00	-3.60	-2.79	2.30	0.60	-0.60	-0.80
6	0.50	-2.40	1.00	0.70	-4.10	0.90	3.00	0.10	-1.10	0.40
7	1.50	-2.60	1.30	1.80	-4.40	3.30	4.00	0.20	-1.20	1.50
8	2.60	-2.40	1.30	2.40	-4.40	4.60	4.81	0.20	1.20	2.40
9	2.90	-1.50	1.30	2.40	-5.50	5.50	5.91	0.40	0.70	3.60
10	2.80	-0.70	1.40	2.40	-2.60	5.00	6.81	0.30	0.20	4.61
11	2.70	-0.30	1.30	1.90	-1.40	5.90	7.40	1.60	0.20	5.80
12	2.80	0.00	1.30	1.40	0.80	5.90	7.20	2.70	0.20	6.30
13	2.10	0.40	1.40	1.00	2.30	5.90	6.80	3.40	0.20	6.20
14	1.00	0.60	2.00	-0.10	3.50	5.40	6.49	3.80	0.30	6.19
15	-0.20	1.00	2.60	0.70	4.60	5.00	5.59	2.70	0.60	5.49
16	0.30	0.20	2.80	1.40	4.70	4.50	4.29	2.00	1.00	4.50
17	1.00	-0.80	2.80	-2.60	4.40	3.90	2.00	1.20	1.40	3.40
18	1.50	-1.10	2.90	-3.20	3.70	3.50	-0.20	0.60	-1.60	1.90
19	2.50	-1.00	2.40	-3.70	2.80	3.00	1.80	0.00	-1.60	-0.20
20	2.50	-0.60	2.00	-4.00	2.20	2.20	3.60	0.60	-1.70	-1.80
21	2.70	0.00	0.70	-4.00	1.40	1.30	-5.31	1.00	-2.00	-3.00
22	2.90	0.40	-1.00	-4.00	0.50	1.00	6.40	1.00	-2.40	-3.50
23	2.40	1.00	-2.30	-3.70	0.40	1.50	-6.70	0.70	-2.40	-3.70
24	1.40	3.50	2.70	-3.20	1.00	1.90	-6.70	0.30	-2.50	-4.50
25	0.50	0.50	2.00	-2.90	1.40	2.50	-6.69	0.20	-2.00	-5.11
26	0.20	0.40	0.70	-2.70	1.40	2.50	-5.79	0.20	-1.60	-6.00
27	-0.00	0.70	0.20	-2.70	0.60	2.10	-4.90	0.80	-1.50	-6.61
28	0.30	-1.60	1.00	-2.70	0.00	1.50	-4.30	1.10	-1.20	-7.21
29	0.50	-2.40	2.40	-2.40	0.00	0.70	-3.90	2.00	-0.70	-8.20
30	0.60	-2.90	3.20	-1.70	0.20	0.30	-3.40	3.00	0.20	-8.19
31	1.00	-3.60	3.50	-1.50	0.20	-1.30	-2.80	3.90	-0.20	-7.79
32	-1.40	-4.40	4.20	-1.00	0.40	-2.40	-2.20	5.20	1.10	-6.78
33	-1.70	-4.00	4.50	-0.50	0.80	-3.50	-1.60	5.90	3.20	-5.19
34	-2.20	-2.60	4.60	0.40	1.40	-4.40	-1.50	5.90	4.10	-3.70
35	-2.20	-1.60	4.60	0.30	1.80	-4.30	-1.50	5.39	4.60	-2.30
36	-1.30	-0.80	4.70	0.20	2.40	-3.80	-1.50	4.19	5.40	-1.10
37	-0.60	0.40	4.70	0.30	3.50	-3.60	-1.30	2.50	6.10	-0.30
38	0.00	1.70	4.90	0.40	4.50	-3.00	-0.30	0.30	6.60	-0.30
39	0.80	2.60	5.10	0.80	4.50	-2.80	0.70	1.70	6.59	-0.40
40	1.50	2.70	5.30	1.10	4.60	-2.70	1.30	3.50	5.79	-1.00
41	2.10	2.20	5.20	1.70	4.40	-2.80	2.10	4.10	4.89	-1.50
42	2.30	1.40	5.40	2.40	3.70	-2.80	2.20	3.70	3.60	-0.90
43	2.50	0.40	5.70	3.10	2.80	-3.30	2.20	3.00	2.40	-0.20
44	2.70	0.10	5.70	3.10	1.50	-3.30	2.20	3.00	2.40	0.40
45	3.10	-0.10	5.50	2.50	0.60	-2.90	2.00	1.40	0.90	1.20
46	3.30	0.10	5.19	1.70	-0.70	-2.30	1.50	0.60	-2.20	2.00
47	3.50	-0.60	3.80	1.20	-3.70	-1.30	1.20	0.40	-3.60	2.70
48	3.30	-1.00	2.40	0.50	-5.11	-0.60	0.90	1.10	-3.70	2.70
49	2.90	-1.10	1.10	0.30	-6.21	-0.30	0.40	1.40	-3.20	2.70
50	2.20	-1.20	0.40	-0.70	-7.40	-0.20	-0.30	1.50	-3.00	2.30

RECORD=5=634 DATE AND TIME=1974-08-02-16-25	COMPONENT=N=S	SIGNAL=GR,ACC, INTERVAL= 0.010(SEC)	CORRECTION=ARC,ERR, FORMAT NO.=301	STATION=KUSHIRO-S	TOTAL NUMBER OF DATA= 6000					
NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	0.60	13.84	9.35	6.65	-24.01	-4.86	-15.78	32.82	-35.49	39.86
2	1.40	10.11	6.58	12.56	-25.89	-17.56	-22.70	33.97	-35.20	44.62
3	2.60	5.88	4.49	20.37	-23.46	-27.89	-23.94	34.13	-35.36	47.49
4	3.20	2.70	3.20	27.38	-19.01	-33.80	-20.90	33.80	-35.80	47.23
5	1.80	0.30	2.50	35.11	-14.20	-33.19	-15.70	33.29	-35.56	44.29
6	0.20	1.10	2.50	41.52	-9.64	-29.95	-8.40	32.12	-34.22	40.01
7	2.30	1.40	2.40	46.46	-6.48	-23.97	-2.09	29.38	-31.50	36.77
8	4.10	1.50	3.00	49.89	-4.29	-18.35	9.46	24.04	-27.69	32.80
9	5.41	1.20	4.20	51.20	-2.00	-12.35	17.93	17.67	-21.07	27.46
10	6.92	2.20	4.81	48.71	-1.00	-5.06	24.42	12.80	-15.73	19.91
11	8.61	3.60	6.11	43.42	-1.80	2.21	30.74	4.46	-10.87	12.21
12	9.20	5.11	7.21	35.42	-3.71	9.02	38.22	-5.79	-5.98	3.58
13	9.19	7.13	8.30	23.93	-6.22	16.17	43.54	-18.54	-2.99	-3.11
14	8.58	10.08	8.29	12.63	-8.50	22.94	47.16	-31.81	0.10	-8.78
15	7.06	13.80	7.67	-0.50	-8.47	28.63	50.13	-45.90	2.60	-13.44
16	3.59	16.31	5.58	-11.87	-6.55	31.62	52.27	-57.86	4.40	-17.00
17	0.20	18.27	3.29	-21.16	-1.40	31.32	54.10	-64.62	4.60	-16.92
18	3.30	19.14	0.40	-31.08	6.35	29.44	55.29	-83.06	4.20	-15.53
19	4.20	18.10	-2.20	-40.77	12.20	26.90	56.21	-98.53	3.10	-12.50
20	4.19	13.84	-4.00	-48.76	18.53	23.80	57.06	-130.18	1.20	-9.25
21	2.79	7.75	-4.00	-55.87	23.47	20.58	57.30	-146.87	0.10	-6.58
22	0.80	-3.73	-3.10	-58.16	28.35	16.94	56.42	-140.56	-0.20	-3.99
23	5.33	13.73	-1.60	-56.72	32.26	9.25	52.94	-135.23	0.90	-0.50
24	9.79	24.79	1.40	-52.41	34.52	1.19	45.62	-130.27	4.11	2.50
25	14.18	-32.70	5.52	-45.95	32.16	-20.00	35.45	-127.27	7.97	3.80
26	18.34	-37.92	9.39	-38.23	26.52	-33.46	23.70	-124.65	12.89	3.70
27	20.20	-38.32	14.52	-29.85	18.48	-48.49	10.13	-122.07	18.32	2.30
28	21.30	-35.68	19.32	-20.66	7.09	-61.30	-1.40	-119.87	22.70	0.70
29	21.10	-32.31	22.07	-10.27	3.52	-68.04	-11.73	-117.14	25.14	-1.40
30	18.95	-28.37	24.73	-0.30	-12.76	-66.14	-19.31	-112.96	25.29	-3.40
31	15.75	-23.72	27.14	8.08	-17.31	-60.32	-19.36	-6.44	24.31	-4.00
32	12.98	-18.61	28.31	14.00	-17.31	-52.62	-18.81	0.10	21.72	-4.00
33	9.65	-16.02	27.53	16.41	-15.88	-42.90	-17.61	7.28	16.42	-2.90
34	7.39	-12.87	25.19	16.40	-13.57	-31.59	-16.37	14.03	13.22	-1.00
35	6.19	-9.32	22.18	14.62	-10.36	-19.67	-15.90	19.70	8.50	0.70
36	4.39	-5.18	18.24	12.85	-8.50	-16.49	-15.90	24.67	2.39	3.00
37	2.80	-2.30	13.26	11.37	-8.50	5.46	-15.86	28.87	-4.22	5.10
38	1.00	1.50	7.08	10.19	-8.61	14.95	-15.12	30.46	-9.50	3.99
39	1.30	6.63	-3.52	9.70	-9.10	24.66	-13.51	29.02	-14.64	4.79
40	3.41	10.17	-12.21	9.50	-8.98	31.82	-11.14	23.84	-17.53	2.30
41	5.82	13.52	-18.97	9.59	-7.76	35.81	-8.76	15.19	-1.60	-1.00
42	8.03	16.54	-23.81	8.68	-5.18	39.97	-6.07	7.30	-36.27	-4.41
43	10.26	18.95	-26.82	7.27	-1.40	43.96	-2.49	-1.30	-12.23	-7.64
44	13.11	20.81	-26.63	4.58	4.42	45.21	3.31	-12.17	-7.04	-11.05
45	16.09	21.81	-24.65	1.10	8.66	43.30	8.06	-20.87	-1.60	-13.13
46	17.76	20.91	-21.29	-2.81	12.27	39.72	12.69	-28.41	5.15	-14.43
47	18.60	19.85	-13.04	-5.83	14.51	34.77	18.26	-34.41	14.41	-15.00
48	18.56	18.04	-13.03	-9.80	14.50	27.33	23.58	-36.33	21.71	-15.10
49	17.98	15.74	-5.77	-14.60	12.15	17.20	28.36	-35.90	28.03	-15.02
50	-16.26	12.68	-0.90	-19.19	4.46	-2.92	30.99	-35.82	33.85	-15.40

RECORD=5=634 COMPONENT=N+S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KUSHIRO=S
 DATE AND TIME=1974-08-02-16-25 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	-15.40	-26.14	0.20	-11.24	12.86	5.21	-10.53	1.10	-6.52	12.18
2	-15.87	-33.91	2.91	-12.72	14.66	7.22	-7.66	-0.70	-8.73	14.58
3	-14.84	-35.58	6.34	-13.45	16.06	9.23	-4.79	-0.20	-10.54	16.24
4	-13.47	-34.59	11.46	-14.91	17.04	11.03	-2.30	2.10	-12.03	16.96
5	-10.11	-32.54	17.38	-17.29	17.70	12.33	-1.00	5.83	-13.00	17.90
6	-6.16	-28.87	21.69	-20.38	17.67	13.00	-1.00	9.88	-13.10	17.89
7	-1.20	-24.78	24.58	-23.59	17.14	13.00	-1.40	13.82	-13.09	17.71
8	6.56	-19.43	26.76	-25.90	16.16	12.88	-1.40	16.85	-12.78	16.25
9	12.93	-12.82	28.20	-27.10	13.68	12.35	-1.20	19.31	-12.17	13.56
10	19.59	-7.65	27.87	-26.84	10.64	10.85	-0.80	20.60	-11.26	10.02
11	25.72	-4.39	25.96	-24.71	8.26	8.88	-0.20	20.59	-9.95	6.16
12	30.94	-1.20	24.34	-19.60	5.49	6.38	0.40	20.43	-7.66	1.80
13	34.23	-0.00	23.11	-15.73	3.50	3.69	1.40	19.63	-4.88	-4.01
14	33.58	-1.20	22.29	-17.33	2.50	0.80	2.90	18.67	-1.20	-7.76
15	30.24	-4.62	21.28	-14.20	3.20	-3.41	4.41	16.86	2.60	-12.29
16	25.13	-9.31	20.10	-9.71	4.51	-8.04	6.51	14.52	5.21	-18.30
17	19.83	-15.59	18.83	-6.82	5.91	-11.15	7.71	10.52	6.80	-23.88
18	13.28	-23.53	16.58	-8.90	7.60	-12.91	8.70	7.36	6.79	-27.71
19	2.89	-31.86	12.91	-8.88	7.70	-13.07	8.69	4.19	5.88	-29.84
20	-3.81	-38.95	10.46	-7.87	7.69	-12.36	7.88	0.30	3.19	-29.70
21	-6.83	-44.22	9.62	-5.27	7.20	-11.06	6.18	-4.82	-0.00	-27.80
22	-9.72	-46.76	10.67	-2.73	6.80	-9.54	4.29	-9.36	-2.80	-24.31
23	-10.50	-47.30	13.61	-0.48	6.80	-6.66	2.20	-12.77	-4.00	-20.54
24	-10.47	-46.78	19.17	-12.48	6.50	-2.39	1.00	-14.66	-4.00	-16.67
25	-9.13	-45.68	25.27	-21.16	6.50	1.70	0.30	-15.08	-2.70	-12.96
26	-5.19	-44.31	30.33	-29.39	6.10	5.72	-0.30	-17.43	-1.10	-9.16
27	-2.69	-42.72	34.70	-35.38	5.60	9.02	-0.30	-17.81	0.90	-7.19
28	0.90	-40.29	38.32	-40.00	5.20	9.99	0.00	-17.87	3.31	-6.09
29	4.01	-36.87	39.97	-43.42	4.50	9.69	0.60	-17.41	5.51	-4.59
30	7.124	-33.03	39.24	-43.57	3.49	8.99	0.70	-16.03	7.75	-2.70
31	11.110	-28.64	35.59	-40.19	1.30	8.39	0.40	-14.73	11.37	-1.10
32	15.11	-24.18	29.48	-34.65	-1.00	7.89	-0.40	-13.24	13.88	0.20
33	19.36	-20.88	24.44	-28.40	-3.10	7.18	-1.80	-11.53	15.76	1.00
34	22.63	-17.52	20.29	-22.42	-5.52	5.68	-2.40	-8.95	16.90	0.80
35	25.74	-13.37	16.93	-16.92	-8.22	2.50	-2.10	-5.77	16.90	0.50
36	28.81	-7.64	14.27	-12.52	-9.59	1.50	-1.30	-2.20	16.86	-0.70
37	31.03	-3.19	13.69	-10.27	-9.49	0.70	-0.30	0.30	16.18	-2.20
38	32.34	1.90	13.40	-8.98	-9.19	-0.30	1.10	2.50	13.97	-4.31
39	32.50	6.14	13.40	-8.09	-8.38	-1.50	2.50	3.20	11.01	-7.46
40	32.43	10.95	13.37	-7.39	-6.98	-3.81	4.61	3.20	7.46	-12.76
41	31.94	12.98	12.67	-6.89	-5.49	-8.62	7.63	2.70	3.99	-14.42
42	30.66	12.46	11.74	-5.79	-4.39	-8.64	9.84	1.90	2.00	-14.80
43	28.91	11.12	9.67	-4.39	-1.70	-11.07	11.61	1.30	1.30	-14.88
44	26.64	8.24	7.97	-2.30	0.50	-13.71	11.80	0.70	0.60	-14.34
45	23.04	5.99	5.58	0.00	2.60	-16.48	11.76	0.20	0.50	-12.95
46	14.54	3.19	3.10	3.10	3.50	-17.70	10.58	-0.00	0.50	-11.65
47	6.92	1.40	0.20	4.31	3.60	-17.70	9.88	-0.40	1.10	-10.04
48	-0.30	-2.20	-3.71	6.02	3.20	-17.63	8.76	1.40	2.60	-7.43
49	-8.74	-2.30	-7.33	8.44	3.20	-16.57	6.18	-2.80	5.52	-1.60
50	-17.72	-1.60	-9.63	11.15	3.60	-14.33	3.29	-4.71	8.66	0.50

RECORD=S=634 COMPONENT=N=S SIGNAL=R,ACC. CORRECTION=ARC,ERR. STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL= 0.010(SEC) FORMAT NU.=301 TOTAL NUMBER OF DATA= 6000

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	0.70	3.80	2.80	3.30	-1.20	6.48	3.10	14.44	10.82	-7.13
2	-0.40	3.70	2.90	-4.40	-0.90	4.39	2.50	-17.65	11.52	-10.38
3	-0.40	3.90	4.41	5.21	0.00	1.80	1.80	-19.83	12.22	-13.96
4	0.50	4.10	6.52	6.21	1.10	-0.20	1.20	-20.07	12.91	-15.41
5	1.90	4.40	8.44	7.11	1.90	-2.50	0.70	-19.66	13.20	-15.61
6	3.00	3.90	10.87	8.11	2.50	-4.91	0.70	-19.14	13.20	-15.70
7	4.40	2.70	13.80	8.90	2.40	-6.60	0.90	-18.31	13.20	-15.88
8	5.51	0.150	16.27	8.89	1.50	-6.60	1.60	-17.15	13.30	-15.29
9	6.71	-6.81	17.40	8.58	0.50	-6.60	1.90	-16.33	13.33	-15.05
10	8.12	-6.76	17.37	7.59	0.60	-6.19	2.10	-15.02	14.05	-14.00
11	9.21	-12.53	16.89	6.49	-1.60	-5.19	2.30	-13.43	15.17	-11.62
12	9.71	-16.59	15.02	4.99	-2.60	-4.09	2.50	-11.65	16.67	-8.94
13	10.32	-19.67	11.30	3.40	-3.20	-1.00	3.00	-9.76	17.90	-5.58
14	11.12	-20.46	7.55	1.70	-3.20	0.80	3.90	-7.98	19.30	-3.20
15	12.02	-20.01	3.89	0.70	-2.40	2.50	4.40	-6.29	20.48	-1.50
16	12.72	-18.98	0.20	3.40	-0.50	4.71	4.50	-5.70	21.32	-0.90
17	13.33	-17.48	1.60	5.21	2.00	6.31	4.50	-5.00	21.51	-1.00
18	14.02	-15.75	-3.80	7.11	4.21	7.00	4.10	-4.20	21.57	-1.70
19	14.40	-14.90	-4.30	8.42	6.51	7.00	4.00	-3.30	21.26	-4.31
20	14.30	-14.91	-4.30	9.63	7.20	6.59	4.30	-2.20	20.83	-7.60
21	14.30	-15.24	-4.00	11.02	7.09	5.99	5.00	0.10	19.97	-15.54
22	14.41	-16.06	-3.20	12.84	6.08	4.29	5.70	2.50	18.43	-20.35
23	14.62	-17.05	-2.30	13.03	3.69	2.70	6.00	4.20	16.12	-24.00
24	15.02	-17.79	-3.61	14.50	1.00	0.60	6.00	4.60	12.91	-23.87
25	15.150	-17.64	-4.40	16.49	-4.51	-5.22	4.99	3.20	10.43	-22.66
26	15.52	-16.72	-6.42	18.18	-7.03	-7.82	3.90	1.60	7.65	-20.39
27	15.86	-15.30	-9.25	19.18	-9.63	-9.39	2.70	0.50	3.39	-17.04
28	16.94	-10.58	-11.70	21.55	-11.12	-8.99	1.50	-1.10	-1.10	-14.49
29	17.60	-9.50	-11.17	22.50	-11.70	-8.28	0.60	2.50	-4.31	-12.12
30	17.48	-8.21	-10.06	23.69	-11.70	-6.88	0.60	4.41	-6.63	-9.44
31	17.48	-7.50	-8.27	24.18	-11.69	-6.99	-0.40	6.21	-10.03	-6.08
32	15.53	-6.49	-6.49	24.78	-11.70	-6.99	-1.80	7.50	-11.40	-3.00
33	10.40	-5.11	-5.27	25.28	-11.17	-3.60	-3.20	7.50	-11.39	-1.30
34	5.97	-4.19	-4.49	25.59	-10.16	-2.30	-4.40	7.39	-10.96	-0.20
35	2.69	-3.49	-4.10	26.10	-8.16	-1.40	-5.50	6.79	-9.37	0.60
36	-1.50	-2.69	-3.70	26.80	-5.99	-1.60	-5.90	5.98	-7.57	0.60
37	-5.20	-1.50	-3.60	-2.80	-3.60	-2.00	-5.90	4.00	-4.99	0.60
38	-5.120	4.69	4.30	-3.20	-2.00	-2.80	-5.59	2.70	-3.00	-0.00
39	-5.00	1.90	-5.20	-3.20	0.30	-4.01	-4.69	0.80	-0.80	-0.50
40	-4.29	0.50	-2.70	-2.70	2.80	-5.60	-3.60	0.50	2.20	-0.80
41	-2.40	0.50	-6.20	-1.20	5.21	-5.90	-2.60	1.80	4.41	-1.00
42	1.20	0.70	-6.19	0.80	7.21	-5.29	-1.60	2.80	6.41	-1.00
43	5.22	1.20	-5.19	2.10	8.42	-4.29	-0.90	4.21	7.00	-1.80
44	8.45	1.40	-4.10	2.40	9.51	-2.70	0.90	5.71	7.00	-2.90
45	11.84	1.90	-3.60	2.40	10.20	-0.60	0.80	7.21	7.00	-4.00
46	13.27	2.70	-2.70	1.80	10.20	1.10	-1.60	8.31	6.98	-5.01
47	12.55	3.10	-2.00	0.80	10.19	2.80	-2.80	9.01	4.98	-6.70
48	11.03	3.20	-1.70	0.10	10.88	3.60	-4.92	9.31	2.10	-6.70
49	8.46	-2.00	-0.80	-0.80	9.08	3.60	-8.86	9.61	-1.00	-6.70
50	6.18	2.60	-2.40	-1.20	7.88	3.60	-12.27	10.02	-4.01	-6.40

RECORD=S-634 COMPONENT=N+S SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	45.99	4.30	8.83	9.82	3.10	-0.10	6.20	-1.20	7.40	0.90
2	4.79	4.30	10.65	10.81	5.50	-1.10	-5.90	-1.50	7.40	0.10
3	3.40	4.20	12.74	11.40	5.90	-2.50	5.30	-1.20	7.39	-1.20
4	2.10	3.90	13.93	11.39	5.59	-4.21	-4.70	0.90	6.89	-3.40
5	1.20	3.50	14.70	11.18	4.29	-5.91	-4.00	0.60	5.29	-8.55
6	3.20	2.90	14.70	10.37	2.90	-7.62	-3.00	0.20	5.60	-8.55
7	5.01	2.50	14.70	8.88	2.00	-8.91	-2.40	0.50	2.30	-11.66
8	6.30	1.50	14.69	7.98	1.10	-9.71	-2.00	1.20	0.80	-13.82
9	6.60	0.70	14.48	6.58	-0.00	-10.00	-2.00	2.20	-0.90	-14.40
10	6.60	-0.60	13.96	4.69	-1.20	-10.08	-2.00	2.20	-2.10	-14.37
11	6.50	1.40	12.96	3.60	-1.90	-8.97	-2.00	1.70	-2.90	-13.74
12	6.40	2.10	11.75	2.50	-2.60	-7.16	-2.00	1.00	-3.20	-12.34
13	6.30	2.50	10.05	1.90	-3.20	-3.59	-1.60	0.10	-3.20	-10.55
14	6.30	2.50	7.97	1.90	-3.20	-1.10	-1.30	0.60	-3.20	-8.66
15	6.31	2.60	5.58	1.80	-3.00	1.60	-0.80	1.00	-2.90	-6.27
16	7.40	2.30	2.90	1.10	-3.00	4.91	-0.20	1.60	-2.50	-3.29
17	7.39	2.00	0.50	0.40	-2.90	7.62	0.70	1.80	-0.60	-1.80
18	6.49	1.00	1.10	0.80	-2.90	9.02	1.30	2.90	-1.00	1.10
19	5.39	-0.40	2.20	0.20	-3.60	10.00	2.50	3.50	-0.30	2.60
20	4.40	0.20	2.20	0.20	5.00	10.00	3.80	4.00	0.30	4.10
21	3.60	1.40	2.20	3.60	5.91	9.96	5.30	4.00	1.00	4.90
22	2.90	2.50	2.20	3.60	7.31	8.16	5.80	4.10	1.70	4.90
23	2.30	3.30	2.20	3.20	-8.22	5.08	6.40	4.00	2.40	4.90
24	1.80	3.50	2.40	2.20	-9.61	1.70	6.80	3.60	2.50	4.50
25	1.70	2.10	2.90	1.00	-10.32	-1.70	7.10	3.20	2.40	3.60
26	2.10	0.20	3.30	0.30	-11.12	-5.11	7.20	3.30	1.90	2.60
27	3.61	2.30	3.70	1.90	-11.70	-7.01	7.30	3.00	0.90	1.90
28	5.62	5.12	3.70	3.90	-11.70	-8.30	7.30	2.80	0.50	0.60
29	8.33	9.137	3.70	5.00	-11.69	-8.40	7.30	2.50	-0.10	0.10
30	10.45	-13.12	3.70	5.00	-11.49	-8.39	7.30	2.00	-1.00	-0.20
31	12.51	-16.35	3.20	4.60	-10.98	-7.87	7.30	1.90	-2.00	-0.80
32	12.90	-18.85	2.80	4.60	-10.39	-5.98	7.09	1.90	-2.90	-1.20
33	12.98	-19.32	2.20	4.30	-9.99	-3.99	6.39	1.90	-4.00	-1.20
34	12.39	-18.25	1.60	3.60	-9.38	-2.00	5.69	2.30	4.90	-1.20
35	12.15	-16.18	1.00	3.20	-8.29	0.90	4.90	2.60	5.60	-1.20
36	10.55	-14.00	0.10	2.40	-7.59	2.80	4.20	3.30	6.20	-1.20
37	8.67	-11.51	0.10	1.20	-6.39	5.21	3.80	4.30	6.20	-1.00
38	6.57	-8.36	0.10	0.20	-5.19	6.40	3.50	5.20	6.20	-0.80
39	3.80	-5.59	0.10	0.60	-3.99	6.40	3.30	5.80	5.59	-0.50
40	2.40	-3.30	0.30	1.30	-2.30	6.30	3.20	5.129	4.59	-0.20
41	1.90	-1.70	0.60	2.70	-1.20	6.10	2.90	4.40	4.40	0.10
42	1.20	0.30	1.10	3.70	0.20	5.59	2.50	3.20	2.00	0.70
43	1.20	0.	1.80	4.50	0.20	4.49	1.80	2.40	0.10	0.70
44	1.20	-0.00	2.70	4.90	0.80	2.60	1.50	1.00	1.40	0.10
45	1.20	0.40	3.90	4.90	1.00	0.40	1.00	0.30	2.10	-0.80
46	1.50	-1.40	4.91	4.40	1.00	-1.80	0.90	1.60	2.30	-1.50
47	2.20	-2.90	6.31	3.40	1.00	-3.30	0.60	3.20	2.30	-2.60
48	2.90	-4.01	7.11	2.30	1.00	-4.40	0.00	5.01	2.30	-3.20
49	3.60	-5.61	7.91	0.90	1.00	-5.60	-0.50	6.41	2.20	-4.00
50	4.20	-7.22	8.82	1.30	0.70	-6.20	-0.80	7.40	1.90	-4.00

RECORD=S*634
DATE AND TIME=1971-08-02-16-25
COMPONENT=N-S
SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.
FORMAT NO.=301
STATION=KUSHIRO-S
TOTAL NUMBER OF DATA= 6000

NO.	(4000)	(4050)	(4100)	(4150)	(4200)	(4250)	(4300)	(4350)	(4400)	(4450)
1	-4.00	-6.21	-3.50	16.96	-18.12	12.17	-6.00	-0.20	-8.69	4.20
2	-4.00	-7.00	-2.70	14.78	-19.73	11.38	-5.80	-0.80	-8.19	5.00
3	-3.90	-7.20	-2.00	12.82	-20.10	10.67	-5.80	-1.40	-7.59	5.30
4	-3.80	-7.20	-1.00	-9.95	-20.07	9.48	-5.20	-1.80	-6.89	5.60
5	-2.50	-7.30	0.20	7.33	-19.73	8.49	-4.90	-1.80	-6.20	6.00
6	-1.20	-7.30	0.40	18.94	-18.94	8.40	-4.60	-1.80	-5.90	6.00
7	0.20	-7.10	0.90	1.70	-18.14	8.11	-4.60	-1.90	-5.40	6.00
8	1.70	-6.79	1.20	-0.20	-17.33	8.91	-4.90	-1.60	-5.90	6.00
9	4.01	-6.19	1.30	1.80	-16.23	9.32	-5.81	-1.20	-4.90	6.00
10	5.39	-5.39	1.30	6.01	-15.02	10.23	-6.71	-0.60	-4.00	5.80
11	7.01	-4.50	0.80	4.00	-13.35	11.63	-7.52	-0.10	-4.00	5.29
12	7.81	-3.40	0.10	-4.30	-11.97	12.73	-9.14	1.00	-4.20	4.40
13	8.51	-2.80	-0.20	-4.30	-10.98	13.54	-11.34	2.50	-4.40	4.20
14	9.01	-1.70	-0.60	-4.60	-10.28	14.55	-12.75	4.31	-4.70	3.90
15	9.40	-0.70	-1.20	-4.70	-9.60	15.55	-14.05	6.01	-4.80	3.70
16	9.40	0.00	-1.50	-4.70	-9.59	16.43	-15.26	7.92	-5.00	4.20
17	9.40	0.30	-2.00	-4.60	-9.19	17.00	-16.42	9.22	-5.40	4.80
18	9.20	0.50	-2.10	-4.10	-8.79	17.01	-16.82	10.22	-5.40	5.71
19	9.20	0.50	-2.10	-3.10	-8.40	17.07	-17.13	11.22	-5.40	6.63
20	9.09	0.50	-2.10	-2.30	-8.19	16.55	-17.50	11.90	-5.70	9.42
21	8.69	0.80	-2.10	-1.40	-7.69	15.77	-17.51	11.90	-5.90	10.66
22	8.19	1.40	-2.10	-1.30	-7.28	15.26	-17.59	11.90	-6.00	12.91
23	7.60	1.90	-1.80	-1.30	-6.79	14.46	-17.50	11.89	-6.41	13.81
24	7.29	2.30	-1.80	-2.20	-6.19	13.46	-17.50	11.69	-7.00	13.49
25	5.99	2.90	-1.20	-3.10	-5.29	12.47	-17.49	11.49	-7.10	13.19
26	4.69	3.40	-0.60	-4.31	-4.40	11.68	-17.26	11.18	-7.10	12.77
27	2.90	3.80	0.00	-5.91	-3.70	10.98	-16.56	10.49	-6.99	11.79
28	1.70	3.80	1.00	-7.65	-3.20	10.19	-15.96	9.98	-6.29	11.28
29	1.20	3.50	2.40	-9.72	-1.80	9.59	-15.16	9.19	-5.69	10.37
30	1.10	3.50	3.50	-10.82	-0.60	9.19	-14.28	8.69	-4.90	8.98
31	1.20	2.50	4.71	-11.71	0.60	8.90	-13.77	7.89	-4.80	7.99
32	1.50	1.60	6.01	-12.12	2.10	8.90	-12.97	7.08	-4.00	7.30
33	2.00	0.40	7.51	-12.61	3.20	8.90	-12.06	5.09	-3.70	6.90
34	2.50	-0.60	8.51	-12.80	4.30	9.00	-10.65	2.90	-3.70	6.80
35	3.40	-1.80	9.20	-12.80	5.00	8.99	-8.78	1.00	-3.70	7.30
36	4.10	-3.20	9.40	-12.91	5.50	8.49	-7.48	-0.80	-3.80	7.60
37	4.50	-5.21	9.50	-13.20	6.00	7.69	-6.19	-2.60	-3.80	7.90
38	4.70	-7.22	9.60	-13.20	6.00	6.59	-5.01	-3.80	-3.80	8.10
39	4.40	-8.63	9.60	-13.20	6.00	5.39	-3.60	-3.80	-3.80	8.30
40	4.20	-10.70	9.81	-13.08	6.20	3.80	-2.60	-3.80	-3.80	8.39
41	3.80	-10.80	10.33	-12.58	6.40	2.20	-1.40	-3.80	-3.80	7.69
42	3.30	-10.69	11.63	-11.99	6.71	0.80	-0.30	-3.80	-3.80	6.89
43	1.70	-10.29	12.67	-11.60	7.61	-0.60	0.80	-3.40	-3.40	5.79
44	0.50	-9.98	14.67	-11.71	8.81	-1.90	1.60	-3.00	-3.00	4.70
45	-0.90	-9.19	16.27	-12.11	9.53	-4.00	1.90	-2.50	-2.50	4.40
46	-2.00	-8.39	17.47	-12.52	10.83	-4.00	1.80	-2.00	-2.00	3.30
47	-2.90	-7.49	18.41	-13.14	11.92	-4.60	1.70	-1.50	-1.50	2.20
48	-4.00	-6.49	18.50	-14.35	12.60	-5.31	1.50	-1.30	-1.30	1.50
49	-4.70	-5.49	18.47	-15.46	12.60	-6.20	1.80	-1.30	-1.30	1.10
50	-5.60	-4.40	18.03	-16.68	12.59	-6.20	0.20	-1.30	-1.30	0.20

NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	1.10	2.30	2.30	7.59	3.60	-7.20	-1.00	6.40	1.90	-15.21
2	1.20	3.10	1.40	7.09	3.40	-6.80	-1.10	6.30	1.50	-15.41
3	1.40	4.00	0.50	5.99	3.40	-6.71	-1.30	6.20	1.00	-15.51
4	1.60	4.81	1.80	5.30	3.50	-7.30	-1.40	5.80	0.90	-15.61
5	1.50	6.10	2.30	4.50	4.40	-7.61	-0.70	5.70	1.40	-15.82
6	1.10	6.60	2.30	3.40	5.31	-8.10	-0.20	5.60	2.30	-16.09
7	0.80	7.10	2.20	2.30	7.21	-8.20	0.20	6.20	3.20	-15.95
8	0.40	7.30	1.90	0.20	8.22	-8.20	0.50	6.50	3.80	-15.07
9	0.26	7.30	1.70	0.20	9.64	-8.20	1.40	7.00	4.10	-14.45
10	0.10	7.10	0.90	0.40	11.75	-8.20	2.50	7.50	4.30	-13.87
11	0.20	6.90	0.40	0.30	13.36	-7.90	2.80	7.71	4.40	-12.45
12	0.50	6.90	0.00	0.20	14.95	-7.60	3.50	8.40	4.70	-11.05
13	0.80	6.80	0.60	1.10	15.93	-7.30	3.50	8.51	4.90	-9.17
14	1.10	7.20	1.60	1.90	16.40	-7.00	4.20	9.31	5.00	-7.78
15	1.30	7.80	1.90	2.40	16.39	-6.80	4.50	10.01	5.00	-6.58
16	1.30	7.50	2.10	3.30	16.16	-6.70	5.30	10.30	4.90	-4.50
17	0.90	7.50	2.00	4.40	15.32	-6.90	6.00	10.20	4.60	-3.39
18	0.70	7.60	1.40	5.21	13.78	-7.30	6.61	10.30	4.10	-0.70
19	0.60	7.80	1.00	6.31	13.26	-7.60	7.30	10.40	3.60	0.00
20	0.70	7.90	0.80	7.30	12.61	-7.71	7.61	10.50	2.50	1.80
21	1.80	8.20	0.80	7.60	10.83	-8.10	8.10	10.30	1.60	3.00
22	2.10	8.10	0.70	7.50	8.26	-8.20	8.20	10.28	0.80	3.30
23	2.50	7.80	0.60	7.20	5.79	-8.20	8.20	9.59	0.30	3.30
24	3.40	7.60	0.30	6.99	4.40	-8.20	8.20	8.88	-0.40	3.30
25	4.50	7.19	0.20	6.30	3.40	-8.50	8.10	7.89	-0.90	3.60
26	5.20	6.60	0.20	5.80	3.10	-8.60	7.80	7.19	-1.90	3.70
27	6.01	6.20	0.20	5.29	3.10	-8.80	7.50	6.39	-3.10	3.80
28	7.11	5.60	0.	4.40	2.90	-9.00	7.40	5.10	-3.80	3.80
29	8.01	5.10	0.00	3.59	2.30	-9.01	7.51	4.20	-4.00	3.90
30	8.51	4.60	0.20	3.10	2.20	-9.50	8.10	3.10	-4.40	4.20
31	9.32	4.00	0.30	2.10	2.00	-9.29	8.41	2.50	-4.80	4.40
32	10.21	3.00	0.20	1.40	1.90	-8.79	8.91	1.90	-5.40	4.70
33	10.71	2.20	0.20	1.50	1.50	-7.89	9.30	1.00	-6.00	4.70
34	11.11	1.30	0.20	1.30	1.20	-7.39	9.09	0.50	-6.30	4.70
35	11.61	0.60	0.20	1.00	1.00	-6.79	8.59	0.10	-6.50	4.70
36	12.10	0.20	0.20	0.90	0.90	-5.99	7.78	1.10	-6.50	5.00
37	11.98	0.20	0.20	0.59	0.50	-5.19	6.59	1.40	-6.60	5.10
38	11.47	0.30	0.20	4.70	0.20	-4.30	5.09	1.90	-6.90	5.30
39	10.58	0.20	0.20	4.30	0.60	-3.70	3.99	2.40	-7.10	5.40
40	9.68	0.40	0.40	3.70	-1.20	-3.20	3.30	3.30	-7.41	5.60
41	8.78	0.50	0.50	3.30	-2.30	-2.70	3.20	4.20	-8.11	5.90
42	7.57	-1.20	0.80	3.00	-3.70	-2.00	1.00	4.70	-9.12	6.20
43	5.49	-1.90	1.60	2.60	-4.20	-1.70	-2.80	5.00	-10.22	6.50
44	4.09	2.40	2.30	2.70	5.01	-1.40	4.00	5.20	-11.03	7.01
45	2.70	3.10	2.90	3.00	6.10	-0.80	5.31	4.70	-12.12	7.71
46	2.00	3.60	3.70	3.40	6.61	-0.40	6.20	4.20	-12.64	8.52
47	1.60	4.00	4.71	3.80	7.20	-0.10	6.80	3.40	-13.82	9.63
48	0.70	4.00	5.81	4.00	7.50	-0.40	7.10	2.80	-14.41	11.25
49	0.60	3.50	6.80	4.00	7.60	-0.20	7.10	2.60	-14.71	13.03
50	-1.40	3.40	7.30	3.90	-7.50	-0.60	6.80	2.20	-14.91	13.82

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	14.23	-15.43	12.83	-11.08	9.80	-6.80	7.60	-2.80	-1.20	0.90
2	15.04	-16.01	13.62	-10.40	9.80	-7.10	7.80	-3.00	-1.00	-1.10
3	15.82	-16.21	14.01	-10.30	10.00	-7.20	8.10	-3.70	-0.50	-2.10
4	16.22	-16.39	14.31	-10.09	10.10	-7.50	8.30	-4.10	-0.20	-3.00
5	16.61	-16.16	14.60	-9.80	9.99	-7.81	8.30	-4.60	0.00	-4.00
6	16.69	-15.46	14.63	-9.70	9.38	-8.11	8.40	-5.20	0.10	-4.20
7	16.69	-14.77	15.32	-9.60	8.50	-8.61	8.50	-5.60	0.10	-4.80
8	16.58	-14.16	15.61	-9.50	8.19	-9.11	8.50	-5.90	0.10	-5.40
9	16.18	-13.28	15.71	-9.40	7.49	-9.41	8.50	-6.10	0.20	-6.00
10	15.54	-12.79	15.90	-9.41	6.59	-9.71	8.50	-6.40	0.40	-6.20
11	15.54	-12.60	15.87	-9.70	5.40	-10.20	8.40	-6.50	0.50	-6.70
12	14.35	-12.49	15.33	-9.81	4.80	-10.40	8.10	-6.60	0.40	-7.10
13	13.17	-12.09	13.95	-10.10	4.50	-10.60	7.80	-6.90	0.20	-7.51
14	12.27	-11.79	12.67	-10.31	4.20	-10.60	7.50	-6.70	-0.00	-8.01
15	11.27	-11.60	11.67	-10.60	3.90	-10.49	7.10	-6.60	-0.20	-8.51
16	10.17	-11.60	10.58	-10.81	3.70	-9.99	6.80	-6.50	-0.60	-9.11
17	8.99	-11.60	9.57	-11.41	3.50	-9.39	6.50	-6.40	-0.80	-9.40
18	8.18	-11.59	8.28	-11.91	3.30	-8.69	6.20	-6.20	-0.90	-9.39
19	6.99	-11.39	6.80	-12.31	3.30	-7.99	5.80	-6.00	-1.00	-9.09
20	5.89	-10.99	6.70	-12.71	3.40	-7.60	5.60	-5.70	-0.80	-8.69
21	5.09	-10.49	6.70	-13.11	3.70	-7.20	5.20	-5.50	-0.40	-7.99
22	4.00	-9.98	6.80	-13.42	3.70	-6.89	4.40	-5.30	-0.20	-7.60
23	3.40	-9.19	7.10	-13.81	3.90	-6.09	3.30	-5.20	0.60	-7.19
24	2.70	-8.49	7.40	-14.08	4.10	-4.80	2.40	-5.00	1.40	-6.70
25	1.80	-7.69	7.50	-13.69	4.30	-4.10	2.20	-4.70	2.20	-6.20
26	0.90	-7.09	7.80	-13.39	4.30	-3.40	1.80	-4.40	2.60	-6.00
27	-0.10	-6.40	8.10	-13.07	4.10	-3.20	1.50	-4.20	2.90	-5.70
28	-0.90	-5.89	8.30	-12.25	3.90	-3.00	1.30	-4.00	3.10	-5.50
29	-1.40	-5.20	8.30	-10.76	3.60	-2.80	1.30	-3.80	3.00	-5.20
30	-1.80	-4.70	8.09	-9.27	3.30	-2.70	1.90	-3.60	2.90	-5.10
31	-2.00	-4.40	7.69	-7.68	2.70	-2.40	2.30	-3.30	2.80	-5.00
32	-2.40	-4.00	6.89	-6.48	1.70	-2.50	2.40	-2.90	2.40	-5.50
33	-3.00	-4.00	6.19	-4.69	0.80	-3.00	2.60	-2.60	2.10	-6.21
34	-3.30	-3.70	5.30	-2.80	0.50	-3.30	2.90	-2.60	1.80	-7.52
35	-3.60	-3.10	4.69	-1.00	0.10	-3.60	3.10	-2.60	1.50	-8.51
36	-4.20	-2.60	3.20	0.90	-0.30	-3.60	2.90	-2.60	1.10	-9.31
37	-4.80	-2.00	1.10	2.80	-1.50	-3.40	2.70	-2.60	0.70	-9.91
38	-5.50	-1.60	-0.80	4.10	-1.80	-3.20	2.30	-2.60	1.00	-10.20
39	-6.20	-0.70	-2.80	4.80	-2.20	-3.20	1.90	-2.60	1.10	-10.20
40	-6.80	0.00	-5.01	4.80	-2.90	-2.60	1.60	-2.60	1.10	-10.20
41	-7.20	0.80	-6.53	5.20	-3.40	-1.70	1.60	-2.60	1.10	-10.20
42	-7.51	1.40	-8.15	5.70	-3.60	-0.60	1.20	-2.60	1.10	-10.30
43	-8.42	2.50	-10.15	5.70	-3.60	0.10	1.00	-2.60	1.10	-10.30
44	-9.32	3.00	-12.23	6.41	-4.20	1.20	0.70	-2.60	1.10	-10.30
45	-10.74	5.41	-14.11	7.41	-4.70	2.10	0.50	-2.60	1.10	-9.99
46	-12.42	7.31	-14.28	8.20	-4.90	3.30	0.00	-2.60	1.10	-9.69
47	-13.12	8.42	-13.76	8.51	-5.30	4.91	-1.10	-2.60	1.10	-8.99
48	-13.72	9.83	-12.78	8.92	-5.30	6.90	-1.60	-2.60	1.10	-8.60
49	-14.32	11.32	-12.28	9.80	-6.30	9.80	-2.20	-2.60	1.10	-8.29
50	-14.73	12.02	-11.59	9.80	-6.60	7.11	-2.50	-2.60	1.10	-7.90

RECORDS=634
DATE AND TIME=1971-08-02-16-25
COMPONENT=N-S
SIGNAL=GR.ACC.
CORRECTION=ARC.ERR.
TOTAL NUMBER OF DATA= 6000
FORMAT NO.=301

STATION=KUSHIRO-S
TOTAL NUMBER OF DATA= 6000

RECORD=S-634 COMPONENT=N-S SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 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	-6.99	0.40	2.40	-0.70	0.90	-3.10	-0.20	-2.50	2.80	0.80
2	-6.39	0.40	3.00	1.40	0.80	-1.60	-0.70	-2.20	3.10	0.90
3	-5.49	0.10	3.40	-1.90	0.80	0.00	-0.80	-2.10	3.30	1.20
4	-4.20	-0.80	3.90	-2.50	0.80	1.60	-0.80	-2.00	3.60	1.50
5	-3.10	-1.50	4.00	-3.10	0.70	2.80	-1.00	-2.00	3.80	2.00
6	-2.50	-2.10	4.20	-3.60	0.30	3.80	-1.00	-2.00	3.40	2.50
7	-1.70	-2.90	4.00	-3.80	0.10	4.81	-1.40	-1.90	3.20	2.80
8	-0.90	-3.30	3.80	-4.00	0.10	5.90	-1.40	-1.90	3.10	2.90
9	-0.10	-3.80	3.60	-4.10	-0.10	6.50	-1.60	-2.00	3.00	3.00
10	0.70	-4.30	3.30	-4.40	-0.20	7.00	-1.80	-2.00	2.90	2.90
11	1.90	-4.60	3.20	-4.60	-0.50	7.10	-2.10	-2.20	2.90	2.80
12	2.80	-4.60	3.20	-3.60	-0.80	7.30	-2.60	-2.50	2.70	2.60
13	3.20	-4.10	3.20	-2.70	-1.20	7.30	-2.90	-2.30	2.40	2.40
14	3.80	-3.20	3.40	-1.50	-1.50	7.30	-2.90	-2.10	2.20	2.20
15	4.20	-2.70	3.70	-0.50	-1.70	7.10	-3.10	-1.90	2.00	1.90
16	4.60	-2.00	3.90	0.70	-2.20	6.99	-3.20	-1.80	1.60	1.80
17	4.70	-1.40	4.00	1.30	-2.60	6.09	-3.40	-1.20	1.30	1.40
18	4.70	0.70	4.00	1.90	-2.90	5.10	-3.90	-0.90	1.20	1.20
19	4.60	0.00	4.20	1.70	-3.20	4.20	-4.00	-0.70	1.60	1.10
20	4.40	0.80	4.20	1.50	-3.50	3.40	-4.30	-0.60	2.10	0.70
21	4.30	1.30	4.00	0.90	-3.60	2.90	-4.40	-0.60	2.50	0.20
22	4.20	1.80	3.60	0.50	-3.60	2.50	-4.80	-0.50	2.90	-0.10
23	4.00	2.10	3.20	0.10	-3.60	2.20	-4.90	-0.40	3.10	-0.50
24	3.80	2.20	2.20	-0.10	-3.60	2.00	-5.10	-0.40	3.40	-0.70
25	3.70	2.50	1.50	-0.40	-3.80	2.20	-5.30	-0.60	3.70	-0.80
26	3.50	2.40	0.70	-0.80	-4.00	2.20	-5.50	-0.80	4.30	-0.80
27	3.10	2.40	0.30	-1.10	-4.00	2.30	-5.80	-1.10	4.70	-0.80
28	2.60	2.20	1.20	-1.40	-4.20	2.80	-6.00	-1.30	5.20	-0.90
29	2.10	2.10	2.40	-1.60	-4.40	3.10	-6.20	-1.60	5.60	-1.00
30	1.80	1.70	2.70	-1.40	-4.80	3.40	-6.20	-1.90	5.80	-1.10
31	1.50	1.20	3.10	-0.80	-5.30	3.70	-6.20	-2.10	5.90	-1.70
32	1.20	0.90	3.70	0.20	-5.80	3.90	-6.20	-2.20	6.10	-2.10
33	1.10	0.50	4.30	0.30	-6.30	3.90	-6.30	-2.20	6.30	-2.40
34	1.20	0.10	4.30	1.10	-6.30	3.90	-6.50	-2.50	6.40	-2.70
35	1.50	-0.60	4.30	1.50	-6.50	3.50	-6.60	-2.50	6.70	-3.10
36	2.00	-1.50	4.00	1.90	-6.50	3.40	-6.50	-2.60	6.90	-4.00
37	2.30	-1.80	3.40	2.20	-7.00	3.20	-6.20	-2.80	7.10	-4.50
38	2.60	-2.10	3.00	2.40	-7.10	3.00	-5.90	-2.90	7.20	-5.10
39	2.90	-2.40	2.40	2.60	-7.20	2.90	-5.50	-3.20	7.50	-5.30
40	2.90	-3.20	1.20	2.50	-7.30	2.70	-5.20	-3.20	7.50	-5.80
41	2.70	-3.30	0.00	2.40	-7.50	2.60	-5.00	-2.80	7.40	-6.80
42	2.40	-3.30	0.90	2.20	-7.60	2.50	-4.80	-2.20	6.99	-7.20
43	1.60	-3.10	1.60	2.20	-7.70	2.40	-4.50	-1.60	6.19	-7.20
44	0.60	-2.90	2.00	1.80	-8.00	2.40	-4.50	-0.90	5.40	-7.20
45	0.30	-2.40	2.30	1.40	-8.10	2.30	-4.00	-0.20	4.70	-7.20
46	0.10	-2.00	2.20	1.20	-8.08	2.20	-3.80	0.30	3.90	-7.80
47	0.10	-1.00	1.90	0.90	-6.70	2.10	-3.40	0.90	3.40	-7.90
48	0.20	0.00	1.20	0.90	-5.19	1.80	-3.20	1.30	2.40	-8.00
49	0.20	0.80	0.70	0.90	-5.49	1.50	-3.00	1.80	1.90	-8.10
50	0.40	1.60	0.10	0.90	-4.80	0.60	-2.70	2.10	1.10	-8.20

RECORDS=634 COMPONENT=E-W SIGNAL=GR,ACC. CORRECTION=ARC,ERR. STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL= 0.040(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.00	5.20	-3.30	2.10	3.30	4.40	3.90	1.60	3.40	-1.10
2	2.70	-3.40	-3.50	0.60	3.30	3.90	4.90	-0.50	3.40	-0.70
3	5.20	-5.20	-3.40	-0.30	3.80	3.60	4.39	0.20	2.70	-0.60
4	5.79	-4.59	-2.80	1.60	4.50	3.10	2.90	1.00	0.80	-0.80
5	4.59	-3.60	-1.00	-2.50	5.10	2.30	1.10	1.90	-0.50	-1.00
6	3.40	-0.80	0.90	-2.60	5.30	0.20	0.30	2.40	-1.30	-0.60
7	1.50	0.50	1.30	-2.30	5.60	-2.10	-0.90	3.30	-1.70	-0.20
8	-0.40	1.70	3.61	-2.00	5.60	-3.50	1.80	3.60	-1.80	-0.00
9	-0.60	2.40	5.61	-0.60	5.19	-4.20	3.30	3.70	-1.60	-0.10
10	-0.30	3.90	7.80	-0.10	3.60	-4.60	-3.60	4.00	0.	-0.30
11	-0.30	5.30	6.08	2.30	2.90	-4.30	-3.80	4.40	0.00	-0.80
12	-0.30	5.90	6.99	4.11	1.70	-3.20	-3.10	5.00	0.60	-0.60
13	-0.10	5.89	6.49	6.21	-0.50	-2.50	-2.40	5.10	1.30	-0.20
14	0.00	5.20	5.09	7.22	-2.40	-0.30	-1.00	4.40	2.10	0.30
15	0.30	4.60	3.00	8.92	-3.50	1.30	-0.90	3.70	2.80	1.00
16	0.40	4.00	1.10	9.80	-4.90	3.10	0.00	3.30	3.20	1.40
17	0.30	3.10	-0.10	9.68	-5.40	3.70	1.30	3.10	3.20	2.40
18	0.20	2.30	1.10	8.78	-5.50	3.70	2.80	2.80	3.70	3.00
19	0.50	2.00	-2.00	7.37	-5.39	3.70	3.20	2.10	4.50	3.80
20	1.50	1.50	-2.10	5.08	-4.40	3.70	3.70	1.60	5.21	4.10
21	2.40	1.10	-1.50	2.30	-3.30	3.70	3.90	0.50	7.60	4.10
22	2.60	1.10	-0.60	-2.00	-1.70	3.90	3.30	0.90	6.51	4.40
23	2.40	1.20	1.20	5.11	0.20	3.80	2.40	1.90	8.00	3.80
24	2.20	1.40	2.60	-6.61	1.20	3.00	0.80	4.41	7.79	2.50
25	1.80	1.70	3.80	-7.82	2.80	2.50	0.50	5.71	6.89	0.90
26	1.70	1.70	4.20	-9.19	4.50	2.10	0.30	7.72	5.49	-0.40
27	1.30	1.70	3.60	-8.88	4.80	1.60	-0.30	8.90	4.59	-2.20
28	0.70	1.40	2.70	-7.97	4.50	1.20	-0.40	8.90	3.30	-2.70
29	-0.20	0.80	1.70	-5.96	3.90	0.90	-0.40	8.98	2.50	-1.70
30	-1.10	0.40	1.00	-1.00	3.80	0.40	0.20	8.09	2.40	-0.40
31	-1.80	0.30	0.60	0.70	3.60	0.70	1.20	7.49	1.30	0.70
32	-1.80	0.20	0.30	1.30	3.30	1.70	2.10	6.69	0.50	1.70
33	-2.10	0.40	-0.40	1.70	3.10	2.20	2.80	5.89	-0.70	2.30
34	-1.80	0.80	-1.00	1.90	3.30	3.00	2.80	4.19	-1.20	2.70
35	-0.80	1.30	-1.00	1.90	3.30	4.81	3.50	2.10	-0.60	2.70
36	0.30	1.60	-0.80	2.00	3.20	6.20	3.90	-0.30	0.30	2.70
37	2.40	1.70	-0.70	2.00	2.90	6.40	4.30	0.30	1.40	2.70
38	6.61	1.80	-0.60	2.10	-1.60	6.30	4.20	-5.41	2.50	2.70
39	6.00	1.70	-0.20	2.20	1.30	5.79	4.30	-6.60	4.30	2.80
40	6.40	1.40	0.80	2.50	1.00	4.89	4.50	-5.20	5.20	2.80
41	5.89	1.30	1.40	2.80	-0.00	3.80	4.40	-6.79	5.90	2.00
42	5.10	1.00	2.50	2.80	-0.70	3.20	3.60	-5.69	5.90	1.40
43	4.20	0.70	4.31	3.10	-0.80	1.60	3.30	-4.10	5.60	1.00
44	3.30	0.80	5.70	3.20	-0.40	-0.70	2.90	-3.30	5.109	0.60
45	1.90	1.00	6.30	3.30	1.40	-1.90	2.30	-2.00	4.00	0.50
46	0.70	1.20	6.40	3.30	3.00	-3.40	1.60	-0.80	4.00	0.20
47	-0.00	1.00	5.90	3.30	4.00	-2.90	0.80	1.30	2.70	0.10
48	-1.90	0.10	5.50	3.30	4.70	-1.80	0.20	3.50	3.70	0.10
49	-3.60	-2.00	4.89	3.30	5.30	-0.10	-0.30	3.70	0.10	0.10
50	-5.100	-2.70	3.60	3.30	5.29	1.20	-1.30	3.50	-1.00	0.10

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	0.20	0.80	2.30	4.61	-1.50	-3.10	2.00	2.60	-1.80	-5.99
2	0.90	0.80	2.00	5.91	-1.70	-3.60	1.70	4.70	-1.80	-5.30
3	1.40	1.20	1.30	6.60	-1.40	-3.90	1.40	5.20	-2.40	-4.70
4	2.40	1.00	1.10	6.70	-1.30	-3.80	1.30	5.39	-2.70	-4.20
5	3.00	0.40	0.20	6.40	-1.20	-3.80	1.30	4.59	-3.00	-4.00
6	3.20	0.10	0.40	6.20	-1.20	-3.70	1.50	2.90	-3.10	-3.80
7	3.20	0.70	1.00	5.90	-1.20	-3.50	1.80	2.20	-3.30	-3.80
8	2.10	1.40	1.30	5.50	-1.50	-3.00	2.30	0.40	-3.50	-3.60
9	1.90	2.30	0.80	5.20	-1.60	-1.70	2.50	0.40	-2.20	-2.40
10	2.10	3.70	0.00	5.00	-1.90	-0.70	2.90	0.70	-1.80	-1.10
11	2.50	4.60	1.00	4.90	-1.60	2.20	3.40	0.40	-0.70	0.20
12	2.70	5.30	1.30	4.80	-1.50	2.90	3.50	0.40	0.40	2.30
13	2.90	5.90	2.30	4.40	-1.20	3.70	3.70	0.00	1.30	3.90
14	3.70	5.40	2.90	3.40	-1.20	4.50	4.00	1.80	1.90	4.70
15	4.60	4.70	2.80	2.70	-1.10	5.10	3.90	1.70	3.50	5.29
16	5.70	3.80	2.30	1.80	-0.70	4.99	3.30	0.70	4.91	4.39
17	6.30	3.20	1.90	1.20	0.10	3.40	2.30	0.40	5.90	3.00
18	6.40	2.40	1.30	0.80	0.70	2.20	1.70	0.10	6.10	2.10
19	6.70	2.00	0.40	0.40	2.20	0.99	1.30	0.10	6.30	1.30
20	6.70	1.50	0.10	0.00	3.40	0.20	1.10	0.80	5.99	0.20
21	7.00	1.00	0.10	0.70	3.71	0.10	0.80	1.40	5.20	-0.70
22	7.00	0.80	0.80	0.60	5.50	0.10	0.50	1.70	4.40	-1.40
23	6.90	0.60	1.30	1.80	5.90	0.10	0.60	2.00	3.30	-1.40
24	6.80	0.50	2.00	1.80	5.89	0.	0.70	1.70	1.90	-1.10
25	6.80	0.10	2.40	1.70	4.79	-0.00	0.80	1.40	1.90	-0.90
26	6.80	0.50	2.50	1.70	3.20	-0.30	0.80	1.10	-2.60	-0.50
27	6.50	0.50	2.50	1.70	3.00	-0.70	0.90	1.00	3.71	-0.20
28	6.20	-0.20	2.00	1.70	1.60	-1.00	0.90	0.50	5.71	0.00
29	6.00	0.10	1.10	1.00	0.50	-1.20	0.60	0.00	6.50	0.30
30	5.90	0.10	0.40	0.30	-0.20	-1.30	0.30	0.10	5.99	0.70
31	5.89	0.50	0.20	0.30	-0.50	-1.10	0.10	0.80	4.89	1.20
32	4.80	0.40	1.30	0.20	0.00	0.20	0.10	1.60	-3.39	2.10
33	3.80	0.10	2.30	0.20	0.10	0.90	-0.30	2.60	-1.10	3.30
34	3.20	0.80	2.80	1.80	0.40	1.70	0.50	3.70	0.90	4.20
35	2.50	1.00	2.90	2.00	0.60	3.70	0.80	4.60	2.90	4.10
36	1.80	1.40	3.20	1.90	0.80	4.20	1.10	5.20	4.91	3.30
37	1.20	1.60	3.30	1.60	1.00	4.50	1.70	5.50	6.81	2.70
38	0.10	1.70	3.60	1.10	1.10	5.00	-2.20	5.30	7.99	1.80
39	-1.10	1.60	3.50	0.50	1.30	4.60	-2.80	5.30	7.28	0.80
40	-1.90	1.60	3.30	0.40	1.50	3.70	-3.20	5.10	5.89	-0.40
41	-2.00	0.70	3.10	0.80	1.60	3.00	-3.50	5.00	4.60	-1.60
42	-1.60	0.00	2.70	1.00	1.70	2.60	-4.00	4.70	4.00	-2.70
43	-1.20	1.10	2.40	1.20	1.90	2.00	-3.70	4.10	2.70	-3.00
44	-0.40	1.60	2.40	1.20	2.10	1.60	-3.40	3.30	1.10	-2.80
45	0.30	2.30	2.70	1.30	1.80	1.70	-2.40	1.80	0.20	-2.10
46	0.40	2.40	3.20	1.00	0.90	2.20	-1.70	0.80	-0.80	-1.10
47	0.80	2.70	3.50	0.00	0.60	2.60	-1.20	0.90	-2.10	-0.70
48	0.70	2.70	3.50	-0.20	0.10	2.60	-0.60	1.20	-3.60	-0.20
49	0.10	3.00	3.80	-0.70	-1.60	2.80	0.30	1.20	-4.91	0.50
50	0.40	2.80	4.30	-1.20	-2.20	2.70	1.30	-1.30	-6.10	1.10

RECORD=S-634
DATE AND TIME=1971-08-02-16-25

COMPONENT=E-H
SIGNAL=GR_ACC,
CORRECTION=ARC_ERR,
TOTAL NUMBER OF DATA= 6000

STATION=KUSHIRO-S
FORMAT NO.=301

RECORD=S-634
 DATE AND TIME=1971-08-02-16-25
 COMPONENT=E-W
 SIGNAL=GR.ACC.
 SAMPLING INTERVAL= 0.010 (SEC)
 CORRECTION=ARC.ERR,
 FORMAT NO.=301
 STATION=KUSHIRO-S
 TOTAL NUMBER OF DATA= 6000

NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	2.00	1.90	3.10	3.00	2.30	2.90	-5.00	2.40	-1.00	7.29
2	2.70	2.00	2.20	3.60	2.70	2.00	2.00	2.60	-0.10	6.19
3	2.90	1.60	1.70	4.50	2.80	1.70	-3.50	4.40	1.50	5.50
4	3.10	1.40	1.30	5.00	2.70	1.40	-1.00	5.10	2.00	4.89
5	2.70	1.30	0.60	5.70	2.60	1.00	-1.00	5.61	2.90	3.89
6	2.00	1.20	0.40	6.20	2.60	0.80	0.60	6.51	4.50	2.30
7	0.90	1.90	0.10	6.30	2.60	-0.70	1.50	7.12	5.00	0.10
8	-0.60	2.50	-0.00	6.29	2.10	-1.60	1.80	8.53	5.10	-2.70
9	-1.60	3.30	-0.70	4.79	1.90	-2.30	2.00	10.22	5.00	-3.70
10	-2.00	4.00	-1.150	3.50	1.50	-1.90	2.50	11.00	4.70	-3.80
11	-1.60	4.90	-2.90	2.30	1.30	-1.10	3.30	11.08	4.00	-3.10
12	-0.60	5.30	-4.40	0.90	1.10	-0.10	4.10	10.37	3.20	-2.40
13	0.10	5.30	-5.10	0.70	1.30	0.00	4.30	9.28	2.60	-2.00
14	1.20	5.20	-5.10	0.50	1.40	0.90	4.30	8.18	2.00	-1.60
15	2.00	4.80	-5.20	0.50	1.50	1.40	4.50	6.69	1.00	-0.60
16	2.10	4.00	-5.20	0.70	1.60	2.50	4.50	5.49	0.40	0.30
17	2.20	4.10	-5.20	0.70	1.40	3.20	4.20	3.90	-0.40	0.30
18	2.10	3.90	-5.10	-0.00	1.00	2.80	4.10	3.60	-0.70	0.40
19	2.50	3.70	-5.10	-0.20	0.90	1.90	3.80	2.70	-1.40	0.40
20	2.80	4.10	-5.10	-0.40	1.00	1.30	2.90	1.70	-1.40	0.30
21	2.80	4.20	-4.80	-0.50	1.10	0.80	1.90	1.40	-0.60	0.30
22	2.80	3.40	-4.40	-0.10	1.60	0.20	1.10	1.30	-1.40	-2.00
23	2.80	1.80	-3.20	0.30	1.80	-0.50	0.40	1.50	-1.30	-3.30
24	2.80	1.50	-2.20	1.10	1.90	-0.90	-0.00	1.30	-1.30	-4.10
25	2.60	0.60	-2.20	1.80	1.70	-0.40	-0.30	1.00	-0.40	-4.00
26	2.50	-1.40	1.10	2.70	1.30	0.30	-0.50	0.70	0.60	-3.50
27	2.30	-2.70	1.50	3.90	1.00	1.10	-0.50	0.20	1.90	-2.90
28	2.20	-2.80	1.70	5.00	0.90	1.70	-0.50	-0.40	3.51	-2.60
29	2.10	-2.40	1.40	5.00	0.90	2.10	-0.30	-1.00	6.01	-1.80
30	1.90	-2.00	0.80	4.80	0.80	2.90	-0.30	-1.40	7.30	-1.70
31	1.70	-1.20	-0.00	4.10	0.80	4.71	0.00	-1.60	7.59	-1.10
32	1.70	-0.80	-0.20	3.30	1.00	6.41	0.30	-1.80	7.08	0.00
33	1.80	0.	-0.80	3.20	1.50	7.61	0.10	-2.00	5.39	1.10
34	1.70	-0.00	-1.00	2.40	1.40	8.50	-0.40	-2.30	3.60	1.70
35	1.20	-0.30	-1.00	1.80	1.00	8.60	-1.00	-2.50	2.80	2.60
36	0.30	-0.40	-1.00	1.00	0.30	8.49	-1.40	-3.00	0.50	2.70
37	-0.30	-0.40	-1.00	-0.40	0.10	7.59	-2.40	-3.70	-1.40	2.60
38	-1.40	-0.40	-0.60	-1.80	0.10	6.90	-2.40	-4.00	-1.60	2.80
39	-2.70	-0.10	-2.50	-2.50	-0.10	6.59	-2.70	-4.50	-1.60	2.70
40	-4.00	-0.60	-3.20	-3.20	-0.50	5.99	-2.10	-5.00	-1.60	2.00
41	-4.20	0.00	-2.90	-3.40	-1.60	5.10	-1.50	-4.90	0.70	1.70
42	-3.50	0.30	-3.81	-2.90	-2.50	4.50	-1.00	-4.00	3.81	1.30
43	-3.00	1.00	-5.60	-2.40	-2.20	3.89	-0.30	-3.70	6.42	1.10
44	-2.00	1.80	-6.20	-2.10	-1.00	2.20	-0.20	-3.70	8.31	0.90
45	-1.60	1.80	-6.29	-1.70	0.00	0.30	1.10	-3.70	9.02	0.70
46	-1.00	2.10	-5.29	-1.10	1.30	-2.50	2.00	-4.10	9.91	0.30
47	-0.20	2.70	-4.30	-1.00	3.60	-4.11	2.20	-4.10	10.20	0.20
48	0.20	4.00	-3.60	-0.80	3.50	-6.00	2.40	-3.40	10.28	0.20
49	1.00	4.40	-3.10	0.70	3.60	-6.20	2.40	-2.60	9.38	0.20
50	1.60	3.80	-2.70	1.80	3.40	-5.99	2.40	-1.60	8.09	0.20

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	0.20	6.10	-2.00	1.20	2.20	5.80	-3.10	3.70	-4.80	-0.20
2	0.20	6.30	-2.00	1.20	1.70	5.80	-3.60	4.10	-4.09	0.20
3	0.40	6.29	-2.00	1.20	1.20	5.90	-4.00	3.90	-2.10	0.50
4	1.10	5.59	-1.50	1.20	1.00	5.10	-4.10	3.40	0.20	0.80
5	1.70	4.20	-0.80	1.20	0.80	5.10	-4.10	3.20	1.20	0.90
6	2.10	2.90	-0.20	1.20	0.40	4.50	-3.80	2.70	3.10	1.00
7	2.20	1.80	0.50	1.20	-0.80	4.20	-3.70	2.00	4.20	1.00
8	2.80	0.70	1.40	1.10	-0.80	3.60	-3.70	1.80	5.30	1.20
9	3.70	0.10	2.40	0.70	0.00	3.00	-3.60	1.20	5.40	1.30
10	4.40	1.90	2.60	0.70	0.50	2.20	-3.00	0.40	5.30	1.10
11	4.70	3.70	2.90	0.80	1.10	1.60	-2.40	-0.40	4.50	0.40
12	4.90	4.10	2.90	1.20	1.10	0.80	-2.10	0.60	3.40	0.40
13	5.00	4.10	2.20	1.70	1.40	0.10	-1.70	0.40	3.20	-1.40
14	5.10	4.10	1.60	2.70	1.60	-0.40	-1.40	0.90	2.70	-3.61
15	4.30	4.10	1.40	3.10	1.80	-0.60	-1.50	1.60	1.60	-6.42
16	3.60	4.10	1.30	2.80	1.80	-0.40	-1.80	2.10	1.00	-9.01
17	2.50	3.70	1.30	2.70	1.70	-0.70	-2.10	2.40	0.70	-9.32
18	1.70	2.70	1.40	2.20	1.30	-1.00	-2.40	2.60	-0.30	-10.22
19	1.40	1.80	1.70	1.70	0.90	-1.20	-2.60	2.40	-1.00	-11.24
20	0.70	1.60	1.80	1.40	0.60	-1.60	-2.90	2.90	-1.10	-12.84
21	-0.10	0.70	2.10	0.50	0.80	-2.00	-2.90	2.70	-0.80	-13.84
22	0.30	1.00	2.10	0.30	0.60	-2.50	-3.40	2.40	0.00	-14.70
23	-0.30	2.30	1.70	-0.00	0.30	-2.60	-3.40	2.10	0.90	-14.66
24	0.60	2.70	1.40	-0.20	0.20	-2.10	-2.80	1.80	1.90	-13.76
25	-0.30	-2.10	1.00	-0.60	0.10	-1.60	-2.00	1.70	2.50	-12.70
26	0.10	-1.00	0.90	-0.70	-0.30	-1.00	-1.00	1.70	3.50	-12.68
27	0.10	-0.30	0.40	-0.50	-0.90	-0.40	-0.40	1.70	3.80	-11.99
28	0.00	1.70	-0.70	-0.40	-1.20	0.10	0.70	1.70	3.20	-10.35
29	0.10	4.11	-1.20	-0.80	-1.80	0.90	1.70	1.80	3.20	-8.14
30	0.20	5.91	-1.60	-1.20	-2.60	2.10	2.90	1.90	2.90	-3.79
31	-0.90	7.32	-2.40	-1.50	-2.80	2.70	3.70	1.90	2.70	-1.00
32	0.70	9.01	-3.00	-2.20	-3.00	2.80	3.90	1.90	2.80	0.20
33	0.00	9.130	-3.40	-2.80	-2.90	2.60	4.40	2.10	2.30	8.26
34	0.10	9.08	-3.40	-2.40	-2.40	2.40	4.60	2.40	2.00	12.65
35	0.30	8.18	-3.10	-2.40	-1.90	2.20	3.80	2.90	2.30	14.24
36	0.90	6.79	-3.00	-2.40	-1.20	2.10	3.30	3.40	2.40	17.47
37	1.60	5.99	-2.80	-1.50	-0.20	2.00	2.30	3.80	2.00	18.44
38	2.90	5.00	-2.40	-1.30	0.30	1.90	1.90	3.90	0.40	18.92
39	4.10	4.10	-2.00	-0.60	1.20	1.90	1.50	3.30	0.30	17.94
40	4.90	3.40	-1.70	0.00	1.90	1.90	1.00	2.80	0.20	17.06
41	5.40	2.00	-1.00	0.80	3.10	2.10	0.50	2.10	-1.00	16.51
42	5.40	0.80	-0.60	1.20	3.30	2.50	-0.00	1.20	-1.80	14.71
43	4.90	0.70	0.70	1.20	4.10	2.80	-0.70	0.70	-2.10	12.73
44	3.99	1.00	1.10	1.40	4.90	2.80	-0.70	0.20	-3.00	10.68
45	2.30	1.00	1.20	1.20	5.10	2.50	-0.90	0.70	-3.10	9.64
46	1.20	0.70	1.20	1.70	5.10	1.30	-0.60	-1.40	-2.60	6.49
47	-0.10	0.30	1.20	2.10	5.10	0.50	-0.10	-2.10	-2.10	5.69
48	-1.50	-0.90	1.20	3.20	5.10	-0.50	0.60	-4.11	-1.20	3.80
49	-3.01	-1.80	1.20	3.30	5.60	-1.80	1.30	-5.70	-1.10	2.20
50	-5.80	-1.80	1.20	2.60	5.70	-2.90	2.40	-5.50	-1.00	0.60

RECORD=S-634
 DATE AND TIME=1971-08-02-16-25
 COMPONENT=E-W
 SIGNAL=GR.ACC.
 SAMPLING INTERVAL=0.010(SEC)
 CORRECTION=ARC.ERR.
 FORMAT NO.=301
 STATION=KUSHIRO-S
 TOTAL NUMBER OF DATA= 6000

RECORD=S-634 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KUSHIRO-S
 DATE AND TIME=1974-08-02-16-25 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	0.70	12.60	9.74	27.21	30.88	-4.08	38.24	-34.29	13.08	14.14
2	1.60	18.37	11.83	36.13	31.60	2.31	37.63	42.04	7.34	27.45
3	2.00	20.63	12.87	40.72	31.33	7.35	36.86	49.46	2.30	36.2
4	0.00	20.78	14.67	46.78	29.77	12.00	36.80	54.49	0.30	40.47
5	1.30	19.45	13.94	44.90	26.88	15.36	34.99	57.51	1.50	40.18
6	4.00	17.54	12.46	39.58	21.52	16.46	32.17	56.40	2.80	38.22
7	4.31	15.19	8.34	32.76	15.96	15.78	29.72	53.13	4.40	36.17
8	6.12	12.95	4.29	23.62	9.91	15.30	26.65	47.19	5.60	34.91
9	8.92	11.59	2.59	18.78	1.00	13.15	23.16	40.02	5.10	33.58
10	10.11	11.07	2.21	17.42	3.74	9.13	19.58	33.12	4.90	32.90
11	10.38	9.96	13.92	17.42	14.36	4.98	17.03	24.65	4.40	33.02
12	9.38	7.99	19.45	35.39	20.44	0.40	15.94	14.94	3.90	33.50
13	8.17	7.61	25.11	45.43	25.17	5.63	16.74	9.73	3.00	34.00
14	6.59	8.21	29.09	51.81	27.86	-10.43	19.23	6.29	1.70	34.78
15	5.19	8.69	29.32	53.84	29.58	-16.12	22.39	5.51	-1.50	35.60
16	3.69	8.29	27.92	53.99	28.03	-22.06	27.05	7.45	-4.30	36.46
17	-1.40	7.90	24.62	52.45	24.53	-26.64	30.79	11.66	-5.10	36.43
18	-3.10	7.69	21.04	48.89	19.54	-30.56	34.43	17.33	-4.19	35.52
19	-4.70	7.09	10.88	43.01	-14.15	-31.85	36.78	21.01	-1.80	33.60
20	-4.80	6.10	2.49	35.58	-8.64	-30.83	39.12	24.35	1.20	30.83
21	-4.50	5.59	4.21	27.98	3.09	-28.23	40.03	27.21	2.80	26.34
22	-3.80	4.49	6.12	20.14	1.70	-23.81	39.73	29.59	2.80	19.64
23	-3.10	3.29	7.99	11.10	3.21	-18.05	38.37	30.17	1.00	12.16
24	-2.10	0.70	7.08	3.58	5.51	-8.20	36.49	26.86	0.80	4.86
25	-1.70	-2.00	5.47	-4.33	7.75	1.10	34.08	23.88	2.51	-2.91
26	-1.10	-3.30	0.10	-10.69	11.69	2.70	29.79	23.41	7.49	-10.40
27	-0.80	-4.82	6.46	-14.23	14.92	4.00	25.10	18.74	15.16	-19.39
28	-1.00	-9.07	13.85	-17.21	19.98	3.60	19.38	15.36	25.13	-25.02
29	0.70	-12.77	20.04	-20.46	27.27	2.80	12.19	10.84	34.18	-29.42
30	2.51	-14.73	25.13	-22.10	34.31	0.80	5.87	8.46	39.50	-29.16
31	6.44	-15.30	27.85	-22.03	39.64	-3.00	1.40	5.78	43.43	-26.87
32	11.38	-14.97	27.16	-21.33	43.01	-5.02	-2.40	3.20	44.42	-22.25
33	14.13	-10.35	23.94	-20.70	43.96	-8.65	-5.42	1.70	43.25	-16.55
34	14.84	-8.16	17.08	-20.74	41.61	-11.59	-8.34	0.60	40.87	-8.87
35	17.72	5.34	-6.40	-21.17	36.90	-14.60	11.39	0.50	35.88	-1.40
36	17.84	4.33	4.86	-21.87	29.25	-14.55	14.44	1.30	27.92	6.56
37	15.33	10.97	17.10	-22.55	20.79	-13.49	15.20	2.10	18.88	12.90
38	8.19	13.56	27.38	-23.68	9.19	-10.71	15.15	3.21	8.92	16.44
39	0.80	15.07	36.15	-23.75	2.11	-7.14	14.04	5.61	-1.30	21.75
40	8.47	14.43	39.60	-24.10	12.03	-1.99	10.25	7.24	-9.89	24.12
41	19.71	12.83	40.67	-23.95	19.54	5.44	3.59	10.51	19.34	24.69
42	26.30	10.93	40.52	-22.46	25.22	12.25	0.10	15.10	39.13	22.19
43	32.93	8.18	39.53	-18.45	29.84	20.36	2.20	19.30	37.60	18.35
44	36.63	6.79	37.69	-16.71	29.81	27.62	4.40	24.20	43.07	13.47
45	37.22	5.60	32.70	-6.72	28.48	30.68	4.39	26.60	43.26	5.35
46	33.35	5.40	21.84	0.90	25.45	32.56	2.69	28.28	39.64	-2.81
47	26.46	5.40	10.09	10.72	21.66	34.05	2.81	27.95	33.39	-8.28
48	15.28	5.40	1.00	19.98	-18.28	35.14	-9.02	26.27	36.14	-14.06
49	-5.44	4.91	-12.06	26.61	-14.02	36.35	-16.51	23.19	-13.67	-20.48
50	4.33	6.13	-20.51	29.23	-9.88	37.42	-25.76	18.13	1.61	-25.80

RECORD=S-634	COMPONENT=E-H	SIGNAL=GR,ACC,	CORRECTION=ARC,ERR,	STATION=KUSHIRO-S					
DATE AND TIME=1971-08-02-16-25	SAMPLING INTERVAL=0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 6000						
NO.	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	28.82	11.14	-6.51	13.24	8.81	5.00	15.22	-6.31	-4.49
2	28.76	12.52	-7.83	17.85	9.21	5.30	11.58	-7.40	-1.50
3	27.56	13.10	-10.46	24.45	9.61	4.69	7.56	-7.48	1.50
4	-24.46	14.74	-13.24	29.51	9.90	3.40	3.98	-6.08	5.92
5	21.90	13.09	-17.15	32.70	9.77	1.80	0.90	-2.99	8.11
6	19.97	12.86	-21.16	34.37	8.27	0.40	0.50	0.50	9.12
7	18.56	11.86	-23.94	34.13	6.18	0.70	-11.50	4.11	10.10
8	18.04	11.59	-26.81	33.27	3.89	-1.30	-15.00	7.75	10.08
9	18.70	10.47	-29.12	31.71	1.10	-2.80	-16.90	11.37	9.29
10	-20.09	9.06	-29.18	29.47	-0.90	-4.81	-15.21	14.01	8.48
11	21.11	8.29	-28.92	27.38	-2.60	-6.72	-11.36	16.54	6.88
12	22.31	-0.70	-27.60	26.20	-3.40	-9.21	-6.35	17.17	4.79
13	23.32	64.38	-24.69	26.20	3.00	9.70	0.60	16.59	2.00
14	24.43	68.44	-22.37	26.14	-4.41	9.66	8.10	14.61	0.10
15	-26.54	60.27	-20.25	25.76	-6.01	7.78	15.31	10.51	-0.90
16	30.33	50.57	-18.60	25.43	-7.60	6.59	21.74	6.88	0.90
17	34.25	37.79	-17.22	24.88	-7.59	5.70	27.10	4.79	-0.90
18	-37.64	30.78	-15.93	23.92	6.98	5.30	30.68	2.40	-1.30
19	-39.81	22.97	-14.60	22.44	-5.39	5.60	32.29	0.90	-2.50
20	42.73	13.91	-12.43	20.91	-3.59	4.99	32.47	-3.51	-4.00
21	46.04	7.12	-7.53	18.94	-1.70	3.19	31.60	-6.01	-5.20
22	48.87	-0.20	1.60	16.89	0.70	0.30	29.59	-7.51	-5.09
23	49.80	-6.37	3.22	15.10	2.80	3.41	26.70	-8.21	-3.29
24	49.23	0.70	10.42	13.03	5.31	7.23	22.31	-8.81	-0.10
25	47.27	0.30	15.56	11.13	6.61	9.96	17.56	-9.41	0.10
26	42.41	-0.00	18.51	8.57	7.79	12.55	8.86	-10.01	4.32
27	35.42	-0.70	19.77	6.70	6.98	14.00	0.90	-10.29	9.68
28	28.98	0.70	18.12	6.30	5.28	13.95	4.83	-9.99	13.82
29	20.97	0.40	15.41	6.20	2.50	12.74	-10.31	-9.29	16.76
30	13.64	2.50	9.86	5.59	-1.00	11.13	-5.36	-8.59	19.18
31	-5.16	4.91	3.39	4.70	-4.72	8.45	-16.58	-7.98	18.92
32	1.20	7.44	2.31	3.99	-9.66	4.98	-20.81	-6.80	17.71
33	3.60	10.79	-9.92	1.00	-12.65	2.10	-20.82	-6.51	15.00
34	6.00	14.20	-15.66	2.00	-17.16	0.10	-19.78	-7.10	13.05
35	3.00	14.24	-20.77	-6.32	-19.57	-2.10	-17.19	-6.99	11.76
36	2.20	12.83	-24.74	-8.86	-20.36	-3.20	-13.96	-6.19	10.59
37	1.80	10.81	-26.74	-12.44	-15.92	-3.10	-10.65	-5.09	10.20
38	2.20	7.26	-24.51	-16.68	-16.88	-2.40	-8.66	-3.60	10.30
39	3.40	3.39	-18.63	-18.00	-17.29	1.00	-5.88	-2.40	10.40
40	4.61	5.10	-11.38	-17.90	-15.51	0.70	-3.09	-2.40	10.40
41	6.32	5.50	-3.78	-16.33	-13.82	2.20	-0.10	-2.40	11.33
42	8.53	4.61	1.90	-13.45	-11.94	3.71	1.50	-4.10	12.44
43	10.65	5.10	5.01	-9.50	-9.97	7.45	3.10	-5.41	13.55
44	12.72	4.50	6.30	-4.38	-8.37	11.99	4.40	-6.51	14.92
45	16.29	4.50	6.70	0.50	-6.48	14.80	4.40	-7.82	17.56
46	19.67	4.80	6.29	2.50	-4.69	16.99	3.60	-9.01	19.98
47	21.58	5.50	5.30	4.81	-3.00	18.36	2.50	-9.70	20.80
48	22.27	6.01	5.00	6.31	-0.50	19.10	0.70	-9.68	20.74
49	21.36	7.42	-4.50	7.03	1.60	18.98	-1.60	-8.78	20.17
50	19.93	-4.51	10.36	8.31	3.10	17.46	-4.11	-7.27	19.75

RECORDS=634 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	(3000)	(3050)	(3100)	(3150)	(3200)	(3250)	(3300)	(3350)	(3400)	(3450)
1	19.15	0.30	2.00	5.29	2.20	10.67	4.70	6.39	11.98	11.82
2	18.51	0.60	0.30	3.90	4.80	9.28	4.90	5.59	11.28	12.51
3	17.19	-1.40	-1.90	3.50	5.30	7.98	-5.10	4.40	-7.09	12.70
4	15.51	-2.00	-2.60	3.60	5.30	6.58	-5.10	3.80	-6.08	12.80
5	15.83	-3.80	-3.90	4.00	5.30	4.88	-4.40	3.80	-3.99	12.66
6	12.26	-4.31	-4.40	4.40	5.30	1.20	-4.40	4.30	-1.80	11.47
7	10.89	-5.91	-4.20	5.31	5.41	-2.50	-3.80	4.50	-0.40	10.47
8	10.49	-7.01	4.10	6.51	6.92	-5.01	-3.30	5.00	0.80	9.89
9	10.18	-8.00	-2.90	8.10	8.52	-6.12	-3.00	5.40	0.70	8.97
10	9.09	-8.00	-1.00	8.10	9.52	-2.40	-2.40	6.00	0.60	7.18
11	8.58	-7.99	1.80	7.88	10.73	-8.53	-1.60	5.99	-0.60	5.00
12	7.48	-7.39	4.10	6.40	11.95	-11.03	-0.80	5.00	-1.40	4.70
13	5.98	-6.19	5.11	6.10	13.59	-12.12	0.00	4.10	-2.50	4.50
14	3.29	-5.09	6.82	5.49	12.80	-12.80	0.30	3.30	-3.10	4.30
15	0.30	-3.80	8.21	3.99	17.41	-12.90	1.10	2.60	-3.70	3.70
16	-3.41	-2.20	8.60	1.90	17.50	-12.90	2.20	1.70	-4.30	3.60
17	-5.91	-0.30	8.69	1.20	17.47	-12.89	3.31	1.30	-4.70	3.10
18	-7.39	0.70	8.28	0.68	16.99	-12.65	8.21	1.80	-5.20	3.10
19	-6.69	2.90	6.59	-0.10	16.78	-11.09	8.82	1.00	-5.90	3.20
20	-5.69	5.52	5.49	0.40	16.47	-10.59	10.13	0.30	-5.90	3.50
21	-4.39	8.55	3.79	-0.50	15.96	-10.18	11.34	-0.00	-4.59	3.60
22	-3.00	11.56	1.60	0.00	15.25	-9.07	12.70	-0.60	-3.00	3.60
23	-1.30	13.64	-0.80	0.90	14.18	-7.58	12.78	-1.20	-1.50	4.20
24	-0.40	14.70	-1.00	2.20	13.68	-6.29	12.18	-1.40	-0.10	4.00
25	0.40	14.64	-1.40	3.00	12.95	-5.39	11.56	-1.00	1.30	3.79
26	1.30	13.24	-1.20	3.50	8.98	-4.40	10.06	0.20	1.90	1.00
27	3.41	11.53	-0.30	3.60	7.96	-3.30	8.39	1.20	2.80	-0.30
28	6.12	9.23	0.20	3.60	4.69	-3.10	7.48	2.71	3.51	-2.30
29	9.04	5.58	0.90	3.50	2.90	-2.80	5.90	7.19	6.12	-4.01
30	11.16	2.80	1.20	3.70	2.30	-2.60	5.39	6.31	8.02	-7.82
31	13.17	1.90	0.50	4.10	1.50	-2.30	4.40	7.13	9.52	-9.22
32	12.44	-0.40	-0.90	4.40	2.20	-1.80	4.30	10.28	10.42	-10.22
33	10.75	-2.00	2.00	4.40	3.20	-1.70	4.30	13.64	11.52	-11.03
34	8.56	-3.50	5.51	4.50	3.60	-1.70	4.20	14.61	12.10	-12.12
35	5.99	-4.70	7.80	5.20	5.01	-2.80	4.10	14.88	12.19	-12.81
36	4.20	-5.41	7.79	5.70	6.51	-3.50	4.00	14.37	11.78	-12.99
37	3.40	-6.40	7.40	5.60	7.60	-3.50	3.70	13.76	11.16	-12.57
38	-0.40	-6.60	-7.37	5.40	8.00	-3.20	3.70	12.87	9.78	-11.78
39	-3.00	-6.60	-4.59	4.79	8.19	-2.40	3.90	11.91	8.87	-10.98
40	-3.00	-6.29	-1.60	3.59	7.37	-2.20	4.30	8.95	6.99	-10.08
41	-3.10	-5.39	0.00	3.10	5.18	-2.20	4.90	6.18	5.99	-9.08
42	-3.40	-4.49	5.21	-2.20	2.40	-2.10	5.60	3.30	5.20	-7.68
43	-4.20	-3.20	7.03	-6.90	1.40	-2.20	6.10	1.30	4.60	-6.19
44	-5.30	-1.30	10.20	-7.31	0.50	-2.10	6.51	-2.00	3.90	-5.30
45	-5.99	0.70	10.19	-8.10	0.70	-2.50	7.40	4.81	3.70	-4.70
46	-5.10	2.50	9.89	-7.78	2.10	-2.90	7.50	-6.53	4.40	-4.70
47	-4.50	3.50	9.18	-6.09	3.81	-3.40	7.60	-9.75	5.31	-5.00
48	-3.50	4.10	8.29	-4.59	7.51	-4.00	7.80	-12.01	6.52	-5.20
49	-2.20	3.10	7.39	-3.10	8.72	-4.00	7.70	-12.40	5.40	-5.40
50	-0.40	2.90	6.29	-0.80	9.82	-4.40	7.68	-12.29	10.83	-4.90

NO.	(3500)	(3550)	(3600)	(3650)	(3700)	(3750)	(3800)	(3850)	(3900)	(3950)
1	4.50	9.92	5.10	0.60	11.69	-8.10	13.51	2.40	-8.60	13.59
2	4.10	10.66	4.40	0.90	11.27	-8.00	11.15	1.10	-8.60	13.35
3	4.00	13.06	1.10	10.08	10.08	-8.01	9.15	0.20	-8.49	11.96
4	3.20	14.74	3.80	1.40	9.08	-8.40	6.20	0.30	-7.80	10.67
5	2.80	15.52	3.60	1.40	8.09	-8.41	6.09	1.00	-7.60	9.48
6	2.10	15.90	3.40	2.10	7.19	-8.81	5.30	2.40	-7.60	8.39
7	0.40	15.90	3.40	1.40	6.50	-9.51	5.50	3.50	-7.60	7.89
8	0.60	15.87	3.10	0.60	6.50	-9.80	6.00	4.00	-7.20	7.16
9	2.10	15.22	2.70	0.70	6.39	-9.80	6.61	4.20	-6.89	3.80
10	4.11	13.63	2.20	3.30	5.59	-9.81	7.92	4.80	-5.99	2.20
11	7.22	11.83	2.20	4.50	4.50	-10.20	9.22	4.40	-5.10	0.20
12	8.81	9.67	2.20	5.61	4.00	-10.20	10.42	3.40	-4.60	-1.60
13	9.52	7.98	2.40	6.71	3.00	-10.08	11.15	2.70	-4.40	-2.90
14	10.31	6.27	2.60	7.62	1.70	-8.97	12.82	1.80	-4.10	-3.70
15	10.69	3.09	2.60	9.31	0.70	-7.19	13.42	1.10	-3.80	-4.11
16	10.07	0.60	2.80	9.94	-1.70	-5.99	13.90	0.00	-3.60	-5.71
17	8.78	-0.40	2.80	11.72	-3.20	-4.79	13.90	2.20	-3.70	-7.01
18	7.28	2.50	3.10	12.41	-4.41	-3.50	14.00	3.70	-4.20	-8.21
19	5.87	3.60	3.00	12.81	-6.01	-2.50	13.91	5.11	-4.40	-9.09
20	0.90	-3.90	2.20	13.21	-7.92	-1.00	14.09	6.51	-4.40	-8.79
21	-0.10	4.20	1.60	13.37	-9.42	2.70	13.87	6.51	-4.50	-8.29
22	0.60	4.30	0.80	12.69	-10.43	5.60	13.05	7.69	-4.50	-7.39
23	-1.20	4.30	0.50	12.28	-11.71	6.11	11.78	7.29	-4.70	-6.69
24	2.70	4.30	-0.10	11.67	-12.00	7.41	10.38	6.19	-4.30	-6.09
25	3.30	5.00	0.00	10.44	-11.97	7.89	9.47	4.99	-3.20	-5.19
26	3.40	4.80	0.30	8.09	-10.86	7.50	7.99	3.99	-1.70	-3.60
27	3.00	4.00	0.50	7.68	-9.47	7.09	7.58	1.60	-0.80	-2.00
28	2.00	3.00	0.70	6.09	-7.66	6.39	6.00	0.00	0.10	-1.50
29	1.70	2.70	-0.40	4.50	-4.80	5.80	5.60	1.00	0.90	-0.90
30	1.40	2.10	1.90	3.90	-4.19	5.20	5.60	1.40	2.20	0.20
31	0.00	1.50	4.20	4.00	-1.70	4.90	6.10	1.50	3.20	0.30
32	1.30	0.80	4.30	4.40	0.50	4.20	6.51	1.50	3.90	0.30
33	3.51	0.40	3.80	5.41	1.70	4.10	7.21	1.50	4.70	0.30
34	6.02	1.00	3.20	6.72	0.40	3.80	7.81	1.50	5.21	0.70
35	9.04	2.00	2.80	8.52	2.50	4.40	8.20	1.40	6.11	0.98
36	11.25	2.50	2.80	9.93	2.90	5.30	8.40	1.30	7.11	0.98
37	13.15	2.20	2.00	11.55	-4.81	5.71	8.40	2.10	7.71	-1.10
38	14.43	1.80	1.50	13.21	-6.83	6.70	8.40	2.60	8.31	-0.80
39	14.97	1.30	0.20	13.60	-9.53	6.70	8.29	2.80	8.70	0.30
40	14.33	0.80	0.30	13.70	-11.01	6.20	7.90	3.30	8.90	1.30
41	12.75	0.30	1.90	13.70	-11.20	6.01	7.90	4.40	8.90	3.30
42	11.35	4.80	3.40	13.58	-11.20	7.81	7.69	5.60	9.00	5.20
43	9.46	5.80	4.50	13.10	-11.18	8.72	6.60	6.81	9.20	5.50
44	7.17	6.30	5.10	13.19	-10.57	10.12	6.10	6.90	9.41	5.60
45	4.69	6.30	4.50	12.80	-9.19	11.04	5.79	7.20	9.82	5.90
46	3.50	6.80	4.30	12.69	-8.80	12.45	5.10	7.60	10.62	5.40
47	4.81	7.00	4.00	12.40	-8.50	13.93	4.60	8.00	11.41	4.90
48	5.91	6.60	2.80	12.30	-8.50	14.60	4.30	8.10	11.83	4.30
49	7.32	6.39	1.00	12.39	-8.30	14.69	3.90	8.41	12.82	4.10
50	9.102	5.70	0.40	11.99	-8.10	14.46	3.60	9.00	13.31	3.90

STATION=KUSHIRO-S
TOTAL NUMBER OF DATA= 6000

CORRECTION=ARC.ERR,
FORMAT NO.=501

SIGNAL=GR.ACC,
INTERVAL= 0.0101/SEC

COMPONENT=E-W
SAMPLING INTERVAL= 0.0101/SEC

RECORD=S=634
DATE AND TIME=1971-08-02-16-25

RECORD=S*634 COMPONENT=E=N SIGNAL=GR,ACC. CORRECTION=ARC,ERN, STATION=KUSHIRO=S
 DATE AND TIME=1971-08-02-16-25 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	3.20	0.20	8.70	-6.89	4.24	8.97	9.81	8.40	9.50	-1.80
2	2.40	-0.80	8.70	-6.39	6.21	7.29	-10.32	8.41	9.50	0.60
3	2.00	-2.60	8.70	-5.70	7.10	6.69	-11.12	9.30	9.30	1.40
4	1.80	-4.00	8.70	-4.99	7.51	5.99	-11.72	9.30	9.10	2.80
5	2.50	-4.80	8.70	-3.40	8.10	5.19	-12.52	9.51	8.90	3.50
6	3.20	-5.30	8.70	-1.60	8.30	4.30	-13.01	9.79	8.80	3.60
7	4.31	-5.60	8.70	0.00	8.30	3.40	-13.20	9.38	8.60	3.70
8	5.71	-5.80	8.70	1.80	8.40	3.10	-13.28	8.99	8.50	2.90
9	7.11	-5.30	8.70	3.50	8.30	2.90	-12.77	8.19	8.19	2.00
10	8.42	-4.90	8.60	4.90	8.10	2.80	-11.98	7.90	7.79	0.30
11	9.83	-6.10	8.60	5.59	7.80	2.50	-11.26	7.60	7.20	-1.20
12	11.23	-6.41	8.50	4.80	7.70	2.10	-9.96	7.20	6.79	-1.80
13	12.35	-7.31	8.50	4.40	7.60	2.00	-8.25	7.10	5.99	-2.91
14	13.70	-8.34	8.50	3.50	7.19	2.90	-5.18	6.90	5.00	-6.01
15	13.59	-10.82	8.30	3.90	6.50	3.60	-2.40	6.80	4.30	-7.01
16	13.28	-11.53	8.20	3.60	6.10	4.40	-1.30	7.31	3.60	-7.73
17	12.90	-12.73	8.30	3.50	5.50	5.41	-0.10	8.11	2.60	-10.12
18	12.80	-13.69	8.19	3.20	5.10	6.30	0.60	8.71	1.30	-10.91
19	12.69	-13.48	7.70	2.60	4.80	6.41	0.30	9.11	0.30	-11.20
20	12.50	-12.96	7.70	1.60	4.40	7.30	0.30	9.40	-0.70	-11.19
21	12.40	-11.95	7.70	0.10	4.80	7.20	0.50	9.61	-1.40	-10.97
22	12.38	-10.36	7.69	-1.00	5.30	6.99	1.00	10.10	-1.70	-9.67
23	11.88	-8.77	7.30	-2.20	5.90	8.10	1.20	10.29	-0.70	-8.28
24	11.20	-6.68	6.90	-3.70	6.10	5.49	1.60	9.89	0.00	-7.09
25	11.19	-4.39	6.90	-4.81	6.20	4.69	1.70	9.58	1.00	-6.09
26	10.99	-1.80	6.90	-6.00	6.80	3.20	1.90	8.68	1.90	-5.40
27	10.59	0.70	6.90	-6.10	7.09	1.50	2.30	7.66	2.40	-5.30
28	10.19	2.60	6.90	-6.00	6.60	0.90	2.50	6.49	3.50	-4.80
29	9.80	2.60	6.90	-5.59	6.19	0.40	3.20	5.69	3.80	-3.80
30	9.69	4.40	6.59	-4.79	5.40	0.30	3.50	4.50	3.90	-2.80
31	9.19	5.51	5.29	-3.40	4.79	0.40	4.20	4.10	3.60	-1.90
32	8.90	6.61	3.90	-2.70	3.70	0.60	4.70	3.00	3.10	-0.70
33	8.69	7.51	2.50	-2.30	3.10	0.10	5.40	2.60	3.00	0.20
34	8.30	8.09	1.20	-2.00	2.90	-0.00	5.80	2.20	2.60	1.40
35	8.20	7.51	-1.20	-1.20	3.00	-1.10	6.00	1.90	1.80	2.40
36	8.20	8.01	-2.90	-0.50	3.40	-2.40	6.51	1.60	0.90	2.00
37	7.98	8.51	-4.30	-0.40	4.10	-3.80	7.41	1.30	-0.30	1.50
38	6.59	9.31	-5.11	-0.40	5.11	-4.90	8.51	1.00	-1.80	0.60
39	5.99	9.70	-6.30	0.10	7.12	-5.20	9.21	1.40	-4.01	-0.00
40	4.89	9.90	-6.80	0.30	9.12	-5.40	9.80	2.50	-6.51	-0.40
41	3.80	10.10	-7.31	0.30	10.54	-6.11	9.82	4.21	-7.81	0.00
42	2.60	10.10	-7.90	-0.00	12.25	-7.00	10.70	5.61	-8.81	0.30
43	1.40	9.99	-8.00	-0.40	13.92	-7.01	10.77	6.61	-9.51	0.90
44	0.60	9.59	-7.80	-0.40	14.38	-7.51	9.70	8.21	-9.81	1.30
45	0.00	8.90	-7.59	-0.40	15.98	-8.10	9.49	9.01	-10.50	1.50
46	0.10	8.70	-6.80	0.50	15.48	-8.10	9.10	9.51	-10.46	2.00
47	0.30	8.70	-6.70	1.10	12.88	-8.10	8.99	9.81	-8.88	2.40
48	0.90	8.70	-7.00	2.80	12.17	-8.41	8.60	10.10	-7.57	3.00
49	1.20	8.70	-7.00	2.80	11.38	-9.01	8.40	9.99	-5.39	3.60
50	1.30	8.70	-7.00	3.30	10.56	-9.60	8.40	9.70	-3.99	4.30

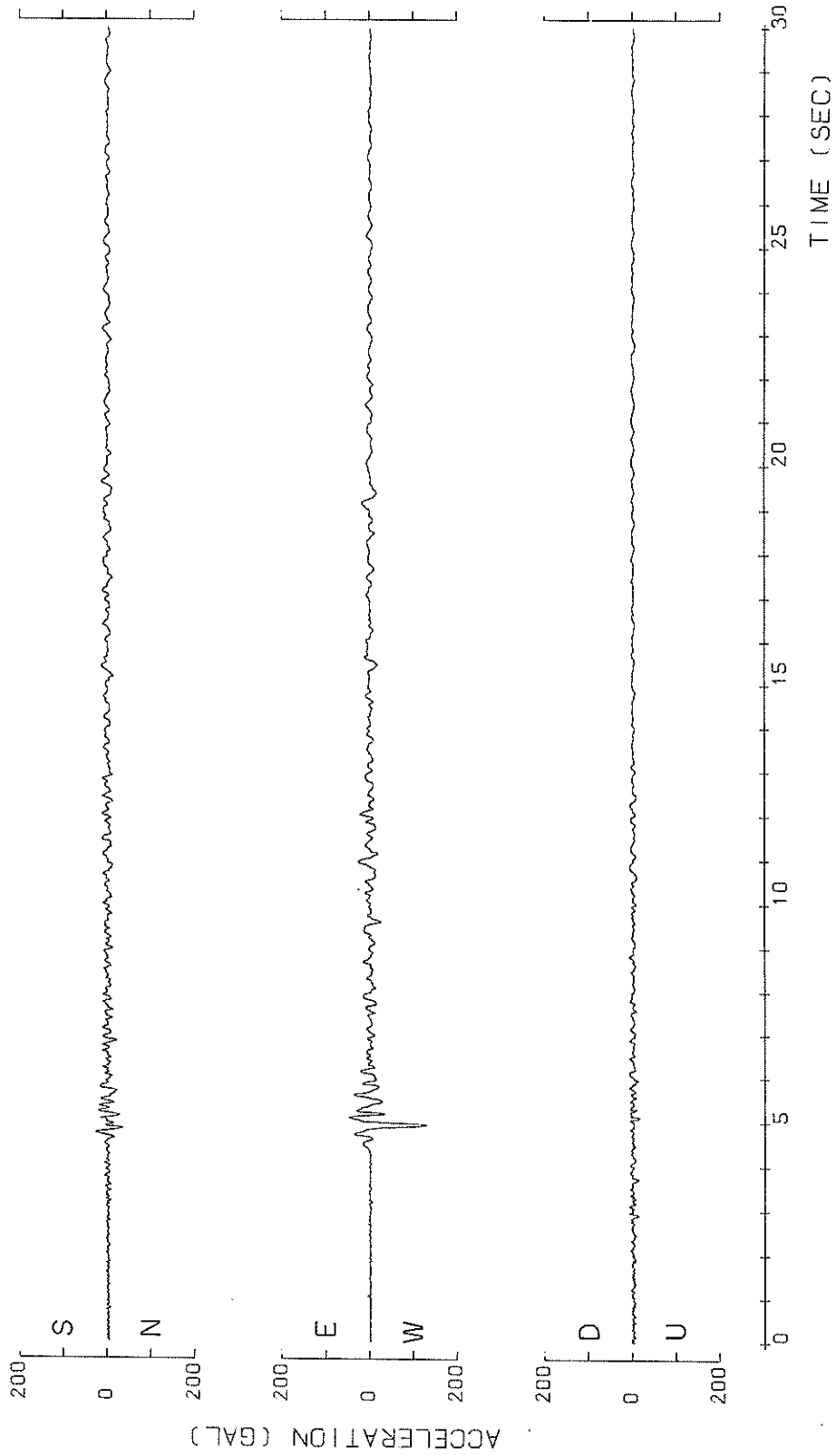
NO.	(4500)	(4550)	(4600)	(4650)	(4700)	(4750)	(4800)	(4850)	(4900)	(4950)
1	4.80	2.20	0.30	7.10	-5.80	5.80	12.09	-12.10	9.01	-7.50
2	5.20	2.00	-0.00	7.31	-6.31	6.40	11.69	-11.98	9.61	-7.40
3	5.40	1.90	-0.50	8.11	-7.32	6.81	11.39	-11.47	10.22	-6.99
4	5.80	2.60	-1.50	8.71	-8.82	7.71	10.89	-10.48	10.92	-6.39
5	6.10	3.50	-1.80	9.50	-10.01	8.32	10.37	-9.78	11.63	-5.80
6	6.20	3.80	-2.50	9.72	-10.61	9.52	8.97	-8.58	12.73	-5.29
7	6.00	4.00	-3.20	10.92	-11.00	10.31	7.27	-7.12	13.73	-4.40
8	5.90	4.60	-4.10	11.85	-11.12	10.82	4.39	-5.99	14.54	-3.80
9	5.30	5.50	-5.11	13.43	-11.81	11.52	3.00	-5.09	15.33	-3.10
10	4.60	6.00	-6.11	14.21	-12.21	12.21	2.40	-4.00	15.82	-2.60
11	4.40	6.20	-7.50	14.38	-12.40	12.50	0.90	-2.70	16.09	-2.10
12	4.10	7.00	-7.69	13.48	-12.60	12.61	-0.30	-2.00	15.99	-1.50
13	4.10	7.00	-7.29	13.47	-12.60	12.91	-2.40	-1.20	15.76	-1.50
14	3.80	7.80	-6.49	12.79	-12.60	13.31	-3.20	-0.40	14.98	-0.50
15	4.30	7.40	-5.70	12.38	-12.61	13.60	-4.31	0.50	14.58	0.30
16	4.60	7.69	-5.09	11.78	-13.01	13.61	-5.61	1.50	14.09	0.90
17	5.30	7.29	-3.80	11.19	-13.31	13.80	-6.41	2.20	13.78	1.90
18	5.30	6.49	-2.80	10.78	-13.62	13.80	-7.21	2.90	13.38	2.70
19	5.30	5.79	-1.60	9.88	-14.01	13.80	-8.10	3.10	12.78	3.40
20	5.30	5.10	-0.50	8.89	-14.33	13.80	-8.00	3.50	12.18	4.10
21	5.30	4.30	0.20	8.60	-14.90	13.70	-8.00	4.00	11.68	4.60
22	5.30	3.60	0.30	8.39	-14.99	13.70	-7.70	4.30	10.97	5.30
23	5.60	3.40	0.80	7.89	-14.65	13.59	-7.70	4.60	9.78	5.91
24	6.11	3.00	1.10	7.30	-13.55	13.40	-7.40	4.60	8.78	6.71
25	6.81	2.20	1.50	7.29	-13.25	13.29	-7.10	4.40	7.79	7.61
26	7.91	2.00	2.30	6.49	-10.67	12.99	-7.10	4.30	6.69	8.11
27	8.71	2.10	3.00	5.20	-9.49	12.69	-7.10	4.10	5.49	8.51
28	9.51	2.40	3.50	4.59	-8.88	12.40	-7.20	4.00	4.40	8.11
29	10.11	2.60	3.90	4.59	-7.99	12.80	-7.30	4.00	3.30	9.62
30	10.38	3.00	4.60	4.60	-6.99	12.80	-7.30	4.00	2.00	10.52
31	9.60	3.50	5.40	2.10	-6.40	12.31	-7.40	4.30	0.90	11.30
32	9.48	3.80	6.10	2.10	-6.19	12.51	-7.40	4.60	-0.20	11.30
33	8.69	4.70	6.50	1.90	-5.00	12.80	-7.50	5.71	-1.10	11.29
34	7.78	5.30	7.00	2.30	-4.50	12.80	-7.50	6.61	-2.10	11.09
35	6.49	5.70	7.20	2.40	-4.20	12.90	-7.60	7.20	-3.40	10.69
36	5.09	6.00	7.20	2.40	-3.80	12.91	-7.80	7.20	-4.60	10.09
37	3.50	6.20	6.90	2.50	-3.10	13.21	-8.10	7.20	-5.50	9.49
38	2.40	6.50	6.70	2.90	-2.50	13.40	-8.41	7.00	-6.11	9.20
39	2.10	6.50	6.50	3.10	-2.10	13.40	-8.81	7.00	-7.01	8.99
40	1.90	6.10	6.30	3.20	-1.60	13.30	-9.31	6.70	-7.50	8.69
41	1.50	5.60	6.20	3.20	-0.90	13.30	-10.01	6.80	-7.50	8.29
42	1.30	5.30	6.10	2.60	0.50	13.28	-10.41	6.70	-7.50	7.79
43	1.40	4.90	6.00	0.90	0.90	13.28	-10.92	6.80	-7.40	7.09
44	2.10	4.50	6.00	1.10	1.60	12.90	-11.51	6.80	-7.00	5.99
45	2.50	4.30	6.00	1.20	2.20	12.90	-12.00	7.00	-7.00	5.10
46	2.70	4.00	5.80	0.90	3.40	12.90	-12.10	7.20	-7.00	4.40
47	2.70	3.30	5.90	2.00	3.70	12.89	-12.10	7.50	-7.40	3.50
48	2.70	2.40	5.90	-2.90	4.10	12.70	-12.10	7.90	-7.60	2.70
49	2.40	1.40	6.30	-3.80	4.50	12.59	-12.10	8.21	-7.70	1.90
50	2.40	0.60	6.41	-4.90	5.00	12.39	-12.10	8.61	-7.60	1.20

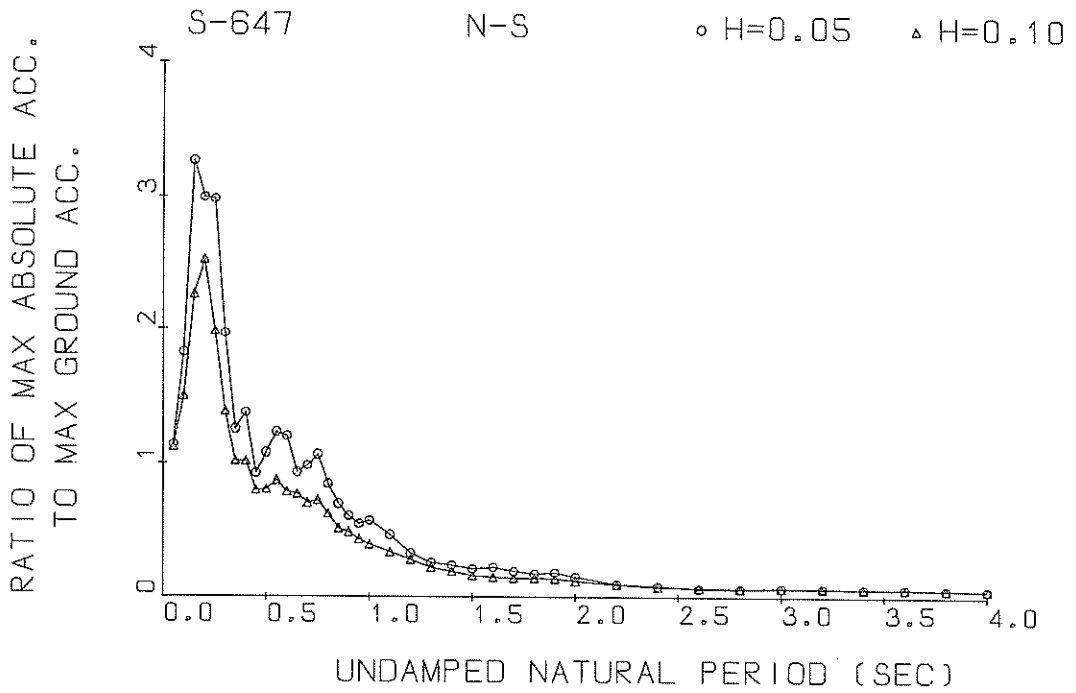
RECORDS=634 COMPONENT=E-W SIGNAL=GR,ACC, CORRECTION=ARC,ERR, STATION=KUSHIRO-S
 DATE AND TIME=1971-08-02-16-25 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 6000

NO.	(5000)	(5050)	(5100)	(5150)	(5200)	(5250)	(5300)	(5350)	(5400)	(5450)
1	0.90	-2.80	-0.90	3.90	2.50	-4.30	8.69	-1.60	3.60	3.90
2	0.90	-1.40	-1.60	3.90	3.00	-4.40	8.09	-1.00	4.10	3.70
3	0.90	0.90	-2.40	3.90	2.90	-4.70	7.19	-0.60	4.80	3.60
4	1.60	1.60	3.10	3.60	2.70	-4.70	6.50	0.00	5.50	3.40
5	0.70	3.00	3.10	3.40	2.40	-4.70	6.10	0.40	5.90	3.20
6	0.30	4.10	3.10	3.40	2.40	-4.70	5.80	1.10	6.10	3.10
7	-0.00	4.60	3.10	3.40	2.40	-4.70	5.70	1.80	6.10	2.90
8	-0.30	5.50	3.10	3.40	2.60	-4.70	5.80	2.40	6.10	2.50
9	0.60	6.11	3.00	3.70	2.90	-4.70	5.80	3.10	5.70	1.90
10	1.00	7.01	2.70	3.70	3.30	-4.40	5.40	3.10	5.50	1.20
11	1.40	8.21	-2.80	3.70	3.50	-4.20	5.10	3.00	5.40	0.80
12	-1.70	8.70	-2.80	3.40	3.90	-4.00	5.00	3.00	5.10	0.50
13	-2.30	9.01	3.00	3.40	4.40	-3.70	4.40	2.70	4.50	-0.10
14	-2.70	9.61	3.50	3.40	4.80	-3.30	4.10	2.50	4.00	-0.70
15	-2.70	10.11	4.00	3.50	5.10	-3.30	3.70	2.40	3.20	-0.70
16	-2.60	11.02	4.70	3.70	5.20	-3.20	3.40	2.20	2.80	-0.60
17	-2.40	11.93	4.60	4.60	5.00	-2.80	3.10	2.10	1.60	0.10
18	-2.40	13.03	5.20	5.20	4.80	-2.60	2.50	2.10	0.90	0.10
19	-2.40	14.34	5.50	4.60	4.60	-2.60	1.70	2.10	0.30	0.30
20	-2.70	15.15	5.90	4.60	4.60	-2.80	1.20	2.00	-0.40	0.60
21	-3.10	16.29	5.90	5.90	4.60	-3.10	0.60	2.10	-1.10	0.90
22	-3.50	17.87	5.80	5.80	5.00	-3.70	0.30	2.10	-1.10	1.00
23	-3.80	18.86	5.90	5.90	5.00	-3.70	0.40	2.00	-1.10	1.40
24	-4.70	19.66	5.80	5.80	5.00	-3.70	-1.00	1.70	-1.10	1.80
25	-5.70	20.34	6.01	6.01	5.00	-3.20	-1.10	1.40	-1.10	1.90
26	-6.00	20.70	6.70	6.70	4.70	-3.00	-0.70	1.20	-1.00	1.90
27	-6.50	20.70	7.09	7.21	4.40	-2.80	-0.40	0.60	-0.70	2.10
28	-6.80	20.66	6.40	8.11	4.10	-1.60	0.00	0.30	-0.60	2.30
29	-7.11	20.25	6.00	8.61	3.90	-0.70	0.40	0.40	-0.40	2.90
30	-7.70	19.64	5.40	9.00	3.40	0.50	0.60	-0.10	-0.20	2.90
31	-8.01	18.95	-5.10	8.90	3.00	1.80	1.00	0.70	0.20	2.90
32	-8.42	18.25	5.10	8.90	2.30	3.10	1.40	1.10	0.20	2.70
33	-9.42	17.53	5.10	8.80	1.60	4.00	1.70	1.30	0.70	2.40
34	-10.21	16.41	5.40	8.59	1.20	5.30	1.70	1.30	1.90	2.30
35	-10.82	14.86	5.40	7.89	0.60	5.91	1.70	1.10	2.50	2.10
36	-11.52	13.95	5.20	7.49	0.30	7.11	1.60	1.00	3.00	2.10
37	-12.20	12.74	5.20	6.99	-0.00	8.02	1.70	0.80	3.40	2.00
38	-12.20	11.17	5.20	6.19	0.30	9.11	1.50	0.80	3.40	2.80
39	-12.20	9.98	4.70	5.10	0.40	9.72	1.30	0.60	3.40	1.90
40	-12.19	8.99	4.00	4.20	0.40	10.51	0.90	0.30	3.40	1.90
41	-11.98	8.29	3.20	3.70	0.90	11.10	0.30	0.70	3.40	1.90
42	-11.47	7.59	2.40	3.10	1.40	11.10	-0.60	0.90	3.40	1.60
43	-10.38	7.09	1.70	2.50	1.70	11.19	-1.20	1.20	3.40	1.30
44	-9.49	6.19	0.60	2.00	2.00	10.89	-1.70	1.30	3.60	0.70
45	-8.78	4.99	0.50	1.70	2.60	10.59	-2.00	1.60	4.00	0.30
46	-7.69	3.90	1.90	1.70	3.10	10.28	-2.00	2.00	4.10	-0.20
47	-6.69	2.50	2.80	1.70	3.10	9.50	-2.00	2.30	4.10	-0.70
48	-5.69	1.30	3.40	2.00	3.60	9.29	-2.00	2.70	4.10	-1.00
49	-4.00	0.30	3.70	2.20	4.00	8.90	-2.00	3.20	4.10	-1.20

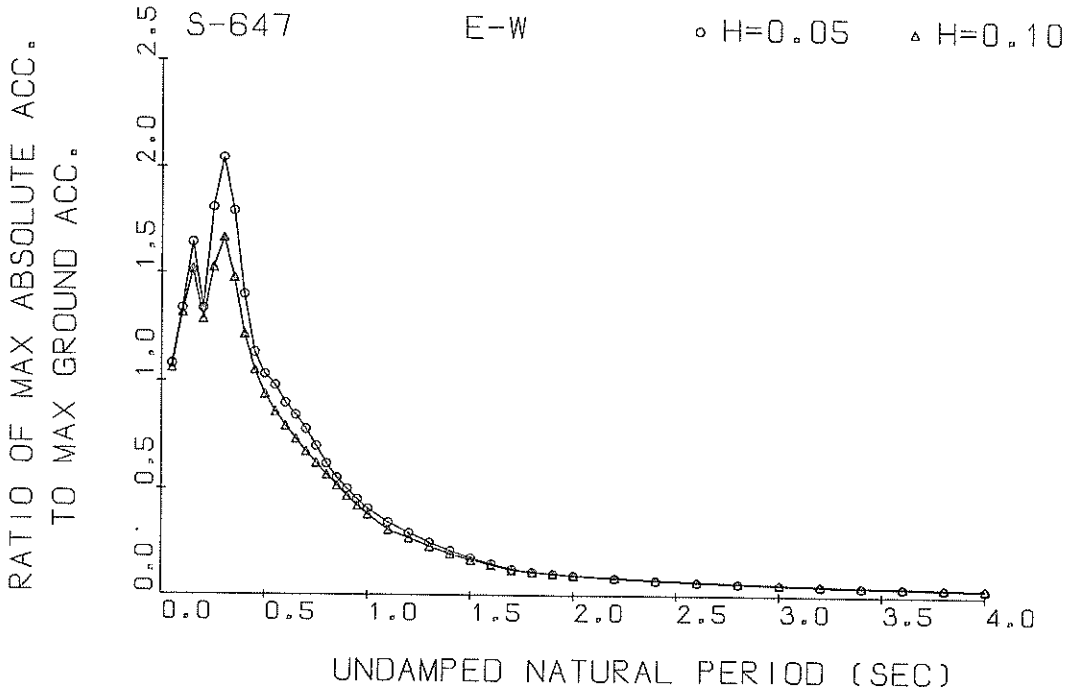
NO.	(5500)	(5550)	(5600)	(5650)	(5700)	(5750)	(5800)	(5850)	(5900)	(5950)
1	-1.50	4.00	4.20	*6.10	9.70	-0.80	3.70	3.00	-0.60	6.30
2	-1.50	4.91	3.90	*6.10	9.91	-0.40	3.70	3.60	-0.60	6.00
3	-1.50	5.91	3.80	*6.40	10.31	0.10	3.70	4.40	-0.60	5.90
4	-1.40	7.01	3.50	*6.40	10.71	0.60	3.50	5.10	-0.50	5.90
5	-1.10	7.91	2.90	*6.70	11.32	1.00	3.50	5.50	-0.60	5.60
6	-0.70	8.72	2.60	*6.80	12.22	1.00	3.50	5.50	-0.60	5.30
7	-0.10	9.71	2.00	*6.80	12.83	1.10	3.30	5.10	0.20	5.00
8	0.50	10.20	1.60	*6.80	13.73	0.70	3.00	5.10	0.20	4.70
9	1.20	10.20	1.30	*6.80	14.53	0.30	2.90	4.80	0.50	4.40
10	1.60	10.20	1.00	*6.80	15.13	-0.30	2.50	4.50	0.50	4.40
11	2.00	10.29	0.80	*6.80	15.72	-1.00	2.80	4.50	1.50	4.40
12	2.00	9.89	0.30	*6.70	16.02	-1.00	1.90	4.40	2.20	4.40
13	2.40	9.49	-0.60	*6.40	16.30	-1.00	1.50	4.80	2.80	4.40
14	2.90	8.79	-0.90	*6.20	16.28	-1.00	1.20	5.10	3.80	4.60
15	3.00	8.29	-0.90	*5.99	15.85	-1.00	0.50	5.30	4.50	4.80
16	3.00	7.89	-0.90	*5.30	14.97	-0.60	0.10	5.50	4.70	5.00
17	2.80	6.49	-0.70	*4.80	14.26	0.00	0.10	5.80	5.00	5.00
18	2.50	5.50	-0.60	*4.30	13.36	0.50	0.20	5.50	5.00	5.00
19	2.50	5.10	-0.30	*4.00	12.37	0.50	0.10	5.40	4.70	5.00
20	2.20	5.10	0.10	*3.80	11.36	0.50	0.60	5.10	4.70	5.00
21	2.20	5.50	0.40	*3.40	9.97	0.10	0.80	4.90	4.50	4.80
22	2.20	5.50	0.80	*3.10	8.49	-0.20	0.70	4.70	4.30	4.50
23	1.90	5.70	0.80	*2.80	7.59	-0.60	1.10	4.60	3.70	4.00
24	1.40	5.70	0.80	*2.50	6.79	-0.70	1.20	4.40	3.40	3.70
25	0.90	6.00	0.30	*1.70	6.19	-0.60	1.50	4.40	3.00	3.00
26	0.50	6.40	0.00	-1.00	5.30	-0.60	1.70	4.40	3.10	2.40
27	-0.20	6.80	0.00	-0.60	4.80	-0.60	2.10	4.40	3.10	1.70
28	-1.00	7.00	1.00	0.90	4.40	-1.00	2.50	4.40	3.40	1.00
29	-1.40	7.30	-1.20	1.90	4.10	-0.40	3.20	4.40	3.60	0.30
30	-1.40	7.30	-1.40	2.60	3.70	0.00	3.90	4.20	3.60	0.40
31	-1.30	7.40	-1.70	2.90	3.40	0.60	4.10	4.10	4.10	-1.00
32	-1.10	7.50	-1.80	3.50	3.40	0.90	4.40	3.90	4.10	-1.40
33	-0.70	7.50	-2.10	4.30	3.10	1.40	4.40	3.60	3.60	-1.40
34	-0.40	7.20	-2.30	5.20	2.90	1.80	4.40	3.40	3.40	-1.20
35	0.00	6.80	-2.30	6.81	2.40	2.20	4.30	3.10	3.30	-0.60
36	0.30	6.40	-2.30	6.51	2.00	2.40	3.80	2.80	3.30	0.20
37	0.60	6.20	-2.30	7.20	1.30	2.80	3.40	2.50	3.20	1.10
38	0.80	6.20	-2.10	7.60	0.50	3.30	3.00	2.00	3.20	1.90
39	0.90	5.80	-2.20	8.10	-0.00	3.50	2.70	1.30	3.40	2.50
40	0.90	5.50	-2.10	8.90	-0.70	3.60	2.40	0.30	3.40	2.90
41	0.90	5.20	-2.10	8.20	-1.20	3.70	2.00	0.40	3.60	3.40
42	0.90	5.10	-2.30	8.50	-2.00	3.70	1.70	1.00	3.60	3.40
43	1.10	5.00	-2.60	8.50	-2.70	3.70	1.30	1.40	3.90	3.90
44	1.40	4.80	-2.70	8.50	-2.90	3.70	1.20	2.00	4.60	3.90
45	1.80	4.60	-3.10	8.60	-2.90	3.90	1.20	2.00	5.00	3.90
46	2.00	4.40	-3.50	8.70	-2.80	4.10	1.20	2.00	5.50	3.90
47	2.20	4.40	-4.00	8.80	-2.70	4.30	1.20	2.00	5.90	3.90
48	2.50	4.40	-5.00	9.01	-2.20	4.30	1.20	1.60	6.20	3.70
49	2.80	4.20	-5.60	9.41	-1.70	4.30	1.40	1.40	6.20	3.70
50	3.40	4.20	-6.00	9.70	-1.40	4.10	2.00	1.00	6.30	3.40

S-647 KASHIMA-S 1971-10-11-19-16

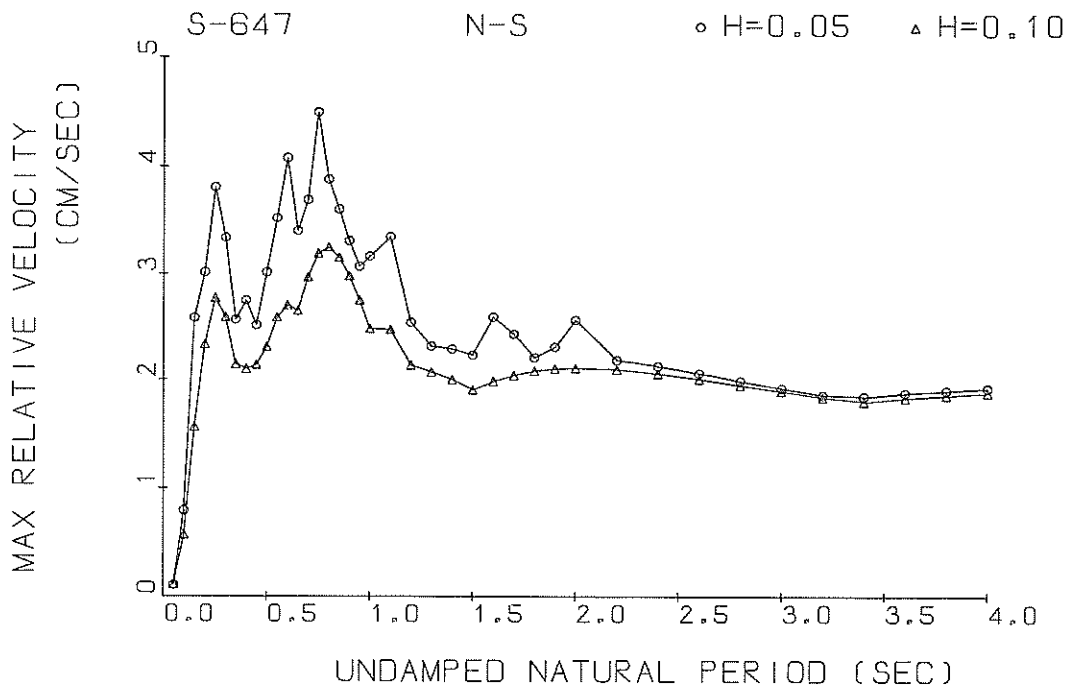




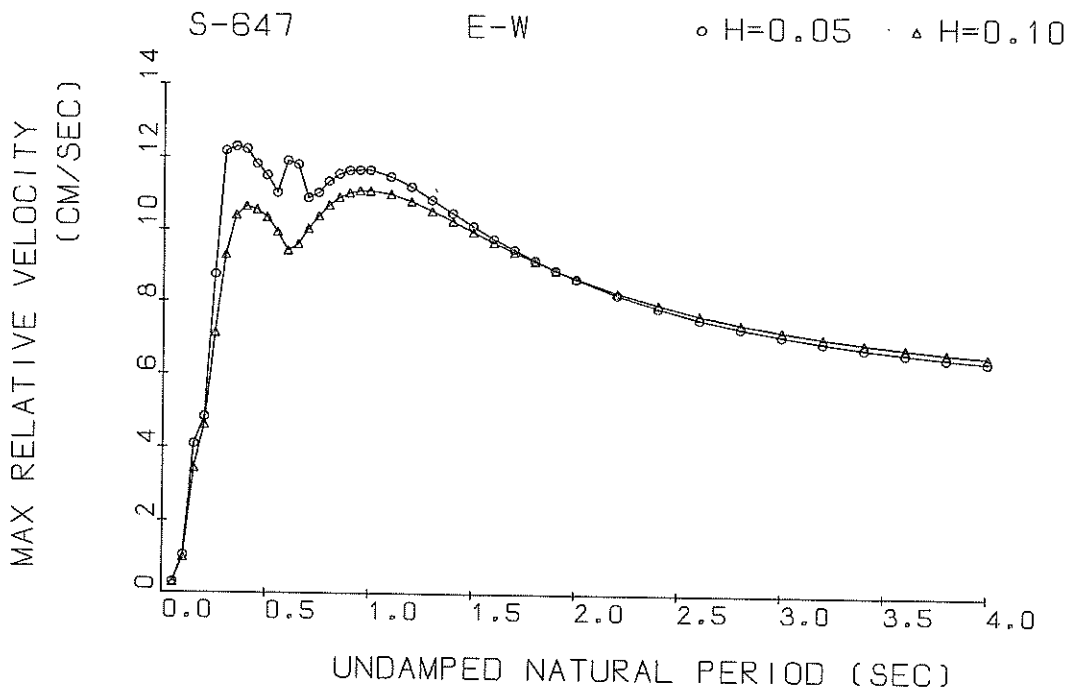
Response Spectra



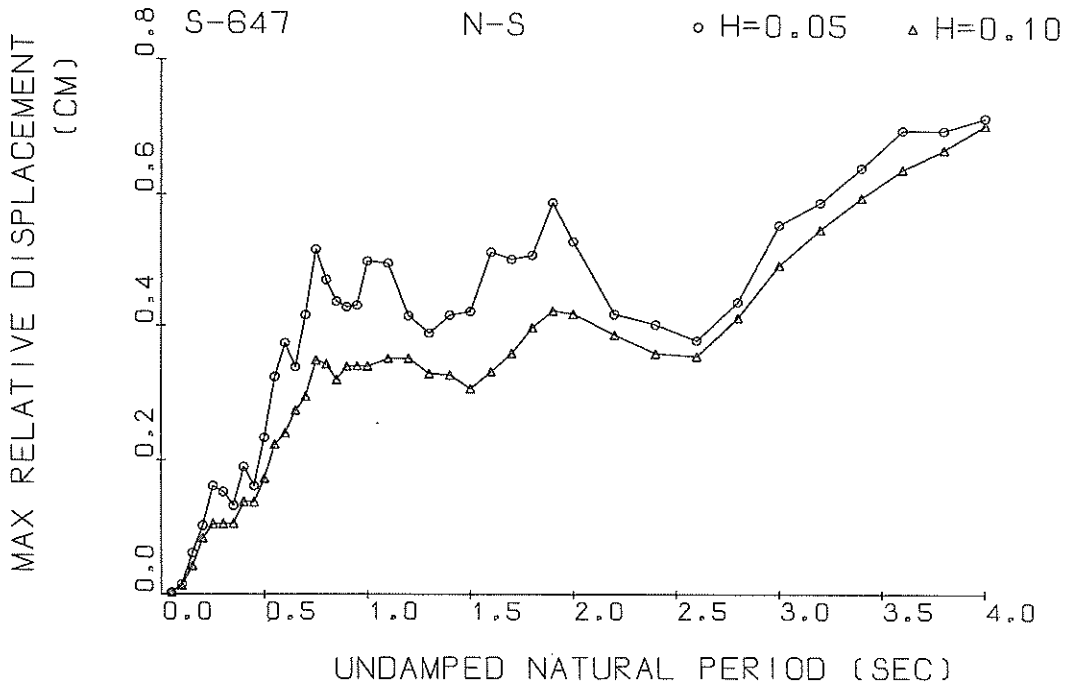
Response Spectra



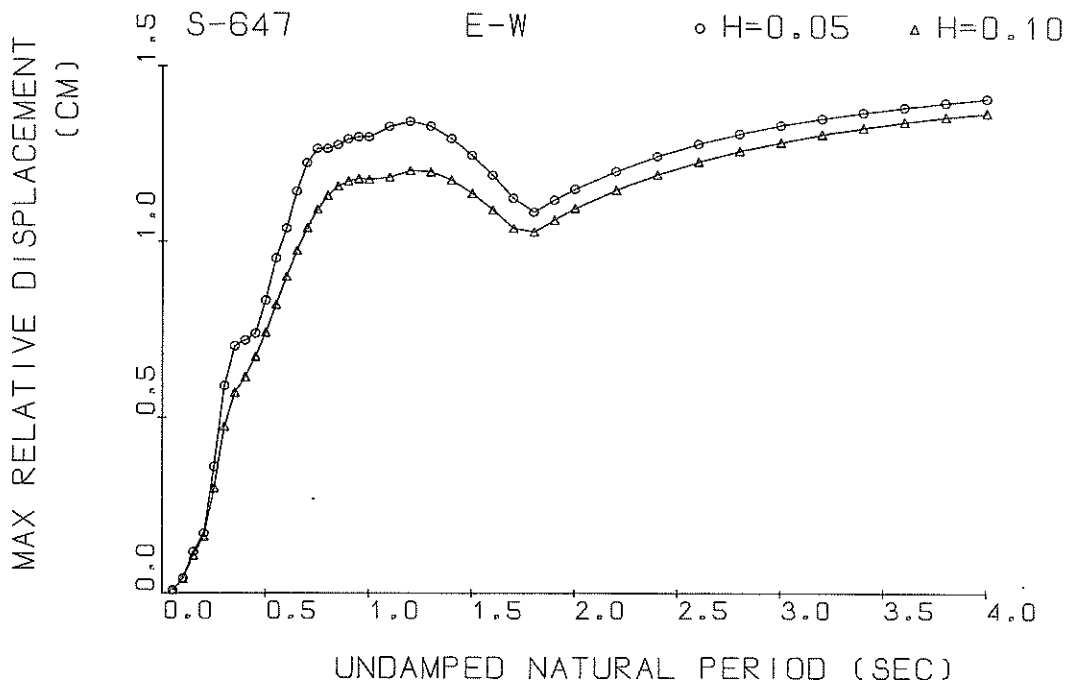
Response Spectra



Response Spectra



Response Spectra

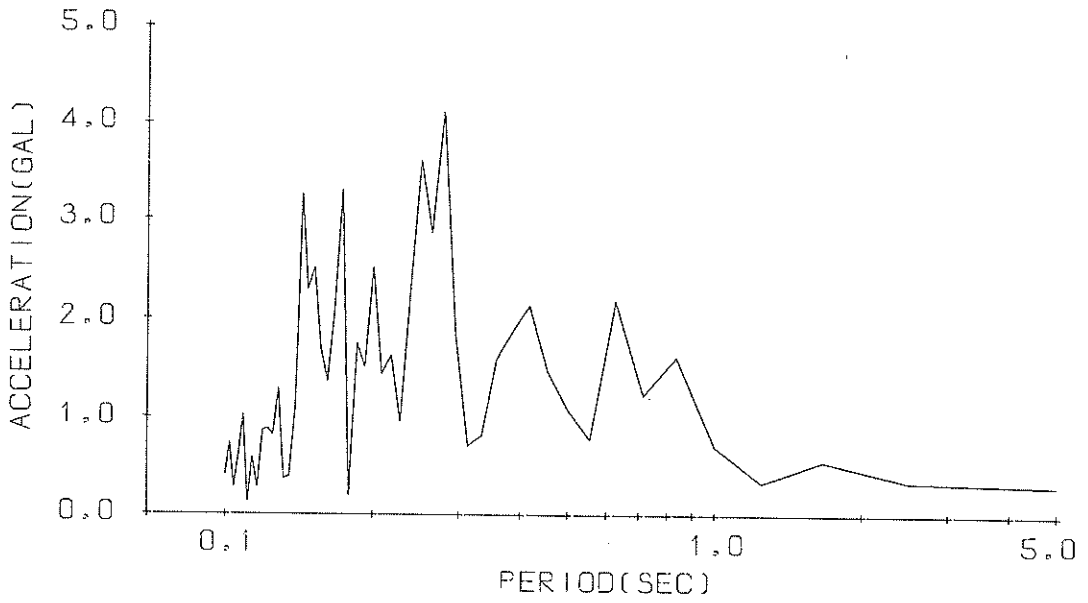


Response Spectra

S-647 N-S

TSK=4.00

TUS=5.00

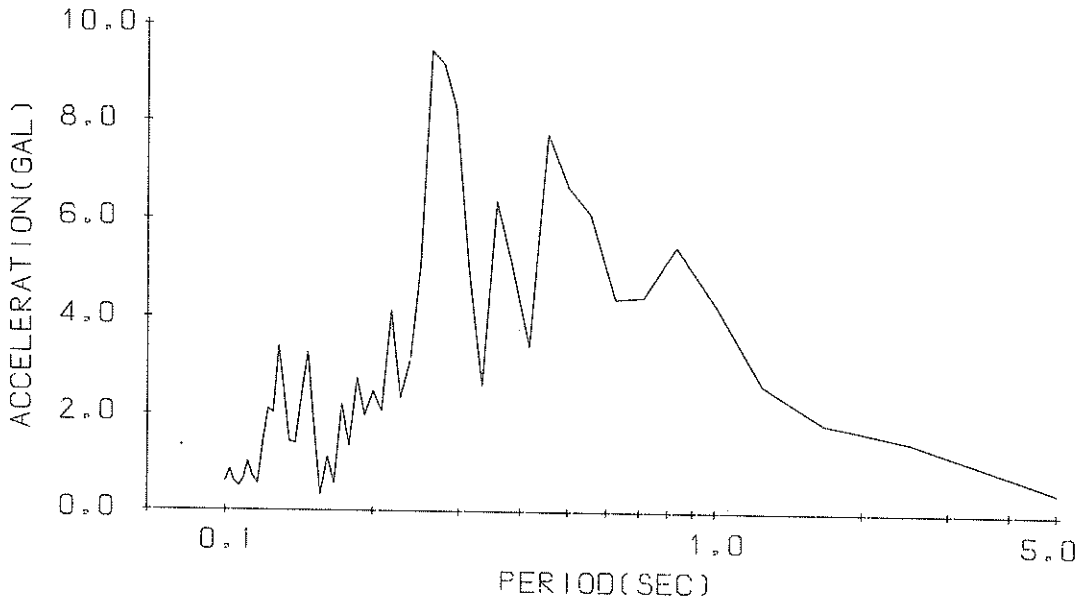


Fourier Spectrum

S-647 E-W

TSK=4.00

TUS=5.00



Fourier Spectrum

RESPONSE SPECTRUM

RECORD = S-647 N-S 1971-10-11-19-16
 STATION = KASHIMA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 4.00(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 34.28(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.133	38.84	7.98	0.102	0.0025
0.100	1.821	62.44	45.23	0.795	0.0158
0.150	3.265	111.94	110.30	2.579	0.0635
0.200	2.993	102.62	104.18	3.012	0.1034
0.250	2.980	102.18	98.10	3.809	0.1615
0.300	1.960	67.19	84.26	3.335	0.1525
0.350	1.250	42.87	65.00	2.559	0.1320
0.400	1.374	47.12	54.29	2.745	0.1896
0.450	0.923	31.65	45.71	2.506	0.1611
0.500	1.077	36.93	43.48	3.010	0.2331
0.550	1.233	42.28	48.95	3.520	0.3226
0.600	1.202	41.21	50.19	4.075	0.3737
0.650	0.928	31.80	50.93	3.403	0.3377
0.700	0.983	33.71	46.63	3.690	0.4162
0.750	1.064	36.47	43.59	4.497	0.5169
0.800	0.850	29.14	39.93	3.880	0.4698
0.850	0.701	24.04	39.32	3.604	0.4370
0.900	0.612	20.99	38.86	3.308	0.4282
0.950	0.552	18.94	38.52	3.069	0.4310
1.000	0.577	19.80	38.28	3.165	0.4985
1.100	0.475	16.28	38.01	3.348	0.4953
1.200	0.334	11.45	37.88	2.536	0.4150
1.300	0.267	9.14	37.81	2.307	0.3887
1.400	0.247	8.46	37.74	2.281	0.4164
1.500	0.218	7.47	37.66	2.225	0.4218
1.600	0.232	7.95	37.57	2.589	0.5131
1.700	0.201	6.90	37.47	2.425	0.5019
1.800	0.182	6.24	37.35	2.200	0.5082
1.900	0.190	6.51	37.23	2.301	0.5888
2.000	0.154	5.29	37.11	2.559	0.5292
2.200	0.101	3.47	36.87	2.176	0.4179
2.400	0.082	2.83	36.63	2.119	0.4028
2.600	0.066	2.26	36.42	2.052	0.3788
2.800	0.066	2.26	36.23	1.984	0.4377
3.000	0.072	2.48	36.06	1.917	0.5562
3.200	0.068	2.32	35.90	1.852	0.5903
3.400	0.065	2.24	35.77	1.841	0.6423
3.600	0.064	2.18	35.65	1.870	0.6986
3.800	0.057	1.96	35.54	1.896	0.6987
4.000	0.053	1.83	35.45	1.918	0.7180

RESPONSE SPECTRUM

RECORD = S-647 N-S 1971-10-11-19-16
 STATION = KASHIMA-S INPUT SIGNAL = GR,ACC,
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 4.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 34.28(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.116	38.26	7.17	0.107	0.0024
0.100	1.495	51.26	34.19	0.574	0.0129
0.150	2.254	77.29	65.69	1.559	0.0435
0.200	2.516	86.28	85.68	2.322	0.0853
0.250	1.979	67.85	71.08	2.766	0.1056
0.300	1.380	47.30	69.30	2.584	0.1061
0.350	1.015	34.80	57.07	2.137	0.1061
0.400	1.012	34.68	50.27	2.091	0.1379
0.450	0.799	27.40	45.51	2.133	0.1376
0.500	0.806	27.65	43.33	2.298	0.1722
0.550	0.875	29.99	42.57	2.583	0.2228
0.600	0.786	26.95	45.07	2.699	0.2400
0.650	0.771	26.42	45.59	2.646	0.2730
0.700	0.705	24.17	42.62	2.968	0.2938
0.750	0.726	24.88	40.35	3.192	0.3478
0.800	0.630	21.60	39.75	3.248	0.3417
0.850	0.518	17.77	39.25	3.151	0.3186
0.900	0.493	16.91	38.84	2.982	0.3390
0.950	0.443	15.20	38.53	2.747	0.3393
1.000	0.400	13.71	38.30	2.477	0.3389
1.100	0.344	11.79	38.00	2.466	0.3509
1.200	0.290	9.93	37.84	2.127	0.3512
1.300	0.229	7.86	37.73	2.065	0.3277
1.400	0.198	6.79	37.65	1.994	0.3259
1.500	0.163	5.60	37.57	1.901	0.3056
1.600	0.153	5.23	37.48	1.981	0.3310
1.700	0.146	5.00	37.39	2.038	0.3589
1.800	0.146	5.02	37.28	2.074	0.3983
1.900	0.141	4.85	37.18	2.095	0.4232
2.000	0.124	4.25	37.07	2.102	0.4185
2.200	0.098	3.35	36.85	2.088	0.3873
2.400	0.078	2.66	36.64	2.050	0.3584
2.600	0.070	2.40	36.45	2.000	0.3545
2.800	0.065	2.22	36.28	1.944	0.4135
3.000	0.068	2.32	36.12	1.888	0.4944
3.200	0.066	2.28	35.97	1.832	0.5497
3.400	0.064	2.20	35.85	1.797	0.5979
3.600	0.062	2.12	35.73	1.827	0.6406
3.800	0.058	2.00	35.63	1.853	0.6704
4.000	0.056	1.91	35.54	1.876	0.7069

RESPONSE SPECTRUM

RECORD = S-647 E-W 1971-10-11-19-16
 STATION = KASHIMA-S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO,ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 4.00(SEC)
 DAMPING COEFFICIENT = 0.050 MAX.GROUND ACC.= 127.42(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE, (GAL)	RELATIVE ACCELE, (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.078	137.33	20.83	0.297	0.0087
0.100	1.334	169.99	57.23	1.030	0.0429
0.150	1.641	209.05	153.12	4.081	0.1179
0.200	1.332	169.66	139.57	4.823	0.1716
0.250	1.805	230.04	245.61	8.736	0.3609
0.300	2.041	260.13	265.57	12.168	0.5896
0.350	1.788	227.81	260.26	12.284	0.7006
0.400	1.398	178.10	197.97	12.215	0.7172
0.450	1.133	144.35	165.98	11.796	0.7367
0.500	1.032	131.56	155.77	11.480	0.8288
0.550	0.980	124.91	160.10	11.012	0.9515
0.600	0.897	114.34	151.67	11.893	1.0374
0.650	0.844	107.49	148.09	11.794	1.1445
0.700	0.780	99.34	142.37	10.867	1.2257
0.750	0.702	89.46	135.85	11.008	1.2671
0.800	0.618	78.71	133.20	11.326	1.2666
0.850	0.553	70.45	135.46	11.525	1.2777
0.900	0.500	63.65	137.67	11.622	1.2949
0.950	0.450	57.37	139.38	11.637	1.3018
1.000	0.405	51.65	140.66	11.631	1.3018
1.100	0.343	43.66	142.17	11.464	1.3306
1.200	0.292	37.22	142.70	11.174	1.3454
1.300	0.247	31.41	142.62	10.826	1.3317
1.400	0.207	26.39	142.17	10.461	1.2969
1.500	0.174	22.13	141.54	10.100	1.2480
1.600	0.145	18.54	140.80	9.757	1.1900
1.700	0.122	15.54	140.03	9.442	1.1243
1.800	0.107	13.66	139.26	9.150	1.0840
1.900	0.100	12.70	138.52	8.881	1.1195
2.000	0.093	11.83	137.82	8.635	1.1507
2.200	0.081	10.30	136.55	8.204	1.2028
2.400	0.071	9.03	135.45	7.846	1.2469
2.600	0.063	7.97	134.51	7.547	1.2826
2.800	0.056	7.08	133.72	7.296	1.3118
3.000	0.050	6.33	133.04	7.085	1.3360
3.200	0.045	5.69	132.46	6.906	1.3563
3.400	0.040	5.15	131.96	6.752	1.3735
3.600	0.037	4.68	131.53	6.622	1.3882
3.800	0.034	4.27	131.15	6.509	1.4013
4.000	0.031	3.92	130.83	6.411	1.4131

RESPONSE SPECTRUM

RECORD # S-647 E-W 1971-10-11-19-16
 STATION # KASHIMA=S INPUT SIGNAL = GR.ACC.
 SAMPLING INTERVAL = 0.0100(SEC) CORRECTION = ZERO.ARC
 TIME LENGTH = 15.00(SEC) SKIPPED LENGTH = 4.00(SEC)
 DAMPING COEFFICIENT = 0.100 MAX.GROUND ACC.= 127.42(GAL)

PERIOD (SEC)	ACCELE RATIO	ABSOLUTE ACCELE. (GAL)	RELATIVE ACCELE. (GAL)	RELATIVE VELOCITY (CM/SEC)	RELATIVE DISPLACE (CM)
0.050	1.060	135.02	19.63	0.281	0.0085
0.100	1.313	167.28	50.96	0.983	0.0422
0.150	1.517	193.27	118.53	3.424	0.1083
0.200	1.281	163.25	110.74	4.614	0.1634
0.250	1.524	194.13	190.75	7.122	0.3029
0.300	1.662	211.83	213.94	9.285	0.4745
0.350	1.477	188.17	218.41	10.394	0.5697
0.400	1.213	154.61	177.15	10.631	0.6129
0.450	1.050	133.79	158.43	10.544	0.6709
0.500	0.937	119.43	144.44	10.329	0.7395
0.550	0.858	109.37	140.50	9.933	0.8177
0.600	0.793	101.10	139.47	9.402	0.8981
0.650	0.734	93.54	137.51	9.589	0.9737
0.700	0.677	86.23	133.56	10.024	1.0392
0.750	0.620	79.06	128.21	10.367	1.0920
0.800	0.566	72.17	128.83	10.674	1.1314
0.850	0.515	65.59	131.03	10.888	1.1580
0.900	0.466	59.31	132.82	11.015	1.1733
0.950	0.420	53.48	134.29	11.069	1.1793
1.000	0.378	48.18	135.73	11.065	1.1777
1.100	0.306	39.02	137.66	10.971	1.1840
1.200	0.266	33.86	138.66	10.779	1.2040
1.300	0.228	29.08	139.04	10.520	1.1994
1.400	0.194	24.78	139.02	10.233	1.1755
1.500	0.165	21.00	138.76	9.938	1.1382
1.600	0.139	17.74	138.36	9.650	1.0908
1.700	0.118	14.99	137.88	9.375	1.0377
1.800	0.108	13.77	137.37	9.116	1.0265
1.900	0.101	12.90	136.84	8.876	1.0626
2.000	0.095	12.09	136.33	8.654	1.0946
2.200	0.084	10.68	135.36	8.262	1.1486
2.400	0.074	9.48	134.49	7.931	1.1924
2.600	0.066	8.47	133.73	7.652	1.2304
2.800	0.060	7.62	133.07	7.415	1.2619
3.000	0.054	6.89	132.50	7.213	1.2883
3.200	0.049	6.26	132.00	7.040	1.3107
3.400	0.045	5.72	131.57	6.891	1.3299
3.600	0.041	5.26	131.20	6.761	1.3464
3.800	0.038	4.85	130.87	6.648	1.3608
4.000	0.035	4.49	130.58	6.548	1.3734

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.10	0.53	0.34	0.00	2.77	1.24	0.30	2.67	-2.66	8.29
2	1.99	-0.63	0.74	-0.69	3.47	0.24	-0.89	4.28	0.24	7.59
3	0.81	-0.42	0.54	-0.69	3.07	-0.36	-1.59	4.87	4.35	6.19
4	1.59	-0.62	-0.35	0.01	2.18	-0.35	-1.79	3.37	7.05	4.30
5	1.02	-1.42	1.15	0.82	1.08	-0.35	-1.28	0.08	7.23	2.12
6	0.88	-1.41	-1.35	1.52	0.39	-0.75	0.52	3.12	5.23	2.02
7	1.22	0.31	-0.34	2.32	-0.71	-1.64	2.63	3.12	1.36	2.32
8	0.87	1.29	0.86	3.23	-0.91	-1.44	6.11	6.59	1.24	1.33
9	1.92	1.80	2.17	2.73	1.70	-0.34	4.33	4.39	-3.53	0.97
10	0.34	0.50	1.37	1.74	2.90	2.47	3.53	1.00	-2.03	-3.48
11	2.44	-1.59	0.47	0.64	2.91	2.47	1.84	2.30	-0.03	-6.90
12	3.53	-1.59	-0.42	0.24	2.31	2.08	0.46	2.81	2.67	-10.94
13	0.15	-0.89	-1.22	1.11	1.11	1.58	-0.55	2.41	3.57	-13.97
14	-2.65	1.52	-1.22	0.05	0.62	0.98	2.05	2.11	2.78	-14.18
15	-1.55	1.32	-0.41	-0.25	-0.48	0.99	3.65	1.02	2.08	-12.26
16	0.06	1.02	0.59	-0.74	-2.08	1.19	1.65	1.02	0.19	-6.50
17	0.16	0.123	1.69	-1.14	-3.27	0.19	1.44	1.42	-1.31	-1.84
18	0.16	-0.37	2.30	0.74	-3.97	-0.30	-1.44	1.33	-0.81	3.87
19	0.53	-0.07	2.20	0.27	-3.96	1.20	-6.04	0.23	0.10	8.00
20	1.33	2.04	1.50	1.27	-2.96	3.21	-4.71	1.37	1.00	10.93
21	0.38	2.04	1.61	1.47	1.68	4.60	-4.71	1.86	1.20	17.49
22	2.38	-4.76	2.61	0.38	0.34	4.10	-1.43	1.96	1.01	22.43
23	0.70	-4.45	2.62	1.42	0.85	2.11	1.58	0.34	0.61	25.94
24	-2.59	-3.74	1.52	-1.61	1.25	-0.28	3.58	3.05	-0.09	29.03
25	0.81	-1.44	0.22	0.99	-3.17	-3.28	1.59	6.16	2.08	27.52
26	0.89	1.96	-1.57	3.39	1.26	-3.17	-0.91	7.56	-3.38	23.29
27	2.56	2.56	-2.37	3.59	1.56	-0.07	-2.91	7.74	-1.77	18.09
28	-2.80	1.37	-2.37	2.50	0.57	2.53	-0.90	4.75	3.27	8.74
29	-0.49	0.67	1.36	-0.20	1.17	3.24	0.90	2.66	0.17	-0.30
30	2.21	1.08	0.44	-2.49	1.27	3.04	-0.90	2.66	1.23	-8.21
31	1.51	1.28	2.14	-3.69	2.88	3.04	1.10	0.23	2.34	-15.89
32	0.08	-0.72	1.25	-2.98	4.18	1.94	3.61	2.13	2.74	-23.62
33	-1.08	-1.71	0.25	-1.88	4.28	0.45	3.61	3.52	2.94	-30.68
34	1.02	-1.71	-0.84	-0.88	3.48	-0.95	2.71	3.32	3.15	-34.28
35	1.63	-1.71	-0.84	0.22	1.59	-1.45	1.32	3.31	3.25	-32.57
36	0.63	-1.71	-0.84	0.07	1.29	0.14	3.08	2.41	3.45	-28.18
37	-0.77	-1.20	1.97	-0.17	0.80	0.36	3.93	1.71	3.56	-19.21
38	-3.46	1.20	2.67	-0.17	1.50	0.76	4.03	0.50	1.26	5.34
39	1.94	0.61	0.24	0.24	0.21	-1.93	4.03	0.73	-0.73	6.11
40	1.15	-0.51	1.82	0.74	0.21	-2.03	2.33	4.00	-2.33	3.52
41	1.05	-0.08	-2.72	0.45	-1.39	-0.52	-1.46	4.00	-1.36	-1.36
42	1.05	-0.38	-1.91	0.15	-1.99	1.58	4.16	3.11	2.52	-6.70
43	2.36	-0.48	0.09	-1.04	-1.08	2.28	-5.95	0.91	-1.92	-11.10
44	2.36	-0.47	1.59	-1.04	-1.08	1.59	-5.81	0.48	-0.72	-15.80
45	0.86	-0.87	1.80	-1.14	0.42	-0.01	0.85	0.78	1.09	-8.48
46	0.86	-0.87	1.80	-1.14	1.93	-0.81	1.96	0.98	3.69	-4.42
47	0.05	-0.87	1.80	-1.17	2.73	-0.80	2.36	1.97	5.30	0.96
48	0.05	-0.87	1.80	-1.17	2.03	-0.40	2.36	6.81	6.81	5.06
49	0.05	-0.87	1.80	-1.17	2.03	-0.40	1.97	4.16	7.91	4.06

RECORDS=647 COMPONENT=N+S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=KASHIMA-S
DATE AND TIME=1971.10.11.19.16 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

RECORD=S=647 COMPONENT=H=S SIGNAL=GR,ACC. CORRECTION=ZERO,ARC STATION=KASHYMA=S
 DATE AND TIME=1971-10-11-19-16 SAMPLING INTERVAL=0.10(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	2,77	16,23	-7,43	0,87	-5,28	5,30	2,67	8,30	7,65	3,87
2	1,67	12,53	-10,00	2,17	-8,16	5,40	2,78	6,12	-3,88	4,88
3	3,79	6,60	-10,05	1,48	-8,24	4,30	4,08	3,24	-0,79	6,08
4	8,25	1,64	-8,02	0,28	-7,25	1,21	4,08	0,15	2,01	6,28
5	13,12	-3,76	-3,57	-1,02	-6,74	-2,80	4,48	-1,15	3,32	6,49
6	16,53	-5,85	2,02	-1,11	-6,14	-0,95	3,88	3,45	3,82	6,99
7	19,09	-6,14	5,94	-1,41	-5,84	-13,40	2,19	-6,95	3,82	6,99
8	3,66	-5,54	7,51	2,40	-5,43	-13,40	-1,11	-6,35	3,82	6,97
9	-6,27	-5,55	6,40	4,31	-3,73	-11,45	-1,11	-6,35	3,82	6,97
10	-13,89	-7,17	2,63	8,25	-1,93	-3,56	-7,41	-7,31	0,83	2,50
11	-21,09	-10,19	-1,36	11,36	1,38	-1,26	-7,98	-4,92	0,44	-0,80
12	-26,88	-12,80	-3,26	0,83	7,51	1,94	-6,98	-3,22	-1,16	-2,69
13	-27,44	-14,90	-1,95	5,99	10,22	1,34	-5,68	-1,92	-2,49	-2,49
14	-24,51	-16,43	1,25	3,01	12,16	-0,35	-4,88	-0,42	-4,25	-1,19
15	-19,97	-16,52	2,95	0,42	11,63	-0,75	-4,18	1,88	-4,34	-0,08
16	-13,32	-16,56	3,05	-0,68	9,95	0,05	-3,88	3,29	-2,64	0,52
17	-9,17	-17,43	1,66	-1,58	8,25	2,16	-3,07	5,30	0,06	0,92
18	-3,36	-19,37	-1,04	-3,17	5,48	3,16	-1,87	7,09	2,26	0,93
19	3,15	-21,02	-1,04	-3,77	2,89	3,77	-1,87	7,19	2,56	0,93
20	11,61	-18,88	1,27	-2,36	0,50	4,67	-2,17	6,49	0,87	0,23
21	17,89	-13,53	6,40	-0,76	-1,50	5,48	-3,06	5,10	-1,33	0,24
22	22,70	-6,92	10,21	3,05	-1,99	6,99	-3,76	4,00	-5,34	0,24
23	22,73	0,11	11,92	8,50	-1,99	8,69	-5,26	1,61	-7,93	0,04
24	19,08	7,48	9,98	11,85	-1,19	9,79	-6,05	0,11	-8,09	-0,55
25	14,54	13,39	5,45	11,80	-0,48	10,07	-5,34	-0,48	-4,26	-4,26
26	10,06	17,92	0,29	7,02	0,42	9,63	-3,94	-0,18	-4,71	-7,97
27	5,62	18,19	-1,51	3,45	0,42	6,63	-1,24	0,92	-3,41	-9,44
28	0,96	18,74	-1,51	-0,54	-0,07	0,09	2,46	1,13	-1,51	-9,19
29	-2,54	17,51	-0,20	-2,74	0,07	-4,12	4,66	1,23	0,10	-6,71
30	-2,53	15,76	0,00	-5,15	2,24	-7,40	3,76	0,23	1,30	-3,93
31	1,47	14,47	-1,10	-7,57	4,64	-7,38	1,87	0,04	2,71	-3,73
32	7,55	13,06	-3,40	-11,02	4,63	-5,89	0,47	0,24	4,41	-2,12
33	13,97	10,97	-5,10	-14,83	2,64	-5,39	-1,22	1,94	5,81	-0,52
34	18,58	8,17	-7,28	-19,20	-0,85	-4,69	-1,02	2,95	6,01	1,88
35	19,71	3,04	-6,26	-21,11	-4,56	-4,68	-0,82	3,65	6,02	3,38
36	17,43	0,35	-3,37	-18,71	-7,68	-4,47	-0,51	4,26	6,02	3,69
37	12,18	-0,74	-0,98	-13,83	-10,04	-2,97	-0,21	4,86	5,71	3,69
38	5,74	-0,74	0,83	-8,64	-9,66	-0,13	0,39	6,47	3,83	3,09
39	-1,51	0,96	2,13	-0,00	-5,72	3,94	0,80	8,07	3,53	0,10
40	-7,88	2,87	2,33	4,82	7,17	3,10	3,10	8,66	2,73	-1,80
41	-13,61	4,07	2,64	8,73	-0,53	10,14	3,41	8,06	1,14	-3,70
42	-13,77	3,57	3,14	10,23	2,57	10,41	4,21	7,15	-1,46	-3,79
43	-10,78	2,77	2,04	11,41	2,88	8,92	4,11	5,26	-4,74	-3,79
44	-6,45	0,88	-0,45	11,88	2,78	7,70	4,21	2,18	-1,55	-3,79
45	-2,58	-1,92	-2,55	10,09	3,38	3,94	4,22	-1,52	1,15	-3,78
46	3,33	-3,22	-5,26	8,79	3,89	2,25	4,22	-5,74	3,36	-2,18
47	7,37	-4,01	-6,93	6,81	4,49	2,16	4,63	-9,46	4,96	0,52
48	11,52	-6,01	-5,23	5,01	5,39	2,46	5,33	-12,08	5,36	3,33
49	14,72	-4,61	-3,83	1,13	5,60	2,76	5,93	-11,16	5,35	6,36
50	16,53	-5,41	-1,23	-2,37	5,90	2,77	6,35	-9,66	3,87	9,76

NO.	STATION=KASHIMA-S									
	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	11.01	-4.70	0.67	9.31	6.35	-3.64	-5.66	6.01	0.07	-5.16
2	9.79	-4.69	2.07	8.01	11.72	-6.75	-5.66	7.51	-2.03	-5.16
3	7.50	-2.98	2.38	5.91	12.11	-9.31	-5.86	7.81	-4.08	-5.16
4	3.94	0.81	2.38	2.14	12.05	-8.60	-6.25	7.71	-5.73	-5.14
5	1.15	2.62	2.38	-2.75	10.00	-7.11	-6.15	7.72	-7.82	-3.25
6	1.55	3.02	2.49	-5.46	9.00	-6.20	-6.24	7.71	-7.91	-2.14
7	3.06	2.76	2.50	-6.85	7.60	-4.81	-5.83	6.91	-7.89	-0.24
8	3.02	3.03	8.80	-7.64	5.41	-4.61	-4.64	5.72	-6.61	1.06
9	3.16	2.33	9.20	-7.64	2.43	-4.60	-4.13	4.42	-6.50	2.16
10	2.06	2.33	9.20	-7.63	-1.17	-4.59	-3.63	3.13	-6.49	2.87
11	0.43	2.34	9.41	-7.63	-2.96	-2.89	-3.63	1.33	-5.89	3.47
12	3.43	2.34	9.71	-7.53	-3.36	-0.99	-3.23	-0.66	-5.49	3.97
13	6.65	2.44	9.71	-7.61	-3.36	1.01	-2.62	-2.96	-5.49	4.08
14	9.42	3.06	9.69	-6.51	-3.35	3.41	-2.62	-4.76	-5.49	4.68
15	8.39	6.59	8.70	-5.61	-2.15	3.92	-1.82	-5.15	-5.28	3.68
16	8.20	11.16	7.40	-4.31	-1.15	4.22	-1.51	-5.15	-5.07	2.89
17	7.21	11.31	5.91	-3.71	1.06	4.22	-1.41	-5.14	-2.97	2.09
18	7.21	9.51	4.12	-3.51	1.06	4.23	-1.01	-5.24	-2.97	2.30
19	7.20	7.05	2.73	-3.50	1.06	4.33	-2.31	-5.14	-0.27	3.90
20	7.10	5.76	0.27	-3.50	1.07	4.23	-2.31	-5.14	2.74	5.01
21	7.09	4.74	0.26	-3.50	1.07	4.24	-6.99	-5.12	4.24	6.51
22	6.88	-0.83	0.26	-3.49	2.97	4.24	-6.48	-5.12	4.25	7.31
23	5.78	-3.72	0.26	-3.49	3.08	3.84	-4.99	-1.42	7.14	7.51
24	4.38	-3.82	0.55	-3.49	3.08	2.64	-4.18	-0.52	7.25	7.50
25	3.28	-3.42	3.23	-3.48	1.98	-0.35	-2.38	0.48	7.24	6.61
26	2.28	-3.41	4.23	-3.49	0.59	-0.45	-1.68	2.59	6.55	5.91
27	0.98	-3.41	4.95	-6.95	-1.51	0.56	-1.18	3.29	5.75	4.81
28	2.72	-4.52	6.47	-4.66	-4.42	1.96	-0.27	3.39	4.65	2.93
29	0.07	-6.63	-10.01	-2.87	-8.33	5.97	0.28	3.40	3.56	2.33
30	0.16	-9.61	-8.63	-1.77	-10.44	7.48	0.83	3.40	2.87	1.83
31	0.54	-10.02	8.53	-1.66	-12.31	8.80	1.04	3.40	1.97	0.36
32	0.44	-10.90	8.62	-1.46	-12.57	10.49	1.44	3.41	0.97	-0.46
33	0.54	-11.00	8.22	-0.86	-11.85	10.93	1.74	2.81	-0.42	-0.46
34	0.55	-11.19	7.82	1.65	-10.45	9.05	1.75	2.81	-1.72	-1.05
35	0.05	-11.19	7.72	4.95	-8.86	7.26	1.75	2.81	-3.62	-1.35
36	-0.25	-11.40	7.71	4.75	-7.25	4.87	1.35	2.82	-3.62	-1.35
37	-0.04	-12.03	7.71	4.65	-4.76	1.19	0.36	3.22	-5.01	-2.04
38	1.16	-10.54	7.41	3.75	-2.27	-2.61	-0.54	3.23	-5.01	-2.04
39	3.37	-9.63	7.50	1.96	-0.27	-6.13	-1.84	3.23	-5.90	-2.04
40	6.87	-6.73	7.19	-0.33	2.14	-9.93	-2.73	3.23	-5.90	-2.04
41	6.37	-4.55	5.85	1.73	5.16	-11.37	-3.23	3.64	-5.90	-2.03
42	6.37	-1.46	0.19	-3.83	9.54	-10.27	-3.33	4.94	-5.79	-2.03
43	6.48	0.54	4.93	-5.75	9.65	-9.08	-3.32	5.64	-5.79	-2.02
44	7.06	0.75	8.44	-8.82	9.70	-8.25	-3.02	5.65	-5.79	-1.02
45	5.27	0.95	9.93	-8.79	7.22	-5.98	-1.62	5.64	-5.88	0.78
46	3.79	-0.65	10.46	-7.08	4.65	-5.08	-1.61	5.95	-5.88	1.89
47	3.58	0.64	12.12	-5.80	2.95	-5.08	0.41	5.86	-5.78	2.89
48	1.69	-1.34	12.01	-2.10	1.86	-5.07	1.09	2.66	-5.77	3.39
49	-0.10	-1.34	11.28	-0.30	0.66	-5.07	1.90	2.06	-5.87	3.40
50	-3.40	-0.33	9.33	2.10	-0.83	-5.07	4.11	1.47	-5.76	3.40

RECORD-S=647
DATE AND TIME=1971-10-11-19-16
COMPONENT=N-S
SIGNAL=GR.ACC.
CORRECTION=ZERO_ARC
TOTAL NUMBER OF DATA= 3000
FORMAT NO.=301
INTERVAL=0.010(SEC)

NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	2.90	3.17	4.04	-2.80	0.47	-7.15	1.10	-9.05	6.84	-8.86
2	2.61	1.07	4.74	-2.79	-0.43	-5.55	0.71	-9.94	7.14	-6.88
3	2.01	1.18	4.94	-2.09	-2.02	-3.75	0.11	-10.53	7.14	-5.08
4	2.01	1.18	4.24	-2.79	-2.32	-2.35	-0.69	-10.62	6.64	-3.78
5	2.02	1.98	3.35	-2.78	-3.72	-2.35	-1.99	-10.51	6.34	-2.58
6	1.72	3.39	3.35	-3.08	-5.11	-1.05	-4.09	-10.20	5.35	0.52
7	1.22	3.39	2.96	-3.38	-4.31	-1.34	-5.79	-9.80	4.33	1.43
8	-1.98	4.49	2.46	-3.98	-3.91	-1.94	-7.49	-9.89	2.96	7.43
9	-5.17	4.60	1.56	-4.47	-3.70	-2.24	-8.47	-8.49	0.56	8.16
10	-5.47	4.60	0.27	-4.87	-1.10	-2.63	-8.66	-7.59	-0.53	10.05
11	-5.46	5.21	-1.03	-4.46	-2.31	-2.63	-8.25	-6.59	-1.43	10.78
12	-5.36	6.39	-2.73	-4.46	5.72	-2.63	-7.65	-5.69	-2.63	12.65
13	-4.96	4.70	4.43	-4.26	8.03	-1.12	-6.85	-5.19	-1.82	12.94
14	-4.95	3.01	-5.73	-4.25	9.13	-2.02	-5.85	-4.99	-0.72	12.93
15	-4.96	1.22	-6.73	-4.25	9.82	-1.82	-5.14	-5.19	0.98	12.53
16	-6.36	0.62	-7.61	-3.94	9.92	-1.51	-3.34	-5.98	1.39	12.02
17	-7.90	0.62	-7.61	-1.44	9.90	-1.11	-2.54	-6.08	2.29	10.82
18	-12.05	0.23	-7.61	0.56	8.62	-0.91	-1.44	-6.07	4.40	5.46
19	-15.62	0.13	-7.60	1.46	8.03	-0.20	-0.94	-6.37	6.00	5.15
20	-15.21	-0.07	-7.60	1.57	7.93	1.20	-1.13	-6.36	6.40	3.26
21	-12.93	-0.16	-7.60	1.57	7.53	2.51	-1.83	-6.06	6.41	1.37
22	-12.74	-0.16	-7.58	2.27	6.81	4.31	-1.83	-5.25	6.80	-0.83
23	-10.31	-0.16	-6.59	2.88	3.93	5.21	-2.02	-3.05	6.41	-2.73
24	-9.71	-1.85	-6.09	2.77	1.35	5.72	-2.42	-1.35	5.91	-4.02
25	-9.10	-2.55	-6.08	2.77	-0.05	6.12	-2.32	-0.35	5.11	-4.82
26	-8.00	-2.65	-6.06	-3.22	-0.05	6.82	-1.91	1.85	4.51	-6.11
27	-7.00	-2.74	-3.98	-5.81	0.04	7.23	-0.51	4.26	2.42	-6.21
28	-5.80	-2.84	-3.97	-5.91	-0.04	8.34	0.99	5.67	0.53	-5.90
29	-4.30	-2.84	-2.57	-6.20	-0.64	8.34	1.40	6.67	-0.57	-4.80
30	-3.60	-2.83	-2.17	-6.20	-0.93	8.83	2.10	6.96	-3.27	-3.90
31	-2.79	-2.83	-2.16	-6.19	-0.93	8.63	2.81	6.86	-4.67	-2.59
32	-1.49	-2.43	-1.26	-6.19	-1.83	8.43	4.71	5.77	-6.39	-0.59
33	1.81	-2.32	-0.96	-6.19	-2.92	7.64	5.92	5.07	-9.38	1.01
34	2.31	-2.42	-0.85	-5.98	-2.92	7.14	7.23	4.08	-10.56	3.72
35	3.52	-1.42	0.85	-5.18	-3.62	6.75	8.73	2.78	-10.95	4.42
36	4.53	-0.91	3.16	-5.18	-3.61	6.96	9.31	2.29	-11.03	5.22
37	5.84	-0.81	5.78	-5.18	-3.62	7.46	8.61	1.99	-10.24	5.62
38	7.65	-0.91	8.46	-5.17	-5.61	7.86	7.61	2.69	-10.04	5.83
39	9.97	-1.20	8.58	-5.15	-6.00	8.06	6.32	2.90	-10.03	6.03
40	11.65	-1.70	9.46	-2.36	-6.10	7.66	5.02	4.71	-9.74	6.03
41	12.24	-2.00	9.34	-0.36	-6.00	6.96	3.14	6.31	-10.04	6.24
42	12.24	-2.09	7.66	0.94	-7.03	5.94	2.44	7.41	-10.53	6.24
43	12.24	-2.09	6.48	3.14	-10.30	1.28	1.74	7.60	-10.74	5.84
44	12.25	-2.08	6.87	3.35	-10.63	0.88	0.65	7.60	-11.22	5.74
45	12.25	-2.08	6.87	3.35	-12.38	-0.52	-0.45	6.41	-11.32	4.94
46	12.24	-1.88	5.08	3.35	-12.34	-1.11	-1.15	6.12	-11.62	3.85
47	11.84	-1.38	3.09	3.66	-11.25	-1.11	-1.95	6.12	-11.91	2.86
48	8.14	-1.17	1.29	4.15	-10.27	-0.81	-4.65	6.23	-11.89	2.16
49	6.93	0.40	-0.40	3.56	-10.23	0.30	-6.06	6.33	-11.38	1.26
50	3.86	3.04	-1.20	2.07	-8.54	0.90	-8.64	6.64	-10.66	0.37

RECORDS=647
 DATE AND TIME=1971-10-11-19-16
 COMPONENT=H+S
 SIGNAL=GR,ACC,
 SAMPLING INTERVAL= 0.010(SEC)
 CORRECTION=ZERO,ARC
 FORMAT NO.=301
 STATION=KASHIMA-S
 TOTAL NUMBER OF DATA= 3000

RECORDS=647 COMPONENT=N+S SIGNAL=GR.ACC. CORRECTION=ZERO.ARC STATION=KASHIMA-S
 DATE AND TIME=1971-10-17 19:16 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	=0.53	0.84	=1.20	2.17	1.34	=0.30	=0.03	3.24	7.11	1.97
2	=1.03	0.84	=0.09	1.57	2.54	=0.59	0.57	2.74	7.51	2.17
3	=1.12	0.34	0.81	0.88	0.88	1.18	1.18	2.84	7.21	2.38
4	=1.12	=0.25	1.61	0.48	4.75	=1.19	2.08	2.25	7.41	1.98
5	=1.22	1.05	1.82	0.18	4.45	=1.38	2.89	1.85	7.11	1.28
6	=1.11	1.45	2.12	0.19	4.15	=1.58	4.29	0.95	6.82	0.59
7	=1.11	1.94	2.42	0.19	4.15	=1.58	5.70	0.16	6.52	=0.11
8	=0.81	1.94	2.63	0.29	2.46	=1.97	6.51	1.14	6.02	=1.31
9	=0.90	1.74	2.73	0.20	1.66	=2.07	8.00	2.24	5.53	=2.80
10	=1.10	1.53	2.93	=0.40	0.67	=2.57	8.21	3.33	5.13	=3.50
11	=1.30	1.23	3.44	0.37	0.37	=2.96	9.22	3.85	4.63	=3.80
12	=1.39	0.63	4.04	=2.80	=0.03	=3.36	10.02	4.33	4.04	=3.99
13	=1.49	0.32	4.24	=4.09	0.38	=3.56	10.40	4.42	3.44	=3.99
14	=1.39	0.12	3.94	=5.29	0.98	=3.45	9.91	4.52	2.95	=3.79
15	=1.08	0.08	3.35	=6.19	1.38	=3.25	9.50	4.82	2.55	=3.68
16	=0.78	0.51	2.03	=7.38	1.69	=2.95	8.81	5.42	1.23	=3.18
17	=0.28	0.81	0.76	=7.38	2.19	=2.64	8.11	5.94	0.66	=2.78
18	0.13	0.31	=1.44	=7.57	2.49	=2.14	7.32	6.41	=0.34	=1.77
19	=0.47	0.20	2.24	=6.97	3.00	=1.64	6.51	6.61	=1.14	0.03
20	=3.07	=0.10	3.34	=6.56	3.10	=1.03	4.82	7.10	=1.53	0.53
21	=4.17	0.10	5.25	=5.96	2.90	=0.53	1.94	7.20	=2.23	1.24
22	=6.77	0.31	5.93	=5.46	2.61	0.37	0.94	7.19	=2.23	1.54
23	=7.98	0.61	6.42	=4.95	1.61	0.86	0.78	7.19	=1.92	2.24
24	=9.66	0.81	6.41	=4.35	1.31	0.78	=0.86	6.88	=1.72	2.65
25	=8.75	1.82	5.51	=3.95	0.82	0.68	=5.26	6.68	=1.92	3.05
26	=9.64	1.82	4.81	=4.15	0.42	0.49	=6.45	6.17	=2.21	3.35
27	=9.23	2.52	3.51	=4.64	=0.18	0.39	=6.64	5.47	=2.61	3.26
28	=7.00	2.63	2.21	=4.94	=0.07	=0.21	=6.33	4.27	=3.01	2.86
29	=3.23	2.63	1.40	=5.44	0.03	=1.00	=5.73	3.57	=3.40	2.16
30	=1.83	2.93	=0.40	=5.93	0.23	=1.60	=5.03	3.67	=4.00	1.27
31	=1.43	2.84	0.40	=6.13	0.84	=2.50	=3.73	3.97	=3.89	0.57
32	=1.43	2.04	1.51	=5.92	0.44	=4.40	=2.63	4.66	=3.29	=0.13
33	0.48	1.34	2.31	=5.42	1.24	=5.90	=1.62	4.66	=2.69	=2.83
34	0.78	0.65	3.11	=5.12	1.45	=7.09	=0.42	4.95	=2.39	=4.32
35	0.78	=0.55	3.72	=4.92	1.95	=7.79	0.58	5.25	=2.08	=5.32
36	1.19	1.95	4.32	=4.91	2.05	=8.69	0.99	5.25	=1.68	=6.12
37	1.39	3.03	4.63	=4.71	2.06	=9.40	0.99	5.04	=1.48	=6.62
38	1.49	4.14	5.13	=4.41	2.06	=10.37	0.99	4.64	=1.27	=7.31
39	1.10	5.24	5.43	=4.10	2.26	=10.05	1.20	4.23	=1.27	=7.40
40	0.70	6.34	5.84	=3.90	2.47	=9.34	1.40	3.43	=1.27	=7.40
41	=0.20	6.73	6.24	=4.00	2.47	=8.05	1.80	2.63	=0.96	=7.39
42	=0.89	6.52	6.44	=3.89	2.27	=7.01	2.01	2.03	=0.86	=7.19
43	=1.29	6.62	6.64	=3.49	2.28	=5.94	2.41	0.92	=0.66	=6.88
44	=0.79	5.62	6.34	=3.39	2.28	=4.35	3.11	0.58	=0.45	=6.28
45	=0.38	5.11	6.15	=3.08	2.28	=3.25	3.52	1.68	=0.35	=5.98
46	0.02	4.41	5.85	=2.28	2.09	=2.55	3.92	2.69	=0.35	=5.68
47	0.42	4.41	5.45	=1.88	1.89	=2.14	4.12	3.79	=0.24	=5.48
48	0.73	3.80	4.86	=0.77	1.64	=1.64	4.23	4.80	=0.36	=5.47
49	0.73	=2.70	3.96	=0.17	0.60	=1.04	3.83	5.90	=0.76	=5.07
50	0.83	=1.90	3.16	0.73	0.10	=0.43	3.53	6.51	1.07	=4.86

NO.	(2500)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-3.66	2.27	0.44	-4.39	2.07	2.94	-1.80	-6.72	-1.16
2	-2.76	1.97	1.74	-3.59	2.27	2.84	-2.29	-5.52	-1.70
3	-1.75	1.68	2.24	-2.39	1.76	2.94	-2.79	-3.52	-1.86
4	0.85	3.11	2.95	-1.29	1.48	2.65	-3.29	-3.52	-1.85
5	1.55	3.52	3.25	-0.58	1.18	2.45	-3.28	-5.02	-1.65
6	2.35	4.02	3.35	0.82	1.09	1.75	-3.28	-2.51	-1.25
7	3.36	4.33	3.46	0.82	0.89	1.26	-2.68	-1.91	-0.74
8	5.57	4.83	3.36	2.63	0.79	0.46	-2.17	-1.41	-0.34
9	6.37	5.23	2.56	3.53	0.80	-0.34	-1.67	-0.80	-0.34
10	7.07	5.33	2.07	4.24	0.50	-0.33	-0.87	-0.10	-0.13
11	7.17	5.23	1.77	4.94	0.30	-2.23	0.14	0.20	0.17
12	7.28	4.94	0.13	5.04	0.41	-2.93	0.94	0.64	0.17
13	7.58	4.44	-2.02	4.84	0.41	-2.82	1.84	0.91	0.48
14	7.58	3.25	-2.62	4.55	0.51	-2.82	1.84	0.91	0.48
15	7.48	2.55	-3.32	4.45	0.42	-2.92	1.31	1.31	0.78
16	7.18	1.55	-5.92	4.35	0.22	-2.61	3.15	1.62	1.38
17	6.59	0.76	-4.51	4.16	0.22	-2.21	3.86	2.02	1.89
18	6.59	0.36	-5.21	4.16	0.15	-2.21	4.76	2.32	2.39
19	6.39	-0.24	-5.80	4.16	0.15	-2.11	5.56	2.88	2.99
20	6.20	-0.83	-6.47	4.16	-0.17	-1.80	6.27	2.33	3.10
21	5.80	-1.73	-7.16	4.17	-0.17	-1.60	6.77	2.33	3.30
22	5.40	-2.83	-8.09	4.17	-0.26	-1.30	6.67	2.34	3.30
23	4.30	-3.16	-9.69	4.17	-0.46	-1.59	6.77	2.34	2.81
24	2.51	-1.96	-11.96	4.18	-0.76	-1.69	6.77	2.04	2.31
25	0.32	-1.65	-14.42	4.08	-0.75	-1.59	6.38	1.75	2.01
26	-0.08	-1.55	-16.68	3.88	-0.75	-1.58	6.08	1.45	1.42
27	-0.48	-1.91	-19.28	2.49	-0.75	-1.18	5.78	1.25	1.25
28	-0.67	-1.91	-21.54	2.09	-0.74	-1.18	5.49	1.26	1.58
29	-1.77	-1.91	-23.74	1.89	-0.24	-1.17	4.99	1.66	1.58
30	-2.27	-1.90	-26.03	0.10	-0.24	-1.17	4.69	2.06	2.47
31	-2.67	-1.90	-28.33	-0.60	-0.13	-1.47	4.30	2.37	3.27
32	-4.46	-1.89	-30.64	-2.70	0.17	-1.76	4.20	2.47	4.07
33	-5.05	-1.89	-32.96	-3.99	0.47	-1.76	3.70	2.57	4.47
34	-5.05	-1.89	-35.28	-4.29	0.58	-1.76	3.11	2.28	4.96
35	-5.05	-1.89	-37.60	-4.59	0.48	-1.45	2.11	1.68	5.06
36	-4.95	-2.38	-39.92	-5.08	0.38	-1.45	1.62	1.68	5.25
37	-4.64	-2.18	-42.24	-5.08	0.19	-1.45	0.92	0.98	5.25
38	-4.54	-1.97	-44.56	-4.87	-0.11	-1.04	0.52	0.29	5.25
39	-4.24	-1.57	-46.88	-4.37	-0.21	-1.04	-0.17	-0.31	5.24
40	-3.93	-0.97	-49.20	-3.87	-0.50	-1.84	0.77	-1.01	5.24
41	-3.73	-0.46	-51.52	-3.37	-0.80	-0.53	1.67	-1.00	4.94
42	-3.73	-0.26	-53.84	-3.76	-0.90	-0.53	2.56	-0.60	4.73
43	-3.52	0.04	-56.16	-3.26	-0.99	-0.83	3.26	-0.60	4.63
44	-3.22	0.55	-58.48	-2.86	-0.79	-0.72	3.86	-0.39	4.43
45	-3.12	0.85	-60.80	-1.83	0.21	-0.72	4.86	-0.19	4.22
46	-3.11	1.35	-63.12	-0.62	0.62	-0.72	5.86	0.21	3.72
47	-2.81	2.06	-65.44	-0.85	0.62	-0.21	6.86	0.52	3.22
48	-2.81	2.66	-67.76	-0.62	0.62	-0.21	7.86	0.62	2.91
49	-2.50	2.76	-70.08	-0.37	1.23	-0.51	8.86	0.62	2.51
50	-1.70	-0.17	-72.40	1.26	1.93	-0.50	9.86	0.83	2.11
				1.97	2.63	-0.70	10.86	0.47	1.00

RECORD=S=647
DATE AND TIME=1971-10-11-19-16
COMPONENT=N-S
SIGNAL=GR,ACC,
CORRECTION=ZERO,ARC
TOTAL NUMBER OF DATA= 3000
STATION=KASHIMA=S

NO.	(0)	(50)	(100)	(150)	(200)	(250)	(300)	(350)	(400)	(450)
1	0.00	1.30	0.70	1.00	0.90	1.00	1.10	1.40	2.30	16.78
2	-1.40	0.10	0.50	0.60	0.50	-0.10	-1.70	0.70	1.30	16.46
3	0.21	0.11	0.31	0.11	0.11	-0.80	-2.39	0.01	-0.39	15.77
4	-1.09	0.11	-0.59	0.31	0.11	-0.49	-1.49	0.71	-1.59	15.17
5	-0.89	0.89	7.14	0.21	0.01	-0.09	-0.39	1.01	-1.89	14.43
6	-0.89	-0.89	0.51	0.21	0.01	0.51	0.71	1.51	-1.90	12.51
7	-0.89	-0.89	0.91	0.31	0.01	1.41	0.71	1.91	-1.98	9.54
8	-0.88	-0.58	0.62	0.32	0.32	1.22	0.52	1.32	-0.38	9.79
9	0.72	0.02	0.52	0.22	0.72	0.82	0.32	1.32	1.42	2.51
10	0.02	0.12	0.52	0.22	0.92	0.12	0.22	1.22	2.72	-0.88
11	-0.08	0.12	0.52	0.62	1.02	-0.18	0.92	1.22	1.52	-4.08
12	-0.38	-1.18	0.52	0.62	0.92	-0.28	0.92	0.72	0.52	-4.18
13	-0.17	-1.27	0.53	0.63	1.03	-0.17	1.13	0.73	-0.17	-4.47
14	0.03	-0.97	0.53	-0.67	0.93	-0.17	1.73	0.23	-0.57	-4.37
15	0.03	-0.57	0.53	-0.67	1.03	0.13	2.73	0.13	-0.57	-2.77
16	-0.37	-0.57	-0.17	-0.77	0.93	0.13	1.93	0.33	-0.57	-1.07
17	-0.77	-0.27	-0.47	-0.47	1.03	0.13	0.63	0.43	-0.17	1.54
18	-0.66	-0.16	-0.46	-0.46	0.74	0.24	-1.56	0.44	-0.16	5.89
19	-0.66	-0.16	-0.16	-0.46	0.44	0.14	-3.16	0.74	-0.26	13.87
20	-0.66	-0.26	0.34	-0.76	0.14	4.52	-2.66	0.94	-0.26	25.21
21	-0.76	-0.36	0.44	-0.76	0.04	-0.16	-2.46	1.04	-0.26	34.24
22	0.04	0.14	0.44	-0.66	0.04	-0.16	-1.16	0.94	-0.26	36.02
23	0.03	0.65	0.25	0.15	0.65	-0.15	1.55	1.05	-0.25	36.35
24	0.05	0.75	0.15	0.95	1.35	-0.25	3.15	1.05	-0.15	35.09
25	-0.05	0.15	0.45	0.85	1.35	-0.25	2.05	0.95	-0.25	33.33
26	0.65	-0.25	-0.45	0.85	1.15	0.25	0.95	0.35	-0.25	29.32
27	0.65	-0.85	-0.25	0.95	0.55	0.55	0.05	0.35	-0.25	29.17
28	0.16	-0.194	-0.24	0.86	-0.54	2.16	-0.04	0.76	-0.24	19.19
29	0.14	0.24	0.34	0.86	-0.54	1.66	0.06	0.76	-0.24	14.85
30	-1.04	0.04	-0.74	0.66	0.06	1.26	0.26	0.86	-0.24	12.60
31	-0.64	-0.04	-1.44	1.16	0.66	1.26	0.46	0.96	0.16	10.93
32	0.66	-0.04	-2.14	2.06	0.96	1.16	0.96	0.96	0.16	9.62
33	0.57	-0.03	-2.13	1.97	1.27	1.17	1.07	0.97	1.77	7.44
34	0.57	-0.03	-2.13	1.97	1.07	1.17	1.07	0.97	1.77	4.82
35	0.27	0.03	-0.53	-1.13	0.67	1.17	0.77	0.77	2.77	5.29
36	-0.23	-0.13	-0.33	-1.13	-0.83	1.17	0.67	0.37	2.97	-15.20
37	-0.53	-0.13	-0.33	-1.53	-1.23	1.17	0.67	0.17	3.58	-21.11
38	-0.42	-0.72	-0.58	-1.52	-1.02	1.18	1.58	0.08	4.08	-37.43
39	-0.22	-0.72	0.58	-0.42	-0.52	1.18	1.58	0.08	4.78	-75.59
40	-0.22	-0.72	0.58	-0.42	0.68	1.18	1.98	0.08	5.28	-92.98
41	-0.32	-0.02	0.98	1.38	0.98	1.18	2.28	0.08	6.09	-112.52
42	-0.22	0.78	0.98	1.38	0.48	0.58	2.28	0.08	7.10	-123.23
43	-0.21	0.89	1.19	0.99	0.29	0.59	2.29	0.99	8.20	-127.42
44	0.09	0.49	1.29	0.09	0.49	0.59	2.29	0.39	9.12	-124.42
45	0.09	0.21	1.29	0.21	1.49	0.59	1.39	0.29	10.96	-118.30
46	0.09	-0.21	1.19	-0.21	1.49	0.59	0.39	0.11	13.72	-97.49
47	0.09	-0.71	0.99	0.09	1.49	0.59	-0.41	0.49	14.54	-76.44
48	0.10	-0.50	0.90	0.40	1.50	0.60	-1.70	1.80	15.67	-55.38
49	0.10	-0.10	1.20	0.70	1.80	0.60	-1.80	2.00	17.00	-32.38
50	-0.00	0.60	1.00	0.90	1.90	0.10	-1.80	2.20	17.08	-6.34

RECORD=S*647
DATE AND TIME=1971-10-11-19-16

COMPONENT=E+H
SIGNAL=GR,ACC.
CORRECTION=ZERO,ARC
FORMAT NO.=301

STATION=KASHIMA-S
TOTAL NUMBER OF DATA= 3000

NO.	(500)	(550)	(600)	(650)	(700)	(750)	(800)	(850)	(900)	(950)
1	10.78	-16.57	-10.20	-0.80	-9.65	-10.67	-1.80	-6.09	2.90	10.57
2	21.73	-11.09	-10.20	-0.10	-7.17	-9.54	-1.60	-4.60	2.10	9.14
3	24.65	-3.68	-10.19	0.21	-4.98	-6.54	-1.59	-4.49	1.11	5.69
4	25.11	4.51	-10.20	0.21	-2.29	-3.88	-2.49	-3.09	0.21	2.80
5	26.95	4.53	-10.38	1.11	-1.49	-1.29	-3.59	-1.89	-0.79	1.01
6	33.19	8.09	-9.74	4.33	-0.09	1.01	-4.10	-0.59	-1.29	-3.00
7	37.46	13.63	-7.46	7.82	0.91	2.82	-8.45	1.11	-4.29	-8.07
8	43.88	19.47	-5.17	7.91	4.12	4.02	-12.45	1.12	-5.80	-14.03
9	51.04	28.04	-3.57	7.32	4.92	5.42	-11.48	0.02	-8.19	-19.99
10	51.06	35.19	0.22	7.12	4.92	6.15	-11.40	-1.58	9.09	-24.33
11	47.79	38.42	8.44	7.12	4.93	9.44	-8.64	-2.38	-9.48	-23.89
12	41.29	38.42	16.20	7.12	7.04	10.52	-6.47	-2.37	-9.47	-22.88
13	33.27	36.30	19.44	7.13	8.23	10.53	-5.88	-0.67	-9.47	-19.49
14	25.38	29.16	21.93	7.12	8.16	10.51	-6.17	1.93	-9.47	-16.07
15	13.95	20.57	21.93	6.21	7.63	9.81	-6.17	6.15	-9.45	-12.58
16	-13.28	12.81	21.93	3.52	7.22	9.01	-6.26	9.21	-8.58	-9.80
17	-28.96	6.79	21.67	0.63	6.32	7.12	-5.56	13.24	-3.37	-6.15
18	-32.46	2.73	19.04	-2.97	5.12	5.36	-4.77	16.24	-3.46	-4.65
19	-29.16	0.04	15.37	-6.07	1.44	-7.21	-5.06	16.25	-3.46	-2.06
20	-21.98	-2.86	12.00	-7.02	-0.46	-11.32	-4.75	14.83	-3.56	-0.86
21	-7.17	-2.86	7.59	-3.55	-0.86	-13.54	-2.66	14.50	-1.86	-0.06
22	9.44	-5.88	3.43	-1.06	-1.96	-15.43	-2.16	13.44	-0.76	1.55
23	25.29	-8.58	0.55	-1.05	-3.25	-14.90	-2.15	8.29	0.15	3.85
24	32.40	-10.32	0.35	-3.65	-3.82	-12.99	-1.45	4.55	4.55	5.26
25	31.78	-13.55	-10.08	0.25	-3.65	-13.99	-1.45	4.35	4.55	6.95
26	29.92	-16.01	-7.13	-0.05	-3.75	-11.44	-1.45	4.35	4.25	6.84
27	28.74	-17.82	-5.53	-0.25	-3.14	-11.24	0.55	2.75	2.95	5.15
28	25.31	-18.25	-3.54	-0.44	-3.24	-11.00	2.56	1.75	1.85	3.65
29	21.50	-18.47	-0.74	-0.44	-2.24	-9.41	5.58	0.16	0.24	1.16
30	18.46	-19.91	3.16	-0.54	-1.94	-7.58	8.76	-1.14	-2.14	-2.04
31	20.80	-17.27	4.86	-0.44	-1.54	-2.83	8.95	-1.34	-1.34	-2.54
32	19.14	-14.78	4.06	-0.44	-0.44	1.87	8.05	-1.64	0.36	-2.04
33	18.39	-11.78	3.97	-2.64	-1.13	6.71	7.14	-1.63	1.67	-1.53
34	12.09	-6.47	3.66	-4.33	-0.33	11.22	5.16	-1.63	3.78	-1.53
35	6.63	-11.08	2.17	-3.13	-0.33	13.23	2.97	-1.63	7.63	-1.53
36	2.77	-18.88	0.27	-2.63	0.07	14.93	1.17	-1.63	12.72	-1.53
37	21.17	-18.84	0.17	-0.73	0.07	16.07	-0.03	-1.63	13.98	-1.53
38	2.17	-17.03	0.52	-0.73	2.38	16.08	-1.92	-1.63	15.98	-1.53
39	-1.92	-14.56	2.53	3.48	2.98	16.05	-3.12	-1.63	14.18	-1.52
40	-3.52	9.83	4.89	5.02	3.08	15.48	-3.02	-1.63	14.18	-1.12
41	-3.85	7.43	4.11	6.89	3.09	15.56	-3.12	-1.63	14.18	0.28
42	-14.38	2.87	7.56	4.59	4.59	16.98	-3.12	-1.63	14.18	0.38
43	-22.59	2.82	5.66	5.19	5.19	16.77	-3.01	-1.61	14.15	1.39
44	-24.71	-8.48	2.78	5.29	5.29	14.81	-1.41	-0.31	13.28	1.59
45	-24.74	-12.96	4.41	0.11	5.09	13.19	-1.31	0.59	12.98	1.59
46	-25.36	-14.15	8.67	-3.82	4.49	10.50	-2.71	2.69	12.69	1.19
47	-27.73	-12.90	7.37	-6.55	3.29	6.84	-2.81	3.29	12.65	1.19
48	-25.39	-12.71	5.08	-9.11	0.20	1.59	-3.71	3.40	11.47	1.20
49	-25.42	-10.20	3.09	-8.31	-3.40	-3.40	-5.40	3.40	10.60	0.30
50	-21.84	-10.20	1.30	-9.60	-6.34	-2.30	-5.70	3.40	10.70	-0.70

STATION=KASHIMA-S
TOTAL NUMBER OF DATA= 3000

CORRECTION=ZERO, ARC
FORMAT NO.=331

SIGNAL=GR, ACC,
CORRECTION=ZERO, ARC
FORMAT NO.=331

COMPONENT=E-H
SAMPLING INTERVAL= 0.040 (SEC)

RECORD=S=647
DATE AND TIME=1971-10-11-19-16

RECORD=	COMPONENT=E+W	SIGNAL=GR.ACC.	CORRECTION=ZERO.ARC.	STATION=KASHIMA*MS						
DATE AND TIME=1974.10.11.19.16	SAMPLING INTERVAL= 0.010(SEC)	FORMAT NO.=301	TOTAL NUMBER OF DATA= 3000							
NO.	(1000)	(1050)	(1100)	(1150)	(1200)	(1250)	(1300)	(1350)	(1400)	(1450)
1	-1.00	10.80	21.10	5.68	9.55	2.90	3.50	7.00	6.49	-0.70
2	-0.50	10.80	15.21	-3.79	17.09	2.70	-5.20	6.69	4.80	0.50
3	0.31	10.44	11.30	-2.59	21.48	2.41	-5.49	5.70	3.20	1.41
4	0.81	7.58	17.54	-0.89	22.22	1.71	-4.99	4.80	2.20	1.81
5	3.11	5.19	1.71	0.31	21.98	1.41	-4.19	3.81	-0.89	1.71
6	5.32	1.81	2.99	1.81	19.07	1.01	-3.59	3.31	-1.29	-0.49
7	6.92	2.79	4.19	3.72	18.50	0.01	-2.88	2.91	-1.59	-1.39
8	7.72	2.71	4.89	5.42	16.99	-1.18	-0.78	2.72	-1.58	-2.39
9	8.12	9.50	6.50	6.52	15.06	-2.38	1.22	3.22	-1.28	-4.79
10	8.22	-10.42	8.02	6.91	13.86	-3.58	2.92	3.52	-1.48	-6.19
11	8.10	12.18	10.66	6.21	9.66	-4.48	3.62	3.92	-1.78	-7.68
12	6.22	12.19	14.15	5.12	6.41	-5.38	3.62	2.72	-2.08	-7.86
13	6.19	12.67	15.89	3.82	4.62	-6.08	3.63	2.42	-2.07	-6.87
14	1.93	12.57	18.01	1.75	3.51	-6.58	4.33	1.43	-1.37	-6.75
15	1.03	12.57	18.51	-1.07	-2.17	-7.08	4.63	0.13	-0.67	-4.46
16	1.03	12.57	17.55	3.48	-6.28	-7.57	4.83	4.127	1.03	-3.27
17	1.03	12.57	14.30	-6.68	-8.15	-7.66	4.93	2.57	1.13	-2.66
18	0.84	12.66	10.53	-8.01	-7.14	-7.46	4.73	6.09	1.04	-0.26
19	0.44	12.56	11.26	-11.50	-5.05	-7.06	4.13	9.86	0.74	0.94
20	0.44	12.54	-0.56	-12.79	-1.96	-6.77	2.94	9.85	0.64	4.14
21	0.44	11.82	0.24	-13.78	-0.26	-7.46	2.54	9.26	0.74	4.96
22	1.94	10.45	0.54	-14.23	0.25	-7.46	-0.66	9.15	0.84	8.35
23	2.85	10.17	0.55	-14.23	2.35	-7.55	-2.96	8.94	2.85	8.85
24	5.77	11.05	0.55	-13.63	2.65	-7.13	-3.66	8.33	3.15	8.95
25	8.88	11.05	0.95	-13.04	1.25	-5.44	-4.96	7.04	3.15	8.95
26	10.87	11.10	2.25	-12.65	1.65	-3.44	-6.56	6.45	3.45	8.94
27	11.43	12.80	3.56	-12.63	1.05	-1.84	-7.75	6.24	2.15	8.35
28	10.49	11.54	4.97	-12.22	0.76	4.26	-8.14	6.04	0.16	8.15
29	7.88	11.40	7.37	-11.62	0.76	5.67	-8.13	5.71	-0.24	7.85
30	2.35	9.79	8.68	-10.92	1.16	7.07	-7.53	4.24	-0.14	7.23
31	1.94	7.50	9.78	-10.31	1.36	7.86	-6.71	0.56	0.16	4.45
32	-3.14	4.61	10.57	-9.12	-0.24	7.86	-3.64	1.87	0.16	1.86
33	-4.34	0.37	10.87	-2.63	-1.23	7.78	-3.33	4.97	0.27	0.37
34	-6.62	0.83	10.87	-0.43	-2.83	8.77	-2.83	5.37	0.17	-1.13
35	-5.43	0.17	10.95	4.59	-3.74	9.17	-2.73	5.77	-0.53	-2.83
36	-5.03	2.17	10.23	9.58	-6.85	9.37	-3.63	5.87	-1.53	-3.23
37	-5.33	4.78	8.56	9.88	-8.74	9.48	-3.73	5.17	-1.63	-2.13
38	-5.51	5.49	7.56	9.92	-9.63	9.68	-3.82	4.77	-1.62	-1.22
39	-3.82	8.13	6.17	7.40	-9.89	9.79	-3.52	3.78	-1.72	-0.62
40	-3.92	11.58	5.37	1.08	-8.50	10.19	-1.52	2.98	-2.32	0.08
41	-4.21	15.26	4.38	-0.52	-7.47	10.68	0.18	2.78	-2.62	0.48
42	-1.91	20.82	3.38	-2.32	-7.47	10.46	1.48	1.48	-3.22	1.38
43	-0.41	24.22	2.18	-5.83	-2.91	9.56	2.59	0.89	-3.52	2.29
44	1.99	25.31	0.89	-8.02	-1.91	8.07	2.69	0.69	-4.52	2.79
45	3.59	26.09	0.29	-8.30	-0.31	6.98	2.69	0.69	-5.41	3.59
46	4.29	26.02	0.51	-7.80	2.19	6.37	2.79	1.39	-5.41	3.59
47	4.59	25.52	4.71	-7.15	3.50	3.89	3.20	3.50	-2.99	2.99
48	4.60	25.00	3.61	-2.00	4.00	1.99	4.31	4.40	-4.30	2.60
49	4.60	24.24	5.31	-0.40	4.00	0.60	6.60	5.90	-2.50	2.40
50	6.04	22.94	5.90	8.12	3.20	-1.60	7.00	6.70	-1.70	2.50

RECORD=S-647 COMPONENT=E+H SIGNAL=GR+ACC. CORRECTION=ZERO,ARC STATION=KASHIMA=S
 DATE AND TIME=1971-10-11-19-16 SAMPLING INTERVAL=0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

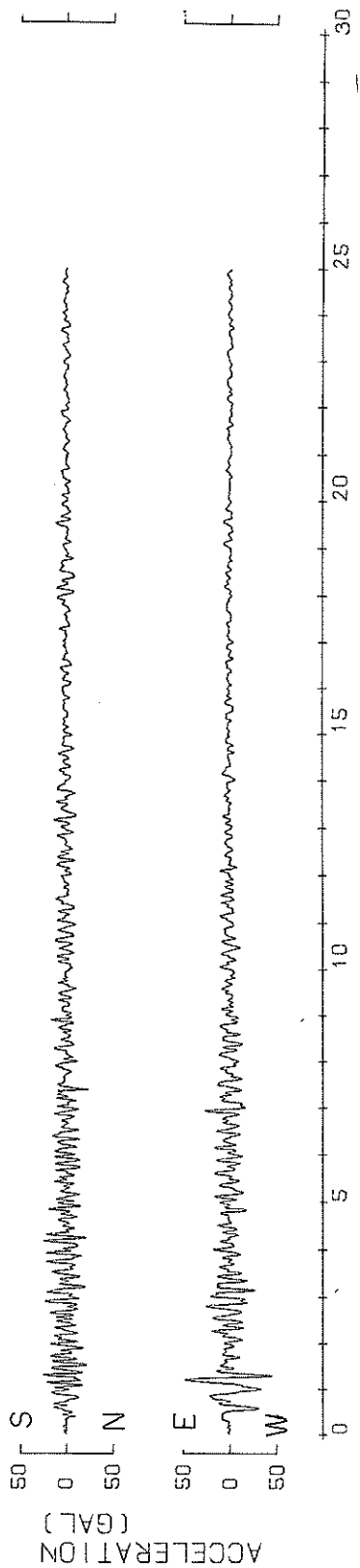
NO.	(1500)	(1550)	(1600)	(1650)	(1700)	(1750)	(1800)	(1850)	(1900)	(1950)
1	2.10	-13.28	7.91	0.60	3.00	5.10	0.30	-7.16	1.70	-5.90
2	2.60	-12.78	8.21	1.20	3.61	4.10	0.10	-3.79	2.51	-5.79
3	2.61	-12.17	8.70	1.21	4.51	3.30	-0.09	-2.59	3.81	-5.19
4	2.61	-11.56	8.30	0.51	5.01	2.21	-0.09	-1.59	6.13	-4.99
5	2.61	-10.26	7.59	-0.49	5.42	1.01	0.01	-0.59	8.72	-4.38
6	2.61	-6.76	5.70	-1.29	6.52	-0.29	0.21	0.11	9.63	-2.99
7	2.41	-6.92	4.01	-1.29	7.32	-1.89	0.51	0.61	10.44	-2.78
8	2.02	-0.88	1.92	-0.58	7.52	-2.99	0.62	0.82	11.72	-1.78
9	1.82	6.13	0.92	-0.08	7.51	-4.79	0.62	0.92	12.06	-0.48
10	1.52	7.13	0.52	0.62	7.51	-5.89	0.62	1.02	13.54	-0.18
11	1.22	7.43	0.22	0.92	6.51	-7.19	0.72	1.22	14.10	0.18
12	1.22	7.94	0.48	0.92	5.62	-7.98	1.22	1.42	15.89	0.18
13	1.23	8.86	-0.97	1.23	4.52	-8.49	1.63	1.63	17.09	-0.27
14	1.23	10.65	-1.17	1.23	3.83	-9.48	2.13	1.63	18.15	-1.07
15	1.23	11.64	-1.57	1.23	2.83	-9.97	2.63	1.63	18.54	-1.77
16	1.33	12.09	-1.77	0.93	2.43	-10.17	3.03	2.03	18.55	-2.07
17	1.33	10.59	-1.77	0.93	2.03	-10.18	3.23	1.53	17.58	-2.36
18	1.24	8.62	-1.76	-0.66	1.44	-10.66	3.64	0.84	16.49	-2.36
19	1.72	7.72	-1.76	-1.36	1.54	-10.45	3.94	0.24	15.68	-2.36
20	0.14	5.93	-1.86	-1.96	1.94	-10.15	4.24	0.76	14.45	-2.36
21	0.04	4.44	-2.36	-1.96	2.44	-9.54	4.44	0.36	10.37	-2.36
22	0.24	4.14	-3.06	-1.76	2.44	-8.64	4.55	-0.56	7.51	-1.29
23	0.65	3.75	-4.16	-1.35	1.95	-7.61	4.95	-0.56	4.54	-1.05
24	1.75	4.25	-5.26	-0.85	1.45	-4.25	5.25	-0.86	1.75	-1.05
25	2.65	5.05	-6.46	-0.45	1.15	-3.85	5.55	-0.35	0.85	-0.55
26	3.55	5.25	-7.15	-0.15	0.85	-2.85	5.65	-0.85	-0.85	-0.45
27	3.95	5.46	-7.45	-0.05	-1.05	-1.45	5.96	-0.24	-2.75	-0.25
28	4.15	6.36	-7.64	-0.14	-2.75	-0.44	6.16	-0.14	-6.16	-0.04
29	3.86	6.76	-7.13	-0.14	-4.14	0.96	6.16	-0.14	-8.15	0.16
30	3.66	6.85	-6.03	0.06	-4.74	2.16	6.15	-0.53	-8.66	0.14
31	3.46	5.96	-4.93	0.36	-5.04	2.96	5.46	-0.93	-9.87	0.44
32	2.86	5.26	-3.93	0.36	-4.73	2.66	4.66	-1.43	-11.56	0.44
33	2.26	4.47	-2.93	0.37	-4.33	3.27	3.86	-1.43	-12.46	0.14
34	0.67	4.37	-1.23	0.27	-4.03	3.47	2.86	-0.82	-13.16	0.14
35	-1.83	4.27	0.07	0.07	-3.93	3.27	2.86	-0.82	-13.97	1.17
36	-4.04	4.27	0.57	-0.03	-3.73	3.07	0.33	-0.23	-14.93	1.97
37	-7.04	4.08	1.67	-0.33	-3.43	3.07	0.93	0.77	-15.05	2.47
38	-8.34	4.58	1.98	-0.42	-3.22	2.58	1.32	1.78	-15.65	3.08
39	-9.55	5.08	1.28	-0.62	-1.72	2.58	1.62	1.78	-16.10	3.58
40	-10.75	5.27	0.18	-0.82	-0.72	2.58	1.62	1.98	-15.68	3.48
41	-11.95	4.88	-0.12	-1.22	0.48	2.58	1.78	1.78	-14.88	3.38
42	-12.40	4.28	0.92	-1.22	3.38	2.58	1.48	1.48	-14.18	3.28
43	-14.83	3.59	-1.71	-0.91	3.69	2.59	0.89	0.89	-13.59	3.29
44	-15.30	3.49	-2.01	-0.41	5.79	2.69	0.69	0.69	-12.73	3.29
45	-16.94	3.89	-3.51	0.29	5.90	2.89	0.69	0.69	-12.73	3.29
46	-17.41	2.89	-2.81	0.89	5.90	2.89	0.69	0.69	-10.47	3.09
47	-17.35	3.40	-2.31	1.69	6.00	3.19	0.99	0.99	-8.89	3.79
48	-16.56	4.50	-1.70	2.40	7.00	3.19	1.31	1.31	-8.00	4.60
49	-15.83	5.71	-0.90	2.40	6.59	2.69	1.59	1.59	-7.70	5.20
50	-14.54	7.01	-0.70	2.70	5.99	1.20	1.80	1.80	-7.09	5.60
									-6.40	6.30

NO.	(2000)	(2050)	(2100)	(2150)	(2200)	(2250)	(2300)	(2350)	(2400)	(2450)
1	6.80	*1.50	*5.19	*2.60	5.120	0.00	*2.00	3.29	1.70	2.90
2	6.91	*1.60	*5.51	*3.30	5.51	0.30	*1.50	3.61	1.70	2.70
3	7.01	*2.09	*3.79	*4.10	5.71	0.81	*1.19	4.01	1.71	2.30
4	7.01	*2.49	*4.79	*5.19	6.11	1.11	*0.49	4.31	1.81	1.01
5	7.01	*2.89	*5.19	*5.69	6.11	1.41	0.11	4.31	2.01	-0.19
6	7.01	*3.59	*5.69	*5.81	5.81	1.91	0.61	3.61	2.01	-0.79
7	7.01	*3.89	*5.31	*5.31	5.31	2.31	1.21	3.41	2.01	-1.69
8	7.02	*4.39	*5.98	*5.98	4.81	2.42	1.82	3.22	1.72	-2.18
9	7.02	*5.18	*6.08	*6.08	4.12	2.42	3.22	3.12	1.62	-2.48
10	7.01	*5.28	*5.98	*5.98	3.42	2.52	3.02	3.02	1.62	-2.88
11	5.32	*4.97	*4.58	*4.58	3.12	2.42	4.42	3.02	1.72	-2.88
12	5.32	*4.37	*4.88	*5.07	2.42	2.22	4.73	3.02	1.72	-2.97
13	4.92	*3.57	*5.88	*4.27	1.93	2.13	5.03	3.03	1.93	-2.07
14	4.22	*3.07	*6.17	*3.97	0.73	2.03	5.33	3.03	1.03	-1.87
15	3.43	*2.17	*5.97	*3.47	0.43	2.03	5.43	3.13	0.53	-1.47
16	1.83	*1.47	*5.57	*3.07	0.43	2.03	5.33	3.43	0.23	-1.07
17	1.23	*1.27	*5.16	*2.26	0.13	1.93	5.13	3.73	-0.57	-0.27
18	1.04	*0.56	*4.66	*1.06	-0.16	1.74	4.93	4.03	-1.86	0.64
19	1.04	*0.06	*4.56	*0.86	-0.36	1.44	4.34	3.34	-2.66	1.34
20	0.64	1.04	*4.06	*0.86	-0.66	0.94	4.04	2.74	-3.16	1.74
21	*0.26	1.84	*3.35	*1.26	0.56	0.44	3.54	2.04	-3.16	2.34
22	*1.06	3.34	*1.96	*1.26	0.34	0.04	2.94	1.34	-3.36	2.54
23	*1.35	3.65	*1.35	*1.35	0.85	-0.05	2.15	0.25	-3.86	2.85
24	*1.75	4.25	*1.35	*1.35	1.45	-0.45	1.65	0.25	-4.25	2.95
25	*2.25	4.85	*2.05	*1.75	2.35	-0.85	1.55	0.85	-5.95	3.15
26	*2.95	5.35	*1.55	*1.95	2.85	-1.05	1.25	0.85	-6.75	3.15
27	*3.75	5.76	0.85	*2.05	3.76	-1.25	0.35	0.85	-8.15	2.65
28	*4.35	5.96	0.86	*2.14	4.36	-1.44	-0.05	0.84	-9.14	2.26
29	*4.84	5.96	2.06	*2.24	4.46	-1.64	3.94	1.24	-10.14	1.96
30	*5.14	5.96	2.86	*2.84	4.46	-2.14	4.34	1.74	-11.74	1.16
31	*5.34	5.76	4.07	*3.34	4.36	-3.14	4.64	2.74	-12.14	0.66
32	*5.44	5.76	5.47	*4.14	3.66	-3.64	4.73	3.44	-13.44	0.16
33	*5.33	5.76	6.48	*6.14	2.96	-4.34	4.03	4.54	-14.03	-0.53
34	*5.33	5.37	7.87	*6.83	2.07	-4.73	3.83	5.23	-15.73	-1.13
35	*5.33	5.27	8.18	*7.13	1.27	-4.93	3.53	5.53	-17.13	-2.03
36	*5.13	4.57	8.88	*7.53	0.27	-5.33	3.13	6.03	-18.53	-2.33
37	*4.83	4.17	9.27	*7.32	-0.73	-5.73	2.33	6.13	-19.93	-2.53
38	*4.62	4.38	9.28	*7.01	-1.32	-5.92	1.12	6.52	-21.32	-2.52
39	*4.82	4.48	9.37	*6.11	-2.32	-5.42	0.32	6.92	-22.72	-2.22
40	*4.02	4.88	9.87	*6.32	-2.12	-5.42	0.62	7.32	-24.12	-1.72
41	*3.72	4.48	8.07	*5.31	-2.82	-4.92	1.72	7.72	-25.52	-1.52
42	*3.42	3.78	7.27	*4.02	-3.12	-4.42	3.02	8.12	-26.92	-1.12
43	*3.01	2.98	6.18	*3.41	-3.31	-3.92	4.32	8.52	-28.32	-0.72
44	*2.51	1.99	5.08	*2.81	-3.41	-3.42	5.62	8.92	-29.72	-0.32
45	*2.01	0.19	3.59	*2.01	-2.81	-2.81	6.92	9.32	-31.12	0.12
46	*1.91	1.41	2.29	*1.81	-2.81	-2.81	8.22	9.72	-32.52	0.52
47	*1.91	1.19	1.19	*1.81	-1.81	-1.81	9.12	10.12	-33.92	0.92
48	*1.60	0.40	0.40	*1.20	-1.20	-1.20	10.02	10.52	-35.32	1.32
49	*1.40	0.40	0.40	*1.10	-0.80	-0.80	10.92	10.92	-36.72	1.72
50	*1.40	0.40	0.40	*1.10	-0.80	-0.80	11.82	11.32	-38.12	2.12

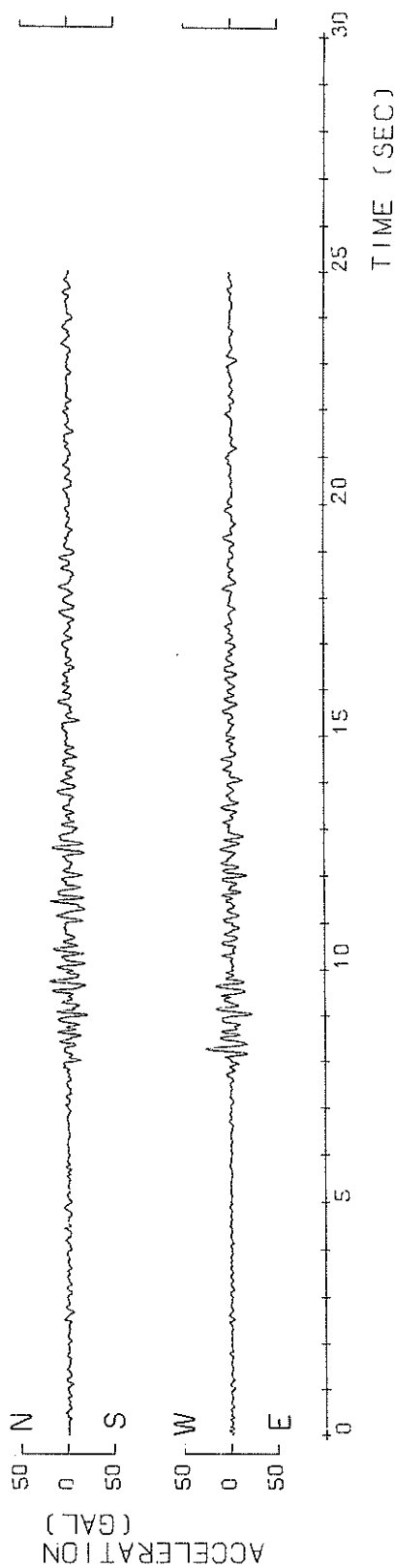
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 DATE AND TIME=1971-10-11-19-16 SAMPLING INTERVAL= 0.010(SEC) FORMAT NO.=301 TOTAL NUMBER OF DATA= 3000

NO.	(2500)	(2550)	(2600)	(2650)	(2700)	(2750)	(2800)	(2850)	(2900)	(2950)
1	-4.40	-4.30	-0.90	0.30	4.90	-0.70	1.60	1.40	-0.30	-0.40
2	-4.80	-4.70	-0.20	0.90	4.90	-0.70	1.90	1.10	-0.30	-0.40
3	-5.19	-4.89	0.21	1.51	4.91	-0.69	2.41	0.99	-0.29	-0.19
4	-5.29	-4.69	0.21	1.51	4.91	-0.69	3.21	0.49	-0.29	-0.09
5	-5.39	-4.49	0.81	1.51	4.91	-0.79	3.21	0.11	0.41	0.51
6	-5.39	-4.48	1.11	1.51	4.91	-0.99	3.31	0.91	1.01	0.71
7	-5.39	-2.69	1.11	1.51	4.91	-1.69	3.21	0.91	1.11	0.71
8	-5.38	-2.28	1.12	0.72	4.92	-1.78	3.32	0.92	1.12	0.72
9	-5.38	-2.08	1.12	0.72	4.91	-2.28	2.92	1.12	1.12	0.72
10	-5.38	-2.08	1.12	0.32	4.22	-2.48	2.72	1.02	1.12	0.32
11	-5.18	-2.08	1.12	0.32	3.02	-2.58	2.72	1.02	1.12	0.32
12	-4.77	-0.88	1.12	0.32	2.72	-2.88	2.22	1.12	1.12	0.32
13	-3.97	0.63	1.13	0.33	2.73	-3.07	2.22	1.13	1.13	0.33
14	-3.17	0.83	1.13	0.33	2.73	-3.07	2.22	1.13	1.13	0.33
15	-2.67	0.83	1.13	0.33	2.53	-3.67	1.03	0.87	1.13	0.43
16	-2.17	1.93	1.13	0.33	2.03	-3.97	0.37	1.37	1.03	0.53
17	-1.77	2.03	1.13	0.33	2.03	-3.97	0.37	1.37	0.83	0.33
18	-1.36	2.14	1.14	0.34	2.04	-3.96	0.46	1.36	0.84	0.34
19	-0.26	3.14	1.14	0.34	2.04	-3.96	0.46	1.36	0.84	0.34
20	0.54	3.44	1.14	0.34	2.04	-3.86	1.06	1.96	0.74	0.34
21	1.84	3.44	1.14	0.34	2.04	-2.86	1.06	1.96	0.44	0.34
22	3.34	3.44	1.14	0.34	2.04	-2.55	1.06	1.96	0.44	1.76
23	3.65	3.45	1.15	0.35	-0.75	-1.75	1.15	1.95	0.45	-2.45
24	4.85	3.45	1.15	0.35	-1.35	-1.25	1.15	2.05	0.45	-2.45
25	6.15	2.45	1.25	0.35	-2.65	-1.15	1.15	1.95	0.45	-2.45
26	6.56	2.45	1.25	0.35	-2.95	-0.85	1.15	2.05	0.65	-2.45
27	7.16	2.45	1.15	0.35	-3.15	-0.15	1.05	1.95	1.35	-2.45
28	7.66	2.46	-0.14	0.36	-3.14	-0.04	1.05	1.94	1.36	-2.44
29	7.75	2.46	-0.14	0.36	-3.14	-0.04	1.05	1.94	1.56	-2.44
30	7.45	2.46	-1.74	0.04	-3.14	0.46	0.54	1.94	2.06	-2.44
31	6.86	2.16	-1.84	-1.04	-3.14	1.26	0.34	1.94	2.06	-2.44
32	6.16	0.76	-2.74	-1.04	-3.14	1.86	0.34	1.94	2.06	-2.44
33	5.36	0.77	-3.13	-1.03	-3.13	2.37	0.33	1.93	2.17	-2.43
34	4.96	0.67	-3.43	-1.03	-3.13	2.87	-0.03	1.93	2.17	-2.43
35	4.17	-0.73	-4.43	-1.03	-3.13	3.17	0.17	1.93	2.17	-2.43
36	3.97	-1.83	-4.53	-1.03	-3.13	3.17	0.17	1.93	2.17	-2.43
37	3.07	-1.83	-4.53	-0.83	-2.73	3.17	0.17	1.93	1.87	-0.73
38	2.38	-1.82	-4.52	-0.82	-2.72	3.18	0.22	1.92	1.28	-0.22
39	1.58	-2.32	-4.42	-0.82	-2.22	3.18	0.62	1.62	1.28	-0.22
40	0.88	-2.32	-4.52	-0.82	-1.72	3.18	-1.52	1.12	0.68	-0.82
41	0.48	-2.32	-4.42	-0.82	-0.52	3.08	-1.52	0.52	0.68	-0.82
42	-0.12	-2.32	-4.12	0.88	-0.52	2.58	-1.92	0.02	0.68	-0.82
43	-0.71	-2.32	-3.91	0.99	-0.51	2.09	-2.01	0.02	0.28	-0.22
44	-1.21	-3.31	-3.11	1.59	0.09	1.49	-2.11	0.09	-0.41	-0.21
45	-1.61	-3.31	-2.91	2.29	0.29	1.49	-2.41	0.09	-0.41	-0.21
46	-1.91	-3.31	-2.91	3.19	1.49	1.49	-2.41	0.09	-0.41	-0.21
47	-2.51	-2.21	-2.61	3.40	0.19	1.49	-2.41	0.09	-0.41	-0.21
48	-3.40	-2.10	-2.00	4.90	0.20	1.40	-2.40	0.30	-0.40	-0.20
49	-3.50	-1.60	-1.10	4.90	0.20	1.40	-2.30	0.30	-0.40	-0.20
50	-3.80	-1.70	-0.30	4.90	0.20	1.40	-2.10	0.30	-0.40	-0.20

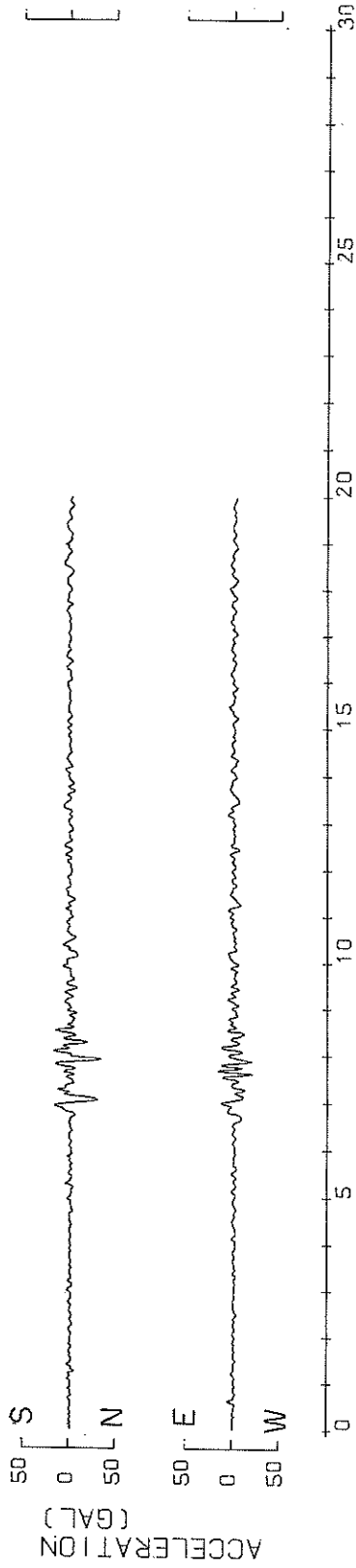
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S-598 ONAHAMA-S 1971-01-06-15-04

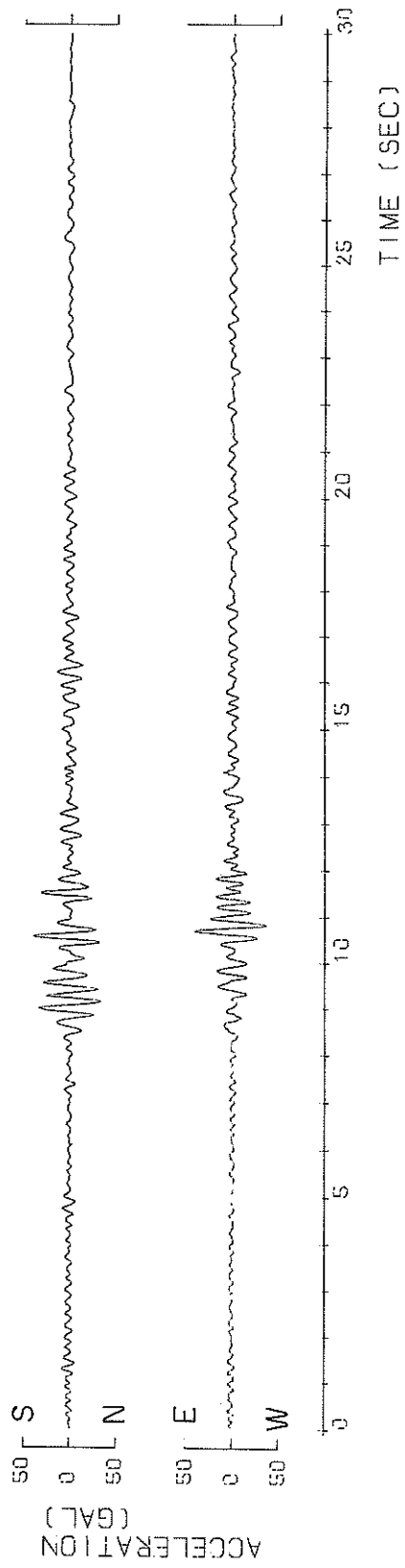


S-597 Y. CHITOSE-S 1971-03-22-07-18

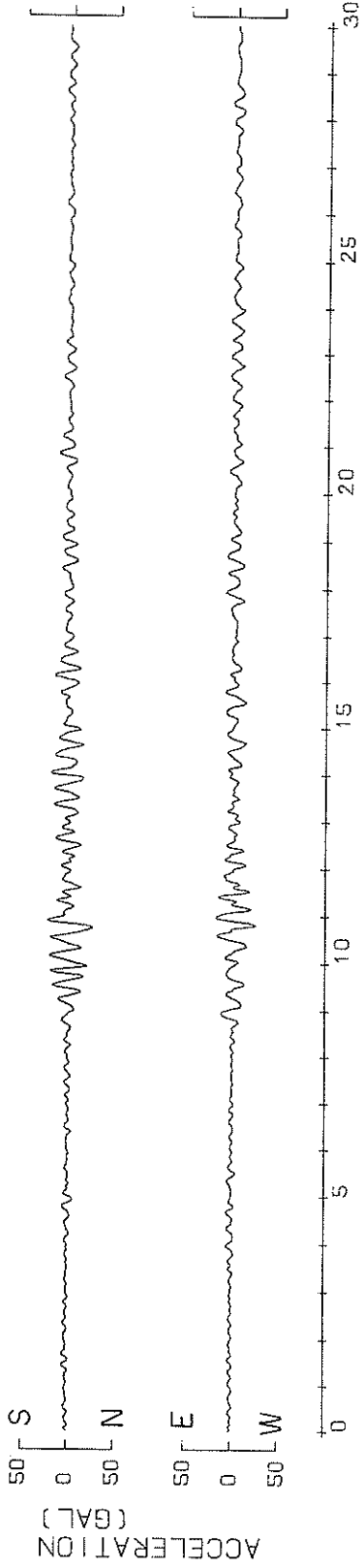


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S-620 YAMASHITA-HEN-S 1971-07-23-07-07

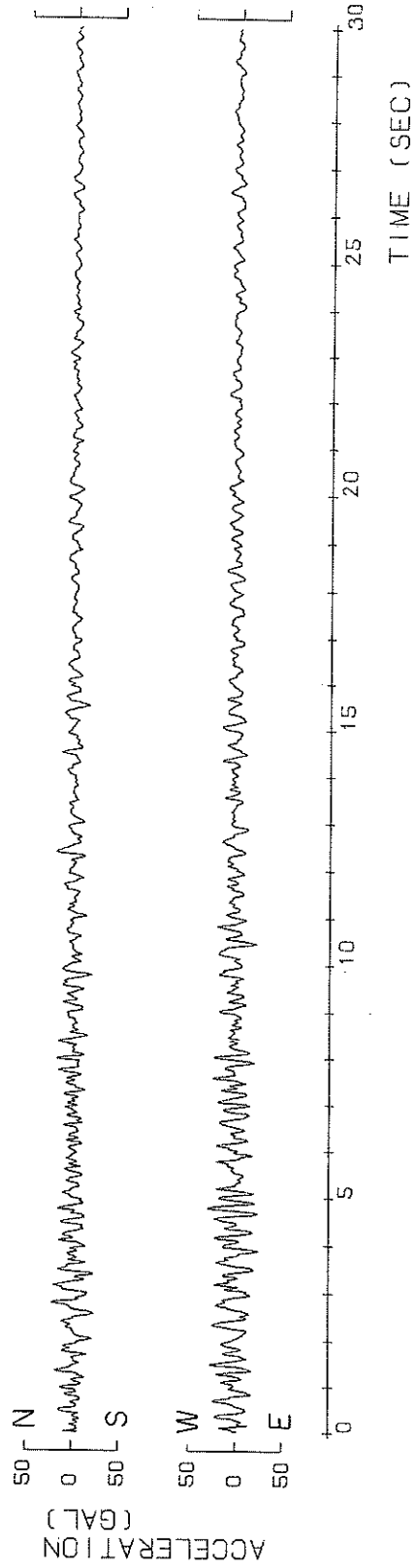


S-621 KEIHIN-JI-S 1971-07-23-07-07

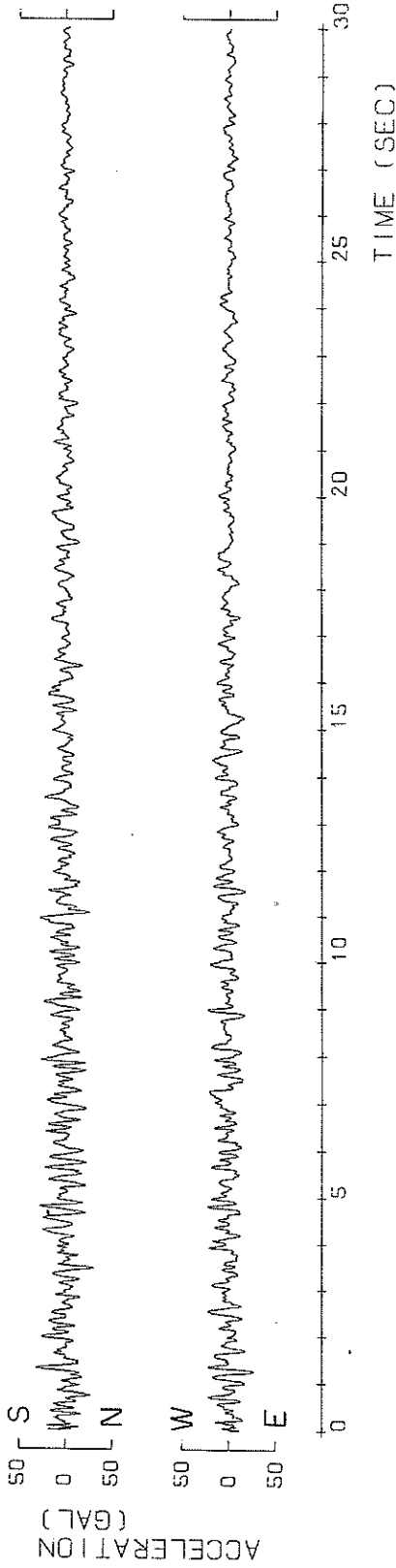


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S-627 MURORAN-S 1971-08-02-16-25



S-629 HACHINOHE-S 1971-08-02-16-25



S-633 TOMAKOMA I-S 1971-08-02-16-25

